



Remedial Investigation Report
Soil Cover Evaluation
Northgate Park – NONCD0000825
Durham, Durham County, North Carolina
Task Order 825DP-2
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:

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

March 6, 2024



March 6, 2024

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

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

Reference: **Remedial Investigation Report – Soil Cover Evaluation**
Northgate Park – 300 West Club Blvd. & 404 West Lavender Avenue
Durham, Durham County, North Carolina
NCDEQ ID No. NONCD0000825
NCDEQ Task Order 825DP-2
S&ME Project No. 23050630

Dear Mr. Kelt:

S&ME, Inc. (S&ME) is submitting this report to NCDEQ summarizing the results of the soil cover evaluation phase remedial investigation activities conducted at the above-referenced site in Durham, North Carolina. S&ME completed this investigation in general conformance with S&ME Proposals No. 23050630J, dated November 17, 2023, for Task Order 825DP-2 and under the terms of Contract Number N42621-B, dated January 4, 2022, between NCDEQ and S&ME. The attached report includes the results of the following tasks:

- Soil Cover Thickness Evaluation
- Soil Cover Sampling

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.

Handwritten signature of Chelsea A. Parra in black ink.

Chelsea A. Parra, G.I.T.
Environmental Staff Professional
chelseaparra@smeinc.com

Handwritten signature of Gerald Paul in black ink.

Gerald Paul
Senior Project Manager
jpaul@smeinc.com

Senior Reviewed by: Thomas P. Raymond, P.E., P.M.P.

Attachment: *Remedial Investigation Report – Soil Cover Evaluation*



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1.0 Summary of Current Investigation

S&ME completed the scope of services listed below for this investigation in general conformance with S&ME Proposal No. 23050630J, dated November 17, 2023, for Task Order 825DP-2:

- Evaluated thickness of soil cover via soil borings;
- Collected soil cover samples for laboratory analysis; and,
- 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 Soil Cover Assessment

2.1 Soil Cover Thickness Evaluation

To assess the soil cover thickness across the investigation area, S&ME field representatives installed approximately 556 soil borings on an approximate 100-foot sample grid (100' x 100', ~10,000 square foot areas). 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 25' in four directions (N, S, E, and W) to collect composite samples for all other analysis listed below (Section 2.3). At locations where obstructions (buildings, vehicles, dense vegetation or concrete pads) were encountered, the boring was off set to collect a representative composite sample.

In some coverage areas the sample grids were less than 100' x 100' 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 December 28, 2023 and from January 4, 2024 to January 12, 2024, S&ME advanced 138 composite soil cover borings (825-SB-01 through 825-SB-138). A total of 556 individual soil borings were installed across the investigation area. The composite soil cover boring locations are shown on **Figure 1**. Soil cover borings were installed using a stainless-steel six-inch electric auger, which was decontaminated with liquinox and deionized water between each use. Borings were installed to approximately one foot below ground surface (bgs) or until waste was encountered, whichever occurred first. Coordinates of the soil cover borings are included in **Appendix I**. Depth of waste and soil classifications for the 138 sample grid borings are located in the boring logs in **Appendix II**.



2.2 Soil Cover Thickness Results

In general, soil cover across the waste disposal areas (WDAs) range in thickness from approximately one inch to greater than twelve inches. Shallow waste was encountered in 21 soil composite grids at depths ranging from one inch to twelve inches bgs. Waste was not encountered in 117 soil composite grids up to the boring termination depth of 12 inches bgs. The soil cover material mostly consists of brown sandy clay and clayey sand. Boring logs for all 138 composite grids can be found in **Appendix II** and soil cover thickness results are shown on **Figure 2**.

2.3 Soil Cover Sampling

At each boring location, a 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 138 composite soil cover samples (plus one QC duplicate sample for the site and trip blanks 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 were analyzed for VOCs by EPA Method 8260D, semi volatile organic compounds by EPA Method 8270E, 18 metals (Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Nickel, Selenium, Silver, Thallium, Vanadium and Zinc) by EPA Method 6020, mercury by EPA Method 7471 and Hexavalent Chromium by EPA Method 7199.

Additionally, five samples (approximately 4% of analyzed samples) with the highest reported lead concentrations (825-SB-69, 825-SB-75, 825-SB-84, 825-SB-92, and 825-SB-138) were analyzed for synthetic precipitation leaching procedure (SPLP) for lead only and toxicity characteristic leaching procedure (TCLP) for lead only, for comparison of leachable lead to the NCAC 2L Groundwater Standard, and the potential of future soil disposal.

2.4 Soil Sampling Results

Field Screened VOCs were measured from 0.0 parts per million (ppm) to 47.8 ppm in the collected samples across the investigation area.

A summary of the laboratory results is included as **Table 1**. TCLP and SPLP laboratory results are included as **Table 2**. The laboratory reports and chain of custody forms are included in **Appendix III**.

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 5 of the 138 composite samples that were submitted for laboratory analysis. Areas of the site reported to exceed the USEPA health-based screening level for lead are presented on **Figure 3**.

The TCLP results for the samples with the highest reported total lead concentrations were reported below the Maximum Concentration of Contaminants for Toxicity Characteristic levels, indicating that the lead concentrations are present at these locations at non-hazardous waste levels. The SPLP results for the



samples with the highest reported total lead concentrations exceed the NCAC 2L Standard, indicating the ability of lead to potentially leach into the groundwater.

Additionally, S&ME reviewed XRF (X-ray fluorescence) screening data and laboratory analytical data from investigations conducted by Mid-Atlantic Associates Inc. (Mid-Atlantic) in July 2023. These data were utilized to create **Figures 4A, 4B, and 4C** to represent possible lead contamination at Northgate Park. **Figure 4C** combines the data from the referenced sampling events to present all the exceedances of the USEPA health-based screening level of 200 mg/kg for lead. **Figure 5** combines the historical exceedances of the USEPA health-based screening level of 200 mg/kg for lead and the sample grids that were shown to have an insufficient soil cover thickness per the NCDEQ Pre-Regulatory Landfill Guidelines.

A summary of the laboratory results is included as **Table 1**. The laboratory reports and chain of custody forms are included in **Appendix IV**.

2.5 Risk Calculator

NCDEQ's Risk Calculator was used to evaluate environmental exposure risks of multiple contaminants and exposure pathways associated with the Landfill Cover Soil Samples. S&ME used the February 2024 version of NCDEQ's Risk Calculator, downloaded from the NCDEQ website.

The highest concentration of each constituent for VOCs and lead was input into the NCDEQ Risk Calculator. The risk calculator uses the analytical results and generates a Carcinogenic Risk and Hazard Index value. The outputs from the Risk Calculator provided the following:

- The Carcinogenic Risk was not exceeded for resident, non-residential worker, construction worker, and recreator/trespasser receptors.

Currently there is no USEPA reference dose or cancer potency factor to quantify risks associated with exposures to lead. Exposure risks to lead are characterized based on predicted blood lead levels. The USEPA's health-based screening levels for lead in soil are as follows:

- Lead Compounds, residential soil exposure: The screening value for direct residential contact is 200 mg/kg. Reported laboratory concentrations of lead exceeding the USEPA health-based screening levels were reported in 5 of the 138 sample grids (S&ME 2023 Data only). Historically reported concentrations of lead at concentrations greater than the USEPA health-based screening levels were reported in 10 of the 138 sample grids (S&ME – 2023 and Mid-Atlantic – 2023).

The Risk Calculator Summary Outputs are in **Appendix IV**.

3.0 Quality Control

Quality control samples were collected and analyzed as follows:

Soil Sample Duplicates



Remedial Investigation Report – Soil Cover Evaluation
Northgate Park - 300 West Club Blvd. & 404 West Lavender Avenue

Durham, Durham County, North Carolina

NCDEQ ID No. NONCD0000825

Task Orders 825DP-2

S&ME Project No. 23050630

- One duplicate sample was collected during sampling. The duplicate sample was taken at 825-SB-65 and analyzed for the same parameters as the record sample. Analytical results of the duplicate samples agreed well with the record samples.

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.

4.0 Sole Use Statement

This report is solely intended for use by NCDEQ for the services that were performed in accordance with S&ME Proposal No. 23050630J, dated November 17, 2023, for Task Order 825DP-2 as authorized by NCDEQ.



5.0 Certification Acknowledgement

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

Gerald Paul / S&ME, Inc.

Name of Environmental Consultant / Company

G Paul

March 6, 2024

Signature of Environmental Consultant

Date

I, Gail L. Kluever, 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 Personally Known was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 6th day of March, 2024.

Gail L. Kluever

(OFFICIAL SEAL)

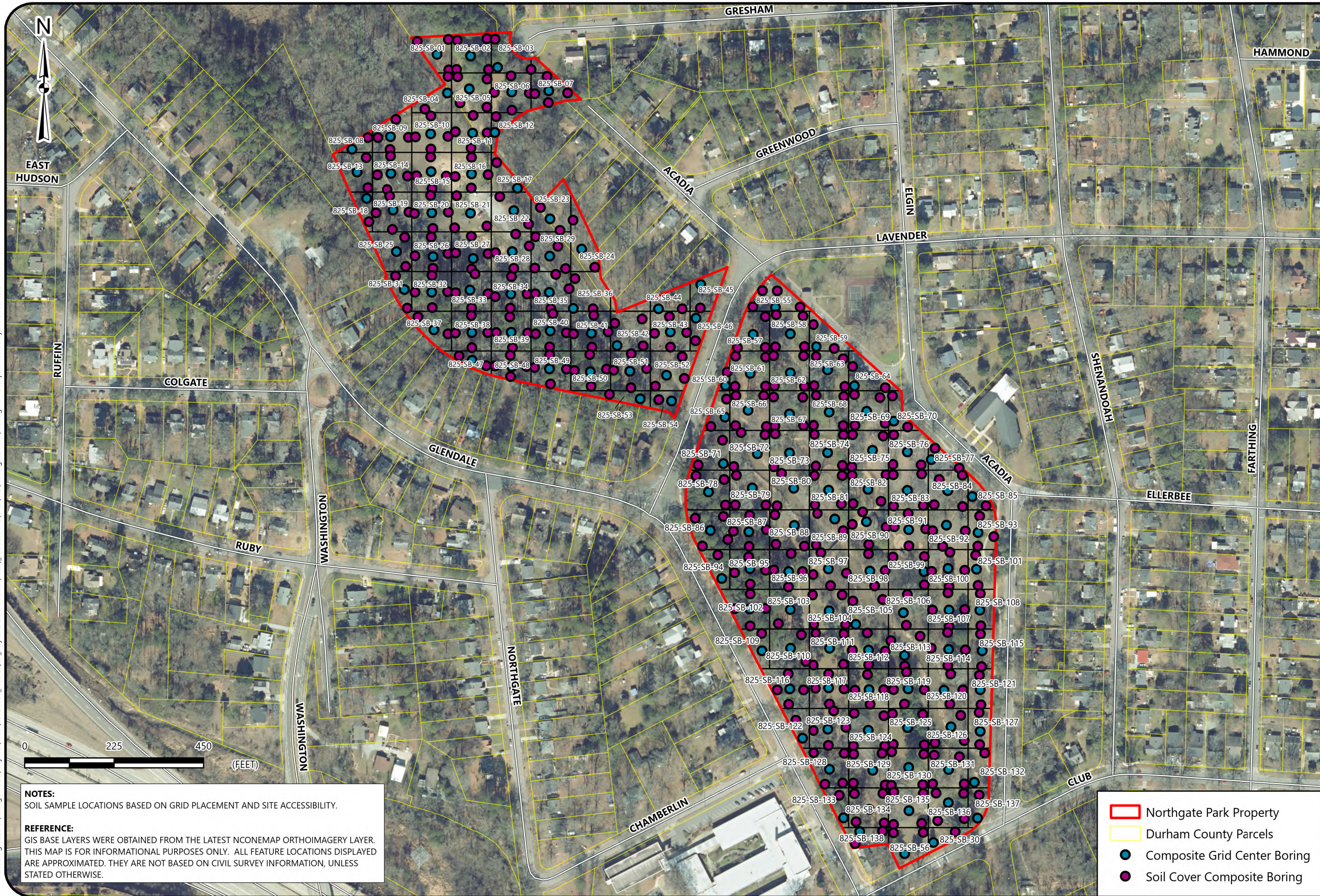
Notary Public (signature)

My commission expires: 7/26/2026



Figures

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LE City of Durham Parks (PRF)_Durham NC\ENVI\GIS\Northgate Park.aprx Plotted by: ChelseaParra



NOTES:
SOIL SAMPLE LOCATIONS BASED ON GRID PLACEMENT AND SITE ACCESSIBILITY.

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 Park Property
- Durham County Parcels
- Composite Grid Center Boring
- Soil Cover Composite Boring

SITE MAP WITH SOIL COVER BORING LOCATIONS



NORTHGATE PARK
 NCDEQ ID NO. NONCD000825, TASK ORDER 825DP-2
 300 W. CLUB BOULEVARD & 404 W. LAVENDER AVENUE
 DURHAM, NORTH CAROLINA

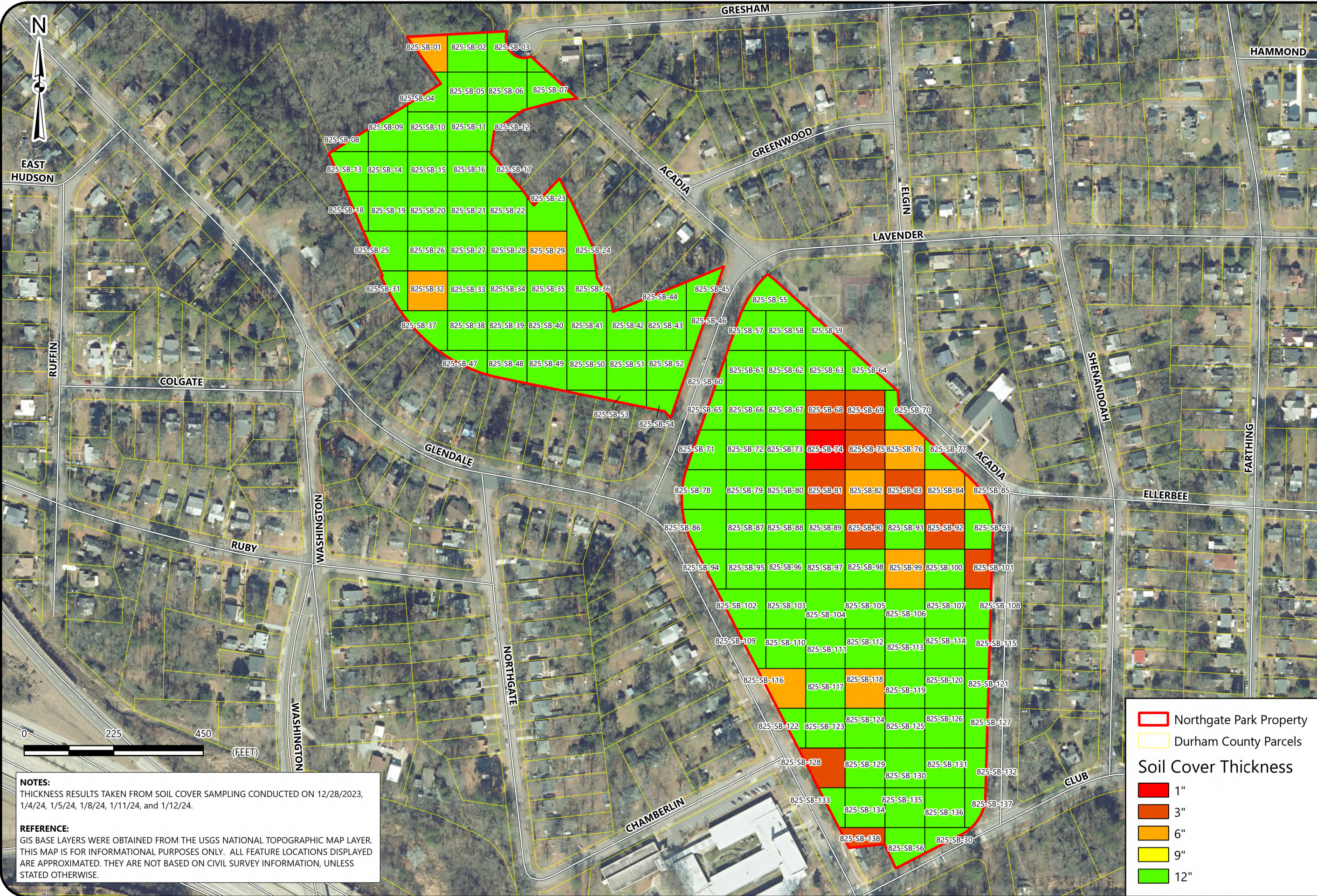
SCALE:
1 in = 225 ft

DATE:
2/29/2024

PROJECT NUMBER
23050630

FIGURE NO.

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRF)_Durham NC\EN\GIS\Northgate Park.aprx Plotted by: ChelseaParra



NOTES:
THICKNESS RESULTS TAKEN FROM SOIL COVER SAMPLING CONDUCTED ON 12/28/2023, 1/4/24, 1/5/24, 1/8/24, 1/11/24, and 1/12/24.

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE USGS NATIONAL TOPOGRAPHIC MAP 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 Park Property
 Durham County Parcels
Soil Cover Thickness
 1"
 3"
 6"
 9"
 12"

SOIL COVER THICKNESS RESULTS - S&ME DATA



NORTHGATE PARK
 NCDEQ ID NO. NONCD000825, TASK ORDER 825DP-2
 300 W. CLUB BOULEVARD & 404 W. LAVENDER AVENUE
 DURHAM, NORTH CAROLINA

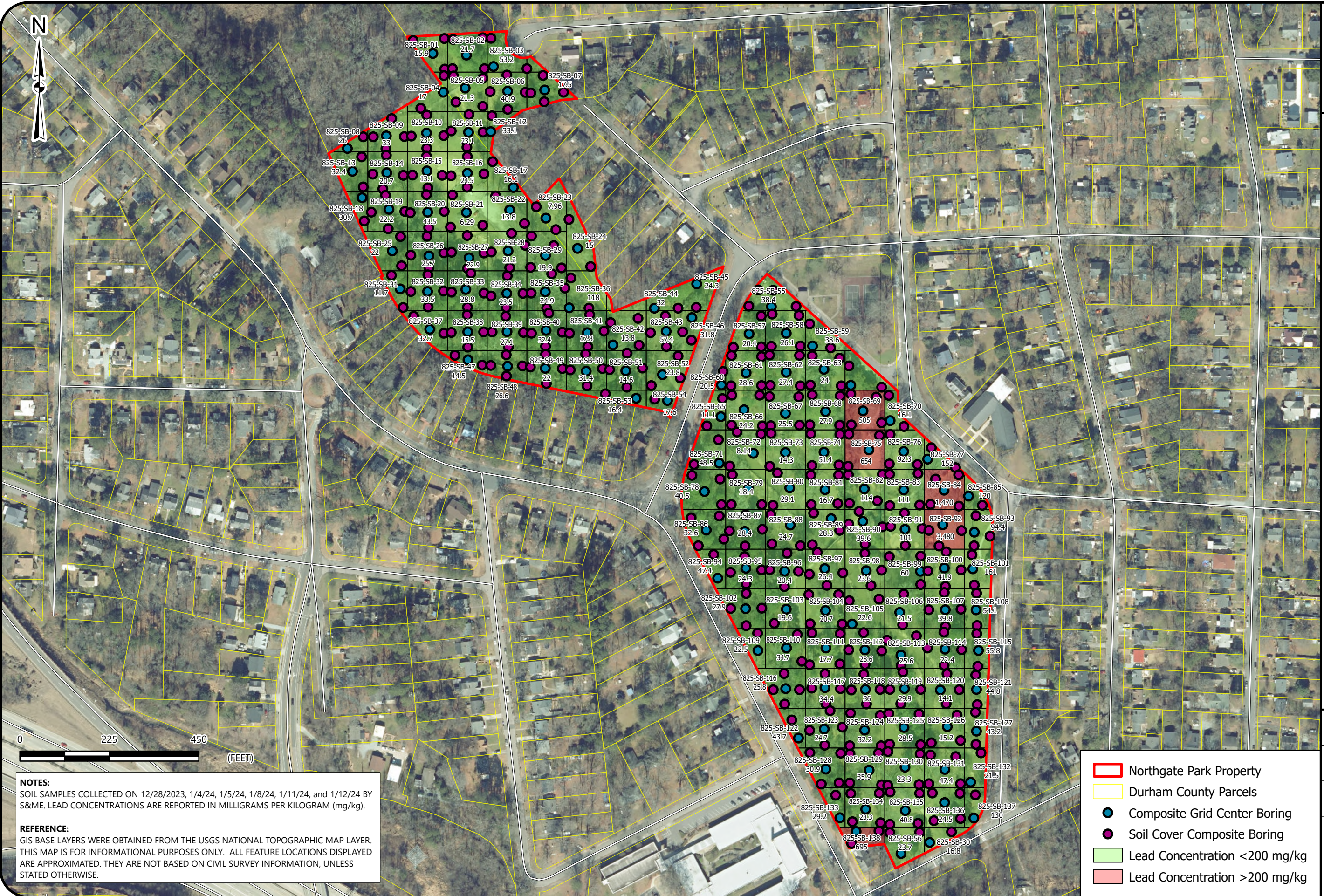
SCALE:
1 in = 225 ft

DATE:
2/29/2024

PROJECT NUMBER
23050630

FIGURE NO.

Drawing Path: T:\Raleigh-1050\Projects\23050630_NCDEQ LE City of Durham Parks (PRF)_Durham NC\EN\GIS\Northgate Park.aprx Plotted by: ChelseaParra



NOTES:
SOIL SAMPLES COLLECTED ON 12/28/2023, 1/4/24, 1/5/24, 1/8/24, 1/11/24, and 1/12/24 BY S&ME. LEAD CONCENTRATIONS ARE REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg).

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE USGS NATIONAL TOPOGRAPHIC MAP 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 Park Property
- Durham County Parcels
- Composite Grid Center Boring
- Soil Cover Composite Boring
- Lead Concentration <200 mg/kg
- Lead Concentration >200 mg/kg



LEAD CONCENTRATIONS MAP - S&ME DATA

NORTHGATE PARK
 NCDEQ ID NO. NONCD000825, TASK ORDER 825DP-2
 300 W. CLUB BOULEVARD & 404 W. LAVENDER AVENUE
 DURHAM, NORTH CAROLINA

SCALE:
1 in = 225 ft

DATE:
2/23/2024

PROJECT NUMBER
23050630

FIGURE NO.

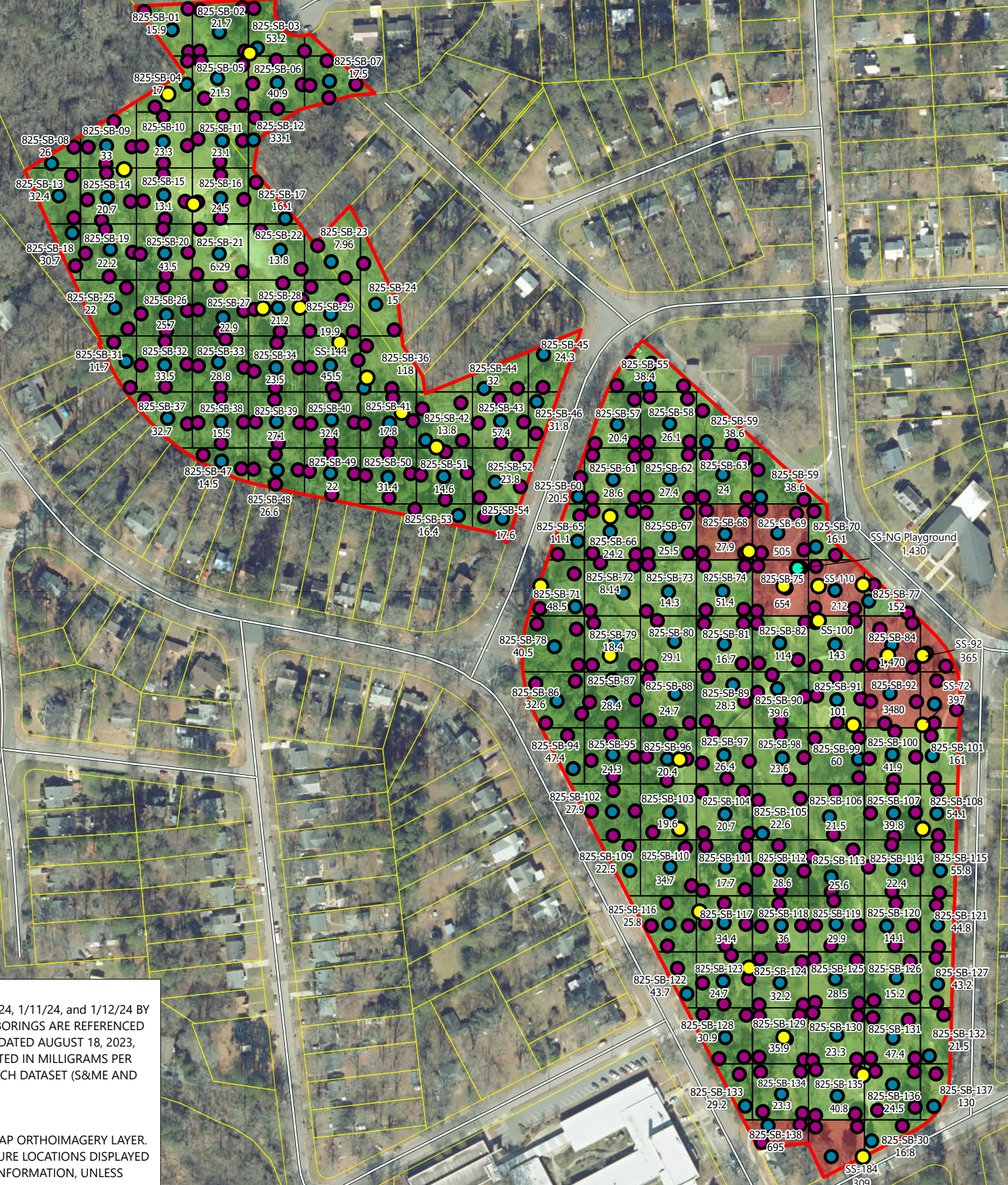
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Drawing Path: T:\Raleigh-1050\Projects\23050630_NCDEQ LE City of Durham Parks (PRF)_Durham NC\EN\GIS\Northgate Park.aprx Plotted by: ChelseaParra



NOTES:
 SOIL SAMPLES COLLECTED ON 12/28/2023, 1/4/24, 1/5/24, 1/8/24, 1/11/24, and 1/12/24 BY S&ME. MID-ATLANTIC ASSOCIATES INC. (MID-ATLANTIC) SOIL BORINGS ARE REFERENCED FROM "SOIL ASSESSMENT REPORT - CITY OF DURHAM PARKS" DATED AUGUST 18, 2023, SEE REPORT FOR DETAILS. LEAD CONCENTRATIONS ARE REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg). HIGHEST LEAD CONCENTRATION FROM EACH DATASET (S&ME AND MID-ATLANTIC) ARE PRESENTED.

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.



Legend

- Northgate Park Property
- Durham County Parcels

Soil Borings

- Composite Grid Center Boring (S&ME)
- Soil Cover Composite Boring (S&ME)
- Soil Boring (Mid-Atlantic)
- Playground Sample Location (Mid-Atlantic)

Lead Concentration

- Lead Concentration < 200 mg/kg
- Lead Concentration > 200 mg/kg



**HISTORICAL INVESTIGATION MAP - LEAD CONCENTRATIONS
S&ME AND MID-ATLANTIC DATA**

NORTHGATE PARK
NCDEQ ID NO. NONCD0000825, TASK ORDER 825DP-2
300 W. CLUB BOULEVARD & 404 W. LAVENDER AVENUE
DURHAM, NORTH CAROLINA

SCALE:
1 in = 225 ft

DATE:
2/23/2024

PROJECT NUMBER
23050630

FIGURE NO.

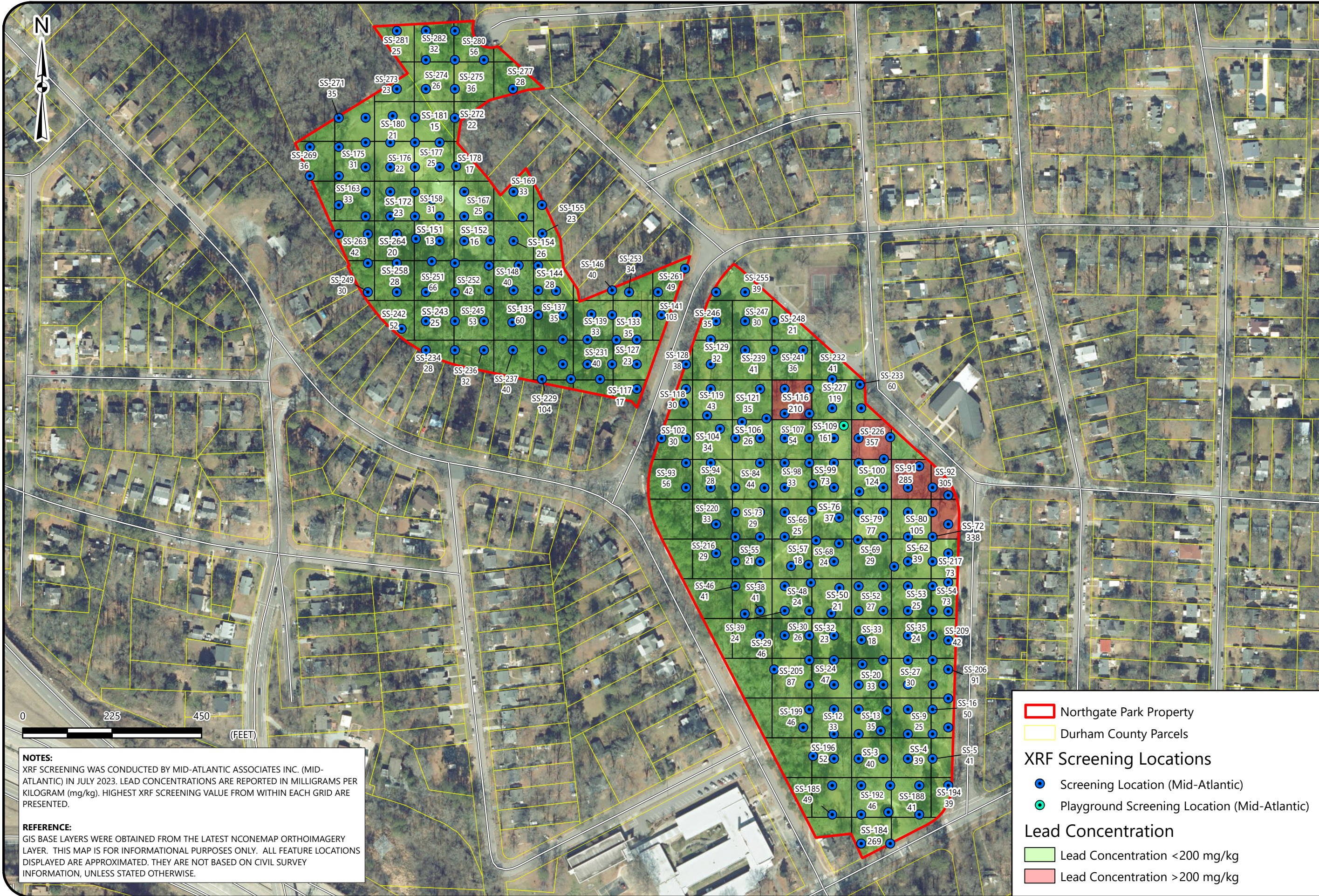
4A

Drawing Path: T:\Raleigh-1050\Projects\23050630_NCDEQ LE City of Durham Parks (PRF)_Durham NC\EN\GIS\Northgate Park.aprx Plotted by: ChelseaParra



NOTES:
 XRF SCREENING WAS CONDUCTED BY MID-ATLANTIC ASSOCIATES INC. (MID-ATLANTIC) IN JULY 2023. LEAD CONCENTRATIONS ARE REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg). HIGHEST XRF SCREENING VALUE FROM WITHIN EACH GRID ARE PRESENTED.

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.



Legend

- Northgate Park Property
- Durham County Parcels

XRF Screening Locations

- Screening Location (Mid-Atlantic)
- Playground Screening Location (Mid-Atlantic)

Lead Concentration

- Lead Concentration <200 mg/kg
- Lead Concentration >200 mg/kg



**HISTORICAL INVESTIGATION MAP - LEAD CONCENTRATIONS
 MID-ATLANTIC XRF SCREENING DATA ONLY**

WALLTOWN PARK
 NCDEQ ID NO. NONCD0000824, TASK ORDER 824DP-2
 1308 W. CLUB BOULEVARD
 DURHAM, NORTH CAROLINA

SCALE:
 1 in = 225 ft

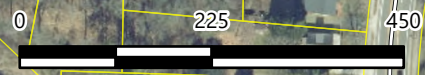
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 2/23/2024

PROJECT NUMBER
 23050630

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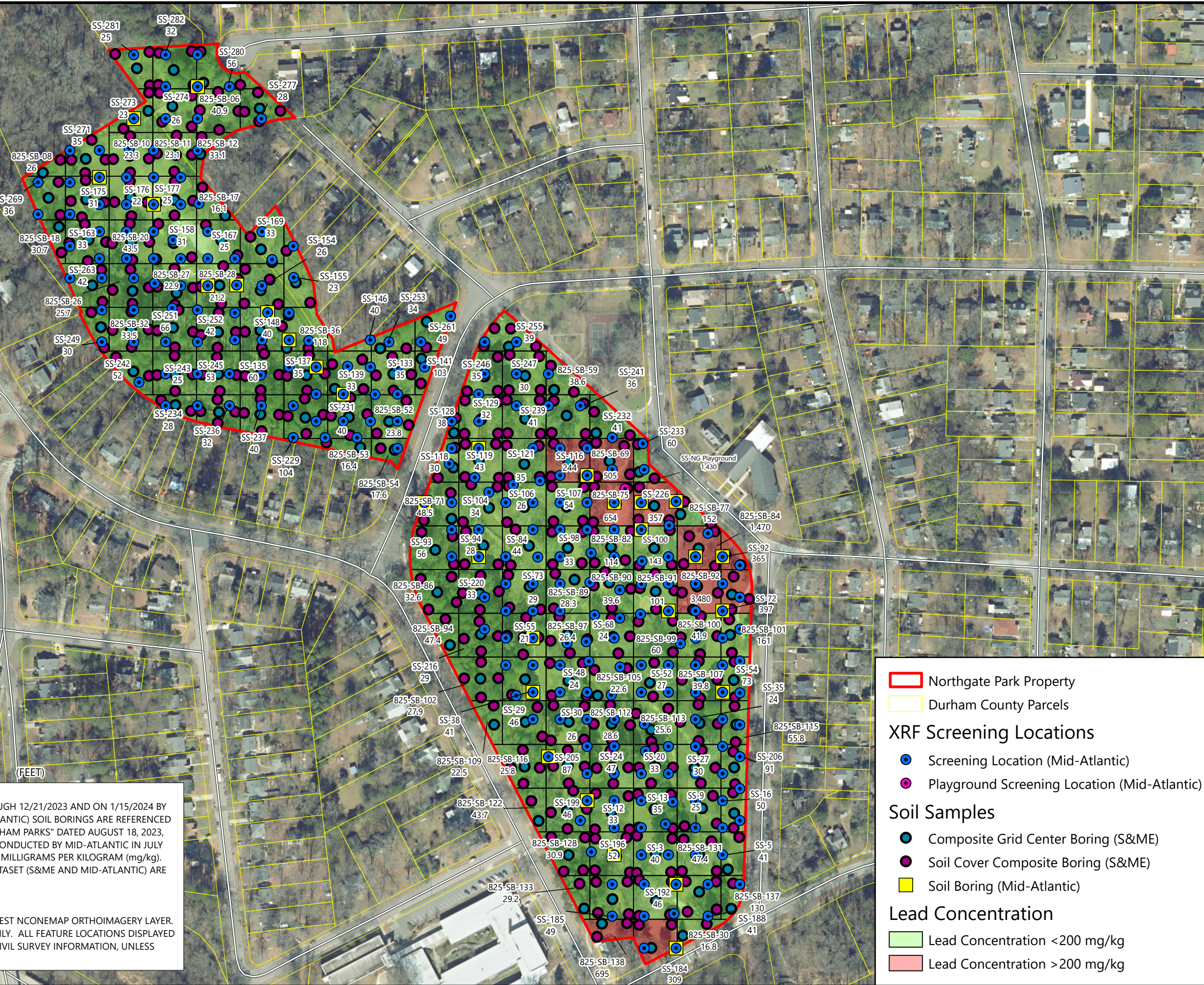
4B

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LE City of Durham Parks (PRJ)_Durham NC\EN\GIS\Northgate Park.aprx Plotted by: ChelseaParra



NOTES:
 SOIL SAMPLES COLLECTED ON 12/19/2023 THROUGH 12/21/2023 AND ON 1/15/2024 BY S&ME. MID-ATLANTIC ASSOCIATES INC. (MID-ATLANTIC) SOIL BORINGS ARE REFERENCED FROM "SOIL ASSESSMENT REPORT - CITY OF DURHAM PARKS" DATED AUGUST 18, 2023, SEE REPORT FOR DETAILS. XRF SCREENING WAS CONDUCTED BY MID-ATLANTIC IN JULY 2023. LEAD CONCENTRATIONS ARE REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg). HIGHEST LEAD CONCENTRATION FROM EACH DATASET (S&ME AND MID-ATLANTIC) ARE PRESENTED.

REFERENCE:
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Legend

- Northgate Park Property (Red outline)
- Durham County Parcels (Yellow outline)

XRF Screening Locations

- Screening Location (Mid-Atlantic) (Blue circle)
- Playground Screening Location (Mid-Atlantic) (Pink circle)

Soil Samples

- Composite Grid Center Boring (S&ME) (Green circle)
- Soil Cover Composite Boring (S&ME) (Red circle)
- Soil Boring (Mid-Atlantic) (Yellow square)

Lead Concentration

- Lead Concentration <200 mg/kg (Green background)
- Lead Concentration >200 mg/kg (Red background)



**HISTORICAL INVESTIGATIONS MAP - LEAD CONCENTRATIONS
 ALL DATA - S&ME (LAB) AND MID-ATLANTIC (LAB AND XRF)**

NORTHGATE PARK
 NCDEQ ID NO. NONCD000825, TASK ORDER 825DP-2
 300 W. CLUB BOULEVARD & 404 W. LAVENDER AVENUE
 DURHAM, NORTH CAROLINA

SCALE:
 1 in = 225 ft

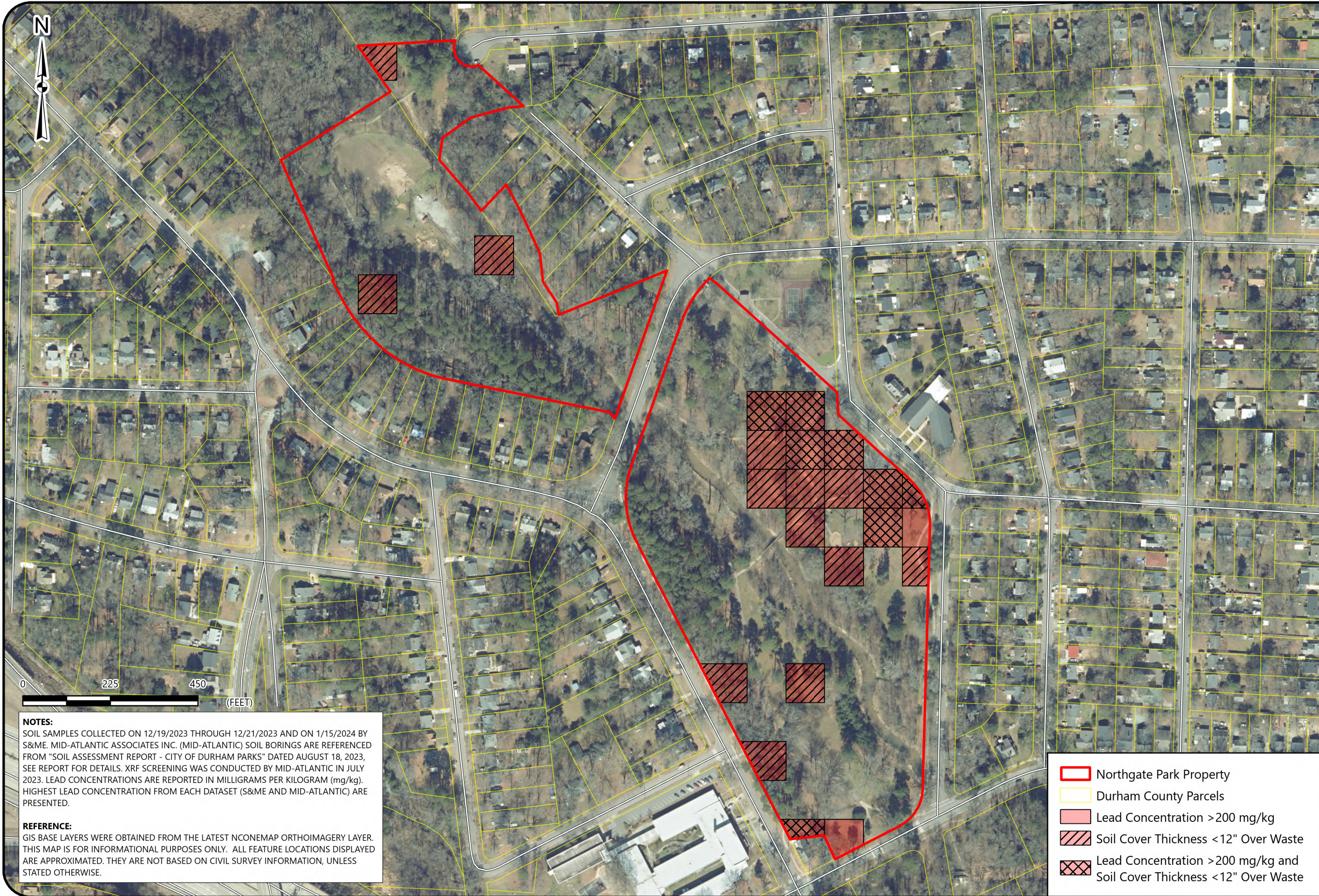
DATE:
 2/23/2024

PROJECT NUMBER
 23050630

FIGURE NO.

4C

Drawing Path: T:\Raleigh-1050\Projects\2023\23050630_NCDEQ LF_City of Durham Parks (PRF)_Durham NC\ENVI\GIS\Northgate Park.aprx Plotted by: ChelseaParra



NOTES:
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REFERENCE:
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- Northgate Park Property
- Durham County Parcels
- Lead Concentration > 200 mg/kg
- Soil Cover Thickness < 12" Over Waste
- Lead Concentration > 200 mg/kg and Soil Cover Thickness < 12" Over Waste



COMBINED QUALITY AND THICKNESS MAP

NORTHGATE PARK
 NCDEQ ID NO. NONCD0000825, TASK ORDER 825DP-2
 300 W. CLUB BOULEVARD & 404 W. LAVENDER AVENUE
 DURHAM, NORTH CAROLINA

SCALE:
 1 in = 230 ft

DATE:
 3/6/2024

PROJECT NUMBER
 23050630

FIGURE NO.

5

Tables



TABLE 2
Soil Sample Analytical Results Summary- TCLP/SPLP Results
City of Durham Parks PRLF
S&ME Project No. 23050630
825-Northgate Park

Analytical Method →		TCLP Lead (mg/L)	SPLP Lead (µg/L)
Analyte →			
Sample ID	Date Collected		
825-SB-69	12/28/2023	0.187	309
825-SB-75	12/28/2023	0.368	405
825-SB-84	12/28/2023	0.543	332
825-SB-92	1/4/2024	0.268	195
825-SB-138	1/8/2024	0.376	154
Maximum Concentration of Contaminant for Toxicity Characteristic		5	NE
2L Groundwater Standard		NE	15

Notes:

mg/l: milligrams per liter

ug/L: micrograms per liter

TCLP: Toxic Characteristic Leaching Procedure.

SPLP: Synthetic Precipitation Leaching Procedure.

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

Concentrations that exceed the NCAC 2L Groundwater Standard are **highlighted yellow**.

Appendices

Appendix I – Coordinates of Selected Features



APPENDIX I
Coordinates of Selected Features
Northgate Park, NONCD0000825
Durham, Durham County, North Carolina
S&ME Project No.: 23050230, Task Order 825DP-2

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
825-SB-01-1	Soil Cover Boring	36.02478	-78.89956	689262.04700	3988738.32400
825-SB-01-2	Soil Cover Boring	36.02487	-78.89972	689246.72500	3988747.97700
825-SB-01-3	Soil Cover Boring	36.02489	-78.89946	689270.51400	3988749.95500
825-SB-01-4	Soil Cover Boring	36.02468	-78.89945	689271.33800	3988726.59900
825-SB-02-1	Soil Cover Boring	36.02477	-78.89927	689287.77400	3988737.64200
825-SB-02-2	Soil Cover Boring	36.02488	-78.89938	689277.32800	3988749.42100
825-SB-02-3	Soil Cover Boring	36.02468	-78.89939	689277.25100	3988727.04300
825-SB-02-4	Soil Cover Boring	36.02468	-78.89912	689301.76600	3988727.54800
825-SB-02-5	Soil Cover Boring	36.02489	-78.89913	689300.02800	3988751.14100
825-SB-03-1	Soil Cover Boring	36.02469	-78.89904	689308.71200	3988729.30100
825-SB-03-2	Soil Cover Boring	36.02489	-78.89906	689306.29800	3988750.91200
825-SB-03-3	Soil Cover Boring	36.02468	-78.89876	689334.35300	3988728.21700
825-SB-04-1	Soil Cover Boring	36.02452	-78.89947	689270.67300	3988708.82800
825-SB-04-2	Soil Cover Boring	36.02463	-78.89946	689270.86900	3988721.54900
825-SB-04-3	Soil Cover Boring	36.02441	-78.89966	689253.63500	3988696.10400
825-SB-05-1	Soil Cover Boring	36.02455	-78.89928	689287.32700	3988712.37800
825-SB-05-2	Soil Cover Boring	36.02445	-78.89936	689280.44800	3988701.46700
825-SB-05-3	Soil Cover Boring	36.02442	-78.89913	689301.13000	3988698.57000
825-SB-05-4	Soil Cover Boring	36.02461	-78.89913	689300.80200	3988720.10200
825-SB-05-5	Soil Cover Boring	36.02463	-78.89938	689278.20400	3988721.47100
825-SB-06-1	Soil Cover Boring	36.02452	-78.89892	689319.90000	3988710.64200
825-SB-06-2	Soil Cover Boring	36.02452	-78.89907	689306.50900	3988710.02200
825-SB-06-3	Soil Cover Boring	36.02452	-78.89877	689333.43300	3988710.00300
825-SB-06-4	Soil Cover Boring	36.02464	-78.89893	689319.07400	3988722.99900
825-SB-06-5	Soil Cover Boring	36.02440	-78.89892	689320.30200	3988696.67300
825-SB-07-1	Soil Cover Boring	36.02453	-78.89860	689348.28300	3988712.14100
825-SB-07-2	Soil Cover Boring	36.02463	-78.89862	689346.79400	3988723.22400
825-SB-07-3	Soil Cover Boring	36.02451	-78.89872	689337.67900	3988709.63300
825-SB-07-4	Soil Cover Boring	36.02452	-78.89844	689362.74700	3988710.72100
825-SB-07-5	Soil Cover Boring	36.02445	-78.89861	689348.12500	3988703.08800
825-SB-08-1	Soil Cover Boring	36.02413	-78.90028	689197.98700	3988664.19100
825-SB-08-2	Soil Cover Boring	36.02421	-78.90015	689209.97100	3988673.38800
825-SB-09-1	Soil Cover Boring	36.02422	-78.89995	689227.67100	3988674.46800
825-SB-09-2	Soil Cover Boring	36.02434	-78.89991	689231.51500	3988687.79400
825-SB-09-3	Soil Cover Boring	36.02421	-78.90006	689217.66500	3988673.54600
825-SB-09-4	Soil Cover Boring	36.02421	-78.89980	689241.46000	3988674.21500
825-SB-09-5	Soil Cover Boring	36.02413	-78.89996	689227.51500	3988664.61800
825-SB-10-1	Soil Cover Boring	36.02424	-78.89961	689258.40400	3988677.24800
825-SB-10-2	Soil Cover Boring	36.02421	-78.89974	689246.82100	3988674.68200
825-SB-10-3	Soil Cover Boring	36.02422	-78.89946	689271.68700	3988675.55100
825-SB-10-4	Soil Cover Boring	36.02436	-78.89961	689258.30000	3988691.03000
825-SB-10-5	Soil Cover Boring	36.02413	-78.89961	689258.82200	3988665.62100
825-SB-11-1	Soil Cover Boring	36.02424	-78.89925	689290.60200	3988678.44700
825-SB-11-2	Soil Cover Boring	36.02424	-78.89913	689301.69300	3988678.85400
825-SB-11-3	Soil Cover Boring	36.02425	-78.89940	689277.33900	3988679.24800
825-SB-11-4	Soil Cover Boring	36.02436	-78.89925	689290.68100	3988692.05400
825-SB-11-5	Soil Cover Boring	36.02414	-78.89927	689289.58600	3988666.97000
825-SB-12-1	Soil Cover Boring	36.02424	-78.89906	689307.59000	3988679.33300
825-SB-12-2	Soil Cover Boring	36.02435	-78.89905	689308.23500	3988691.52000
825-SB-13-1	Soil Cover Boring	36.02397	-78.90024	689202.28500	3988646.73600
825-SB-13-2	Soil Cover Boring	36.02407	-78.90016	689209.03500	3988657.97300
825-SB-13-3	Soil Cover Boring	36.02386	-78.90015	689210.76200	3988634.91600
825-SB-14-1	Soil Cover Boring	36.02396	-78.89995	689228.61000	3988646.20300
825-SB-14-2	Soil Cover Boring	36.02395	-78.90007	689217.89600	3988644.90900
825-SB-14-3	Soil Cover Boring	36.02394	-78.89981	689241.35500	3988644.49600
825-SB-14-4	Soil Cover Boring	36.02408	-78.89995	689227.97700	3988659.61600
825-SB-14-5	Soil Cover Boring	36.02385	-78.89998	689225.82200	3988633.79300

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



APPENDIX I
 Coordinates of Selected Features
 Northgate Park, NONCD0000825
 Durham, Durham County, North Carolina
 S&ME Project No.: 23050230, Task Order 825DP-2

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
825-SB-15-1	Soil Cover Boring	36.02397	-78.89961	689259.35900	3988648.26700
825-SB-15-2	Soil Cover Boring	36.02408	-78.89961	689258.76800	3988659.53300
825-SB-15-3	Soil Cover Boring	36.02386	-78.89960	689260.34200	3988635.21900
825-SB-15-4	Soil Cover Boring	36.02395	-78.89973	689248.33100	3988644.81800
825-SB-15-5	Soil Cover Boring	36.02394	-78.89948	689271.05900	3988645.10700
825-SB-16-1	Soil Cover Boring	36.02396	-78.89926	689290.35100	3988647.11400
825-SB-16-2	Soil Cover Boring	36.02407	-78.89926	689290.09100	3988659.81900
825-SB-16-3	Soil Cover Boring	36.02394	-78.89940	689277.86600	3988644.88800
825-SB-16-4	Soil Cover Boring	36.02395	-78.89912	689303.06700	3988646.83800
825-SB-16-5	Soil Cover Boring	36.02386	-78.89926	689290.39300	3988636.37400
825-SB-17-1	Soil Cover Boring	36.02386	-78.89887	689325.82700	3988636.92400
825-SB-17-2	Soil Cover Boring	36.02404	-78.89905	689309.49700	3988656.27900
825-SB-18-1	Soil Cover Boring	36.02379	-78.90016	689210.03600	3988626.69500
825-SB-18-2	Soil Cover Boring	36.02363	-78.90014	689212.12100	3988608.86500
825-SB-19-1	Soil Cover Boring	36.02371	-78.89993	689230.83300	3988618.18600
825-SB-19-2	Soil Cover Boring	36.02381	-78.89996	689227.97700	3988628.89700
825-SB-19-3	Soil Cover Boring	36.02357	-78.89994	689230.56600	3988603.28700
825-SB-19-4	Soil Cover Boring	36.02369	-78.90008	689217.36400	3988615.73300
825-SB-19-5	Soil Cover Boring	36.02369	-78.89980	689243.00500	3988616.83300
825-SB-20-1	Soil Cover Boring	36.02369	-78.89960	689260.53900	3988616.62100
825-SB-20-2	Soil Cover Boring	36.02381	-78.89961	689259.34700	3988630.00000
825-SB-20-3	Soil Cover Boring	36.02368	-78.89975	689247.26400	3988615.88900
825-SB-20-4	Soil Cover Boring	36.02369	-78.89946	689273.23900	3988617.45400
825-SB-20-5	Soil Cover Boring	36.02358	-78.89959	689261.58500	3988604.72600
825-SB-21-1	Soil Cover Boring	36.02369	-78.89927	689290.20500	3988617.00100
825-SB-21-2	Soil Cover Boring	36.02381	-78.89939	689279.27900	3988630.18000
825-SB-21-3	Soil Cover Boring	36.02359	-78.89941	689278.29600	3988605.52800
825-SB-21-4	Soil Cover Boring	36.02360	-78.89913	689303.00400	3988607.41100
825-SB-22-1	Soil Cover Boring	36.02370	-78.89890	689323.37500	3988619.63100
825-SB-22-2	Soil Cover Boring	36.02380	-78.89902	689312.38900	3988630.17400
825-SB-22-3	Soil Cover Boring	36.02361	-78.89878	689334.92500	3988609.55700
825-SB-23-1	Soil Cover Boring	36.02365	-78.89860	689351.21900	3988613.90200
825-SB-23-2	Soil Cover Boring	36.02373	-78.89868	689343.71000	3988622.45500
825-SB-23-3	Soil Cover Boring	36.02357	-78.89851	689359.07300	3988605.24100
825-SB-24-1	Soil Cover Boring	36.02344	-78.89833	689375.99500	3988591.23200
825-SB-24-2	Soil Cover Boring	36.02364	-78.89840	689368.91800	3988613.28400
825-SB-24-3	Soil Cover Boring	36.02331	-78.89822	689386.30200	3988577.48100
825-SB-25-1	Soil Cover Boring	36.02342	-78.89990	689234.02000	3988586.36300
825-SB-25-2	Soil Cover Boring	36.02352	-78.89983	689240.10600	3988597.48700
825-SB-25-3	Soil Cover Boring	36.02332	-78.89982	689241.38100	3988575.10900
825-SB-26-1	Soil Cover Boring	36.02339	-78.89959	689262.19600	3988583.07300
825-SB-26-2	Soil Cover Boring	36.02331	-78.89959	689262.38000	3988574.11500
825-SB-26-3	Soil Cover Boring	36.02339	-78.89974	689248.33900	3988583.39900
825-SB-26-4	Soil Cover Boring	36.02341	-78.89946	689273.54700	3988585.75100
825-SB-26-5	Soil Cover Boring	36.02352	-78.89961	689260.46100	3988598.10900
825-SB-27-1	Soil Cover Boring	36.02337	-78.89925	689292.96800	3988582.28000
825-SB-27-2	Soil Cover Boring	36.02353	-78.89927	689291.19000	3988599.35200
825-SB-27-3	Soil Cover Boring	36.02330	-78.89926	689291.91300	3988574.11100
825-SB-27-4	Soil Cover Boring	36.02341	-78.89940	689279.44300	3988586.27900
825-SB-27-5	Soil Cover Boring	36.02341	-78.89912	689304.29400	3988586.17900
825-SB-28-1	Soil Cover Boring	36.02342	-78.89892	689322.78700	3988588.18800
825-SB-28-2	Soil Cover Boring	36.02354	-78.89889	689325.15700	3988601.68000
825-SB-28-3	Soil Cover Boring	36.02346	-78.89877	689335.72900	3988592.73200
825-SB-28-4	Soil Cover Boring	36.02341	-78.89906	689309.97700	3988587.11000
825-SB-28-5	Soil Cover Boring	36.02330	-78.89890	689324.27200	3988575.38800
825-SB-29-1	Soil Cover Boring	36.02339	-78.89860	689351.56400	3988585.31700
825-SB-29-2	Soil Cover Boring	36.02331	-78.89873	689340.35200	3988575.92100
825-SB-29-3	Soil Cover Boring	36.02330	-78.89846	689363.97700	3988576.00000
825-SB-29-4	Soil Cover Boring	36.02352	-78.89872	689340.46900	3988599.95800
825-SB-29-5	Soil Cover Boring	36.02346	-78.89853	689357.72100	3988592.98000
825-SB-30-1	Soil Cover Boring	36.01933	-78.89534	689655.20900	3988141.43000
825-SB-30-2	Soil Cover Boring	36.01940	-78.89515	689671.73600	3988149.91600
825-SB-31-1	Soil Cover Boring	36.02316	-78.89983	689240.72700	3988557.37500
825-SB-31-2	Soil Cover Boring	36.02325	-78.89991	689233.79400	3988567.62000
825-SB-31-3	Soil Cover Boring	36.02303	-78.89981	689243.25900	3988543.17000

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



APPENDIX I
 Coordinates of Selected Features
 Northgate Park, NONCD0000825
 Durham, Durham County, North Carolina
 S&ME Project No.: 23050230, Task Order 825DP-2

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
825-SB-32-1	Soil Cover Boring	36.02314	-78.89960	689261.73900	3988555.77100
825-SB-32-2	Soil Cover Boring	36.02326	-78.89960	689261.67800	3988568.60100
825-SB-32-3	Soil Cover Boring	36.02314	-78.89974	689248.91300	3988555.50600
825-SB-32-4	Soil Cover Boring	36.02314	-78.89947	689273.94600	3988556.42900
825-SB-32-5	Soil Cover Boring	36.02303	-78.89960	689262.38900	3988543.97100
825-SB-33-1	Soil Cover Boring	36.02315	-78.89928	689291.02200	3988558.00200
825-SB-33-2	Soil Cover Boring	36.02303	-78.89926	689292.52400	3988544.38700
825-SB-33-3	Soil Cover Boring	36.02314	-78.89940	689280.07000	3988555.74000
825-SB-33-4	Soil Cover Boring	36.02313	-78.89912	689304.92500	3988555.43600
825-SB-33-5	Soil Cover Boring	36.02327	-78.89923	689294.63600	3988570.50100
825-SB-34-1	Soil Cover Boring	36.02313	-78.89893	689322.43900	3988555.59300
825-SB-34-2	Soil Cover Boring	36.02303	-78.89893	689322.25300	3988544.79400
825-SB-34-3	Soil Cover Boring	36.02325	-78.89892	689322.57000	3988569.03800
825-SB-34-4	Soil Cover Boring	36.02311	-78.89906	689310.46800	3988553.31000
825-SB-34-5	Soil Cover Boring	36.02313	-78.89879	689334.85800	3988555.84800
825-SB-35-1	Soil Cover Boring	36.02314	-78.89860	689351.93500	3988557.42100
825-SB-35-2	Soil Cover Boring	36.02303	-78.89859	689353.20700	3988545.02200
825-SB-35-3	Soil Cover Boring	36.02313	-78.89872	689341.16400	3988556.18100
825-SB-35-4	Soil Cover Boring	36.02326	-78.89855	689356.53600	3988571.36600
825-SB-35-5	Soil Cover Boring	36.02316	-78.89843	689366.94200	3988560.58100
825-SB-36-1	Soil Cover Boring	36.02303	-78.89840	689370.50900	3988545.53400
825-SB-36-2	Soil Cover Boring	36.02323	-78.89838	689371.34100	3988568.49300
825-SB-36-3	Soil Cover Boring	36.02302	-78.89823	689385.62900	3988545.58300
825-SB-37-1	Soil Cover Boring	36.02288	-78.89958	689263.96200	3988526.89400
825-SB-37-2	Soil Cover Boring	36.02297	-78.89972	689251.54100	3988536.61900
825-SB-37-3	Soil Cover Boring	36.02285	-78.89946	689274.81500	3988524.06200
825-SB-38-1	Soil Cover Boring	36.02286	-78.89926	689293.11700	3988525.45600
825-SB-38-2	Soil Cover Boring	36.02298	-78.89927	689292.44200	3988538.47800
825-SB-38-3	Soil Cover Boring	36.02276	-78.89926	689293.35600	3988513.85200
825-SB-38-4	Soil Cover Boring	36.02286	-78.89940	689280.50300	3988524.79000
825-SB-38-5	Soil Cover Boring	36.02286	-78.89913	689305.33200	3988525.70700
825-SB-39-1	Soil Cover Boring	36.02286	-78.89893	689323.24500	3988526.27900
825-SB-39-2	Soil Cover Boring	36.02276	-78.89892	689324.50600	3988514.49300
825-SB-39-3	Soil Cover Boring	36.02286	-78.89905	689311.84800	3988525.84100
825-SB-39-4	Soil Cover Boring	36.02286	-78.89879	689335.88000	3988525.92800
825-SB-39-5	Soil Cover Boring	36.02297	-78.89894	689321.98400	3988538.06700
825-SB-40-1	Soil Cover Boring	36.02287	-78.89859	689353.15200	3988527.91200
825-SB-40-2	Soil Cover Boring	36.02276	-78.89860	689352.99600	3988515.68900
825-SB-40-3	Soil Cover Boring	36.02285	-78.89872	689342.00100	3988525.44300
825-SB-40-4	Soil Cover Boring	36.02286	-78.89846	689365.60100	3988526.74200
825-SB-40-5	Soil Cover Boring	36.02299	-78.89857	689354.91600	3988541.18800
825-SB-41-1	Soil Cover Boring	36.02285	-78.89824	689384.74600	3988526.72900
825-SB-41-2	Soil Cover Boring	36.02285	-78.89840	689371.11400	3988526.04100
825-SB-41-3	Soil Cover Boring	36.02287	-78.89810	689397.54800	3988528.21400
825-SB-41-4	Soil Cover Boring	36.02298	-78.89822	689386.29400	3988540.61100
825-SB-41-5	Soil Cover Boring	36.02276	-78.89824	689385.37100	3988516.15100
825-SB-42-1	Soil Cover Boring	36.02277	-78.89803	689404.68800	3988517.77000
825-SB-42-2	Soil Cover Boring	36.02277	-78.89780	689424.64400	3988517.97700
825-SB-42-3	Soil Cover Boring	36.02292	-78.89805	689402.50400	3988534.83400
825-SB-42-4	Soil Cover Boring	36.02295	-78.89781	689423.40700	3988538.52200
825-SB-43-1	Soil Cover Boring	36.02286	-78.89757	689445.19300	3988528.99000
825-SB-43-2	Soil Cover Boring	36.02276	-78.89757	689445.63400	3988517.39000
825-SB-43-3	Soil Cover Boring	36.02297	-78.89758	689444.33900	3988540.78600
825-SB-43-4	Soil Cover Boring	36.02285	-78.89771	689433.20100	3988527.72500
825-SB-43-5	Soil Cover Boring	36.02286	-78.89743	689457.82400	3988528.84200
825-SB-44-1	Soil Cover Boring	36.02302	-78.89767	689435.82700	3988546.57800
825-SB-44-2	Soil Cover Boring	36.02302	-78.89747	689453.96500	3988546.95100
825-SB-45-1	Soil Cover Boring	36.02319	-78.89731	689467.83400	3988565.86800
825-SB-45-2	Soil Cover Boring	36.02303	-78.89732	689467.88000	3988547.88500
825-SB-46-1	Soil Cover Boring	36.02263	-78.89914	689464.72400	3988539.98300
825-SB-46-2	Soil Cover Boring	36.02262	-78.89892	689464.67200	3988522.66900
825-SB-47-1	Soil Cover Boring	36.02270	-78.89893	689293.76000	3988504.08300
825-SB-47-2	Soil Cover Boring	36.02263	-78.89907	689283.71300	3988507.33900
825-SB-47-3	Soil Cover Boring	36.02263	-78.89880	689304.63400	3988500.23300
825-SB-48-1	Soil Cover Boring	36.02256	-78.89893	689324.19600	3988499.82100
825-SB-48-2	Soil Cover Boring	36.02261	-78.89860	689322.99800	3988508.55400
825-SB-48-3	Soil Cover Boring	36.02271	-78.89860	689311.35700	3988500.16700

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



APPENDIX I
 Coordinates of Selected Features
 Northgate Park, NONCD0000825
 Durham, Durham County, North Carolina
 S&ME Project No.: 23050230, Task Order 825DP-2

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
825-SB-48-4	Soil Cover Boring	36.02262	-78.89873	689335.59300	3988500.25900
825-SB-48-5	Soil Cover Boring	36.02261	-78.89846	689323.53600	3988492.27100
825-SB-49-1	Soil Cover Boring	36.02250	-78.89859	689353.14000	3988498.78600
825-SB-49-2	Soil Cover Boring	36.02259	-78.89825	689353.12100	3988509.58200
825-SB-49-3	Soil Cover Boring	36.02271	-78.89826	689341.71800	3988499.56900
825-SB-49-4	Soil Cover Boring	36.02260	-78.89839	689366.17400	3988498.85100
825-SB-49-5	Soil Cover Boring	36.02261	-78.89812	689354.19300	3988487.19800
825-SB-50-1	Soil Cover Boring	36.02249	-78.89825	689384.53900	3988497.19200
825-SB-50-2	Soil Cover Boring	36.02259	-78.89792	689383.85900	3988510.41700
825-SB-50-3	Soil Cover Boring	36.02248	-78.89791	689372.30300	3988497.95900
825-SB-50-4	Soil Cover Boring	36.02260	-78.89806	689396.91700	3988499.48200
825-SB-50-5	Soil Cover Boring	36.02271	-78.89791	689385.38000	3988486.00600
825-SB-51-1	Soil Cover Boring	36.02261	-78.89778	689414.86600	3988498.22200
825-SB-51-2	Soil Cover Boring	36.02256	-78.89761	689415.94000	3988485.61600
825-SB-51-3	Soil Cover Boring	36.02249	-78.89770	689402.43000	3988498.78100
825-SB-51-4	Soil Cover Boring	36.02254	-78.89745	689415.60800	3988511.68100
825-SB-51-5	Soil Cover Boring	36.02269	-78.89747	689427.65000	3988500.52200
825-SB-52-1	Soil Cover Boring	36.02240	-78.89783	689443.02400	3988495.74600
825-SB-52-2	Soil Cover Boring	36.02243	-78.89809	689434.64600	3988487.22300
825-SB-52-3	Soil Cover Boring	36.02239	-78.89756	689456.71500	3988493.58300
825-SB-52-4	Soil Cover Boring	36.02240	-78.89767	689454.74400	3988510.24500
825-SB-53-1	Soil Cover Boring	36.02303	-78.89668	689423.24200	3988477.21200
825-SB-53-2	Soil Cover Boring	36.02304	-78.89687	689399.55400	3988480.18800
825-SB-54-1	Soil Cover Boring	36.02303	-78.89647	689447.29900	3988476.07600
825-SB-54-2	Soil Cover Boring	36.02315	-78.89679	689437.50500	3988476.89400
825-SB-55-1	Soil Cover Boring	36.02303	-78.89668	689525.42600	3988549.58200
825-SB-55-2	Soil Cover Boring	36.02304	-78.89687	689508.11200	3988549.63300
825-SB-55-3	Soil Cover Boring	36.02303	-78.89647	689544.35600	3988550.17500
825-SB-55-4	Soil Cover Boring	36.02315	-78.89679	689515.18600	3988562.20300
825-SB-55-5	Soil Cover Boring	36.02315	-78.89666	689526.59200	3988562.23300
825-SB-56-1	Soil Cover Boring	36.01925	-78.89558	689633.39700	3988132.42700
825-SB-56-2	Soil Cover Boring	36.01940	-78.89568	689624.51500	3988148.33500
825-SB-56-3	Soil Cover Boring	36.01940	-78.89542	689647.31400	3988149.00700
825-SB-57-1	Soil Cover Boring	36.02285	-78.89687	689508.75200	3988528.46300
825-SB-57-2	Soil Cover Boring	36.02275	-78.89700	689496.95300	3988517.83300
825-SB-57-3	Soil Cover Boring	36.02276	-78.89677	689518.32200	3988518.68000
825-SB-57-4	Soil Cover Boring	36.02297	-78.89676	689517.83600	3988542.29700
825-SB-58-1	Soil Cover Boring	36.02285	-78.89655	689537.24600	3988529.45700
825-SB-58-2	Soil Cover Boring	36.02276	-78.89668	689526.05000	3988519.24600
825-SB-58-3	Soil Cover Boring	36.02276	-78.89643	689548.23700	3988519.90600
825-SB-58-4	Soil Cover Boring	36.02297	-78.89644	689546.73800	3988543.29800
825-SB-58-5	Soil Cover Boring	36.02298	-78.89667	689526.15400	3988543.89400
825-SB-59-1	Soil Cover Boring	36.02276	-78.89633	689557.60200	3988520.09900
825-SB-59-2	Soil Cover Boring	36.02291	-78.89635	689555.01500	3988536.95100
825-SB-59-3	Soil Cover Boring	36.02275	-78.89618	689571.47600	3988518.95800
825-SB-60-1	Soil Cover Boring	36.02249	-78.89710	689488.38500	3988488.73500
825-SB-60-2	Soil Cover Boring	36.02259	-78.89709	689489.39300	3988499.14300
825-SB-61-1	Soil Cover Boring	36.02258	-78.89689	689507.12700	3988498.49000
825-SB-61-2	Soil Cover Boring	36.02249	-78.89702	689495.72700	3988488.27400
825-SB-61-3	Soil Cover Boring	36.02249	-78.89676	689519.13600	3988488.96000
825-SB-61-4	Soil Cover Boring	36.02269	-78.89676	689518.68000	3988511.15100
825-SB-61-5	Soil Cover Boring	36.02270	-78.89702	689495.65800	3988511.49300
825-SB-62-1	Soil Cover Boring	36.02258	-78.89655	689537.86100	3988499.52900
825-SB-62-2	Soil Cover Boring	36.02249	-78.89669	689525.85100	3988489.30100
825-SB-62-3	Soil Cover Boring	36.02249	-78.89643	689548.86500	3988489.36800
825-SB-62-4	Soil Cover Boring	36.02270	-78.89644	689547.77300	3988512.76800
825-SB-62-5	Soil Cover Boring	36.02270	-78.89670	689524.76300	3988512.49800
825-SB-63-1	Soil Cover Boring	36.02260	-78.89623	689566.72600	3988502.36200
825-SB-63-2	Soil Cover Boring	36.02249	-78.89635	689556.58900	3988490.13700
825-SB-63-3	Soil Cover Boring	36.02249	-78.89609	689580.21800	3988490.01200
825-SB-63-4	Soil Cover Boring	36.02268	-78.89610	689578.56100	3988511.16100
825-SB-63-5	Soil Cover Boring	36.02269	-78.89633	689557.55400	3988512.56100
825-SB-64-1	Soil Cover Boring	36.02249	-78.89600	689587.53900	3988490.57000
825-SB-64-2	Soil Cover Boring	36.02262	-78.89602	689585.80900	3988505.40300
825-SB-64-3	Soil Cover Boring	36.02248	-78.89574	689611.18500	3988489.63000
825-SB-65-1	Soil Cover Boring	36.02227	-78.89711	689488.47600	3988464.49900

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



APPENDIX I
 Coordinates of Selected Features
 Northgate Park, NONCD0000825
 Durham, Durham County, North Carolina
 S&ME Project No.: 23050230, Task Order 825DP-2

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
825-SB-65-2	Soil Cover Boring	36.02221	-78.89723	689477.83200	3988457.15200
825-SB-65-3	Soil Cover Boring	36.02240	-78.89710	689489.41300	3988478.36900
825-SB-66-1	Soil Cover Boring	36.02232	-78.89691	689506.08000	3988470.15700
825-SB-66-2	Soil Cover Boring	36.02221	-78.89702	689496.75400	3988458.15200
825-SB-66-3	Soil Cover Boring	36.02221	-78.89676	689520.38300	3988458.02600
825-SB-66-4	Soil Cover Boring	36.02242	-78.89702	689496.48500	3988481.16200
825-SB-66-5	Soil Cover Boring	36.02242	-78.89678	689517.86200	3988481.60100
825-SB-67-1	Soil Cover Boring	36.02230	-78.89656	689537.89900	3988467.96000
825-SB-67-2	Soil Cover Boring	36.02241	-78.89645	689547.81500	3988480.99500
825-SB-67-3	Soil Cover Boring	36.02241	-78.89670	689525.41600	3988480.73800
825-SB-67-4	Soil Cover Boring	36.02221	-78.89668	689526.89400	3988458.36400
825-SB-67-5	Soil Cover Boring	36.02221	-78.89644	689548.87400	3988459.22300
825-SB-68-1	Soil Cover Boring	36.02231	-78.89622	689568.61300	3988470.01600
825-SB-68-2	Soil Cover Boring	36.02222	-78.89635	689556.80900	3988459.59000
825-SB-68-3	Soil Cover Boring	36.02221	-78.89610	689579.61600	3988459.85500
825-SB-68-4	Soil Cover Boring	36.02242	-78.89609	689579.56300	3988482.25800
825-SB-68-5	Soil Cover Boring	36.02242	-78.89633	689558.16900	3988482.63300
825-SB-69-1	Soil Cover Boring	36.02231	-78.89590	689597.30600	3988471.21700
825-SB-69-2	Soil Cover Boring	36.02243	-78.89600	689587.67700	3988483.85100
825-SB-69-3	Soil Cover Boring	36.02241	-78.89579	689607.26800	3988482.01300
825-SB-69-4	Soil Cover Boring	36.02222	-78.89600	689588.57000	3988460.24300
825-SB-69-5	Soil Cover Boring	36.02223	-78.89574	689611.74700	3988462.34800
825-SB-70-1	Soil Cover Boring	36.02225	-78.89567	689618.22700	3988464.11100
825-SB-70-2	Soil Cover Boring	36.02220	-78.89555	689628.90600	3988459.85000
825-SB-70-3	Soil Cover Boring	36.02242	-78.89568	689616.81200	3988483.43200
825-SB-71-1	Soil Cover Boring	36.02195	-78.89712	689487.98700	3988428.84500
825-SB-71-2	Soil Cover Boring	36.02194	-78.89734	689468.66700	3988427.42900
825-SB-71-3	Soil Cover Boring	36.02211	-78.89713	689487.00800	3988446.74900
825-SB-72-1	Soil Cover Boring	36.02202	-78.89683	689513.89300	3988436.91400
825-SB-72-2	Soil Cover Boring	36.02193	-78.89704	689495.97300	3988426.76900
825-SB-72-3	Soil Cover Boring	36.02215	-78.89677	689519.49500	3988451.69400
825-SB-72-4	Soil Cover Boring	36.02217	-78.89697	689501.13800	3988452.94600
825-SB-73-1	Soil Cover Boring	36.02203	-78.89656	689538.51500	3988438.03100
825-SB-73-2	Soil Cover Boring	36.02193	-78.89669	689526.72000	3988427.19800
825-SB-73-3	Soil Cover Boring	36.02216	-78.89668	689527.21900	3988452.46300
825-SB-74-1	Soil Cover Boring	36.02203	-78.89623	689568.03100	3988438.84200
825-SB-74-2	Soil Cover Boring	36.02194	-78.89633	689559.07800	3988428.47400
825-SB-74-3	Soil Cover Boring	36.02215	-78.89635	689557.56300	3988452.68000
825-SB-74-4	Soil Cover Boring	36.02215	-78.89610	689579.96600	3988452.73400
825-SB-74-5	Soil Cover Boring	36.02194	-78.89611	689579.63300	3988429.30300
825-SB-75-1	Soil Cover Boring	36.02204	-78.89585	689602.40100	3988441.38100
825-SB-75-2	Soil Cover Boring	36.02215	-78.89602	689586.88400	3988453.08000
825-SB-75-3	Soil Cover Boring	36.02193	-78.89603	689586.78000	3988428.43200
825-SB-75-4	Soil Cover Boring	36.02214	-78.89576	689610.31800	3988452.54300
825-SB-76-1	Soil Cover Boring	36.02203	-78.89556	689629.09600	3988440.70800
825-SB-76-2	Soil Cover Boring	36.02195	-78.89568	689618.29900	3988430.91300
825-SB-76-3	Soil Cover Boring	36.02194	-78.89544	689639.88800	3988430.94900
825-SB-76-4	Soil Cover Boring	36.02215	-78.89567	689618.44500	3988453.52400
825-SB-76-5	Soil Cover Boring	36.02206	-78.89532	689650.21100	3988443.99400
825-SB-77-1	Soil Cover Boring	36.02198	-78.89535	689647.54100	3988435.18000
825-SB-77-2	Soil Cover Boring	36.02192	-78.89511	689669.05300	3988429.10400
825-SB-78-1	Soil Cover Boring	36.02176	-78.89725	689477.03300	3988406.82600
825-SB-78-2	Soil Cover Boring	36.02187	-78.89736	689467.20900	3988419.04900
825-SB-78-3	Soil Cover Boring	36.02167	-78.89711	689490.26900	3988397.11800
825-SB-78-4	Soil Cover Boring	36.02184	-78.89712	689488.84900	3988416.64200
825-SB-79-1	Soil Cover Boring	36.02178	-78.89688	689510.56400	3988410.57100
825-SB-79-2	Soil Cover Boring	36.02167	-78.89702	689497.80200	3988397.27300
825-SB-79-3	Soil Cover Boring	36.02167	-78.89676	689521.21500	3988397.75400
825-SB-79-4	Soil Cover Boring	36.02187	-78.89701	689498.14700	3988420.09200
825-SB-80-1	Soil Cover Boring	36.02178	-78.89652	689542.32900	3988411.02100
825-SB-80-2	Soil Cover Boring	36.02166	-78.89667	689529.77800	3988397.32000
825-SB-80-3	Soil Cover Boring	36.02188	-78.89663	689532.72800	3988422.22900
825-SB-81-1	Soil Cover Boring	36.02177	-78.89622	689569.43500	3988410.15100
825-SB-81-2	Soil Cover Boring	36.02167	-78.89634	689559.08300	3988398.53300
825-SB-81-3	Soil Cover Boring	36.02187	-78.89635	689558.21100	3988421.12300
825-SB-81-4	Soil Cover Boring	36.02187	-78.89611	689579.58800	3988421.56300

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



APPENDIX I
 Coordinates of Selected Features
 Northgate Park, NONCD0000825
 Durham, Durham County, North Carolina
 S&ME Project No.: 23050230, Task Order 825DP-2

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
825-SB-81-5	Soil Cover Boring	36.02167	-78.89612	689579.42500	3988399.76500
825-SB-82-1	Soil Cover Boring	36.02177	-78.89589	689599.55500	3988411.38200
825-SB-82-2	Soil Cover Boring	36.02167	-78.89602	689588.37900	3988400.15300
825-SB-82-3	Soil Cover Boring	36.02187	-78.89603	689587.11700	3988421.92100
825-SB-82-4	Soil Cover Boring	36.02187	-78.89574	689613.16900	3988422.86400
825-SB-82-5	Soil Cover Boring	36.02169	-78.89578	689609.71900	3988402.42500
825-SB-83-1	Soil Cover Boring	36.02177	-78.89556	689629.70300	3988411.18700
825-SB-83-2	Soil Cover Boring	36.02166	-78.89567	689619.36300	3988398.95800
825-SB-83-3	Soil Cover Boring	36.02187	-78.89568	689618.66600	3988422.97700
825-SB-83-4	Soil Cover Boring	36.02188	-78.89543	689640.43800	3988424.03500
825-SB-83-5	Soil Cover Boring	36.02166	-78.89542	689642.15700	3988399.83300
825-SB-84-1	Soil Cover Boring	36.02176	-78.89521	689660.65400	3988411.62000
825-SB-84-2	Soil Cover Boring	36.02167	-78.89533	689650.49200	3988400.61600
825-SB-84-3	Soil Cover Boring	36.02187	-78.89509	689671.60800	3988423.65800
825-SB-84-4	Soil Cover Boring	36.02165	-78.89509	689672.30600	3988399.63800
825-SB-84-5	Soil Cover Boring	36.02184	-78.89528	689653.96300	3988420.03700
825-SB-85-1	Soil Cover Boring	36.02172	-78.89500	689679.47600	3988407.52600
825-SB-85-2	Soil Cover Boring	36.02166	-78.89489	689690.20900	3988400.61800
825-SB-86-1	Soil Cover Boring	36.02149	-78.89723	689479.06600	3988377.33400
825-SB-86-2	Soil Cover Boring	36.02157	-78.89736	689467.26800	3988386.46100
825-SB-86-3	Soil Cover Boring	36.02159	-78.89712	689488.82000	3988388.33000
825-SB-86-4	Soil Cover Boring	36.02138	-78.89730	689473.20500	3988365.19700
825-SB-86-5	Soil Cover Boring	36.02143	-78.89709	689492.64500	3988370.68800
825-SB-87-1	Soil Cover Boring	36.02148	-78.89691	689508.60800	3988376.92300
825-SB-87-2	Soil Cover Boring	36.02159	-78.89690	689508.95900	3988389.55900
825-SB-87-3	Soil Cover Boring	36.02138	-78.89690	689509.04100	3988365.73000
825-SB-87-4	Soil Cover Boring	36.02148	-78.89704	689496.79100	3988377.08800
825-SB-87-5	Soil Cover Boring	36.02150	-78.89676	689522.01100	3988378.82900
825-SB-88-1	Soil Cover Boring	36.02152	-78.89652	689543.32200	3988382.52600
825-SB-88-2	Soil Cover Boring	36.02139	-78.89668	689529.57100	3988367.78200
825-SB-88-3	Soil Cover Boring	36.02160	-78.89669	689528.29200	3988390.36400
825-SB-88-4	Soil Cover Boring	36.02138	-78.89643	689551.38400	3988366.80500
825-SB-89-1	Soil Cover Boring	36.02157	-78.89617	689574.57400	3988388.05600
825-SB-89-2	Soil Cover Boring	36.02161	-78.89632	689561.05000	3988392.05500
825-SB-89-3	Soil Cover Boring	36.02149	-78.89610	689581.27400	3988379.23200
825-SB-89-4	Soil Cover Boring	36.02139	-78.89633	689560.52900	3988367.80700
825-SB-90-1	Soil Cover Boring	36.02155	-78.89590	689598.84300	3988386.51900
825-SB-90-2	Soil Cover Boring	36.02139	-78.89588	689601.03600	3988369.04700
825-SB-90-3	Soil Cover Boring	36.02153	-78.89602	689588.09500	3988384.26100
825-SB-90-4	Soil Cover Boring	36.02151	-78.89574	689613.99700	3988382.55300
825-SB-90-5	Soil Cover Boring	36.02162	-78.89594	689595.83800	3988393.99300
825-SB-91-1	Soil Cover Boring	36.02149	-78.89554	689631.34100	3988381.07600
825-SB-91-2	Soil Cover Boring	36.02151	-78.89567	689620.30100	3988383.09000
825-SB-91-3	Soil Cover Boring	36.02150	-78.89540	689644.35800	3988381.95500
825-SB-91-4	Soil Cover Boring	36.02161	-78.89555	689630.67900	3988393.48700
825-SB-91-5	Soil Cover Boring	36.02138	-78.89554	689631.79900	3988368.66100
825-SB-92-1	Soil Cover Boring	36.02153	-78.89522	689660.18000	3988385.13100
825-SB-92-2	Soil Cover Boring	36.02149	-78.89534	689649.68100	3988380.63800
825-SB-92-3	Soil Cover Boring	36.02148	-78.89506	689674.72700	3988380.95000
825-SB-92-4	Soil Cover Boring	36.02138	-78.89526	689657.66400	3988368.78600
825-SB-93-1	Soil Cover Boring	36.02147	-78.89496	689684.52500	3988379.93000
825-SB-93-2	Soil Cover Boring	36.02145	-78.89482	689696.60000	3988377.12200
825-SB-93-3	Soil Cover Boring	36.02159	-78.89494	689685.48600	3988392.57700
825-SB-93-4	Soil Cover Boring	36.02138	-78.89496	689684.53500	3988369.54200
825-SB-94-1	Soil Cover Boring	36.02116	-78.89714	689488.57800	3988340.66400
825-SB-94-2	Soil Cover Boring	36.02132	-78.89717	689485.15200	3988358.72200
825-SB-95-1	Soil Cover Boring	36.02123	-78.89690	689510.00400	3988348.64100
825-SB-95-2	Soil Cover Boring	36.02131	-78.89691	689508.80100	3988357.57900
825-SB-95-3	Soil Cover Boring	36.02120	-78.89703	689498.25800	3988345.34400
825-SB-95-4	Soil Cover Boring	36.02121	-78.89676	689522.04000	3988347.66700
825-SB-95-5	Soil Cover Boring	36.02112	-78.89690	689510.45000	3988336.83700
825-SB-96-1	Soil Cover Boring	36.02121	-78.89657	689539.77500	3988347.01200
825-SB-96-2	Soil Cover Boring	36.02122	-78.89669	689528.34800	3988347.99900
825-SB-96-3	Soil Cover Boring	36.02133	-78.89655	689541.32200	3988360.89500
825-SB-96-4	Soil Cover Boring	36.02121	-78.89645	689550.36200	3988347.23000

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



APPENDIX I
 Coordinates of Selected Features
 Northgate Park, NONCD0000825
 Durham, Durham County, North Carolina
 S&ME Project No.: 23050230, Task Order 825DP-2

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
825-SB-96-5	Soil Cover Boring	36.02110	-78.89657	689539.81300	3988335.20000
825-SB-97-1	Soil Cover Boring	36.02122	-78.89623	689570.47500	3988349.68100
825-SB-97-2	Soil Cover Boring	36.02119	-78.89607	689584.38600	3988346.70700
825-SB-97-3	Soil Cover Boring	36.02111	-78.89621	689572.36800	3988336.88800
825-SB-97-4	Soil Cover Boring	36.02118	-78.89636	689558.75500	3988345.16200
825-SB-97-5	Soil Cover Boring	36.02134	-78.89629	689564.51900	3988361.98200
825-SB-98-1	Soil Cover Boring	36.02121	-78.89587	689602.26900	3988348.70500
825-SB-98-2	Soil Cover Boring	36.02121	-78.89574	689614.06900	3988349.35400
825-SB-98-3	Soil Cover Boring	36.02133	-78.89589	689600.97900	3988361.91700
825-SB-98-4	Soil Cover Boring	36.02111	-78.89583	689606.16800	3988337.37800
825-SB-99-1	Soil Cover Boring	36.02120	-78.89541	689643.81100	3988349.15100
825-SB-99-2	Soil Cover Boring	36.02131	-78.89541	689643.77500	3988360.76000
825-SB-99-3	Soil Cover Boring	36.02111	-78.89541	689644.22400	3988338.97500
825-SB-99-4	Soil Cover Boring	36.02131	-78.89568	689619.76000	3988339.85900
825-SB-100-1	Soil Cover Boring	36.02123	-78.89521	689662.08400	3988351.97100
825-SB-100-2	Soil Cover Boring	36.02134	-78.89519	689663.25300	3988364.41900
825-SB-100-3	Soil Cover Boring	36.02121	-78.89535	689649.50700	3988349.47200
825-SB-100-4	Soil Cover Boring	36.02110	-78.89520	689663.18700	3988337.94000
825-SB-100-5	Soil Cover Boring	36.02121	-78.89507	689674.93900	3988350.80900
825-SB-101-1	Soil Cover Boring	36.02122	-78.89497	689683.88000	3988351.80800
825-SB-101-2	Soil Cover Boring	36.02132	-78.89498	689683.04700	3988362.58600
825-SB-101-3	Soil Cover Boring	36.02111	-78.89496	689685.35700	3988339.41400
825-SB-102-1	Soil Cover Boring	36.02095	-78.89690	689510.43600	3988317.69100
825-SB-102-2	Soil Cover Boring	36.02083	-78.89690	689511.11200	3988304.67000
825-SB-102-3	Soil Cover Boring	36.02095	-78.89676	689522.84700	3988318.35300
825-SB-102-4	Soil Cover Boring	36.02095	-78.89703	689499.03100	3988317.66000
825-SB-102-5	Soil Cover Boring	36.02105	-78.89690	689510.60500	3988329.30400
825-SB-103-1	Soil Cover Boring	36.02094	-78.89656	689541.59400	3988317.92400
825-SB-103-2	Soil Cover Boring	36.02085	-78.89666	689532.65400	3988306.94500
825-SB-104-1	Soil Cover Boring	36.02093	-78.89622	689571.74700	3988317.52600
825-SB-104-2	Soil Cover Boring	36.02084	-78.89635	689560.14800	3988307.10300
825-SB-104-3	Soil Cover Boring	36.02084	-78.89608	689584.58300	3988307.40200
825-SB-104-4	Soil Cover Boring	36.02104	-78.89636	689558.67000	3988329.47800
825-SB-104-5	Soil Cover Boring	36.02104	-78.89611	689581.47200	3988329.94600
825-SB-105-1	Soil Cover Boring	36.02084	-78.89600	689592.32000	3988307.56000
825-SB-105-2	Soil Cover Boring	36.02100	-78.89602	689589.71200	3988325.43100
825-SB-105-3	Soil Cover Boring	36.02101	-78.89577	689612.48900	3988327.12100
825-SB-106-1	Soil Cover Boring	36.02092	-78.89559	689628.57800	3988317.26700
825-SB-106-2	Soil Cover Boring	36.02105	-78.89556	689631.34400	3988331.37800
825-SB-106-3	Soil Cover Boring	36.02083	-78.89557	689631.01500	3988307.74500
825-SB-107-1	Soil Cover Boring	36.02094	-78.89520	689663.48900	3988320.04600
825-SB-107-2	Soil Cover Boring	36.02106	-78.89521	689662.43600	3988333.19100
825-SB-107-3	Soil Cover Boring	36.02082	-78.89520	689663.88200	3988307.28000
825-SB-107-4	Soil Cover Boring	36.02094	-78.89534	689650.85100	3988319.78600
825-SB-107-5	Soil Cover Boring	36.02094	-78.89507	689675.46900	3988320.68400
825-SB-108-1	Soil Cover Boring	36.02094	-78.89494	689687.07600	3988320.40200
825-SB-108-2	Soil Cover Boring	36.02105	-78.89494	689687.20400	3988333.17800
825-SB-108-3	Soil Cover Boring	36.02083	-78.89493	689688.10400	3988308.42900
825-SB-109-1	Soil Cover Boring	36.02066	-78.89680	689520.54200	3988285.82300
825-SB-109-2	Soil Cover Boring	36.02078	-78.89680	689520.00800	3988299.10800
825-SB-110-1	Soil Cover Boring	36.02068	-78.89655	689542.39200	3988288.22700
825-SB-110-2	Soil Cover Boring	36.02077	-78.89646	689550.52000	3988298.69300
825-SB-110-3	Soil Cover Boring	36.02058	-78.89642	689554.32800	3988278.30500
825-SB-111-1	Soil Cover Boring	36.02067	-78.89622	689572.62200	3988288.84900
825-SB-111-2	Soil Cover Boring	36.02056	-78.89636	689560.37800	3988275.69200
825-SB-111-3	Soil Cover Boring	36.02078	-78.89634	689561.70200	3988300.09600
825-SB-111-4	Soil Cover Boring	36.02077	-78.89610	689583.34200	3988300.01900
825-SB-111-5	Soil Cover Boring	36.02056	-78.89610	689583.55800	3988276.82100
825-SB-112-1	Soil Cover Boring	36.02066	-78.89589	689602.49000	3988288.02900
825-SB-112-2	Soil Cover Boring	36.02078	-78.89590	689601.30700	3988301.17100
825-SB-112-3	Soil Cover Boring	36.02056	-78.89589	689602.85000	3988276.82600
825-SB-112-4	Soil Cover Boring	36.02066	-78.89602	689590.11100	3988287.77400
825-SB-112-5	Soil Cover Boring	36.02065	-78.89574	689615.40500	3988287.51300
825-SB-113-1	Soil Cover Boring	36.02062	-78.89558	689630.19600	3988284.55800
825-SB-113-2	Soil Cover Boring	36.02055	-78.89558	689630.49500	3988276.35100
825-SB-113-3	Soil Cover Boring	36.02073	-78.89570	689619.40900	3988295.67700
825-SB-113-4	Soil Cover Boring	36.02076	-78.89545	689641.75100	3988299.52500

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



APPENDIX I
 Coordinates of Selected Features
 Northgate Park, NONCD0000825
 Durham, Durham County, North Carolina
 S&ME Project No.: 23050230, Task Order 825DP-2

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
825-SB-114-1	Soil Cover Boring	36.02067	-78.89521	689663.85000	3988289.81200
825-SB-114-2	Soil Cover Boring	36.02066	-78.89506	689676.62700	3988289.68400
825-SB-114-3	Soil Cover Boring	36.02067	-78.89535	689650.41100	3988290.44800
825-SB-114-4	Soil Cover Boring	36.02078	-78.89521	689662.80100	3988302.82600
825-SB-114-5	Soil Cover Boring	36.02055	-78.89521	689663.45300	3988277.42000
825-SB-115-1	Soil Cover Boring	36.02066	-78.89492	689689.54000	3988289.29700
825-SB-115-2	Soil Cover Boring	36.02077	-78.89494	689687.97300	3988302.17000
825-SB-115-3	Soil Cover Boring	36.02055	-78.89493	689689.26900	3988277.16900
825-SB-116-1	Soil Cover Boring	36.02039	-78.89656	689542.43800	3988257.04100
825-SB-116-2	Soil Cover Boring	36.02050	-78.89657	689540.97800	3988268.62100
825-SB-116-3	Soil Cover Boring	36.02029	-78.89657	689541.86700	3988245.21600
825-SB-116-4	Soil Cover Boring	36.02039	-78.89667	689532.88600	3988256.03000
825-SB-116-5	Soil Cover Boring	36.02039	-78.89644	689553.04200	3988256.44400
825-SB-117-1	Soil Cover Boring	36.02040	-78.89623	689572.55300	3988258.47500
825-SB-117-2	Soil Cover Boring	36.02039	-78.89610	689584.37900	3988257.90400
825-SB-117-3	Soil Cover Boring	36.02040	-78.89634	689562.38200	3988257.85800
825-SB-117-4	Soil Cover Boring	36.02050	-78.89623	689572.33600	3988269.06200
825-SB-117-5	Soil Cover Boring	36.02029	-78.89622	689573.42000	3988246.06900
825-SB-118-1	Soil Cover Boring	36.02039	-78.89588	689603.52900	3988257.68600
825-SB-118-2	Soil Cover Boring	36.02049	-78.89590	689602.06900	3988269.26500
825-SB-118-3	Soil Cover Boring	36.02038	-78.89600	689592.74700	3988257.05700
825-SB-118-4	Soil Cover Boring	36.02039	-78.89576	689614.72700	3988257.91600
825-SB-118-5	Soil Cover Boring	36.02029	-78.89587	689604.57400	3988246.50500
825-SB-119-1	Soil Cover Boring	36.02039	-78.89555	689633.44400	3988258.91200
825-SB-119-2	Soil Cover Boring	36.02039	-78.89541	689645.87700	3988258.55700
825-SB-119-3	Soil Cover Boring	36.02051	-78.89556	689631.95900	3988271.71400
825-SB-119-4	Soil Cover Boring	36.02039	-78.89567	689622.25900	3988258.07100
825-SB-119-5	Soil Cover Boring	36.02029	-78.89558	689630.83300	3988247.24900
825-SB-120-1	Soil Cover Boring	36.02038	-78.89525	689660.95100	3988258.46000
825-SB-120-2	Soil Cover Boring	36.02050	-78.89519	689665.78500	3988270.98300
825-SB-120-3	Soil Cover Boring	36.02029	-78.89520	689665.64700	3988247.96500
825-SB-120-4	Soil Cover Boring	36.02039	-78.89509	689675.40200	3988258.96000
825-SB-121-1	Soil Cover Boring	36.02039	-78.89494	689688.63100	3988259.43500
825-SB-121-2	Soil Cover Boring	36.02049	-78.89495	689687.79400	3988270.41700
825-SB-121-3	Soil Cover Boring	36.02028	-78.89493	689689.48100	3988247.84300
825-SB-122-1	Soil Cover Boring	36.02005	-78.89645	689552.99000	3988219.37400
825-SB-122-2	Soil Cover Boring	36.02018	-78.89651	689547.61500	3988233.11400
825-SB-123-1	Soil Cover Boring	36.02011	-78.89623	689572.59600	3988226.70200
825-SB-123-2	Soil Cover Boring	36.02013	-78.89608	689586.41100	3988228.41200
825-SB-123-3	Soil Cover Boring	36.02024	-78.89618	689576.78600	3988240.84200
825-SB-123-4	Soil Cover Boring	36.02000	-78.89623	689573.25800	3988214.29100
825-SB-123-5	Soil Cover Boring	36.02011	-78.89636	689561.41900	3988225.45400
825-SB-124-1	Soil Cover Boring	36.02011	-78.89589	689603.55800	3988226.52400
825-SB-124-2	Soil Cover Boring	36.02000	-78.89602	689592.40400	3988214.27700
825-SB-124-3	Soil Cover Boring	36.02000	-78.89575	689616.42800	3988214.77100
825-SB-124-4	Soil Cover Boring	36.02021	-78.89576	689615.34100	3988237.96900
825-SB-124-5	Soil Cover Boring	36.02022	-78.89601	689592.50000	3988239.33200
825-SB-125-1	Soil Cover Boring	36.02013	-78.89556	689633.64900	3988229.17900
825-SB-125-2	Soil Cover Boring	36.02001	-78.89568	689622.91800	3988216.12600
825-SB-125-3	Soil Cover Boring	36.02001	-78.89541	689646.74700	3988216.20900
825-SB-125-4	Soil Cover Boring	36.02022	-78.89568	689621.82600	3988239.52700
825-SB-125-5	Soil Cover Boring	36.02022	-78.89543	689645.04400	3988239.59700
825-SB-126-1	Soil Cover Boring	36.02013	-78.89519	689666.82100	3988230.47200
825-SB-126-2	Soil Cover Boring	36.02002	-78.89532	689654.86200	3988217.80200
825-SB-126-3	Soil Cover Boring	36.02021	-78.89510	689674.17500	3988239.38100
825-SB-126-4	Soil Cover Boring	36.02003	-78.89507	689677.21900	3988220.09500
825-SB-127-1	Soil Cover Boring	36.02010	-78.89494	689689.28800	3988227.47100
825-SB-127-2	Soil Cover Boring	36.02023	-78.89495	689688.17600	3988241.91000
825-SB-127-3	Soil Cover Boring	36.02001	-78.89494	689689.09000	3988217.28300
825-SB-128-1	Soil Cover Boring	36.01984	-78.89622	689574.45000	3988195.98400
825-SB-128-2	Soil Cover Boring	36.01995	-78.89636	689561.97400	3988208.35700
825-SB-128-3	Soil Cover Boring	36.01995	-78.89609	689585.59900	3988208.43400
825-SB-128-4	Soil Cover Boring	36.01974	-78.89626	689571.22200	3988184.51300
825-SB-128-5	Soil Cover Boring	36.01974	-78.89611	689584.84600	3988185.60700
825-SB-129-1	Soil Cover Boring	36.01983	-78.89585	689607.65200	3988195.85300
825-SB-129-2	Soil Cover Boring	36.01974	-78.89602	689592.99000	3988185.77400

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



APPENDIX I
 Coordinates of Selected Features
 Northgate Park, NONCD0000825
 Durham, Durham County, North Carolina
 S&ME Project No.: 23050230, Task Order 825DP-2

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
825-SB-129-3	Soil Cover Boring	36.01973	-78.89575	689617.45100	3988184.85100
825-SB-129-4	Soil Cover Boring	36.01994	-78.89601	689592.73800	3988207.97000
825-SB-129-5	Soil Cover Boring	36.01995	-78.89577	689614.51000	3988209.02900
825-SB-130-1	Soil Cover Boring	36.01985	-78.89555	689635.09100	3988198.65600
825-SB-130-2	Soil Cover Boring	36.01973	-78.89569	689622.14100	3988184.54100
825-SB-130-3	Soil Cover Boring	36.01973	-78.89543	689646.15300	3988185.64600
825-SB-130-4	Soil Cover Boring	36.01994	-78.89542	689646.48600	3988209.07500
825-SB-130-5	Soil Cover Boring	36.01996	-78.89569	689621.81300	3988210.40100
825-SB-131-1	Soil Cover Boring	36.01984	-78.89521	689665.66300	3988197.65600
825-SB-131-2	Soil Cover Boring	36.01993	-78.89533	689654.44300	3988208.42400
825-SB-131-3	Soil Cover Boring	36.01992	-78.89512	689673.81000	3988207.60000
825-SB-131-4	Soil Cover Boring	36.01974	-78.89534	689653.67400	3988186.41100
825-SB-131-5	Soil Cover Boring	36.01974	-78.89507	689677.90100	3988186.90900
825-SB-132-1	Soil Cover Boring	36.01975	-78.89499	689685.61200	3988188.29000
825-SB-132-2	Soil Cover Boring	36.01995	-78.89490	689693.09300	3988210.84800
825-SB-133-1	Soil Cover Boring	36.01950	-78.89610	689586.00600	3988158.94900
825-SB-133-2	Soil Cover Boring	36.01966	-78.89614	689582.39300	3988176.18800
825-SB-134-1	Soil Cover Boring	36.01956	-78.89588	689605.62000	3988165.87000
825-SB-134-2	Soil Cover Boring	36.01947	-78.89599	689595.63700	3988156.09200
825-SB-134-3	Soil Cover Boring	36.01967	-78.89601	689593.97200	3988177.64800
825-SB-134-4	Soil Cover Boring	36.01967	-78.89577	689615.75200	3988178.29900
825-SB-134-5	Soil Cover Boring	36.01947	-78.89576	689617.23500	3988155.72000
825-SB-135-1	Soil Cover Boring	36.01955	-78.89554	689635.97600	3988165.47500
825-SB-135-2	Soil Cover Boring	36.01946	-78.89568	689624.38600	3988154.64600
825-SB-135-3	Soil Cover Boring	36.01968	-78.89567	689624.07800	3988179.48800
825-SB-135-4	Soil Cover Boring	36.01967	-78.89542	689646.69800	3988178.93500
825-SB-135-5	Soil Cover Boring	36.01946	-78.89544	689645.95000	3988155.90400
825-SB-136-1	Soil Cover Boring	36.01961	-78.89521	689665.98300	3988172.20300
825-SB-136-2	Soil Cover Boring	36.01948	-78.89530	689658.12400	3988158.19100
825-SB-136-3	Soil Cover Boring	36.01950	-78.89508	689678.44900	3988160.23900
825-SB-136-4	Soil Cover Boring	36.01967	-78.89508	689677.64400	3988179.57100
825-SB-136-5	Soil Cover Boring	36.01967	-78.89531	689656.46600	3988179.34000
825-SB-137-1	Soil Cover Boring	36.01950	-78.89496	689688.62100	3988160.85500
825-SB-137-2	Soil Cover Boring	36.01966	-78.89495	689689.47800	3988178.59300
825-SB-138-1	Soil Cover Boring	36.01941	-78.89596	689598.64200	3988148.61700
825-SB-138-2	Soil Cover Boring	36.01932	-78.89600	689595.36900	3988139.38400
825-SB-138-3	Soil Cover Boring	36.01941	-78.89577	689616.14300	3988149.38500

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

Appendix II – Field Notes / Boring Logs

BORING LOG

Project Name: Northgate Park
Job No. 23050630

Boring Number: 825-SB-01
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry, plastic waste at 6-in	1.4	825-SB-01	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-02
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	4.7	825-SB-02	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-03
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	3.4	825-SB-03	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-04
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown sandy clay, dry	0.0	825-SB-04	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-05
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown silty clay, dry	5.7	825-SB-05	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-06
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
		light brown sandy clay, moist	0.8	825-SB-06	
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-07
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
		orange-brown clayey sand, moist	0.0	825-SB-07	
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-08
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
		light brown clayey sand, moist	4.8	825-SB-08	

Notes:

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

Boring Number: 825-SB-09
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown clayey sand, moist	0.0	825-SB-09	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-10
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown clayey sand, moist	0.0	825-SB-10	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-11
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown clayey sand, moist	0.0	825-SB-11	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-12
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown silty sand, moist	3.0	825-SB-12	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-13
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clayey sand, dry	0.0	825-SB-13	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-14
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clayey sand, dry	0.0	825-SB-14	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-15
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
		orange-brown, clayey sand, moist	0.0	825-SB-15	

Notes:

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

Boring Number: 825-SB-16
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	orange-brown, clayey sand, moist	0.0	825-SB-16	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-17
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown silty sand, moist	0.0	825-SB-17	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-18
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clay, moist	0.0	825-SB-18	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-19
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clay, moist	0.0	825-SB-19	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-20
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, moist	0.3	825-SB-20	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-21
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	orange brown silty sand, moist	0.0	825-SB-21	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-22
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	orange brown silty sand, moist	0.1	825-SB-22	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-23
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown silty sand, moist	0.0	825-SB-23	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-24
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
		light brown silty sand, moist	0.0	825-SB-24	

Notes:

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

Boring Number: 825-SB-25
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
		dark brown clay, moist	0.0	825-SB-25	

Notes:

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

Boring Number: 825-SB-26
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, moist	10.4	825-SB-26	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-27
Sampling Personnel: Chelsea Parra
Date Drilled: 1/11/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, moist	0.0	825-SB-27	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-28
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.8	825-SB-28	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-29
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown silty sand, moist, glass waste at 6-in	4.7	825-SB-29	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-30
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	0.0	825-SB-30	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-31
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clay, moist	1.0	825-SB-31	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-32
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clay, moist, brick waste at 6-in	0.0	825-SB-32	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-33
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, moist	1.7	825-SB-33	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-34
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, moist	8.1	825-SB-34	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-35
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, moist	3.1	825-SB-35	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-36
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown clayey sand, moist	1.2	825-SB-36	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-37
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clay, moist	2.1	825-SB-37	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-38
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clay, moist	0.7	825-SB-38	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-39
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, moist	2.0	825-SB-39	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-40
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, moist	6.8	825-SB-40	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-41
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown silty sand, moist	7.1	825-SB-41	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-42
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, moist	0.5	825-SB-42	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-43
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	orange-brown clayey sand, moist	1.0	825-SB-43	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-44
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	orange-brown clayey sand, moist	4.0	825-SB-44	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-45
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, moist	0.0	825-SB-45	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-46
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, moist	29.1	825-SB-46	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-47
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clay, moist	3.4	825-SB-47	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-48
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clay, moist	2.5	825-SB-48	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-49
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clay, moist	2.7	825-SB-49	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-50
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown, sandy clay, moist	1.0	825-SB-50	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-51
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	orange-brown clayey sand, moist	38.4	825-SB-51	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-52
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	orange-brown clayey sand, moist	1.0	825-SB-52	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-53
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	orange-brown clayey sand, moist	2.3	825-SB-53	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-54
Sampling Personnel: Chelsea Parra
Date Drilled: 1/12/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	orange-brown clayey sand, moist	0.0	825-SB-54	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-55
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	825-SB-55	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-56
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	0.0	825-SB-56	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-57
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	2.0	825-SB-57	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-58
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	0.0	825-SB-58	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-59
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	0.0	825-SB-59	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-60
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	11.0	825-SB-60	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-61
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown silty clay, dry	17.5	825-SB-61	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-62
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown silty clay, dry	0.2	825-SB-62	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-63
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown silty clay, dry	0.0	825-SB-63	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-64
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown silty clay, dry	1.0	825-SB-64	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-65
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	5.5	825-SB-65	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			
				DUP-SB collected here	

Notes:

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

Boring Number: 825-SB-66
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.5	825-SB-66	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-67
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	grayish brown clay, moist	0.0	825-SB-67	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-68
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry, glass waste at 3-in	9.1	825-SB-68	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-69
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry, glass and porcelain waste at 3-in	0.0	825-SB-69	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-70
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	825-SB-70	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-71
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	825-SB-71	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-72
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown clayey sand, dry	4.8	825-SB-72	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-73
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.5	825-SB-73	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-74
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown sandy clay, dry, glass waste at 1-in	0.5	825-SB-74	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-75
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry, glass waste at 3-in	0.0	825-SB-75	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-76
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry, glass, porcelain, and plastic waste at 6-in	0.0	825-SB-76	0 - 12
<i>Boring terminated at 12 in. bgs.</i>					

Notes:

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

Boring Number: 825-SB-77
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	825-SB-77	0 - 12
<i>Boring terminated at 12 in. bgs.</i>					

Notes:

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

Boring Number: 825-SB-78
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	825-SB-78	0 - 12
<i>Boring terminated at 12 in. bgs.</i>					

Notes:

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

Boring Number: 825-SB-79
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	825-SB-79	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-80
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	825-SB-80	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-81
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry, glass waste at 3-in	0.0	825-SB-81	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-82
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry, brick waste at 6-in	0.0	825-SB-82	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-83
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry. Brick and glass waste at 3-in	0.0	825-SB-83	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-84
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry, brick and glass waste at 6-in	1.2	825-SB-84	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-85
Sampling Personnel: Chelsea Parra
Date Drilled: 12/28/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry, brick waste at 6-in	0.0	825-SB-85	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-86
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	9.1	825-SB-86	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-87
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	29.4	825-SB-87	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-88
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	2.5	825-SB-88	0 - 12
<i>Boring terminated at 12 in. bgs.</i>					

Notes:

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

Boring Number: 825-SB-89
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	0.5	825-SB-89	0 - 12
<i>Boring terminated at 12 in. bgs.</i>					

Notes:

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

Boring Number: 825-SB-90
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry, glass waste at 4-in	0.0	825-SB-90	0 - 12
<i>Boring terminated at 12 in. bgs.</i>					

Notes:

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

Boring Number: 825-SB-91
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	8.9	825-SB-91	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-92
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry, glass waste at 3-in	0.0	825-SB-92	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-93
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown clayey sand, dry	3.2	825-SB-93	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-94
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown sandy clay, dry	47.8	825-SB-94	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-95
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown sandy clay, dry	7.1	825-SB-95	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-96
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown sandy clay, dry	4.0	825-SB-96	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-97
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	8.7	825-SB-97	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-98
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	825-SB-98	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-99
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry, glass waste at 6-in	13.2	825-SB-99	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-100
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	0.0	825-SB-100	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-101
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry, glass waste at 3-in	0.0	825-SB-101	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-102
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	1.5	825-SB-102	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-103
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	22.2	825-SB-103	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-104
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	5.4	825-SB-104	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-105
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clayey sand, dry	0.9	825-SB-105	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-106
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clayey sand, dry	6.7	825-SB-106	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-107
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown sandy clay, dry	0.0	825-SB-107	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-108
Sampling Personnel: Chelsea Parra
Date Drilled: 1/4/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown sandy clay, dry	0.0	825-SB-108	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-109
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	0.0	825-SB-109	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-110
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	4.2	825-SB-110	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-111
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown sandy clay, dry	0.4	825-SB-111	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-112
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	0.0	825-SB-112	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-113
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	0.0	825-SB-113	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-114
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown clayey sand, dry	0.0	825-SB-114	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-115
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown sandy clay, dry	0.0	825-SB-115	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-116
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry, glass and porcelain waste at 6-in	2.0	825-SB-116	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-117
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	0.0	825-SB-117	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-118
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clayey sand, dry, glass at 6-in	0.0	825-SB-118	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-119
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clayey sand, dry	4.7	825-SB-119	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-120
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown clayey sand, dry	0.0	825-SB-120	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-121
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown sandy clay, dry	0.0	825-SB-121	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-122
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	0.5	825-SB-122	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-123
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, moist	0.0	825-SB-124	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-124
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown clay, moist	0.8	825-SB-124	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-125
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clayey sand, dry, glass and rubber waste at 12-in	0.0	825-SB-125	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-126
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clayey sand, dry	0.0	825-SB-126	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-127
Sampling Personnel: Chelsea Parra
Date Drilled: 1/5/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clayey sand, moist	0.0	825-SB-127	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-128
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown clayey sand, moist, glass waste at 3-in	0.0	825-SB-128	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-129
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown sandy clay, dry	0.0	825-SB-129	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-130
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	1.2	825-SB-130	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-131
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown sandy clay, dry	0.0	825-SB-131	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-132
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	light brown clayey sand, dry	0.0	825-SB-132	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-133
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	2.3	825-SB-133	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-134
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	825-SB-134	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-135
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clayey sand, dry	0.0	825-SB-130	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-136
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clayey sand, dry	0.0	825-SB-136	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-137
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown clayey sand, moist	0.0	825-SB-137	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Boring Number: 825-SB-138
Sampling Personnel: Chelsea Parra
Date Drilled: 1/8/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	dark brown topsoil, dry, glass waste at 3-in	0.0	825-SB-138	0 - 12
		<i>Boring terminated at 12 in. bgs.</i>			

Notes:

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

Appendix III- Laboratory Reports and Chains of Custody

S&ME Inc. - Raleigh NC

Sample Delivery Group: L1692209
Samples Received: 12/29/2023
Project Number: 23050630
Description: Northgate Park

Report To: Mr. Jerry Paul
3201 Spring Forest Road
Raleigh, NC 27616

Entire Report Reviewed By:



Shane Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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

SAMPLE SUMMARY

825-SB-65 L1692209-01 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 14:30
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2198543	1	12/30/23 09:50	12/30/23 10:11	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 09:09	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198641	1	12/30/23 13:06	12/31/23 11:47	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/04/24 16:12	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/05/24 14:28	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200382	1	12/28/23 14:30	01/04/24 02:02	KSD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198672	1	12/31/23 06:01	01/02/24 13:16	JCH	Mt. Juliet, TN



825-SB-66 L1692209-02 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 14:35
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2198543	1	12/30/23 09:50	12/30/23 10:11	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 09:15	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198641	1	12/30/23 13:06	12/31/23 11:49	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/04/24 16:15	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/05/24 14:31	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200382	1	12/28/23 14:35	01/04/24 02:21	KSD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198672	1	12/31/23 06:01	01/02/24 14:36	JCH	Mt. Juliet, TN

825-SB-67 L1692209-03 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 14:40
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2198543	1	12/30/23 09:50	12/30/23 10:11	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 09:27	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198641	1	12/30/23 13:06	12/31/23 11:52	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/04/24 16:18	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/05/24 14:35	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200382	1.04	12/28/23 14:40	01/04/24 02:39	KSD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198672	1	12/31/23 06:01	01/02/24 13:36	JCH	Mt. Juliet, TN

825-SB-68 L1692209-04 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 11:45
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199118	1	01/02/24 08:26	01/02/24 08:31	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 09:33	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198641	1	12/30/23 13:06	12/31/23 11:54	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/04/24 16:22	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/05/24 14:38	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200382	1.27	12/28/23 11:45	01/04/24 02:58	KSD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198672	1	12/31/23 06:01	01/02/24 13:56	JCH	Mt. Juliet, TN

825-SB-69 L1692209-05 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 11:50
 Received date/time 12/29/23 09:00

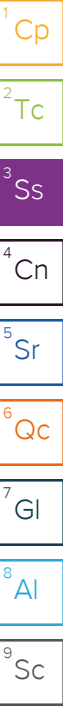
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199118	1	01/02/24 08:26	01/02/24 08:31	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 09:39	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198641	1	12/30/23 13:06	12/31/23 12:08	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	10	01/01/24 11:49	01/04/24 17:30	LD	Mt. Juliet, TN

SAMPLE SUMMARY

825-SB-69 L1692209-05 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 11:50
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/04/24 16:25	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/05/24 14:41	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200382	1	12/28/23 11:50	01/04/24 03:17	KSD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198672	1	12/31/23 06:01	01/02/24 14:16	JCH	Mt. Juliet, TN



825-SB-70 L1692209-06 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 13:20
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199118	1	01/02/24 08:26	01/02/24 08:31	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 09:46	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198957	1	12/31/23 12:38	01/03/24 09:50	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/04/24 16:28	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/05/24 14:45	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200463	1	12/28/23 13:20	01/04/24 04:10	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2201583	1	12/28/23 13:20	01/05/24 17:03	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198815	1	01/02/24 09:13	01/03/24 02:34	HLA	Mt. Juliet, TN

825-SB-71 L1692209-07 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 11:55
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199118	1	01/02/24 08:26	01/02/24 08:31	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 09:52	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198957	1	12/31/23 12:38	01/03/24 09:52	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/04/24 16:32	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/05/24 14:48	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200463	1	12/28/23 11:55	01/04/24 04:30	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2201583	1	12/28/23 11:55	01/05/24 17:23	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198815	1	01/02/24 09:13	01/03/24 04:34	HLA	Mt. Juliet, TN

825-SB-72 L1692209-08 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 11:30
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199118	1	01/02/24 08:26	01/02/24 08:31	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 10:10	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198641	1	12/30/23 13:06	12/31/23 12:10	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/04/24 16:46	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/05/24 14:51	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200463	1.18	12/28/23 11:30	01/04/24 04:49	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2201583	1.18	12/28/23 11:30	01/05/24 17:42	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198815	1	01/02/24 09:13	01/03/24 06:55	HLA	Mt. Juliet, TN

DUP-SB L1692209-09 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 00:00
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199120	1	01/02/24 08:32	01/02/24 08:38	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 10:41	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198641	1	12/30/23 13:06	12/31/23 12:13	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/04/24 16:49	LD	Mt. Juliet, TN

SAMPLE SUMMARY

DUP-SB L1692209-09 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 00:00
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/05/24 14:55	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200463	1	12/28/23 00:00	01/04/24 05:08	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2201583	1	12/28/23 00:00	01/05/24 18:02	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198815	1	01/02/24 09:13	01/03/24 06:35	HLA	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

TRIP BLANK L1692209-10 GW

Collected by Chelsea Parra
 Collected date/time 12/28/23 00:00
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2198980	1	01/01/24 06:05	01/01/24 06:05	DYW	Mt. Juliet, TN

5 Sr

6 Qc

825-SB-73 L1692209-11 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 11:35
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199120	1	01/02/24 08:32	01/02/24 08:38	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 10:48	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198641	1	12/30/23 13:06	12/31/23 12:15	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/04/24 16:52	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198559	5	01/01/24 11:49	01/05/24 14:58	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200463	1	12/28/23 11:35	01/04/24 05:27	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2201583	1	12/28/23 11:35	01/05/24 18:22	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198815	1	01/02/24 09:13	01/03/24 04:14	HLA	Mt. Juliet, TN

7 Gl

8 Al

9 Sc

825-SB-74 L1692209-12 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 11:05
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199120	1	01/02/24 08:32	01/02/24 08:38	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 10:54	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198641	1	12/30/23 13:06	12/31/23 12:18	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198562	5	01/01/24 22:10	01/04/24 02:03	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198562	50	01/01/24 22:10	01/04/24 10:59	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200463	1.16	12/28/23 11:05	01/04/24 05:47	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2201583	1.16	12/28/23 11:05	01/05/24 18:41	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198815	1	01/02/24 09:13	01/03/24 02:54	HLA	Mt. Juliet, TN

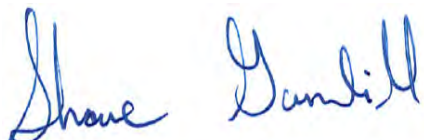
825-SB-75 L1692209-13 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 11:00
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199120	1	01/02/24 08:32	01/02/24 08:38	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 11:00	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198957	1	12/31/23 12:38	01/03/24 10:00	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198562	5	01/01/24 22:10	01/04/24 02:06	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198562	50	01/01/24 22:10	01/04/24 11:03	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200463	1.57	12/28/23 11:00	01/04/24 06:06	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2201583	1.57	12/28/23 11:00	01/05/24 19:01	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198815	1	01/02/24 09:13	01/03/24 03:34	HLA	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.



Shane Gambill
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.7		1	12/30/2023 10:11	WG2198543

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.30	1	01/04/2024 09:09	WG2199071

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0521	1	12/31/2023 11:47	WG2198641

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.91	5	01/05/2024 14:28	WG2198559
Arsenic	ND		1.30	5	01/04/2024 16:12	WG2198559
Barium	27.4		3.26	5	01/04/2024 16:12	WG2198559
Beryllium	ND		3.26	5	01/04/2024 16:12	WG2198559
Cadmium	ND		1.30	5	01/04/2024 16:12	WG2198559
Chromium	ND		6.51	5	01/04/2024 16:12	WG2198559
Cobalt	3.97		1.30	5	01/04/2024 16:12	WG2198559
Copper	ND		6.51	5	01/04/2024 16:12	WG2198559
Lead	11.1		2.61	5	01/04/2024 16:12	WG2198559
Manganese	180		3.26	5	01/04/2024 16:12	WG2198559
Nickel	3.73		3.26	5	01/04/2024 16:12	WG2198559
Selenium	ND		3.26	5	01/04/2024 16:12	WG2198559
Silver	ND		0.651	5	01/04/2024 16:12	WG2198559
Thallium	ND		2.61	5	01/04/2024 16:12	WG2198559
Vanadium	7.19		3.26	5	01/04/2024 16:12	WG2198559
Zinc	ND		32.6	5	01/04/2024 16:12	WG2198559

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0827	1	01/04/2024 02:02	WG2200382
Acrylonitrile	ND		0.0207	1	01/04/2024 02:02	WG2200382
Benzene	ND		0.00165	1	01/04/2024 02:02	WG2200382
Bromobenzene	ND		0.0207	1	01/04/2024 02:02	WG2200382
Bromodichloromethane	ND		0.00414	1	01/04/2024 02:02	WG2200382
Bromoform	ND		0.0414	1	01/04/2024 02:02	WG2200382
Bromomethane	ND		0.0207	1	01/04/2024 02:02	WG2200382
n-Butylbenzene	ND		0.0207	1	01/04/2024 02:02	WG2200382
sec-Butylbenzene	ND		0.0207	1	01/04/2024 02:02	WG2200382
tert-Butylbenzene	ND		0.00827	1	01/04/2024 02:02	WG2200382
Carbon tetrachloride	ND		0.00827	1	01/04/2024 02:02	WG2200382
Chlorobenzene	ND		0.00414	1	01/04/2024 02:02	WG2200382
Chlorodibromomethane	ND		0.00414	1	01/04/2024 02:02	WG2200382
Chloroethane	ND		0.00827	1	01/04/2024 02:02	WG2200382
Chloroform	ND		0.00414	1	01/04/2024 02:02	WG2200382
Chloromethane	ND		0.0207	1	01/04/2024 02:02	WG2200382
2-Chlorotoluene	ND		0.00414	1	01/04/2024 02:02	WG2200382
4-Chlorotoluene	ND		0.00827	1	01/04/2024 02:02	WG2200382
1,2-Dibromo-3-Chloropropane	ND		0.0414	1	01/04/2024 02:02	WG2200382

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00414	1	01/04/2024 02:02	WG2200382
Dibromomethane	ND		0.00827	1	01/04/2024 02:02	WG2200382
1,2-Dichlorobenzene	ND		0.00827	1	01/04/2024 02:02	WG2200382
1,3-Dichlorobenzene	ND		0.00827	1	01/04/2024 02:02	WG2200382
1,4-Dichlorobenzene	ND		0.00827	1	01/04/2024 02:02	WG2200382
Dichlorodifluoromethane	ND		0.00827	1	01/04/2024 02:02	WG2200382
1,1-Dichloroethane	ND		0.00414	1	01/04/2024 02:02	WG2200382
1,2-Dichloroethane	ND		0.00414	1	01/04/2024 02:02	WG2200382
1,1-Dichloroethene	ND		0.00414	1	01/04/2024 02:02	WG2200382
cis-1,2-Dichloroethene	ND		0.00414	1	01/04/2024 02:02	WG2200382
trans-1,2-Dichloroethene	ND		0.00827	1	01/04/2024 02:02	WG2200382
1,2-Dichloropropane	ND		0.00827	1	01/04/2024 02:02	WG2200382
1,1-Dichloropropene	ND		0.00414	1	01/04/2024 02:02	WG2200382
1,3-Dichloropropane	ND		0.00827	1	01/04/2024 02:02	WG2200382
cis-1,3-Dichloropropene	ND		0.00414	1	01/04/2024 02:02	WG2200382
trans-1,3-Dichloropropene	ND		0.00827	1	01/04/2024 02:02	WG2200382
2,2-Dichloropropane	ND		0.00414	1	01/04/2024 02:02	WG2200382
Di-isopropyl ether	ND		0.00165	1	01/04/2024 02:02	WG2200382
Ethylbenzene	ND		0.00414	1	01/04/2024 02:02	WG2200382
Hexachloro-1,3-butadiene	ND		0.0414	1	01/04/2024 02:02	WG2200382
Isopropylbenzene	ND		0.00414	1	01/04/2024 02:02	WG2200382
p-Isopropyltoluene	0.0258		0.00827	1	01/04/2024 02:02	WG2200382
2-Butanone (MEK)	ND		0.165	1	01/04/2024 02:02	WG2200382
Methylene Chloride	ND		0.0414	1	01/04/2024 02:02	WG2200382
4-Methyl-2-pentanone (MIBK)	ND		0.0414	1	01/04/2024 02:02	WG2200382
Methyl tert-butyl ether	ND		0.00165	1	01/04/2024 02:02	WG2200382
Naphthalene	ND		0.0207	1	01/04/2024 02:02	WG2200382
n-Propylbenzene	ND		0.00827	1	01/04/2024 02:02	WG2200382
Styrene	ND		0.0207	1	01/04/2024 02:02	WG2200382
1,1,1,2-Tetrachloroethane	ND		0.00414	1	01/04/2024 02:02	WG2200382
1,1,2,2-Tetrachloroethane	ND		0.00414	1	01/04/2024 02:02	WG2200382
Tetrachloroethene	ND		0.00414	1	01/04/2024 02:02	WG2200382
Toluene	ND		0.00827	1	01/04/2024 02:02	WG2200382
1,2,3-Trichlorobenzene	ND		0.0207	1	01/04/2024 02:02	WG2200382
1,2,4-Trichlorobenzene	ND		0.0207	1	01/04/2024 02:02	WG2200382
1,1,1-Trichloroethane	ND		0.00414	1	01/04/2024 02:02	WG2200382
1,1,2-Trichloroethane	ND		0.00414	1	01/04/2024 02:02	WG2200382
Trichloroethene	ND		0.00165	1	01/04/2024 02:02	WG2200382
Trichlorofluoromethane	ND		0.00414	1	01/04/2024 02:02	WG2200382
1,2,3-Trichloropropane	ND		0.0207	1	01/04/2024 02:02	WG2200382
1,2,4-Trimethylbenzene	ND		0.00827	1	01/04/2024 02:02	WG2200382
1,3,5-Trimethylbenzene	ND		0.00827	1	01/04/2024 02:02	WG2200382
Vinyl chloride	ND		0.00414	1	01/04/2024 02:02	WG2200382
Xylenes, Total	ND		0.0108	1	01/04/2024 02:02	WG2200382
(S) Toluene-d8	104		75.0-131		01/04/2024 02:02	WG2200382
(S) 4-Bromofluorobenzene	99.7		67.0-138		01/04/2024 02:02	WG2200382
(S) 1,2-Dichloroethane-d4	89.3		70.0-130		01/04/2024 02:02	WG2200382

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0434	1	01/02/2024 13:16	WG2198672
Acenaphthylene	ND		0.0434	1	01/02/2024 13:16	WG2198672
Anthracene	ND		0.0434	1	01/02/2024 13:16	WG2198672
Benzidine	ND		2.18	1	01/02/2024 13:16	WG2198672
Benzo(a)anthracene	ND		0.0434	1	01/02/2024 13:16	WG2198672

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0459		0.0434	1	01/02/2024 13:16	WG2198672
Benzo(k)fluoranthene	ND		0.0434	1	01/02/2024 13:16	WG2198672
Benzo(g,h,i)perylene	ND		0.0434	1	01/02/2024 13:16	WG2198672
Benzo(a)pyrene	ND		0.0434	1	01/02/2024 13:16	WG2198672
Bis(2-chloroethoxy)methane	ND		0.434	1	01/02/2024 13:16	WG2198672
Bis(2-chloroethyl)ether	ND		0.434	1	01/02/2024 13:16	WG2198672
2,2-Oxybis(1-Chloropropane)	ND		0.434	1	01/02/2024 13:16	WG2198672
4-Bromophenyl-phenylether	ND		0.434	1	01/02/2024 13:16	WG2198672
2-Chloronaphthalene	ND		0.0434	1	01/02/2024 13:16	WG2198672
4-Chlorophenyl-phenylether	ND		0.434	1	01/02/2024 13:16	WG2198672
Chrysene	ND		0.0434	1	01/02/2024 13:16	WG2198672
Dibenz(a,h)anthracene	ND		0.0434	1	01/02/2024 13:16	WG2198672
3,3-Dichlorobenzidine	ND		0.434	1	01/02/2024 13:16	WG2198672
2,4-Dinitrotoluene	ND		0.434	1	01/02/2024 13:16	WG2198672
2,6-Dinitrotoluene	ND		0.434	1	01/02/2024 13:16	WG2198672
Fluoranthene	0.0654		0.0434	1	01/02/2024 13:16	WG2198672
Fluorene	ND		0.0434	1	01/02/2024 13:16	WG2198672
Hexachlorobenzene	ND		0.434	1	01/02/2024 13:16	WG2198672
Hexachloro-1,3-butadiene	ND		0.434	1	01/02/2024 13:16	WG2198672
Hexachlorocyclopentadiene	ND		0.434	1	01/02/2024 13:16	WG2198672
Hexachloroethane	ND		0.434	1	01/02/2024 13:16	WG2198672
Indeno(1,2,3-cd)pyrene	ND		0.0434	1	01/02/2024 13:16	WG2198672
Isophorone	ND		0.434	1	01/02/2024 13:16	WG2198672
Naphthalene	ND		0.0434	1	01/02/2024 13:16	WG2198672
Nitrobenzene	ND		0.434	1	01/02/2024 13:16	WG2198672
n-Nitrosodimethylamine	ND		0.434	1	01/02/2024 13:16	WG2198672
n-Nitrosodiphenylamine	ND		0.434	1	01/02/2024 13:16	WG2198672
n-Nitrosodi-n-propylamine	ND		0.434	1	01/02/2024 13:16	WG2198672
Phenanthrene	ND		0.0434	1	01/02/2024 13:16	WG2198672
Benzylbutyl phthalate	ND		0.434	1	01/02/2024 13:16	WG2198672
Bis(2-ethylhexyl)phthalate	ND		0.434	1	01/02/2024 13:16	WG2198672
Di-n-butyl phthalate	ND		0.434	1	01/02/2024 13:16	WG2198672
Diethyl phthalate	ND		0.434	1	01/02/2024 13:16	WG2198672
Dimethyl phthalate	ND		0.434	1	01/02/2024 13:16	WG2198672
Di-n-octyl phthalate	ND		0.434	1	01/02/2024 13:16	WG2198672
Pyrene	0.0525		0.0434	1	01/02/2024 13:16	WG2198672
1,2,4-Trichlorobenzene	ND		0.434	1	01/02/2024 13:16	WG2198672
4-Chloro-3-methylphenol	ND		0.434	1	01/02/2024 13:16	WG2198672
2-Chlorophenol	ND		0.434	1	01/02/2024 13:16	WG2198672
2,4-Dichlorophenol	ND		0.434	1	01/02/2024 13:16	WG2198672
2,4-Dimethylphenol	ND		0.434	1	01/02/2024 13:16	WG2198672
4,6-Dinitro-2-methylphenol	ND		0.434	1	01/02/2024 13:16	WG2198672
2,4-Dinitrophenol	ND		0.434	1	01/02/2024 13:16	WG2198672
2-Nitrophenol	ND		0.434	1	01/02/2024 13:16	WG2198672
4-Nitrophenol	ND		0.434	1	01/02/2024 13:16	WG2198672
Pentachlorophenol	ND		0.434	1	01/02/2024 13:16	WG2198672
Phenol	ND		0.434	1	01/02/2024 13:16	WG2198672
2,4,6-Trichlorophenol	ND		0.434	1	01/02/2024 13:16	WG2198672
(S) 2-Fluorophenol	65.4		12.0-120		01/02/2024 13:16	WG2198672
(S) Phenol-d5	60.7		10.0-120		01/02/2024 13:16	WG2198672
(S) Nitrobenzene-d5	52.4		10.0-122		01/02/2024 13:16	WG2198672
(S) 2-Fluorobiphenyl	57.3		15.0-120		01/02/2024 13:16	WG2198672
(S) 2,4,6-Tribromophenol	57.3		10.0-127		01/02/2024 13:16	WG2198672
(S) p-Terphenyl-d14	64.3		10.0-120		01/02/2024 13:16	WG2198672

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.2		1	12/30/2023 10:11	WG2198543

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.25	1	01/04/2024 09:15	WG2199071

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0590		0.0499	1	12/31/2023 11:49	WG2198641

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.74	5	01/05/2024 14:31	WG2198559
Arsenic	2.10		1.25	5	01/04/2024 16:15	WG2198559
Barium	65.0		3.12	5	01/04/2024 16:15	WG2198559
Beryllium	ND		3.12	5	01/04/2024 16:15	WG2198559
Cadmium	ND		1.25	5	01/04/2024 16:15	WG2198559
Chromium	18.3		6.24	5	01/04/2024 16:15	WG2198559
Cobalt	8.60		1.25	5	01/04/2024 16:15	WG2198559
Copper	12.2		6.24	5	01/04/2024 16:15	WG2198559
Lead	24.2		2.49	5	01/04/2024 16:15	WG2198559
Manganese	505		3.12	5	01/04/2024 16:15	WG2198559
Nickel	9.55		3.12	5	01/04/2024 16:15	WG2198559
Selenium	ND		3.12	5	01/04/2024 16:15	WG2198559
Silver	ND		0.624	5	01/04/2024 16:15	WG2198559
Thallium	ND		2.49	5	01/04/2024 16:15	WG2198559
Vanadium	25.7		3.12	5	01/04/2024 16:15	WG2198559
Zinc	34.7		31.2	5	01/04/2024 16:15	WG2198559

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0766	1	01/04/2024 02:21	WG2200382
Acrylonitrile	ND		0.0192	1	01/04/2024 02:21	WG2200382
Benzene	ND		0.00153	1	01/04/2024 02:21	WG2200382
Bromobenzene	ND		0.0192	1	01/04/2024 02:21	WG2200382
Bromodichloromethane	ND		0.00383	1	01/04/2024 02:21	WG2200382
Bromoform	ND		0.0383	1	01/04/2024 02:21	WG2200382
Bromomethane	ND		0.0192	1	01/04/2024 02:21	WG2200382
n-Butylbenzene	ND		0.0192	1	01/04/2024 02:21	WG2200382
sec-Butylbenzene	ND		0.0192	1	01/04/2024 02:21	WG2200382
tert-Butylbenzene	ND		0.00766	1	01/04/2024 02:21	WG2200382
Carbon tetrachloride	ND		0.00766	1	01/04/2024 02:21	WG2200382
Chlorobenzene	ND		0.00383	1	01/04/2024 02:21	WG2200382
Chlorodibromomethane	ND		0.00383	1	01/04/2024 02:21	WG2200382
Chloroethane	ND		0.00766	1	01/04/2024 02:21	WG2200382
Chloroform	ND		0.00383	1	01/04/2024 02:21	WG2200382
Chloromethane	ND		0.0192	1	01/04/2024 02:21	WG2200382
2-Chlorotoluene	ND		0.00383	1	01/04/2024 02:21	WG2200382
4-Chlorotoluene	ND		0.00766	1	01/04/2024 02:21	WG2200382
1,2-Dibromo-3-Chloropropane	ND		0.0383	1	01/04/2024 02:21	WG2200382

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00383	1	01/04/2024 02:21	WG2200382
Dibromomethane	ND		0.00766	1	01/04/2024 02:21	WG2200382
1,2-Dichlorobenzene	ND		0.00766	1	01/04/2024 02:21	WG2200382
1,3-Dichlorobenzene	ND		0.00766	1	01/04/2024 02:21	WG2200382
1,4-Dichlorobenzene	ND		0.00766	1	01/04/2024 02:21	WG2200382
Dichlorodifluoromethane	ND		0.00766	1	01/04/2024 02:21	WG2200382
1,1-Dichloroethane	ND		0.00383	1	01/04/2024 02:21	WG2200382
1,2-Dichloroethane	ND		0.00383	1	01/04/2024 02:21	WG2200382
1,1-Dichloroethene	ND		0.00383	1	01/04/2024 02:21	WG2200382
cis-1,2-Dichloroethene	ND		0.00383	1	01/04/2024 02:21	WG2200382
trans-1,2-Dichloroethene	ND		0.00766	1	01/04/2024 02:21	WG2200382
1,2-Dichloropropane	ND		0.00766	1	01/04/2024 02:21	WG2200382
1,1-Dichloropropene	ND		0.00383	1	01/04/2024 02:21	WG2200382
1,3-Dichloropropane	ND		0.00766	1	01/04/2024 02:21	WG2200382
cis-1,3-Dichloropropene	ND		0.00383	1	01/04/2024 02:21	WG2200382
trans-1,3-Dichloropropene	ND		0.00766	1	01/04/2024 02:21	WG2200382
2,2-Dichloropropane	ND		0.00383	1	01/04/2024 02:21	WG2200382
Di-isopropyl ether	ND		0.00153	1	01/04/2024 02:21	WG2200382
Ethylbenzene	ND		0.00383	1	01/04/2024 02:21	WG2200382
Hexachloro-1,3-butadiene	ND		0.0383	1	01/04/2024 02:21	WG2200382
Isopropylbenzene	ND		0.00383	1	01/04/2024 02:21	WG2200382
p-Isopropyltoluene	0.0674		0.00766	1	01/04/2024 02:21	WG2200382
2-Butanone (MEK)	ND		0.153	1	01/04/2024 02:21	WG2200382
Methylene Chloride	ND		0.0383	1	01/04/2024 02:21	WG2200382
4-Methyl-2-pentanone (MIBK)	ND		0.0383	1	01/04/2024 02:21	WG2200382
Methyl tert-butyl ether	ND		0.00153	1	01/04/2024 02:21	WG2200382
Naphthalene	ND		0.0192	1	01/04/2024 02:21	WG2200382
n-Propylbenzene	ND		0.00766	1	01/04/2024 02:21	WG2200382
Styrene	ND		0.0192	1	01/04/2024 02:21	WG2200382
1,1,1,2-Tetrachloroethane	ND		0.00383	1	01/04/2024 02:21	WG2200382
1,1,2,2-Tetrachloroethane	ND		0.00383	1	01/04/2024 02:21	WG2200382
Tetrachloroethene	ND		0.00383	1	01/04/2024 02:21	WG2200382
Toluene	ND		0.00766	1	01/04/2024 02:21	WG2200382
1,2,3-Trichlorobenzene	ND		0.0192	1	01/04/2024 02:21	WG2200382
1,2,4-Trichlorobenzene	ND		0.0192	1	01/04/2024 02:21	WG2200382
1,1,1-Trichloroethane	ND		0.00383	1	01/04/2024 02:21	WG2200382
1,1,2-Trichloroethane	ND		0.00383	1	01/04/2024 02:21	WG2200382
Trichloroethene	ND		0.00153	1	01/04/2024 02:21	WG2200382
Trichlorofluoromethane	ND		0.00383	1	01/04/2024 02:21	WG2200382
1,2,3-Trichloropropane	ND		0.0192	1	01/04/2024 02:21	WG2200382
1,2,4-Trimethylbenzene	ND		0.00766	1	01/04/2024 02:21	WG2200382
1,3,5-Trimethylbenzene	ND		0.00766	1	01/04/2024 02:21	WG2200382
Vinyl chloride	ND		0.00383	1	01/04/2024 02:21	WG2200382
Xylenes, Total	ND		0.00996	1	01/04/2024 02:21	WG2200382
(S) Toluene-d8	108		75.0-131		01/04/2024 02:21	WG2200382
(S) 4-Bromofluorobenzene	96.8		67.0-138		01/04/2024 02:21	WG2200382
(S) 1,2-Dichloroethane-d4	89.8		70.0-130		01/04/2024 02:21	WG2200382

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0415	1	01/02/2024 14:36	WG2198672
Acenaphthylene	ND		0.0415	1	01/02/2024 14:36	WG2198672
Anthracene	ND		0.0415	1	01/02/2024 14:36	WG2198672
Benzidine	ND		2.08	1	01/02/2024 14:36	WG2198672
Benzo(a)anthracene	0.0455		0.0415	1	01/02/2024 14:36	WG2198672

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0701		0.0415	1	01/02/2024 14:36	WG2198672
Benzo(k)fluoranthene	ND		0.0415	1	01/02/2024 14:36	WG2198672
Benzo(g,h,i)perylene	ND		0.0415	1	01/02/2024 14:36	WG2198672
Benzo(a)pyrene	0.0523		0.0415	1	01/02/2024 14:36	WG2198672
Bis(2-chloroethoxy)methane	ND		0.415	1	01/02/2024 14:36	WG2198672
Bis(2-chloroethyl)ether	ND		0.415	1	01/02/2024 14:36	WG2198672
2,2-Oxybis(1-Chloropropane)	ND		0.415	1	01/02/2024 14:36	WG2198672
4-Bromophenyl-phenylether	ND		0.415	1	01/02/2024 14:36	WG2198672
2-Chloronaphthalene	ND		0.0415	1	01/02/2024 14:36	WG2198672
4-Chlorophenyl-phenylether	ND		0.415	1	01/02/2024 14:36	WG2198672
Chrysene	0.0465		0.0415	1	01/02/2024 14:36	WG2198672
Dibenz(a,h)anthracene	ND		0.0415	1	01/02/2024 14:36	WG2198672
3,3-Dichlorobenzidine	ND		0.415	1	01/02/2024 14:36	WG2198672
2,4-Dinitrotoluene	ND		0.415	1	01/02/2024 14:36	WG2198672
2,6-Dinitrotoluene	ND		0.415	1	01/02/2024 14:36	WG2198672
Fluoranthene	0.102		0.0415	1	01/02/2024 14:36	WG2198672
Fluorene	ND		0.0415	1	01/02/2024 14:36	WG2198672
Hexachlorobenzene	ND		0.415	1	01/02/2024 14:36	WG2198672
Hexachloro-1,3-butadiene	ND		0.415	1	01/02/2024 14:36	WG2198672
Hexachlorocyclopentadiene	ND		0.415	1	01/02/2024 14:36	WG2198672
Hexachloroethane	ND		0.415	1	01/02/2024 14:36	WG2198672
Indeno(1,2,3-cd)pyrene	ND		0.0415	1	01/02/2024 14:36	WG2198672
Isophorone	ND		0.415	1	01/02/2024 14:36	WG2198672
Naphthalene	ND		0.0415	1	01/02/2024 14:36	WG2198672
Nitrobenzene	ND		0.415	1	01/02/2024 14:36	WG2198672
n-Nitrosodimethylamine	ND		0.415	1	01/02/2024 14:36	WG2198672
n-Nitrosodiphenylamine	ND		0.415	1	01/02/2024 14:36	WG2198672
n-Nitrosodi-n-propylamine	ND		0.415	1	01/02/2024 14:36	WG2198672
Phenanthrene	0.0489		0.0415	1	01/02/2024 14:36	WG2198672
Benzylbutyl phthalate	ND		0.415	1	01/02/2024 14:36	WG2198672
Bis(2-ethylhexyl)phthalate	ND		0.415	1	01/02/2024 14:36	WG2198672
Di-n-butyl phthalate	ND		0.415	1	01/02/2024 14:36	WG2198672
Diethyl phthalate	ND		0.415	1	01/02/2024 14:36	WG2198672
Dimethyl phthalate	ND		0.415	1	01/02/2024 14:36	WG2198672
Di-n-octyl phthalate	ND		0.415	1	01/02/2024 14:36	WG2198672
Pyrene	0.0912		0.0415	1	01/02/2024 14:36	WG2198672
1,2,4-Trichlorobenzene	ND		0.415	1	01/02/2024 14:36	WG2198672
4-Chloro-3-methylphenol	ND		0.415	1	01/02/2024 14:36	WG2198672
2-Chlorophenol	ND		0.415	1	01/02/2024 14:36	WG2198672
2,4-Dichlorophenol	ND		0.415	1	01/02/2024 14:36	WG2198672
2,4-Dimethylphenol	ND		0.415	1	01/02/2024 14:36	WG2198672
4,6-Dinitro-2-methylphenol	ND		0.415	1	01/02/2024 14:36	WG2198672
2,4-Dinitrophenol	ND		0.415	1	01/02/2024 14:36	WG2198672
2-Nitrophenol	ND		0.415	1	01/02/2024 14:36	WG2198672
4-Nitrophenol	ND		0.415	1	01/02/2024 14:36	WG2198672
Pentachlorophenol	ND		0.415	1	01/02/2024 14:36	WG2198672
Phenol	ND		0.415	1	01/02/2024 14:36	WG2198672
2,4,6-Trichlorophenol	ND		0.415	1	01/02/2024 14:36	WG2198672
(S) 2-Fluorophenol	60.2		12.0-120		01/02/2024 14:36	WG2198672
(S) Phenol-d5	55.7		10.0-120		01/02/2024 14:36	WG2198672
(S) Nitrobenzene-d5	49.7		10.0-122		01/02/2024 14:36	WG2198672
(S) 2-Fluorobiphenyl	54.9		15.0-120		01/02/2024 14:36	WG2198672
(S) 2,4,6-Tribromophenol	56.6		10.0-127		01/02/2024 14:36	WG2198672
(S) p-Terphenyl-d14	60.2		10.0-120		01/02/2024 14:36	WG2198672

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.8		1	12/30/2023 10:11	WG2198543

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.22	1	01/04/2024 09:27	WG2199071

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0489	1	12/31/2023 11:52	WG2198641

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.67	5	01/05/2024 14:35	WG2198559
Arsenic	1.68		1.22	5	01/04/2024 16:18	WG2198559
Barium	58.9		3.06	5	01/04/2024 16:18	WG2198559
Beryllium	ND		3.06	5	01/04/2024 16:18	WG2198559
Cadmium	ND		1.22	5	01/04/2024 16:18	WG2198559
Chromium	14.8		6.11	5	01/04/2024 16:18	WG2198559
Cobalt	6.78		1.22	5	01/04/2024 16:18	WG2198559
Copper	10.1		6.11	5	01/04/2024 16:18	WG2198559
Lead	25.5		2.45	5	01/04/2024 16:18	WG2198559
Manganese	458		3.06	5	01/04/2024 16:18	WG2198559
Nickel	7.34		3.06	5	01/04/2024 16:18	WG2198559
Selenium	ND		3.06	5	01/04/2024 16:18	WG2198559
Silver	ND		0.611	5	01/04/2024 16:18	WG2198559
Thallium	ND		2.45	5	01/04/2024 16:18	WG2198559
Vanadium	21.4		3.06	5	01/04/2024 16:18	WG2198559
Zinc	ND		30.6	5	01/04/2024 16:18	WG2198559

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0747	1.04	01/04/2024 02:39	WG2200382
Acrylonitrile	ND		0.0187	1.04	01/04/2024 02:39	WG2200382
Benzene	ND		0.00149	1.04	01/04/2024 02:39	WG2200382
Bromobenzene	ND		0.0187	1.04	01/04/2024 02:39	WG2200382
Bromodichloromethane	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
Bromoform	ND		0.0374	1.04	01/04/2024 02:39	WG2200382
Bromomethane	ND		0.0187	1.04	01/04/2024 02:39	WG2200382
n-Butylbenzene	ND		0.0187	1.04	01/04/2024 02:39	WG2200382
sec-Butylbenzene	ND		0.0187	1.04	01/04/2024 02:39	WG2200382
tert-Butylbenzene	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
Carbon tetrachloride	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
Chlorobenzene	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
Chlorodibromomethane	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
Chloroethane	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
Chloroform	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
Chloromethane	ND		0.0187	1.04	01/04/2024 02:39	WG2200382
2-Chlorotoluene	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
4-Chlorotoluene	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
1,2-Dibromo-3-Chloropropane	ND		0.0374	1.04	01/04/2024 02:39	WG2200382

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
Dibromomethane	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
1,2-Dichlorobenzene	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
1,3-Dichlorobenzene	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
1,4-Dichlorobenzene	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
Dichlorodifluoromethane	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
1,1-Dichloroethane	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
1,2-Dichloroethane	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
1,1-Dichloroethene	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
cis-1,2-Dichloroethene	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
trans-1,2-Dichloroethene	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
1,2-Dichloropropane	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
1,1-Dichloropropene	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
1,3-Dichloropropane	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
cis-1,3-Dichloropropene	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
trans-1,3-Dichloropropene	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
2,2-Dichloropropane	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
Di-isopropyl ether	ND		0.00149	1.04	01/04/2024 02:39	WG2200382
Ethylbenzene	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
Hexachloro-1,3-butadiene	ND		0.0374	1.04	01/04/2024 02:39	WG2200382
Isopropylbenzene	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
p-Isopropyltoluene	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
2-Butanone (MEK)	ND		0.149	1.04	01/04/2024 02:39	WG2200382
Methylene Chloride	ND		0.0374	1.04	01/04/2024 02:39	WG2200382
4-Methyl-2-pentanone (MIBK)	ND		0.0374	1.04	01/04/2024 02:39	WG2200382
Methyl tert-butyl ether	ND		0.00149	1.04	01/04/2024 02:39	WG2200382
Naphthalene	ND		0.0187	1.04	01/04/2024 02:39	WG2200382
n-Propylbenzene	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
Styrene	ND		0.0187	1.04	01/04/2024 02:39	WG2200382
1,1,1,2-Tetrachloroethane	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
1,1,2,2-Tetrachloroethane	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
Tetrachloroethene	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
Toluene	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
1,2,3-Trichlorobenzene	ND		0.0187	1.04	01/04/2024 02:39	WG2200382
1,2,4-Trichlorobenzene	ND		0.0187	1.04	01/04/2024 02:39	WG2200382
1,1,1-Trichloroethane	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
1,1,2-Trichloroethane	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
Trichloroethene	ND		0.00149	1.04	01/04/2024 02:39	WG2200382
Trichlorofluoromethane	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
1,2,3-Trichloropropane	ND		0.0187	1.04	01/04/2024 02:39	WG2200382
1,2,4-Trimethylbenzene	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
1,3,5-Trimethylbenzene	ND		0.00747	1.04	01/04/2024 02:39	WG2200382
Vinyl chloride	ND		0.00374	1.04	01/04/2024 02:39	WG2200382
Xylenes, Total	ND		0.00971	1.04	01/04/2024 02:39	WG2200382
(S) Toluene-d8	105		75.0-131		01/04/2024 02:39	WG2200382
(S) 4-Bromofluorobenzene	95.6		67.0-138		01/04/2024 02:39	WG2200382
(S) 1,2-Dichloroethane-d4	88.8		70.0-130		01/04/2024 02:39	WG2200382

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0407	1	01/02/2024 13:36	WG2198672
Acenaphthylene	ND		0.0407	1	01/02/2024 13:36	WG2198672
Anthracene	ND		0.0407	1	01/02/2024 13:36	WG2198672
Benzidine	ND		2.04	1	01/02/2024 13:36	WG2198672
Benzo(a)anthracene	0.0482		0.0407	1	01/02/2024 13:36	WG2198672

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0708		0.0407	1	01/02/2024 13:36	WG2198672
Benzo(k)fluoranthene	ND		0.0407	1	01/02/2024 13:36	WG2198672
Benzo(g,h,i)perylene	ND		0.0407	1	01/02/2024 13:36	WG2198672
Benzo(a)pyrene	0.0531		0.0407	1	01/02/2024 13:36	WG2198672
Bis(2-chloroethoxy)methane	ND		0.407	1	01/02/2024 13:36	WG2198672
Bis(2-chloroethyl)ether	ND		0.407	1	01/02/2024 13:36	WG2198672
2,2-Oxybis(1-Chloropropane)	ND		0.407	1	01/02/2024 13:36	WG2198672
4-Bromophenyl-phenylether	ND		0.407	1	01/02/2024 13:36	WG2198672
2-Chloronaphthalene	ND		0.0407	1	01/02/2024 13:36	WG2198672
4-Chlorophenyl-phenylether	ND		0.407	1	01/02/2024 13:36	WG2198672
Chrysene	0.0483		0.0407	1	01/02/2024 13:36	WG2198672
Dibenz(a,h)anthracene	ND		0.0407	1	01/02/2024 13:36	WG2198672
3,3-Dichlorobenzidine	ND		0.407	1	01/02/2024 13:36	WG2198672
2,4-Dinitrotoluene	ND		0.407	1	01/02/2024 13:36	WG2198672
2,6-Dinitrotoluene	ND		0.407	1	01/02/2024 13:36	WG2198672
Fluoranthene	0.106		0.0407	1	01/02/2024 13:36	WG2198672
Fluorene	ND		0.0407	1	01/02/2024 13:36	WG2198672
Hexachlorobenzene	ND		0.407	1	01/02/2024 13:36	WG2198672
Hexachloro-1,3-butadiene	ND		0.407	1	01/02/2024 13:36	WG2198672
Hexachlorocyclopentadiene	ND		0.407	1	01/02/2024 13:36	WG2198672
Hexachloroethane	ND		0.407	1	01/02/2024 13:36	WG2198672
Indeno(1,2,3-cd)pyrene	ND		0.0407	1	01/02/2024 13:36	WG2198672
Isophorone	ND		0.407	1	01/02/2024 13:36	WG2198672
Naphthalene	ND		0.0407	1	01/02/2024 13:36	WG2198672
Nitrobenzene	ND		0.407	1	01/02/2024 13:36	WG2198672
n-Nitrosodimethylamine	ND		0.407	1	01/02/2024 13:36	WG2198672
n-Nitrosodiphenylamine	ND		0.407	1	01/02/2024 13:36	WG2198672
n-Nitrosodi-n-propylamine	ND		0.407	1	01/02/2024 13:36	WG2198672
Phenanthrene	0.0572		0.0407	1	01/02/2024 13:36	WG2198672
Benzylbutyl phthalate	ND		0.407	1	01/02/2024 13:36	WG2198672
Bis(2-ethylhexyl)phthalate	ND		0.407	1	01/02/2024 13:36	WG2198672
Di-n-butyl phthalate	ND		0.407	1	01/02/2024 13:36	WG2198672
Diethyl phthalate	ND		0.407	1	01/02/2024 13:36	WG2198672
Dimethyl phthalate	ND		0.407	1	01/02/2024 13:36	WG2198672
Di-n-octyl phthalate	ND		0.407	1	01/02/2024 13:36	WG2198672
Pyrene	0.0945		0.0407	1	01/02/2024 13:36	WG2198672
1,2,4-Trichlorobenzene	ND		0.407	1	01/02/2024 13:36	WG2198672
4-Chloro-3-methylphenol	ND		0.407	1	01/02/2024 13:36	WG2198672
2-Chlorophenol	ND		0.407	1	01/02/2024 13:36	WG2198672
2,4-Dichlorophenol	ND		0.407	1	01/02/2024 13:36	WG2198672
2,4-Dimethylphenol	ND		0.407	1	01/02/2024 13:36	WG2198672
4,6-Dinitro-2-methylphenol	ND		0.407	1	01/02/2024 13:36	WG2198672
2,4-Dinitrophenol	ND		0.407	1	01/02/2024 13:36	WG2198672
2-Nitrophenol	ND		0.407	1	01/02/2024 13:36	WG2198672
4-Nitrophenol	ND		0.407	1	01/02/2024 13:36	WG2198672
Pentachlorophenol	ND		0.407	1	01/02/2024 13:36	WG2198672
Phenol	ND		0.407	1	01/02/2024 13:36	WG2198672
2,4,6-Trichlorophenol	ND		0.407	1	01/02/2024 13:36	WG2198672
(S) 2-Fluorophenol	57.9		12.0-120		01/02/2024 13:36	WG2198672
(S) Phenol-d5	56.2		10.0-120		01/02/2024 13:36	WG2198672
(S) Nitrobenzene-d5	48.8		10.0-122		01/02/2024 13:36	WG2198672
(S) 2-Fluorobiphenyl	53.7		15.0-120		01/02/2024 13:36	WG2198672
(S) 2,4,6-Tribromophenol	53.8		10.0-127		01/02/2024 13:36	WG2198672
(S) p-Terphenyl-d14	59.8		10.0-120		01/02/2024 13:36	WG2198672

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.9		1	01/02/2024 08:31	WG2199118

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.19	1	01/04/2024 09:33	WG2199071

Mercury by Method 7471B

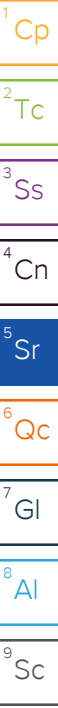
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.105		0.0477	1	12/31/2023 11:54	WG2198641

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.58	5	01/05/2024 14:38	WG2198559
Arsenic	1.33		1.19	5	01/04/2024 16:22	WG2198559
Barium	37.0		2.98	5	01/04/2024 16:22	WG2198559
Beryllium	ND		2.98	5	01/04/2024 16:22	WG2198559
Cadmium	ND		1.19	5	01/04/2024 16:22	WG2198559
Chromium	9.52		5.96	5	01/04/2024 16:22	WG2198559
Cobalt	4.35		1.19	5	01/04/2024 16:22	WG2198559
Copper	8.11		5.96	5	01/04/2024 16:22	WG2198559
Lead	27.9		2.38	5	01/04/2024 16:22	WG2198559
Manganese	306		2.98	5	01/04/2024 16:22	WG2198559
Nickel	4.75		2.98	5	01/04/2024 16:22	WG2198559
Selenium	ND		2.98	5	01/04/2024 16:22	WG2198559
Silver	ND		0.596	5	01/04/2024 16:22	WG2198559
Thallium	ND		2.38	5	01/04/2024 16:22	WG2198559
Vanadium	14.1		2.98	5	01/04/2024 16:22	WG2198559
Zinc	39.9		29.8	5	01/04/2024 16:22	WG2198559

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0853	1.27	01/04/2024 02:58	WG2200382
Acrylonitrile	ND		0.0214	1.27	01/04/2024 02:58	WG2200382
Benzene	ND		0.00171	1.27	01/04/2024 02:58	WG2200382
Bromobenzene	ND		0.0214	1.27	01/04/2024 02:58	WG2200382
Bromodichloromethane	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
Bromoform	ND		0.0427	1.27	01/04/2024 02:58	WG2200382
Bromomethane	ND		0.0214	1.27	01/04/2024 02:58	WG2200382
n-Butylbenzene	ND		0.0214	1.27	01/04/2024 02:58	WG2200382
sec-Butylbenzene	ND		0.0214	1.27	01/04/2024 02:58	WG2200382
tert-Butylbenzene	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
Carbon tetrachloride	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
Chlorobenzene	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
Chlorodibromomethane	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
Chloroethane	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
Chloroform	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
Chloromethane	ND		0.0214	1.27	01/04/2024 02:58	WG2200382
2-Chlorotoluene	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
4-Chlorotoluene	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
1,2-Dibromo-3-Chloropropane	ND		0.0427	1.27	01/04/2024 02:58	WG2200382



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
Dibromomethane	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
1,2-Dichlorobenzene	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
1,3-Dichlorobenzene	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
1,4-Dichlorobenzene	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
Dichlorodifluoromethane	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
1,1-Dichloroethane	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
1,2-Dichloroethane	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
1,1-Dichloroethene	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
cis-1,2-Dichloroethene	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
trans-1,2-Dichloroethene	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
1,2-Dichloropropane	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
1,1-Dichloropropene	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
1,3-Dichloropropane	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
cis-1,3-Dichloropropene	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
trans-1,3-Dichloropropene	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
2,2-Dichloropropane	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
Di-isopropyl ether	ND		0.00171	1.27	01/04/2024 02:58	WG2200382
Ethylbenzene	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
Hexachloro-1,3-butadiene	ND		0.0427	1.27	01/04/2024 02:58	WG2200382
Isopropylbenzene	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
p-Isopropyltoluene	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
2-Butanone (MEK)	ND		0.171	1.27	01/04/2024 02:58	WG2200382
Methylene Chloride	ND		0.0427	1.27	01/04/2024 02:58	WG2200382
4-Methyl-2-pentanone (MIBK)	ND		0.0427	1.27	01/04/2024 02:58	WG2200382
Methyl tert-butyl ether	ND		0.00171	1.27	01/04/2024 02:58	WG2200382
Naphthalene	ND		0.0214	1.27	01/04/2024 02:58	WG2200382
n-Propylbenzene	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
Styrene	ND		0.0214	1.27	01/04/2024 02:58	WG2200382
1,1,1,2-Tetrachloroethane	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
1,1,2,2-Tetrachloroethane	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
Tetrachloroethene	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
Toluene	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
1,2,3-Trichlorobenzene	ND		0.0214	1.27	01/04/2024 02:58	WG2200382
1,2,4-Trichlorobenzene	ND		0.0214	1.27	01/04/2024 02:58	WG2200382
1,1,1-Trichloroethane	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
1,1,2-Trichloroethane	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
Trichloroethene	ND		0.00171	1.27	01/04/2024 02:58	WG2200382
Trichlorofluoromethane	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
1,2,3-Trichloropropane	ND		0.0214	1.27	01/04/2024 02:58	WG2200382
1,2,4-Trimethylbenzene	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
1,3,5-Trimethylbenzene	ND		0.00853	1.27	01/04/2024 02:58	WG2200382
Vinyl chloride	ND		0.00427	1.27	01/04/2024 02:58	WG2200382
Xylenes, Total	ND		0.0111	1.27	01/04/2024 02:58	WG2200382
(S) Toluene-d8	108		75.0-131		01/04/2024 02:58	WG2200382
(S) 4-Bromofluorobenzene	101		67.0-138		01/04/2024 02:58	WG2200382
(S) 1,2-Dichloroethane-d4	93.8		70.0-130		01/04/2024 02:58	WG2200382

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0397	1	01/02/2024 13:56	WG2198672
Acenaphthylene	ND		0.0397	1	01/02/2024 13:56	WG2198672
Anthracene	ND		0.0397	1	01/02/2024 13:56	WG2198672
Benzidine	ND		1.99	1	01/02/2024 13:56	WG2198672
Benzo(a)anthracene	ND		0.0397	1	01/02/2024 13:56	WG2198672

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0397	1	01/02/2024 13:56	WG2198672
Benzo(k)fluoranthene	ND		0.0397	1	01/02/2024 13:56	WG2198672
Benzo(g,h,i)perylene	ND		0.0397	1	01/02/2024 13:56	WG2198672
Benzo(a)pyrene	ND		0.0397	1	01/02/2024 13:56	WG2198672
Bis(2-chloroethoxy)methane	ND		0.397	1	01/02/2024 13:56	WG2198672
Bis(2-chloroethyl)ether	ND		0.397	1	01/02/2024 13:56	WG2198672
2,2-Oxybis(1-Chloropropane)	ND		0.397	1	01/02/2024 13:56	WG2198672
4-Bromophenyl-phenylether	ND		0.397	1	01/02/2024 13:56	WG2198672
2-Chloronaphthalene	ND		0.0397	1	01/02/2024 13:56	WG2198672
4-Chlorophenyl-phenylether	ND		0.397	1	01/02/2024 13:56	WG2198672
Chrysene	ND		0.0397	1	01/02/2024 13:56	WG2198672
Dibenz(a,h)anthracene	ND		0.0397	1	01/02/2024 13:56	WG2198672
3,3-Dichlorobenzidine	ND		0.397	1	01/02/2024 13:56	WG2198672
2,4-Dinitrotoluene	ND		0.397	1	01/02/2024 13:56	WG2198672
2,6-Dinitrotoluene	ND		0.397	1	01/02/2024 13:56	WG2198672
Fluoranthene	0.0515		0.0397	1	01/02/2024 13:56	WG2198672
Fluorene	ND		0.0397	1	01/02/2024 13:56	WG2198672
Hexachlorobenzene	ND		0.397	1	01/02/2024 13:56	WG2198672
Hexachloro-1,3-butadiene	ND		0.397	1	01/02/2024 13:56	WG2198672
Hexachlorocyclopentadiene	ND		0.397	1	01/02/2024 13:56	WG2198672
Hexachloroethane	ND		0.397	1	01/02/2024 13:56	WG2198672
Indeno(1,2,3-cd)pyrene	ND		0.0397	1	01/02/2024 13:56	WG2198672
Isophorone	ND		0.397	1	01/02/2024 13:56	WG2198672
Naphthalene	ND		0.0397	1	01/02/2024 13:56	WG2198672
Nitrobenzene	ND		0.397	1	01/02/2024 13:56	WG2198672
n-Nitrosodimethylamine	ND		0.397	1	01/02/2024 13:56	WG2198672
n-Nitrosodiphenylamine	ND		0.397	1	01/02/2024 13:56	WG2198672
n-Nitrosodi-n-propylamine	ND		0.397	1	01/02/2024 13:56	WG2198672
Phenanthrene	ND		0.0397	1	01/02/2024 13:56	WG2198672
Benzylbutyl phthalate	ND		0.397	1	01/02/2024 13:56	WG2198672
Bis(2-ethylhexyl)phthalate	ND		0.397	1	01/02/2024 13:56	WG2198672
Di-n-butyl phthalate	ND		0.397	1	01/02/2024 13:56	WG2198672
Diethyl phthalate	ND		0.397	1	01/02/2024 13:56	WG2198672
Dimethyl phthalate	ND		0.397	1	01/02/2024 13:56	WG2198672
Di-n-octyl phthalate	ND		0.397	1	01/02/2024 13:56	WG2198672
Pyrene	0.0458		0.0397	1	01/02/2024 13:56	WG2198672
1,2,4-Trichlorobenzene	ND		0.397	1	01/02/2024 13:56	WG2198672
4-Chloro-3-methylphenol	ND		0.397	1	01/02/2024 13:56	WG2198672
2-Chlorophenol	ND		0.397	1	01/02/2024 13:56	WG2198672
2,4-Dichlorophenol	ND		0.397	1	01/02/2024 13:56	WG2198672
2,4-Dimethylphenol	ND		0.397	1	01/02/2024 13:56	WG2198672
4,6-Dinitro-2-methylphenol	ND		0.397	1	01/02/2024 13:56	WG2198672
2,4-Dinitrophenol	ND		0.397	1	01/02/2024 13:56	WG2198672
2-Nitrophenol	ND		0.397	1	01/02/2024 13:56	WG2198672
4-Nitrophenol	ND		0.397	1	01/02/2024 13:56	WG2198672
Pentachlorophenol	ND		0.397	1	01/02/2024 13:56	WG2198672
Phenol	ND		0.397	1	01/02/2024 13:56	WG2198672
2,4,6-Trichlorophenol	ND		0.397	1	01/02/2024 13:56	WG2198672
(S) 2-Fluorophenol	56.1		12.0-120		01/02/2024 13:56	WG2198672
(S) Phenol-d5	53.9		10.0-120		01/02/2024 13:56	WG2198672
(S) Nitrobenzene-d5	46.9		10.0-122		01/02/2024 13:56	WG2198672
(S) 2-Fluorobiphenyl	52.2		15.0-120		01/02/2024 13:56	WG2198672
(S) 2,4,6-Tribromophenol	54.5		10.0-127		01/02/2024 13:56	WG2198672
(S) p-Terphenyl-d14	56.8		10.0-120		01/02/2024 13:56	WG2198672

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.2		1	01/02/2024 08:31	WG2199118

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.22	1	01/04/2024 09:39	WG2199071

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.741		0.0486	1	12/31/2023 12:08	WG2198641

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.65	5	01/05/2024 14:41	WG2198559
Arsenic	3.71		1.22	5	01/04/2024 16:25	WG2198559
Barium	277		3.04	5	01/04/2024 16:25	WG2198559
Beryllium	ND		3.04	5	01/04/2024 16:25	WG2198559
Cadmium	ND		1.22	5	01/04/2024 16:25	WG2198559
Chromium	12.7		6.08	5	01/04/2024 16:25	WG2198559
Cobalt	3.80		1.22	5	01/04/2024 16:25	WG2198559
Copper	154		12.2	10	01/04/2024 17:30	WG2198559
Lead	505		2.43	5	01/04/2024 16:25	WG2198559
Manganese	306		3.04	5	01/04/2024 16:25	WG2198559
Nickel	20.3		3.04	5	01/04/2024 16:25	WG2198559
Selenium	ND		3.04	5	01/04/2024 16:25	WG2198559
Silver	1.86		0.608	5	01/04/2024 16:25	WG2198559
Thallium	ND		2.43	5	01/04/2024 16:25	WG2198559
Vanadium	10.6		3.04	5	01/04/2024 16:25	WG2198559
Zinc	390		30.4	5	01/04/2024 16:25	WG2198559

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0729	1	01/04/2024 03:17	WG2200382
Acrylonitrile	ND		0.0182	1	01/04/2024 03:17	WG2200382
Benzene	ND		0.00146	1	01/04/2024 03:17	WG2200382
Bromobenzene	ND		0.0182	1	01/04/2024 03:17	WG2200382
Bromodichloromethane	ND		0.00365	1	01/04/2024 03:17	WG2200382
Bromoform	ND		0.0365	1	01/04/2024 03:17	WG2200382
Bromomethane	ND		0.0182	1	01/04/2024 03:17	WG2200382
n-Butylbenzene	ND		0.0182	1	01/04/2024 03:17	WG2200382
sec-Butylbenzene	ND		0.0182	1	01/04/2024 03:17	WG2200382
tert-Butylbenzene	ND		0.00729	1	01/04/2024 03:17	WG2200382
Carbon tetrachloride	ND		0.00729	1	01/04/2024 03:17	WG2200382
Chlorobenzene	ND		0.00365	1	01/04/2024 03:17	WG2200382
Chlorodibromomethane	ND		0.00365	1	01/04/2024 03:17	WG2200382
Chloroethane	ND		0.00729	1	01/04/2024 03:17	WG2200382
Chloroform	ND		0.00365	1	01/04/2024 03:17	WG2200382
Chloromethane	ND		0.0182	1	01/04/2024 03:17	WG2200382
2-Chlorotoluene	ND		0.00365	1	01/04/2024 03:17	WG2200382
4-Chlorotoluene	ND		0.00729	1	01/04/2024 03:17	WG2200382
1,2-Dibromo-3-Chloropropane	ND		0.0365	1	01/04/2024 03:17	WG2200382

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00365	1	01/04/2024 03:17	WG2200382
Dibromomethane	ND		0.00729	1	01/04/2024 03:17	WG2200382
1,2-Dichlorobenzene	ND		0.00729	1	01/04/2024 03:17	WG2200382
1,3-Dichlorobenzene	ND		0.00729	1	01/04/2024 03:17	WG2200382
1,4-Dichlorobenzene	ND		0.00729	1	01/04/2024 03:17	WG2200382
Dichlorodifluoromethane	ND		0.00729	1	01/04/2024 03:17	WG2200382
1,1-Dichloroethane	ND		0.00365	1	01/04/2024 03:17	WG2200382
1,2-Dichloroethane	ND		0.00365	1	01/04/2024 03:17	WG2200382
1,1-Dichloroethene	ND		0.00365	1	01/04/2024 03:17	WG2200382
cis-1,2-Dichloroethene	ND		0.00365	1	01/04/2024 03:17	WG2200382
trans-1,2-Dichloroethene	ND		0.00729	1	01/04/2024 03:17	WG2200382
1,2-Dichloropropane	ND		0.00729	1	01/04/2024 03:17	WG2200382
1,1-Dichloropropene	ND		0.00365	1	01/04/2024 03:17	WG2200382
1,3-Dichloropropane	ND		0.00729	1	01/04/2024 03:17	WG2200382
cis-1,3-Dichloropropene	ND		0.00365	1	01/04/2024 03:17	WG2200382
trans-1,3-Dichloropropene	ND		0.00729	1	01/04/2024 03:17	WG2200382
2,2-Dichloropropane	ND		0.00365	1	01/04/2024 03:17	WG2200382
Di-isopropyl ether	ND		0.00146	1	01/04/2024 03:17	WG2200382
Ethylbenzene	ND		0.00365	1	01/04/2024 03:17	WG2200382
Hexachloro-1,3-butadiene	ND		0.0365	1	01/04/2024 03:17	WG2200382
Isopropylbenzene	ND		0.00365	1	01/04/2024 03:17	WG2200382
p-Isopropyltoluene	ND		0.00729	1	01/04/2024 03:17	WG2200382
2-Butanone (MEK)	ND		0.146	1	01/04/2024 03:17	WG2200382
Methylene Chloride	ND		0.0365	1	01/04/2024 03:17	WG2200382
4-Methyl-2-pentanone (MIBK)	ND		0.0365	1	01/04/2024 03:17	WG2200382
Methyl tert-butyl ether	ND		0.00146	1	01/04/2024 03:17	WG2200382
Naphthalene	ND		0.0182	1	01/04/2024 03:17	WG2200382
n-Propylbenzene	ND		0.00729	1	01/04/2024 03:17	WG2200382
Styrene	ND		0.0182	1	01/04/2024 03:17	WG2200382
1,1,1,2-Tetrachloroethane	ND		0.00365	1	01/04/2024 03:17	WG2200382
1,1,2,2-Tetrachloroethane	ND		0.00365	1	01/04/2024 03:17	WG2200382
Tetrachloroethene	ND		0.00365	1	01/04/2024 03:17	WG2200382
Toluene	ND		0.00729	1	01/04/2024 03:17	WG2200382
1,2,3-Trichlorobenzene	ND		0.0182	1	01/04/2024 03:17	WG2200382
1,2,4-Trichlorobenzene	ND		0.0182	1	01/04/2024 03:17	WG2200382
1,1,1-Trichloroethane	ND		0.00365	1	01/04/2024 03:17	WG2200382
1,1,2-Trichloroethane	ND		0.00365	1	01/04/2024 03:17	WG2200382
Trichloroethene	ND		0.00146	1	01/04/2024 03:17	WG2200382
Trichlorofluoromethane	ND		0.00365	1	01/04/2024 03:17	WG2200382
1,2,3-Trichloropropane	ND		0.0182	1	01/04/2024 03:17	WG2200382
1,2,4-Trimethylbenzene	ND		0.00729	1	01/04/2024 03:17	WG2200382
1,3,5-Trimethylbenzene	ND		0.00729	1	01/04/2024 03:17	WG2200382
Vinyl chloride	ND		0.00365	1	01/04/2024 03:17	WG2200382
Xylenes, Total	ND		0.00948	1	01/04/2024 03:17	WG2200382
(S) Toluene-d8	103		75.0-131		01/04/2024 03:17	WG2200382
(S) 4-Bromofluorobenzene	104		67.0-138		01/04/2024 03:17	WG2200382
(S) 1,2-Dichloroethane-d4	91.8		70.0-130		01/04/2024 03:17	WG2200382

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0405	1	01/02/2024 14:16	WG2198672
Acenaphthylene	ND		0.0405	1	01/02/2024 14:16	WG2198672
Anthracene	ND		0.0405	1	01/02/2024 14:16	WG2198672
Benzidine	ND		2.03	1	01/02/2024 14:16	WG2198672
Benzo(a)anthracene	0.112		0.0405	1	01/02/2024 14:16	WG2198672

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.162		0.0405	1	01/02/2024 14:16	WG2198672
Benzo(k)fluoranthene	0.0492		0.0405	1	01/02/2024 14:16	WG2198672
Benzo(g,h,i)perylene	0.0697		0.0405	1	01/02/2024 14:16	WG2198672
Benzo(a)pyrene	0.115		0.0405	1	01/02/2024 14:16	WG2198672
Bis(2-chloroethoxy)methane	ND		0.405	1	01/02/2024 14:16	WG2198672
Bis(2-chloroethyl)ether	ND		0.405	1	01/02/2024 14:16	WG2198672
2,2-Oxybis(1-Chloropropane)	ND		0.405	1	01/02/2024 14:16	WG2198672
4-Bromophenyl-phenylether	ND		0.405	1	01/02/2024 14:16	WG2198672
2-Chloronaphthalene	ND		0.0405	1	01/02/2024 14:16	WG2198672
4-Chlorophenyl-phenylether	ND		0.405	1	01/02/2024 14:16	WG2198672
Chrysene	0.105		0.0405	1	01/02/2024 14:16	WG2198672
Dibenz(a,h)anthracene	ND		0.0405	1	01/02/2024 14:16	WG2198672
3,3-Dichlorobenzidine	ND		0.405	1	01/02/2024 14:16	WG2198672
2,4-Dinitrotoluene	ND		0.405	1	01/02/2024 14:16	WG2198672
2,6-Dinitrotoluene	ND		0.405	1	01/02/2024 14:16	WG2198672
Fluoranthene	0.192		0.0405	1	01/02/2024 14:16	WG2198672
Fluorene	ND		0.0405	1	01/02/2024 14:16	WG2198672
Hexachlorobenzene	ND		0.405	1	01/02/2024 14:16	WG2198672
Hexachloro-1,3-butadiene	ND		0.405	1	01/02/2024 14:16	WG2198672
Hexachlorocyclopentadiene	ND		0.405	1	01/02/2024 14:16	WG2198672
Hexachloroethane	ND		0.405	1	01/02/2024 14:16	WG2198672
Indeno(1,2,3-cd)pyrene	0.0737		0.0405	1	01/02/2024 14:16	WG2198672
Isophorone	ND		0.405	1	01/02/2024 14:16	WG2198672
Naphthalene	ND		0.0405	1	01/02/2024 14:16	WG2198672
Nitrobenzene	ND		0.405	1	01/02/2024 14:16	WG2198672
n-Nitrosodimethylamine	ND		0.405	1	01/02/2024 14:16	WG2198672
n-Nitrosodiphenylamine	ND		0.405	1	01/02/2024 14:16	WG2198672
n-Nitrosodi-n-propylamine	ND		0.405	1	01/02/2024 14:16	WG2198672
Phenanthrene	0.0817		0.0405	1	01/02/2024 14:16	WG2198672
Benzylbutyl phthalate	ND		0.405	1	01/02/2024 14:16	WG2198672
Bis(2-ethylhexyl)phthalate	ND		0.405	1	01/02/2024 14:16	WG2198672
Di-n-butyl phthalate	ND		0.405	1	01/02/2024 14:16	WG2198672
Diethyl phthalate	ND		0.405	1	01/02/2024 14:16	WG2198672
Dimethyl phthalate	ND		0.405	1	01/02/2024 14:16	WG2198672
Di-n-octyl phthalate	ND		0.405	1	01/02/2024 14:16	WG2198672
Pyrene	0.163		0.0405	1	01/02/2024 14:16	WG2198672
1,2,4-Trichlorobenzene	ND		0.405	1	01/02/2024 14:16	WG2198672
4-Chloro-3-methylphenol	ND		0.405	1	01/02/2024 14:16	WG2198672
2-Chlorophenol	ND		0.405	1	01/02/2024 14:16	WG2198672
2,4-Dichlorophenol	ND		0.405	1	01/02/2024 14:16	WG2198672
2,4-Dimethylphenol	ND		0.405	1	01/02/2024 14:16	WG2198672
4,6-Dinitro-2-methylphenol	ND		0.405	1	01/02/2024 14:16	WG2198672
2,4-Dinitrophenol	ND		0.405	1	01/02/2024 14:16	WG2198672
2-Nitrophenol	ND		0.405	1	01/02/2024 14:16	WG2198672
4-Nitrophenol	ND		0.405	1	01/02/2024 14:16	WG2198672
Pentachlorophenol	ND		0.405	1	01/02/2024 14:16	WG2198672
Phenol	ND		0.405	1	01/02/2024 14:16	WG2198672
2,4,6-Trichlorophenol	ND		0.405	1	01/02/2024 14:16	WG2198672
(S) 2-Fluorophenol	57.1		12.0-120		01/02/2024 14:16	WG2198672
(S) Phenol-d5	55.1		10.0-120		01/02/2024 14:16	WG2198672
(S) Nitrobenzene-d5	49.5		10.0-122		01/02/2024 14:16	WG2198672
(S) 2-Fluorobiphenyl	53.2		15.0-120		01/02/2024 14:16	WG2198672
(S) 2,4,6-Tribromophenol	55.2		10.0-127		01/02/2024 14:16	WG2198672
(S) p-Terphenyl-d14	59.4		10.0-120		01/02/2024 14:16	WG2198672

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.8		1	01/02/2024 08:31	WG2199118

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	2.14		1.17	1	01/04/2024 09:46	WG2199071

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.545		0.0466	1	01/03/2024 09:50	WG2198957

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.50	5	01/05/2024 14:45	WG2198559
Arsenic	ND		1.17	5	01/04/2024 16:28	WG2198559
Barium	104		2.92	5	01/04/2024 16:28	WG2198559
Beryllium	ND		2.92	5	01/04/2024 16:28	WG2198559
Cadmium	ND		1.17	5	01/04/2024 16:28	WG2198559
Chromium	11.3		5.83	5	01/04/2024 16:28	WG2198559
Cobalt	2.05		1.17	5	01/04/2024 16:28	WG2198559
Copper	16.6		5.83	5	01/04/2024 16:28	WG2198559
Lead	41.0		2.33	5	01/04/2024 16:28	WG2198559
Manganese	130		2.92	5	01/04/2024 16:28	WG2198559
Nickel	ND		2.92	5	01/04/2024 16:28	WG2198559
Selenium	ND		2.92	5	01/04/2024 16:28	WG2198559
Silver	1.84		0.583	5	01/04/2024 16:28	WG2198559
Thallium	ND		2.33	5	01/04/2024 16:28	WG2198559
Vanadium	7.67		2.92	5	01/04/2024 16:28	WG2198559
Zinc	86.7		29.2	5	01/04/2024 16:28	WG2198559

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	J4	0.0677	1	01/04/2024 04:10	WG2200463
Acrylonitrile	ND		0.0169	1	01/04/2024 04:10	WG2200463
Benzene	ND		0.00135	1	01/04/2024 04:10	WG2200463
Bromobenzene	ND		0.0169	1	01/04/2024 04:10	WG2200463
Bromodichloromethane	ND		0.00338	1	01/04/2024 04:10	WG2200463
Bromoform	ND		0.0338	1	01/04/2024 04:10	WG2200463
Bromomethane	ND		0.0169	1	01/04/2024 04:10	WG2200463
n-Butylbenzene	ND	C3	0.0169	1	01/04/2024 04:10	WG2200463
sec-Butylbenzene	ND		0.0169	1	01/05/2024 17:03	WG2201583
tert-Butylbenzene	ND		0.00677	1	01/05/2024 17:03	WG2201583
Carbon tetrachloride	ND		0.00677	1	01/04/2024 04:10	WG2200463
Chlorobenzene	ND		0.00338	1	01/04/2024 04:10	WG2200463
Chlorodibromomethane	ND		0.00338	1	01/04/2024 04:10	WG2200463
Chloroethane	ND		0.00677	1	01/04/2024 04:10	WG2200463
Chloroform	ND		0.00338	1	01/04/2024 04:10	WG2200463
Chloromethane	ND		0.0169	1	01/04/2024 04:10	WG2200463
2-Chlorotoluene	ND		0.00338	1	01/04/2024 04:10	WG2200463
4-Chlorotoluene	ND		0.00677	1	01/04/2024 04:10	WG2200463
1,2-Dibromo-3-Chloropropane	ND		0.0338	1	01/04/2024 04:10	WG2200463

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00338	1	01/04/2024 04:10	WG2200463
Dibromomethane	ND		0.00677	1	01/04/2024 04:10	WG2200463
1,2-Dichlorobenzene	ND		0.00677	1	01/04/2024 04:10	WG2200463
1,3-Dichlorobenzene	ND		0.00677	1	01/04/2024 04:10	WG2200463
1,4-Dichlorobenzene	ND		0.00677	1	01/04/2024 04:10	WG2200463
Dichlorodifluoromethane	ND		0.00677	1	01/04/2024 04:10	WG2200463
1,1-Dichloroethane	ND		0.00338	1	01/04/2024 04:10	WG2200463
1,2-Dichloroethane	ND		0.00338	1	01/04/2024 04:10	WG2200463
1,1-Dichloroethene	ND		0.00338	1	01/04/2024 04:10	WG2200463
cis-1,2-Dichloroethene	ND		0.00338	1	01/04/2024 04:10	WG2200463
trans-1,2-Dichloroethene	ND		0.00677	1	01/04/2024 04:10	WG2200463
1,2-Dichloropropane	ND		0.00677	1	01/04/2024 04:10	WG2200463
1,1-Dichloropropene	ND		0.00338	1	01/04/2024 04:10	WG2200463
1,3-Dichloropropane	ND		0.00677	1	01/04/2024 04:10	WG2200463
cis-1,3-Dichloropropene	ND		0.00338	1	01/04/2024 04:10	WG2200463
trans-1,3-Dichloropropene	ND		0.00677	1	01/04/2024 04:10	WG2200463
2,2-Dichloropropane	ND		0.00338	1	01/04/2024 04:10	WG2200463
Di-isopropyl ether	ND		0.00135	1	01/04/2024 04:10	WG2200463
Ethylbenzene	ND		0.00338	1	01/04/2024 04:10	WG2200463
Hexachloro-1,3-butadiene	ND		0.0338	1	01/04/2024 04:10	WG2200463
Isopropylbenzene	ND		0.00338	1	01/04/2024 04:10	WG2200463
p-Isopropyltoluene	ND		0.00677	1	01/05/2024 17:03	WG2201583
2-Butanone (MEK)	ND		0.135	1	01/04/2024 04:10	WG2200463
Methylene Chloride	ND		0.0338	1	01/04/2024 04:10	WG2200463
4-Methyl-2-pentanone (MIBK)	ND		0.0338	1	01/04/2024 04:10	WG2200463
Methyl tert-butyl ether	ND		0.00135	1	01/04/2024 04:10	WG2200463
Naphthalene	ND	C3	0.0169	1	01/04/2024 04:10	WG2200463
n-Propylbenzene	ND		0.00677	1	01/04/2024 04:10	WG2200463
Styrene	ND		0.0169	1	01/04/2024 04:10	WG2200463
1,1,1,2-Tetrachloroethane	ND		0.00338	1	01/04/2024 04:10	WG2200463
1,1,2,2-Tetrachloroethane	ND		0.00338	1	01/04/2024 04:10	WG2200463
Tetrachloroethene	ND		0.00338	1	01/04/2024 04:10	WG2200463
Toluene	ND		0.00677	1	01/04/2024 04:10	WG2200463
1,2,3-Trichlorobenzene	ND		0.0169	1	01/04/2024 04:10	WG2200463
1,2,4-Trichlorobenzene	ND		0.0169	1	01/04/2024 04:10	WG2200463
1,1,1-Trichloroethane	ND		0.00338	1	01/04/2024 04:10	WG2200463
1,1,2-Trichloroethane	ND		0.00338	1	01/04/2024 04:10	WG2200463
Trichloroethene	ND		0.00135	1	01/04/2024 04:10	WG2200463
Trichlorofluoromethane	ND		0.00338	1	01/04/2024 04:10	WG2200463
1,2,3-Trichloropropane	ND		0.0169	1	01/04/2024 04:10	WG2200463
1,2,4-Trimethylbenzene	ND		0.00677	1	01/05/2024 17:03	WG2201583
1,3,5-Trimethylbenzene	ND		0.00677	1	01/05/2024 17:03	WG2201583
Vinyl chloride	ND		0.00338	1	01/04/2024 04:10	WG2200463
Xylenes, Total	ND		0.00880	1	01/04/2024 04:10	WG2200463
(S) Toluene-d8	107		75.0-131		01/04/2024 04:10	WG2200463
(S) Toluene-d8	99.6		75.0-131		01/05/2024 17:03	WG2201583
(S) 4-Bromofluorobenzene	88.4		67.0-138		01/04/2024 04:10	WG2200463
(S) 4-Bromofluorobenzene	102		67.0-138		01/05/2024 17:03	WG2201583
(S) 1,2-Dichloroethane-d4	95.4		70.0-130		01/04/2024 04:10	WG2200463
(S) 1,2-Dichloroethane-d4	93.8		70.0-130		01/05/2024 17:03	WG2201583

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0388	1	01/03/2024 02:34	WG2198815
Acenaphthylene	ND		0.0388	1	01/03/2024 02:34	WG2198815
Anthracene	ND		0.0388	1	01/03/2024 02:34	WG2198815
Benzidine	ND		1.95	1	01/03/2024 02:34	WG2198815
Benzo(a)anthracene	ND		0.0388	1	01/03/2024 02:34	WG2198815
Benzo(b)fluoranthene	ND		0.0388	1	01/03/2024 02:34	WG2198815
Benzo(k)fluoranthene	ND		0.0388	1	01/03/2024 02:34	WG2198815
Benzo(g,h,i)perylene	ND		0.0388	1	01/03/2024 02:34	WG2198815
Benzo(a)pyrene	ND		0.0388	1	01/03/2024 02:34	WG2198815
Bis(2-chlorethoxy)methane	ND		0.388	1	01/03/2024 02:34	WG2198815
Bis(2-chloroethyl)ether	ND		0.388	1	01/03/2024 02:34	WG2198815
2,2-Oxybis(1-Chloropropane)	ND		0.388	1	01/03/2024 02:34	WG2198815
4-Bromophenyl-phenylether	ND		0.388	1	01/03/2024 02:34	WG2198815
2-Chloronaphthalene	ND		0.0388	1	01/03/2024 02:34	WG2198815
4-Chlorophenyl-phenylether	ND		0.388	1	01/03/2024 02:34	WG2198815
Chrysene	ND		0.0388	1	01/03/2024 02:34	WG2198815
Dibenz(a,h)anthracene	ND		0.0388	1	01/03/2024 02:34	WG2198815
3,3-Dichlorobenzidine	ND		0.388	1	01/03/2024 02:34	WG2198815
2,4-Dinitrotoluene	ND		0.388	1	01/03/2024 02:34	WG2198815
2,6-Dinitrotoluene	ND		0.388	1	01/03/2024 02:34	WG2198815
Fluoranthene	ND		0.0388	1	01/03/2024 02:34	WG2198815
Fluorene	ND		0.0388	1	01/03/2024 02:34	WG2198815
Hexachlorobenzene	ND		0.388	1	01/03/2024 02:34	WG2198815
Hexachloro-1,3-butadiene	ND		0.388	1	01/03/2024 02:34	WG2198815
Hexachlorocyclopentadiene	ND		0.388	1	01/03/2024 02:34	WG2198815
Hexachloroethane	ND		0.388	1	01/03/2024 02:34	WG2198815
Indeno(1,2,3-cd)pyrene	ND		0.0388	1	01/03/2024 02:34	WG2198815
Isophorone	ND		0.388	1	01/03/2024 02:34	WG2198815
Naphthalene	ND		0.0388	1	01/03/2024 02:34	WG2198815
Nitrobenzene	ND		0.388	1	01/03/2024 02:34	WG2198815
n-Nitrosodimethylamine	ND		0.388	1	01/03/2024 02:34	WG2198815
n-Nitrosodiphenylamine	ND		0.388	1	01/03/2024 02:34	WG2198815
n-Nitrosodi-n-propylamine	ND		0.388	1	01/03/2024 02:34	WG2198815
Phenanthrene	ND		0.0388	1	01/03/2024 02:34	WG2198815
Benzylbutyl phthalate	ND		0.388	1	01/03/2024 02:34	WG2198815
Bis(2-ethylhexyl)phthalate	ND		0.388	1	01/03/2024 02:34	WG2198815
Di-n-butyl phthalate	ND		0.388	1	01/03/2024 02:34	WG2198815
Diethyl phthalate	ND		0.388	1	01/03/2024 02:34	WG2198815
Dimethyl phthalate	ND		0.388	1	01/03/2024 02:34	WG2198815
Di-n-octyl phthalate	ND		0.388	1	01/03/2024 02:34	WG2198815
Pyrene	ND		0.0388	1	01/03/2024 02:34	WG2198815
1,2,4-Trichlorobenzene	ND		0.388	1	01/03/2024 02:34	WG2198815
4-Chloro-3-methylphenol	ND		0.388	1	01/03/2024 02:34	WG2198815
2-Chlorophenol	ND		0.388	1	01/03/2024 02:34	WG2198815
2,4-Dichlorophenol	ND		0.388	1	01/03/2024 02:34	WG2198815
2,4-Dimethylphenol	ND		0.388	1	01/03/2024 02:34	WG2198815
4,6-Dinitro-2-methylphenol	ND		0.388	1	01/03/2024 02:34	WG2198815
2,4-Dinitrophenol	ND		0.388	1	01/03/2024 02:34	WG2198815
2-Nitrophenol	ND		0.388	1	01/03/2024 02:34	WG2198815
4-Nitrophenol	ND		0.388	1	01/03/2024 02:34	WG2198815
Pentachlorophenol	ND		0.388	1	01/03/2024 02:34	WG2198815
Phenol	ND		0.388	1	01/03/2024 02:34	WG2198815
2,4,6-Trichlorophenol	ND		0.388	1	01/03/2024 02:34	WG2198815
(S) 2-Fluorophenol	55.5		12.0-120		01/03/2024 02:34	WG2198815
(S) Phenol-d5	52.4		10.0-120		01/03/2024 02:34	WG2198815
(S) Nitrobenzene-d5	44.8		10.0-122		01/03/2024 02:34	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	49.4		15.0-120		01/03/2024 02:34	WG2198815
(S) 2,4,6-Tribromophenol	50.8		10.0-127		01/03/2024 02:34	WG2198815
(S) p-Terphenyl-d14	54.6		10.0-120		01/03/2024 02:34	WG2198815

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	01/02/2024 08:31	WG2199118

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	2.44		1.16	1	01/04/2024 09:52	WG2199071

Mercury by Method 7471B

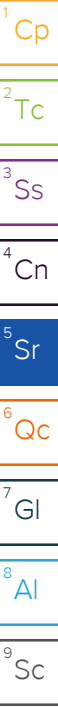
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0462	1	01/03/2024 09:52	WG2198957

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.47	5	01/05/2024 14:48	WG2198559
Arsenic	1.79		1.16	5	01/04/2024 16:32	WG2198559
Barium	48.3		2.89	5	01/04/2024 16:32	WG2198559
Beryllium	ND		2.89	5	01/04/2024 16:32	WG2198559
Cadmium	ND		1.16	5	01/04/2024 16:32	WG2198559
Chromium	19.0		5.78	5	01/04/2024 16:32	WG2198559
Cobalt	9.48		1.16	5	01/04/2024 16:32	WG2198559
Copper	12.2		5.78	5	01/04/2024 16:32	WG2198559
Lead	48.5		2.31	5	01/04/2024 16:32	WG2198559
Manganese	340		2.89	5	01/04/2024 16:32	WG2198559
Nickel	11.4		2.89	5	01/04/2024 16:32	WG2198559
Selenium	ND		2.89	5	01/04/2024 16:32	WG2198559
Silver	ND		0.578	5	01/04/2024 16:32	WG2198559
Thallium	ND		2.31	5	01/04/2024 16:32	WG2198559
Vanadium	21.7		2.89	5	01/04/2024 16:32	WG2198559
Zinc	35.9		28.9	5	01/04/2024 16:32	WG2198559

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	J4	0.0659	1	01/04/2024 04:30	WG2200463
Acrylonitrile	ND		0.0165	1	01/04/2024 04:30	WG2200463
Benzene	ND		0.00132	1	01/04/2024 04:30	WG2200463
Bromobenzene	ND		0.0165	1	01/04/2024 04:30	WG2200463
Bromodichloromethane	ND		0.00329	1	01/04/2024 04:30	WG2200463
Bromoform	ND		0.0329	1	01/04/2024 04:30	WG2200463
Bromomethane	ND		0.0165	1	01/04/2024 04:30	WG2200463
n-Butylbenzene	ND	C3	0.0165	1	01/04/2024 04:30	WG2200463
sec-Butylbenzene	ND		0.0165	1	01/05/2024 17:23	WG2201583
tert-Butylbenzene	ND		0.00659	1	01/05/2024 17:23	WG2201583
Carbon tetrachloride	ND		0.00659	1	01/04/2024 04:30	WG2200463
Chlorobenzene	ND		0.00329	1	01/04/2024 04:30	WG2200463
Chlorodibromomethane	ND		0.00329	1	01/04/2024 04:30	WG2200463
Chloroethane	ND		0.00659	1	01/04/2024 04:30	WG2200463
Chloroform	ND		0.00329	1	01/04/2024 04:30	WG2200463
Chloromethane	ND		0.0165	1	01/04/2024 04:30	WG2200463
2-Chlorotoluene	ND		0.00329	1	01/04/2024 04:30	WG2200463
4-Chlorotoluene	ND		0.00659	1	01/04/2024 04:30	WG2200463
1,2-Dibromo-3-Chloropropane	ND		0.0329	1	01/04/2024 04:30	WG2200463



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00329	1	01/04/2024 04:30	WG2200463
Dibromomethane	ND		0.00659	1	01/04/2024 04:30	WG2200463
1,2-Dichlorobenzene	ND		0.00659	1	01/04/2024 04:30	WG2200463
1,3-Dichlorobenzene	ND		0.00659	1	01/04/2024 04:30	WG2200463
1,4-Dichlorobenzene	ND		0.00659	1	01/04/2024 04:30	WG2200463
Dichlorodifluoromethane	ND		0.00659	1	01/04/2024 04:30	WG2200463
1,1-Dichloroethane	ND		0.00329	1	01/04/2024 04:30	WG2200463
1,2-Dichloroethane	ND		0.00329	1	01/04/2024 04:30	WG2200463
1,1-Dichloroethene	ND		0.00329	1	01/04/2024 04:30	WG2200463
cis-1,2-Dichloroethene	ND		0.00329	1	01/04/2024 04:30	WG2200463
trans-1,2-Dichloroethene	ND		0.00659	1	01/04/2024 04:30	WG2200463
1,2-Dichloropropane	ND		0.00659	1	01/04/2024 04:30	WG2200463
1,1-Dichloropropene	ND		0.00329	1	01/04/2024 04:30	WG2200463
1,3-Dichloropropane	ND		0.00659	1	01/04/2024 04:30	WG2200463
cis-1,3-Dichloropropene	ND		0.00329	1	01/04/2024 04:30	WG2200463
trans-1,3-Dichloropropene	ND		0.00659	1	01/04/2024 04:30	WG2200463
2,2-Dichloropropane	ND		0.00329	1	01/04/2024 04:30	WG2200463
Di-isopropyl ether	ND		0.00132	1	01/04/2024 04:30	WG2200463
Ethylbenzene	ND		0.00329	1	01/04/2024 04:30	WG2200463
Hexachloro-1,3-butadiene	ND		0.0329	1	01/04/2024 04:30	WG2200463
Isopropylbenzene	ND		0.00329	1	01/04/2024 04:30	WG2200463
p-Isopropyltoluene	ND		0.00659	1	01/05/2024 17:23	WG2201583
2-Butanone (MEK)	ND		0.132	1	01/04/2024 04:30	WG2200463
Methylene Chloride	ND		0.0329	1	01/04/2024 04:30	WG2200463
4-Methyl-2-pentanone (MIBK)	ND		0.0329	1	01/04/2024 04:30	WG2200463
Methyl tert-butyl ether	ND		0.00132	1	01/04/2024 04:30	WG2200463
Naphthalene	ND	C3	0.0165	1	01/04/2024 04:30	WG2200463
n-Propylbenzene	ND		0.00659	1	01/04/2024 04:30	WG2200463
Styrene	ND		0.0165	1	01/04/2024 04:30	WG2200463
1,1,1,2-Tetrachloroethane	ND		0.00329	1	01/04/2024 04:30	WG2200463
1,1,2,2-Tetrachloroethane	ND		0.00329	1	01/04/2024 04:30	WG2200463
Tetrachloroethene	ND		0.00329	1	01/04/2024 04:30	WG2200463
Toluene	ND		0.00659	1	01/04/2024 04:30	WG2200463
1,2,3-Trichlorobenzene	ND		0.0165	1	01/04/2024 04:30	WG2200463
1,2,4-Trichlorobenzene	ND		0.0165	1	01/04/2024 04:30	WG2200463
1,1,1-Trichloroethane	ND		0.00329	1	01/04/2024 04:30	WG2200463
1,1,2-Trichloroethane	ND		0.00329	1	01/04/2024 04:30	WG2200463
Trichloroethene	ND		0.00132	1	01/04/2024 04:30	WG2200463
Trichlorofluoromethane	ND		0.00329	1	01/04/2024 04:30	WG2200463
1,2,3-Trichloropropane	ND		0.0165	1	01/04/2024 04:30	WG2200463
1,2,4-Trimethylbenzene	ND		0.00659	1	01/05/2024 17:23	WG2201583
1,3,5-Trimethylbenzene	ND		0.00659	1	01/05/2024 17:23	WG2201583
Vinyl chloride	ND		0.00329	1	01/04/2024 04:30	WG2200463
Xylenes, Total	ND		0.00856	1	01/04/2024 04:30	WG2200463
(S) Toluene-d8	109		75.0-131		01/04/2024 04:30	WG2200463
(S) Toluene-d8	99.7		75.0-131		01/05/2024 17:23	WG2201583
(S) 4-Bromofluorobenzene	91.2		67.0-138		01/04/2024 04:30	WG2200463
(S) 4-Bromofluorobenzene	99.8		67.0-138		01/05/2024 17:23	WG2201583
(S) 1,2-Dichloroethane-d4	95.3		70.0-130		01/04/2024 04:30	WG2200463
(S) 1,2-Dichloroethane-d4	94.9		70.0-130		01/05/2024 17:23	WG2201583

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0385	1	01/03/2024 04:34	WG2198815
Acenaphthylene	ND		0.0385	1	01/03/2024 04:34	WG2198815
Anthracene	0.0416		0.0385	1	01/03/2024 04:34	WG2198815
Benzidine	ND		1.93	1	01/03/2024 04:34	WG2198815
Benzo(a)anthracene	0.222		0.0385	1	01/03/2024 04:34	WG2198815
Benzo(b)fluoranthene	0.301		0.0385	1	01/03/2024 04:34	WG2198815
Benzo(k)fluoranthene	0.106		0.0385	1	01/03/2024 04:34	WG2198815
Benzo(g,h,i)perylene	0.114		0.0385	1	01/03/2024 04:34	WG2198815
Benzo(a)pyrene	0.227		0.0385	1	01/03/2024 04:34	WG2198815
Bis(2-chloroethoxy)methane	ND		0.385	1	01/03/2024 04:34	WG2198815
Bis(2-chloroethyl)ether	ND		0.385	1	01/03/2024 04:34	WG2198815
2,2-Oxybis(1-Chloropropane)	ND		0.385	1	01/03/2024 04:34	WG2198815
4-Bromophenyl-phenylether	ND		0.385	1	01/03/2024 04:34	WG2198815
2-Chloronaphthalene	ND		0.0385	1	01/03/2024 04:34	WG2198815
4-Chlorophenyl-phenylether	ND		0.385	1	01/03/2024 04:34	WG2198815
Chrysene	0.193		0.0385	1	01/03/2024 04:34	WG2198815
Dibenz(a,h)anthracene	ND		0.0385	1	01/03/2024 04:34	WG2198815
3,3-Dichlorobenzidine	ND		0.385	1	01/03/2024 04:34	WG2198815
2,4-Dinitrotoluene	ND		0.385	1	01/03/2024 04:34	WG2198815
2,6-Dinitrotoluene	ND		0.385	1	01/03/2024 04:34	WG2198815
Fluoranthene	0.498		0.0385	1	01/03/2024 04:34	WG2198815
Fluorene	ND		0.0385	1	01/03/2024 04:34	WG2198815
Hexachlorobenzene	ND		0.385	1	01/03/2024 04:34	WG2198815
Hexachloro-1,3-butadiene	ND		0.385	1	01/03/2024 04:34	WG2198815
Hexachlorocyclopentadiene	ND		0.385	1	01/03/2024 04:34	WG2198815
Hexachloroethane	ND		0.385	1	01/03/2024 04:34	WG2198815
Indeno(1,2,3-cd)pyrene	0.121		0.0385	1	01/03/2024 04:34	WG2198815
Isophorone	ND		0.385	1	01/03/2024 04:34	WG2198815
Naphthalene	ND		0.0385	1	01/03/2024 04:34	WG2198815
Nitrobenzene	ND		0.385	1	01/03/2024 04:34	WG2198815
n-Nitrosodimethylamine	ND		0.385	1	01/03/2024 04:34	WG2198815
n-Nitrosodiphenylamine	ND		0.385	1	01/03/2024 04:34	WG2198815
n-Nitrosodi-n-propylamine	ND		0.385	1	01/03/2024 04:34	WG2198815
Phenanthrene	0.317		0.0385	1	01/03/2024 04:34	WG2198815
Benzylbutyl phthalate	ND		0.385	1	01/03/2024 04:34	WG2198815
Bis(2-ethylhexyl)phthalate	ND		0.385	1	01/03/2024 04:34	WG2198815
Di-n-butyl phthalate	ND		0.385	1	01/03/2024 04:34	WG2198815
Diethyl phthalate	ND		0.385	1	01/03/2024 04:34	WG2198815
Dimethyl phthalate	ND		0.385	1	01/03/2024 04:34	WG2198815
Di-n-octyl phthalate	ND		0.385	1	01/03/2024 04:34	WG2198815
Pyrene	0.447		0.0385	1	01/03/2024 04:34	WG2198815
1,2,4-Trichlorobenzene	ND		0.385	1	01/03/2024 04:34	WG2198815
4-Chloro-3-methylphenol	ND		0.385	1	01/03/2024 04:34	WG2198815
2-Chlorophenol	ND		0.385	1	01/03/2024 04:34	WG2198815
2,4-Dichlorophenol	ND		0.385	1	01/03/2024 04:34	WG2198815
2,4-Dimethylphenol	ND		0.385	1	01/03/2024 04:34	WG2198815
4,6-Dinitro-2-methylphenol	ND		0.385	1	01/03/2024 04:34	WG2198815
2,4-Dinitrophenol	ND		0.385	1	01/03/2024 04:34	WG2198815
2-Nitrophenol	ND		0.385	1	01/03/2024 04:34	WG2198815
4-Nitrophenol	ND		0.385	1	01/03/2024 04:34	WG2198815
Pentachlorophenol	ND		0.385	1	01/03/2024 04:34	WG2198815
Phenol	ND		0.385	1	01/03/2024 04:34	WG2198815
2,4,6-Trichlorophenol	ND		0.385	1	01/03/2024 04:34	WG2198815
(S) 2-Fluorophenol	63.6		12.0-120		01/03/2024 04:34	WG2198815
(S) Phenol-d5	57.9		10.0-120		01/03/2024 04:34	WG2198815
(S) Nitrobenzene-d5	51.5		10.0-122		01/03/2024 04:34	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	58.3		15.0-120		01/03/2024 04:34	WG2198815
(S) 2,4,6-Tribromophenol	57.7		10.0-127		01/03/2024 04:34	WG2198815
(S) p-Terphenyl-d14	61.4		10.0-120		01/03/2024 04:34	WG2198815

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	01/02/2024 08:31	WG2199118

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.15	1	01/04/2024 10:10	WG2199071

Mercury by Method 7471B

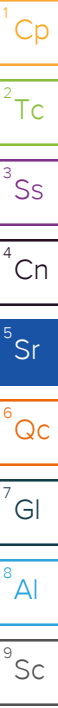
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0458	1	12/31/2023 12:10	WG2198641

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.44	5	01/05/2024 14:51	WG2198559
Arsenic	ND		1.15	5	01/04/2024 16:46	WG2198559
Barium	25.1		2.86	5	01/04/2024 16:46	WG2198559
Beryllium	ND		2.86	5	01/04/2024 16:46	WG2198559
Cadmium	ND		1.15	5	01/04/2024 16:46	WG2198559
Chromium	13.4		5.73	5	01/04/2024 16:46	WG2198559
Cobalt	4.37		1.15	5	01/04/2024 16:46	WG2198559
Copper	6.40		5.73	5	01/04/2024 16:46	WG2198559
Lead	8.14		2.29	5	01/04/2024 16:46	WG2198559
Manganese	185		2.86	5	01/04/2024 16:46	WG2198559
Nickel	5.00		2.86	5	01/04/2024 16:46	WG2198559
Selenium	ND		2.86	5	01/04/2024 16:46	WG2198559
Silver	ND		0.573	5	01/04/2024 16:46	WG2198559
Thallium	ND		2.29	5	01/04/2024 16:46	WG2198559
Vanadium	12.4		2.86	5	01/04/2024 16:46	WG2198559
Zinc	31.3		28.6	5	01/04/2024 16:46	WG2198559

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	J4	0.0748	1.18	01/04/2024 04:49	WG2200463
Acrylonitrile	ND		0.0186	1.18	01/04/2024 04:49	WG2200463
Benzene	ND		0.00150	1.18	01/04/2024 04:49	WG2200463
Bromobenzene	ND		0.0186	1.18	01/04/2024 04:49	WG2200463
Bromodichloromethane	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
Bromoform	ND		0.0374	1.18	01/04/2024 04:49	WG2200463
Bromomethane	ND		0.0186	1.18	01/04/2024 04:49	WG2200463
n-Butylbenzene	ND	C3	0.0186	1.18	01/04/2024 04:49	WG2200463
sec-Butylbenzene	ND		0.0186	1.18	01/05/2024 17:42	WG2201583
tert-Butylbenzene	ND		0.00748	1.18	01/05/2024 17:42	WG2201583
Carbon tetrachloride	ND		0.00748	1.18	01/04/2024 04:49	WG2200463
Chlorobenzene	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
Chlorodibromomethane	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
Chloroethane	ND		0.00748	1.18	01/04/2024 04:49	WG2200463
Chloroform	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
Chloromethane	ND		0.0186	1.18	01/04/2024 04:49	WG2200463
2-Chlorotoluene	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
4-Chlorotoluene	ND		0.00748	1.18	01/04/2024 04:49	WG2200463
1,2-Dibromo-3-Chloropropane	ND		0.0374	1.18	01/04/2024 04:49	WG2200463



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
Dibromomethane	ND		0.00748	1.18	01/04/2024 04:49	WG2200463
1,2-Dichlorobenzene	ND		0.00748	1.18	01/04/2024 04:49	WG2200463
1,3-Dichlorobenzene	ND		0.00748	1.18	01/04/2024 04:49	WG2200463
1,4-Dichlorobenzene	ND		0.00748	1.18	01/04/2024 04:49	WG2200463
Dichlorodifluoromethane	ND		0.00748	1.18	01/04/2024 04:49	WG2200463
1,1-Dichloroethane	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
1,2-Dichloroethane	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
1,1-Dichloroethene	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
cis-1,2-Dichloroethene	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
trans-1,2-Dichloroethene	ND		0.00748	1.18	01/04/2024 04:49	WG2200463
1,2-Dichloropropane	ND		0.00748	1.18	01/04/2024 04:49	WG2200463
1,1-Dichloropropene	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
1,3-Dichloropropane	ND		0.00748	1.18	01/04/2024 04:49	WG2200463
cis-1,3-Dichloropropene	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
trans-1,3-Dichloropropene	ND		0.00748	1.18	01/04/2024 04:49	WG2200463
2,2-Dichloropropane	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
Di-isopropyl ether	ND		0.00150	1.18	01/04/2024 04:49	WG2200463
Ethylbenzene	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
Hexachloro-1,3-butadiene	ND		0.0374	1.18	01/04/2024 04:49	WG2200463
Isopropylbenzene	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
p-Isopropyltoluene	0.0125		0.00748	1.18	01/05/2024 17:42	WG2201583
2-Butanone (MEK)	ND		0.150	1.18	01/04/2024 04:49	WG2200463
Methylene Chloride	ND		0.0374	1.18	01/04/2024 04:49	WG2200463
4-Methyl-2-pentanone (MIBK)	ND		0.0374	1.18	01/04/2024 04:49	WG2200463
Methyl tert-butyl ether	ND		0.00150	1.18	01/04/2024 04:49	WG2200463
Naphthalene	ND	C3	0.0186	1.18	01/04/2024 04:49	WG2200463
n-Propylbenzene	ND		0.00748	1.18	01/04/2024 04:49	WG2200463
Styrene	ND		0.0186	1.18	01/04/2024 04:49	WG2200463
1,1,1,2-Tetrachloroethane	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
1,1,1,2-Tetrachloroethane	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
Tetrachloroethene	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
Toluene	ND		0.00748	1.18	01/04/2024 04:49	WG2200463
1,2,3-Trichlorobenzene	ND		0.0186	1.18	01/04/2024 04:49	WG2200463
1,2,4-Trichlorobenzene	ND		0.0186	1.18	01/04/2024 04:49	WG2200463
1,1,1-Trichloroethane	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
1,1,2-Trichloroethane	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
Trichloroethene	ND		0.00150	1.18	01/04/2024 04:49	WG2200463
Trichlorofluoromethane	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
1,2,3-Trichloropropane	ND		0.0186	1.18	01/04/2024 04:49	WG2200463
1,2,4-Trimethylbenzene	ND	C3	0.00748	1.18	01/04/2024 04:49	WG2200463
1,3,5-Trimethylbenzene	ND		0.00748	1.18	01/05/2024 17:42	WG2201583
Vinyl chloride	ND		0.00374	1.18	01/04/2024 04:49	WG2200463
Xylenes, Total	ND		0.00973	1.18	01/04/2024 04:49	WG2200463
(S) Toluene-d8	112		75.0-131		01/04/2024 04:49	WG2200463
(S) Toluene-d8	99.7		75.0-131		01/05/2024 17:42	WG2201583
(S) 4-Bromofluorobenzene	94.5		67.0-138		01/04/2024 04:49	WG2200463
(S) 4-Bromofluorobenzene	101		67.0-138		01/05/2024 17:42	WG2201583
(S) 1,2-Dichloroethane-d4	96.0		70.0-130		01/04/2024 04:49	WG2200463
(S) 1,2-Dichloroethane-d4	92.9		70.0-130		01/05/2024 17:42	WG2201583

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0381	1	01/03/2024 06:55	WG2198815
Acenaphthylene	ND		0.0381	1	01/03/2024 06:55	WG2198815
Anthracene	ND		0.0381	1	01/03/2024 06:55	WG2198815
Benzidine	ND		1.91	1	01/03/2024 06:55	WG2198815
Benzo(a)anthracene	0.116		0.0381	1	01/03/2024 06:55	WG2198815
Benzo(b)fluoranthene	0.227		0.0381	1	01/03/2024 06:55	WG2198815
Benzo(k)fluoranthene	0.0768		0.0381	1	01/03/2024 06:55	WG2198815
Benzo(g,h,i)perylene	0.0470		0.0381	1	01/03/2024 06:55	WG2198815
Benzo(a)pyrene	0.129		0.0381	1	01/03/2024 06:55	WG2198815
Bis(2-chloroethoxy)methane	ND		0.381	1	01/03/2024 06:55	WG2198815
Bis(2-chloroethyl)ether	ND		0.381	1	01/03/2024 06:55	WG2198815
2,2-Oxybis(1-Chloropropane)	ND		0.381	1	01/03/2024 06:55	WG2198815
4-Bromophenyl-phenylether	ND		0.381	1	01/03/2024 06:55	WG2198815
2-Chloronaphthalene	ND		0.0381	1	01/03/2024 06:55	WG2198815
4-Chlorophenyl-phenylether	ND		0.381	1	01/03/2024 06:55	WG2198815
Chrysene	0.111		0.0381	1	01/03/2024 06:55	WG2198815
Dibenz(a,h)anthracene	ND		0.0381	1	01/03/2024 06:55	WG2198815
3,3-Dichlorobenzidine	ND		0.381	1	01/03/2024 06:55	WG2198815
2,4-Dinitrotoluene	ND		0.381	1	01/03/2024 06:55	WG2198815
2,6-Dinitrotoluene	ND		0.381	1	01/03/2024 06:55	WG2198815
Fluoranthene	0.227		0.0381	1	01/03/2024 06:55	WG2198815
Fluorene	ND		0.0381	1	01/03/2024 06:55	WG2198815
Hexachlorobenzene	ND		0.381	1	01/03/2024 06:55	WG2198815
Hexachloro-1,3-butadiene	ND		0.381	1	01/03/2024 06:55	WG2198815
Hexachlorocyclopentadiene	ND		0.381	1	01/03/2024 06:55	WG2198815
Hexachloroethane	ND		0.381	1	01/03/2024 06:55	WG2198815
Indeno(1,2,3-cd)pyrene	0.0568		0.0381	1	01/03/2024 06:55	WG2198815
Isophorone	ND		0.381	1	01/03/2024 06:55	WG2198815
Naphthalene	ND		0.0381	1	01/03/2024 06:55	WG2198815
Nitrobenzene	ND		0.381	1	01/03/2024 06:55	WG2198815
n-Nitrosodimethylamine	ND		0.381	1	01/03/2024 06:55	WG2198815
n-Nitrosodiphenylamine	ND		0.381	1	01/03/2024 06:55	WG2198815
n-Nitrosodi-n-propylamine	ND		0.381	1	01/03/2024 06:55	WG2198815
Phenanthrene	0.105		0.0381	1	01/03/2024 06:55	WG2198815
Benzylbutyl phthalate	ND		0.381	1	01/03/2024 06:55	WG2198815
Bis(2-ethylhexyl)phthalate	ND		0.381	1	01/03/2024 06:55	WG2198815
Di-n-butyl phthalate	ND		0.381	1	01/03/2024 06:55	WG2198815
Diethyl phthalate	ND		0.381	1	01/03/2024 06:55	WG2198815
Dimethyl phthalate	ND		0.381	1	01/03/2024 06:55	WG2198815
Di-n-octyl phthalate	ND		0.381	1	01/03/2024 06:55	WG2198815
Pyrene	0.270		0.0381	1	01/03/2024 06:55	WG2198815
1,2,4-Trichlorobenzene	ND		0.381	1	01/03/2024 06:55	WG2198815
4-Chloro-3-methylphenol	ND		0.381	1	01/03/2024 06:55	WG2198815
2-Chlorophenol	ND		0.381	1	01/03/2024 06:55	WG2198815
2,4-Dichlorophenol	ND		0.381	1	01/03/2024 06:55	WG2198815
2,4-Dimethylphenol	ND		0.381	1	01/03/2024 06:55	WG2198815
4,6-Dinitro-2-methylphenol	ND		0.381	1	01/03/2024 06:55	WG2198815
2,4-Dinitrophenol	ND		0.381	1	01/03/2024 06:55	WG2198815
2-Nitrophenol	ND		0.381	1	01/03/2024 06:55	WG2198815
4-Nitrophenol	ND		0.381	1	01/03/2024 06:55	WG2198815
Pentachlorophenol	ND		0.381	1	01/03/2024 06:55	WG2198815
Phenol	ND		0.381	1	01/03/2024 06:55	WG2198815
2,4,6-Trichlorophenol	ND		0.381	1	01/03/2024 06:55	WG2198815
(S) 2-Fluorophenol	55.5		12.0-120		01/03/2024 06:55	WG2198815
(S) Phenol-d5	51.7		10.0-120		01/03/2024 06:55	WG2198815
(S) Nitrobenzene-d5	44.8		10.0-122		01/03/2024 06:55	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	49.2		15.0-120		01/03/2024 06:55	WG2198815
(S) 2,4,6-Tribromophenol	53.3		10.0-127		01/03/2024 06:55	WG2198815
(S) p-Terphenyl-d14	55.8		10.0-120		01/03/2024 06:55	WG2198815

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	85.5		1	01/02/2024 08:38	WG2199120

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	1.19		1.17	1	01/04/2024 10:41	WG2199071

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	ND		0.0468	1	12/31/2023 12:13	WG2198641

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		3.51	5	01/05/2024 14:55	WG2198559
Arsenic	ND		1.17	5	01/04/2024 16:49	WG2198559
Barium	37.6		2.92	5	01/04/2024 16:49	WG2198559
Beryllium	ND		2.92	5	01/04/2024 16:49	WG2198559
Cadmium	ND		1.17	5	01/04/2024 16:49	WG2198559
Chromium	17.7		5.85	5	01/04/2024 16:49	WG2198559
Cobalt	5.47		1.17	5	01/04/2024 16:49	WG2198559
Copper	7.86		5.85	5	01/04/2024 16:49	WG2198559
Lead	13.5		2.34	5	01/04/2024 16:49	WG2198559
Manganese	268		2.92	5	01/04/2024 16:49	WG2198559
Nickel	6.15		2.92	5	01/04/2024 16:49	WG2198559
Selenium	ND		2.92	5	01/04/2024 16:49	WG2198559
Silver	ND		0.585	5	01/04/2024 16:49	WG2198559
Thallium	ND		2.34	5	01/04/2024 16:49	WG2198559
Vanadium	14.9		2.92	5	01/04/2024 16:49	WG2198559
Zinc	ND		29.2	5	01/04/2024 16:49	WG2198559

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND	J4	0.0673	1	01/04/2024 05:08	WG2200463
Acrylonitrile	ND		0.0168	1	01/04/2024 05:08	WG2200463
Benzene	ND		0.00135	1	01/04/2024 05:08	WG2200463
Bromobenzene	ND		0.0168	1	01/04/2024 05:08	WG2200463
Bromodichloromethane	ND		0.00337	1	01/04/2024 05:08	WG2200463
Bromoform	ND		0.0337	1	01/04/2024 05:08	WG2200463
Bromomethane	ND		0.0168	1	01/04/2024 05:08	WG2200463
n-Butylbenzene	ND	C3	0.0168	1	01/04/2024 05:08	WG2200463
sec-Butylbenzene	ND		0.0168	1	01/05/2024 18:02	WG2201583
tert-Butylbenzene	ND		0.00673	1	01/05/2024 18:02	WG2201583
Carbon tetrachloride	ND		0.00673	1	01/04/2024 05:08	WG2200463
Chlorobenzene	ND		0.00337	1	01/04/2024 05:08	WG2200463
Chlorodibromomethane	ND		0.00337	1	01/04/2024 05:08	WG2200463
Chloroethane	ND		0.00673	1	01/04/2024 05:08	WG2200463
Chloroform	ND		0.00337	1	01/04/2024 05:08	WG2200463
Chloromethane	ND		0.0168	1	01/04/2024 05:08	WG2200463
2-Chlorotoluene	ND		0.00337	1	01/04/2024 05:08	WG2200463
4-Chlorotoluene	ND		0.00673	1	01/04/2024 05:08	WG2200463
1,2-Dibromo-3-Chloropropane	ND		0.0337	1	01/04/2024 05:08	WG2200463



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00337	1	01/04/2024 05:08	WG2200463
Dibromomethane	ND		0.00673	1	01/04/2024 05:08	WG2200463
1,2-Dichlorobenzene	ND		0.00673	1	01/04/2024 05:08	WG2200463
1,3-Dichlorobenzene	ND		0.00673	1	01/04/2024 05:08	WG2200463
1,4-Dichlorobenzene	ND		0.00673	1	01/04/2024 05:08	WG2200463
Dichlorodifluoromethane	ND		0.00673	1	01/04/2024 05:08	WG2200463
1,1-Dichloroethane	ND		0.00337	1	01/04/2024 05:08	WG2200463
1,2-Dichloroethane	ND		0.00337	1	01/04/2024 05:08	WG2200463
1,1-Dichloroethene	ND		0.00337	1	01/04/2024 05:08	WG2200463
cis-1,2-Dichloroethene	ND		0.00337	1	01/04/2024 05:08	WG2200463
trans-1,2-Dichloroethene	ND		0.00673	1	01/04/2024 05:08	WG2200463
1,2-Dichloropropane	ND		0.00673	1	01/04/2024 05:08	WG2200463
1,1-Dichloropropene	ND		0.00337	1	01/04/2024 05:08	WG2200463
1,3-Dichloropropane	ND		0.00673	1	01/04/2024 05:08	WG2200463
cis-1,3-Dichloropropene	ND		0.00337	1	01/04/2024 05:08	WG2200463
trans-1,3-Dichloropropene	ND		0.00673	1	01/04/2024 05:08	WG2200463
2,2-Dichloropropane	ND		0.00337	1	01/04/2024 05:08	WG2200463
Di-isopropyl ether	ND		0.00135	1	01/04/2024 05:08	WG2200463
Ethylbenzene	ND		0.00337	1	01/04/2024 05:08	WG2200463
Hexachloro-1,3-butadiene	ND		0.0337	1	01/04/2024 05:08	WG2200463
Isopropylbenzene	ND		0.00337	1	01/04/2024 05:08	WG2200463
p-Isopropyltoluene	ND		0.00673	1	01/05/2024 18:02	WG2201583
2-Butanone (MEK)	ND		0.135	1	01/04/2024 05:08	WG2200463
Methylene Chloride	ND		0.0337	1	01/04/2024 05:08	WG2200463
4-Methyl-2-pentanone (MIBK)	ND		0.0337	1	01/04/2024 05:08	WG2200463
Methyl tert-butyl ether	ND		0.00135	1	01/04/2024 05:08	WG2200463
Naphthalene	ND	C3	0.0168	1	01/04/2024 05:08	WG2200463
n-Propylbenzene	ND		0.00673	1	01/04/2024 05:08	WG2200463
Styrene	ND		0.0168	1	01/04/2024 05:08	WG2200463
1,1,1,2-Tetrachloroethane	ND		0.00337	1	01/04/2024 05:08	WG2200463
1,1,2,2-Tetrachloroethane	ND		0.00337	1	01/04/2024 05:08	WG2200463
Tetrachloroethene	ND		0.00337	1	01/04/2024 05:08	WG2200463
Toluene	ND		0.00673	1	01/04/2024 05:08	WG2200463
1,2,3-Trichlorobenzene	ND		0.0168	1	01/04/2024 05:08	WG2200463
1,2,4-Trichlorobenzene	ND		0.0168	1	01/04/2024 05:08	WG2200463
1,1,1-Trichloroethane	ND		0.00337	1	01/04/2024 05:08	WG2200463
1,1,2-Trichloroethane	ND		0.00337	1	01/04/2024 05:08	WG2200463
Trichloroethene	ND		0.00135	1	01/04/2024 05:08	WG2200463
Trichlorofluoromethane	ND		0.00337	1	01/04/2024 05:08	WG2200463
1,2,3-Trichloropropane	ND		0.0168	1	01/04/2024 05:08	WG2200463
1,2,4-Trimethylbenzene	ND		0.00673	1	01/05/2024 18:02	WG2201583
1,3,5-Trimethylbenzene	ND		0.00673	1	01/05/2024 18:02	WG2201583
Vinyl chloride	ND		0.00337	1	01/04/2024 05:08	WG2200463
Xylenes, Total	ND		0.00875	1	01/04/2024 05:08	WG2200463
(S) Toluene-d8	108		75.0-131		01/04/2024 05:08	WG2200463
(S) Toluene-d8	101		75.0-131		01/05/2024 18:02	WG2201583
(S) 4-Bromofluorobenzene	92.9		67.0-138		01/04/2024 05:08	WG2200463
(S) 4-Bromofluorobenzene	98.8		67.0-138		01/05/2024 18:02	WG2201583
(S) 1,2-Dichloroethane-d4	96.7		70.0-130		01/04/2024 05:08	WG2200463
(S) 1,2-Dichloroethane-d4	93.9		70.0-130		01/05/2024 18:02	WG2201583

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0389	1	01/03/2024 06:35	WG2198815
Acenaphthylene	ND		0.0389	1	01/03/2024 06:35	WG2198815
Anthracene	ND		0.0389	1	01/03/2024 06:35	WG2198815
Benzidine	ND		1.95	1	01/03/2024 06:35	WG2198815
Benzo(a)anthracene	0.0748		0.0389	1	01/03/2024 06:35	WG2198815
Benzo(b)fluoranthene	0.168		0.0389	1	01/03/2024 06:35	WG2198815
Benzo(k)fluoranthene	0.0538		0.0389	1	01/03/2024 06:35	WG2198815
Benzo(g,h,i)perylene	0.0602		0.0389	1	01/03/2024 06:35	WG2198815
Benzo(a)pyrene	0.102		0.0389	1	01/03/2024 06:35	WG2198815
Bis(2-chlorethoxy)methane	ND		0.389	1	01/03/2024 06:35	WG2198815
Bis(2-chloroethyl)ether	ND		0.389	1	01/03/2024 06:35	WG2198815
2,2-Oxybis(1-Chloropropane)	ND		0.389	1	01/03/2024 06:35	WG2198815
4-Bromophenyl-phenylether	ND		0.389	1	01/03/2024 06:35	WG2198815
2-Chloronaphthalene	ND		0.0389	1	01/03/2024 06:35	WG2198815
4-Chlorophenyl-phenylether	ND		0.389	1	01/03/2024 06:35	WG2198815
Chrysene	0.0823		0.0389	1	01/03/2024 06:35	WG2198815
Dibenz(a,h)anthracene	ND		0.0389	1	01/03/2024 06:35	WG2198815
3,3-Dichlorobenzidine	ND		0.389	1	01/03/2024 06:35	WG2198815
2,4-Dinitrotoluene	ND		0.389	1	01/03/2024 06:35	WG2198815
2,6-Dinitrotoluene	ND		0.389	1	01/03/2024 06:35	WG2198815
Fluoranthene	0.182		0.0389	1	01/03/2024 06:35	WG2198815
Fluorene	ND		0.0389	1	01/03/2024 06:35	WG2198815
Hexachlorobenzene	ND		0.389	1	01/03/2024 06:35	WG2198815
Hexachloro-1,3-butadiene	ND		0.389	1	01/03/2024 06:35	WG2198815
Hexachlorocyclopentadiene	ND		0.389	1	01/03/2024 06:35	WG2198815
Hexachloroethane	ND		0.389	1	01/03/2024 06:35	WG2198815
Indeno(1,2,3-cd)pyrene	0.0628		0.0389	1	01/03/2024 06:35	WG2198815
Isophorone	ND		0.389	1	01/03/2024 06:35	WG2198815
Naphthalene	ND		0.0389	1	01/03/2024 06:35	WG2198815
Nitrobenzene	ND		0.389	1	01/03/2024 06:35	WG2198815
n-Nitrosodimethylamine	ND		0.389	1	01/03/2024 06:35	WG2198815
n-Nitrosodiphenylamine	ND		0.389	1	01/03/2024 06:35	WG2198815
n-Nitrosodi-n-propylamine	ND		0.389	1	01/03/2024 06:35	WG2198815
Phenanthrene	0.0696		0.0389	1	01/03/2024 06:35	WG2198815
Benzylbutyl phthalate	ND		0.389	1	01/03/2024 06:35	WG2198815
Bis(2-ethylhexyl)phthalate	ND		0.389	1	01/03/2024 06:35	WG2198815
Di-n-butyl phthalate	ND		0.389	1	01/03/2024 06:35	WG2198815
Diethyl phthalate	ND		0.389	1	01/03/2024 06:35	WG2198815
Dimethyl phthalate	ND		0.389	1	01/03/2024 06:35	WG2198815
Di-n-octyl phthalate	ND		0.389	1	01/03/2024 06:35	WG2198815
Pyrene	0.152		0.0389	1	01/03/2024 06:35	WG2198815
1,2,4-Trichlorobenzene	ND		0.389	1	01/03/2024 06:35	WG2198815
4-Chloro-3-methylphenol	ND		0.389	1	01/03/2024 06:35	WG2198815
2-Chlorophenol	ND		0.389	1	01/03/2024 06:35	WG2198815
2,4-Dichlorophenol	ND		0.389	1	01/03/2024 06:35	WG2198815
2,4-Dimethylphenol	ND		0.389	1	01/03/2024 06:35	WG2198815
4,6-Dinitro-2-methylphenol	ND		0.389	1	01/03/2024 06:35	WG2198815
2,4-Dinitrophenol	ND		0.389	1	01/03/2024 06:35	WG2198815
2-Nitrophenol	ND		0.389	1	01/03/2024 06:35	WG2198815
4-Nitrophenol	ND		0.389	1	01/03/2024 06:35	WG2198815
Pentachlorophenol	ND		0.389	1	01/03/2024 06:35	WG2198815
Phenol	ND		0.389	1	01/03/2024 06:35	WG2198815
2,4,6-Trichlorophenol	ND		0.389	1	01/03/2024 06:35	WG2198815
(S) 2-Fluorophenol	55.6		12.0-120		01/03/2024 06:35	WG2198815
(S) Phenol-d5	52.7		10.0-120		01/03/2024 06:35	WG2198815
(S) Nitrobenzene-d5	44.4		10.0-122		01/03/2024 06:35	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	48.1		15.0-120		01/03/2024 06:35	WG2198815
(S) 2,4,6-Tribromophenol	52.8		10.0-127		01/03/2024 06:35	WG2198815
(S) p-Terphenyl-d14	56.9		10.0-120		01/03/2024 06:35	WG2198815

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

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	01/01/2024 06:05	WG2198980
Acrolein	ND		50.0	1	01/01/2024 06:05	WG2198980
Acrylonitrile	ND		10.0	1	01/01/2024 06:05	WG2198980
Benzene	ND		1.00	1	01/01/2024 06:05	WG2198980
Bromobenzene	ND		1.00	1	01/01/2024 06:05	WG2198980
Bromodichloromethane	ND		1.00	1	01/01/2024 06:05	WG2198980
Bromoform	ND		1.00	1	01/01/2024 06:05	WG2198980
Bromomethane	ND		5.00	1	01/01/2024 06:05	WG2198980
n-Butylbenzene	ND		1.00	1	01/01/2024 06:05	WG2198980
sec-Butylbenzene	ND		1.00	1	01/01/2024 06:05	WG2198980
tert-Butylbenzene	ND		1.00	1	01/01/2024 06:05	WG2198980
Carbon tetrachloride	ND		1.00	1	01/01/2024 06:05	WG2198980
Chlorobenzene	ND		1.00	1	01/01/2024 06:05	WG2198980
Chlorodibromomethane	ND		1.00	1	01/01/2024 06:05	WG2198980
Chloroethane	ND		5.00	1	01/01/2024 06:05	WG2198980
Chloroform	ND		5.00	1	01/01/2024 06:05	WG2198980
Chloromethane	ND		2.50	1	01/01/2024 06:05	WG2198980
2-Chlorotoluene	ND		1.00	1	01/01/2024 06:05	WG2198980
4-Chlorotoluene	ND		1.00	1	01/01/2024 06:05	WG2198980
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/01/2024 06:05	WG2198980
1,2-Dibromoethane	ND		1.00	1	01/01/2024 06:05	WG2198980
Dibromomethane	ND		1.00	1	01/01/2024 06:05	WG2198980
1,2-Dichlorobenzene	ND		1.00	1	01/01/2024 06:05	WG2198980
1,3-Dichlorobenzene	ND		1.00	1	01/01/2024 06:05	WG2198980
1,4-Dichlorobenzene	ND		1.00	1	01/01/2024 06:05	WG2198980
Dichlorodifluoromethane	ND	J4	5.00	1	01/01/2024 06:05	WG2198980
1,1-Dichloroethane	ND		1.00	1	01/01/2024 06:05	WG2198980
1,2-Dichloroethane	ND		1.00	1	01/01/2024 06:05	WG2198980
1,1-Dichloroethene	ND	J4	1.00	1	01/01/2024 06:05	WG2198980
cis-1,2-Dichloroethene	ND		1.00	1	01/01/2024 06:05	WG2198980
trans-1,2-Dichloroethene	ND		1.00	1	01/01/2024 06:05	WG2198980
1,2-Dichloropropane	ND		1.00	1	01/01/2024 06:05	WG2198980
1,1-Dichloropropene	ND		1.00	1	01/01/2024 06:05	WG2198980
1,3-Dichloropropane	ND		1.00	1	01/01/2024 06:05	WG2198980
cis-1,3-Dichloropropene	ND		1.00	1	01/01/2024 06:05	WG2198980
trans-1,3-Dichloropropene	ND	C3 J4	1.00	1	01/01/2024 06:05	WG2198980
2,2-Dichloropropane	ND		1.00	1	01/01/2024 06:05	WG2198980
Di-isopropyl ether	ND		1.00	1	01/01/2024 06:05	WG2198980
Ethylbenzene	ND		1.00	1	01/01/2024 06:05	WG2198980
Hexachloro-1,3-butadiene	ND		1.00	1	01/01/2024 06:05	WG2198980
Isopropylbenzene	ND		1.00	1	01/01/2024 06:05	WG2198980
p-Isopropyltoluene	ND		1.00	1	01/01/2024 06:05	WG2198980
2-Butanone (MEK)	ND	C3	10.0	1	01/01/2024 06:05	WG2198980
Methylene Chloride	ND		5.00	1	01/01/2024 06:05	WG2198980
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/01/2024 06:05	WG2198980
Methyl tert-butyl ether	ND		1.00	1	01/01/2024 06:05	WG2198980
Naphthalene	ND		5.00	1	01/01/2024 06:05	WG2198980
n-Propylbenzene	ND		1.00	1	01/01/2024 06:05	WG2198980
Styrene	ND		1.00	1	01/01/2024 06:05	WG2198980
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/01/2024 06:05	WG2198980
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/01/2024 06:05	WG2198980
Tetrachloroethene	ND		1.00	1	01/01/2024 06:05	WG2198980
Toluene	ND		1.00	1	01/01/2024 06:05	WG2198980
1,2,3-Trichlorobenzene	ND		1.00	1	01/01/2024 06:05	WG2198980
1,2,4-Trichlorobenzene	ND		1.00	1	01/01/2024 06:05	WG2198980
1,1,1-Trichloroethane	ND		1.00	1	01/01/2024 06:05	WG2198980

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	01/01/2024 06:05	WG2198980
Trichloroethene	ND		1.00	1	01/01/2024 06:05	WG2198980
Trichlorofluoromethane	ND		5.00	1	01/01/2024 06:05	WG2198980
1,2,3-Trichloropropane	ND		2.50	1	01/01/2024 06:05	WG2198980
1,2,4-Trimethylbenzene	ND		1.00	1	01/01/2024 06:05	WG2198980
1,3,5-Trimethylbenzene	ND		1.00	1	01/01/2024 06:05	WG2198980
Vinyl chloride	ND		1.00	1	01/01/2024 06:05	WG2198980
Xylenes, Total	ND		3.00	1	01/01/2024 06:05	WG2198980
(S) Toluene-d8	107		80.0-120		01/01/2024 06:05	WG2198980
(S) 4-Bromofluorobenzene	93.4		77.0-126		01/01/2024 06:05	WG2198980
(S) 1,2-Dichloroethane-d4	95.3		70.0-130		01/01/2024 06:05	WG2198980

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	80.9		1	01/02/2024 08:38	WG2199120

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	1.76		1.24	1	01/04/2024 10:48	WG2199071

Mercury by Method 7471B

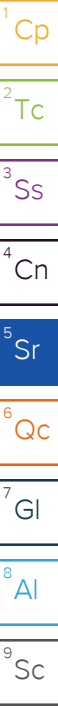
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	0.0652		0.0494	1	12/31/2023 12:15	WG2198641

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		3.71	5	01/05/2024 14:58	WG2198559
Arsenic	1.53		1.24	5	01/04/2024 16:52	WG2198559
Barium	56.7		3.09	5	01/04/2024 16:52	WG2198559
Beryllium	ND		3.09	5	01/04/2024 16:52	WG2198559
Cadmium	ND		1.24	5	01/04/2024 16:52	WG2198559
Chromium	16.1		6.18	5	01/04/2024 16:52	WG2198559
Cobalt	9.38		1.24	5	01/04/2024 16:52	WG2198559
Copper	10.1		6.18	5	01/04/2024 16:52	WG2198559
Lead	14.3		2.47	5	01/04/2024 16:52	WG2198559
Manganese	490		3.09	5	01/04/2024 16:52	WG2198559
Nickel	13.4		3.09	5	01/04/2024 16:52	WG2198559
Selenium	ND		3.09	5	01/04/2024 16:52	WG2198559
Silver	ND		0.618	5	01/04/2024 16:52	WG2198559
Thallium	ND		2.47	5	01/04/2024 16:52	WG2198559
Vanadium	21.1		3.09	5	01/04/2024 16:52	WG2198559
Zinc	ND		30.9	5	01/04/2024 16:52	WG2198559

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND	J4	0.0736	1	01/04/2024 05:27	WG2200463
Acrylonitrile	ND		0.0184	1	01/04/2024 05:27	WG2200463
Benzene	ND		0.00147	1	01/04/2024 05:27	WG2200463
Bromobenzene	ND		0.0184	1	01/04/2024 05:27	WG2200463
Bromodichloromethane	ND		0.00368	1	01/04/2024 05:27	WG2200463
Bromoform	ND		0.0368	1	01/04/2024 05:27	WG2200463
Bromomethane	ND		0.0184	1	01/04/2024 05:27	WG2200463
n-Butylbenzene	ND	C3	0.0184	1	01/04/2024 05:27	WG2200463
sec-Butylbenzene	ND		0.0184	1	01/05/2024 18:22	WG2201583
tert-Butylbenzene	ND		0.00736	1	01/05/2024 18:22	WG2201583
Carbon tetrachloride	ND		0.00736	1	01/04/2024 05:27	WG2200463
Chlorobenzene	ND		0.00368	1	01/04/2024 05:27	WG2200463
Chlorodibromomethane	ND		0.00368	1	01/04/2024 05:27	WG2200463
Chloroethane	ND		0.00736	1	01/04/2024 05:27	WG2200463
Chloroform	ND		0.00368	1	01/04/2024 05:27	WG2200463
Chloromethane	ND		0.0184	1	01/04/2024 05:27	WG2200463
2-Chlorotoluene	ND		0.00368	1	01/04/2024 05:27	WG2200463
4-Chlorotoluene	ND		0.00736	1	01/04/2024 05:27	WG2200463
1,2-Dibromo-3-Chloropropane	ND		0.0368	1	01/04/2024 05:27	WG2200463



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00368	1	01/04/2024 05:27	WG2200463
Dibromomethane	ND		0.00736	1	01/04/2024 05:27	WG2200463
1,2-Dichlorobenzene	ND		0.00736	1	01/04/2024 05:27	WG2200463
1,3-Dichlorobenzene	ND		0.00736	1	01/04/2024 05:27	WG2200463
1,4-Dichlorobenzene	ND		0.00736	1	01/04/2024 05:27	WG2200463
Dichlorodifluoromethane	ND		0.00736	1	01/04/2024 05:27	WG2200463
1,1-Dichloroethane	ND		0.00368	1	01/04/2024 05:27	WG2200463
1,2-Dichloroethane	ND		0.00368	1	01/04/2024 05:27	WG2200463
1,1-Dichloroethene	ND		0.00368	1	01/04/2024 05:27	WG2200463
cis-1,2-Dichloroethene	ND		0.00368	1	01/04/2024 05:27	WG2200463
trans-1,2-Dichloroethene	ND		0.00736	1	01/04/2024 05:27	WG2200463
1,2-Dichloropropane	ND		0.00736	1	01/04/2024 05:27	WG2200463
1,1-Dichloropropene	ND		0.00368	1	01/04/2024 05:27	WG2200463
1,3-Dichloropropane	ND		0.00736	1	01/04/2024 05:27	WG2200463
cis-1,3-Dichloropropene	ND		0.00368	1	01/04/2024 05:27	WG2200463
trans-1,3-Dichloropropene	ND		0.00736	1	01/04/2024 05:27	WG2200463
2,2-Dichloropropane	ND		0.00368	1	01/04/2024 05:27	WG2200463
Di-isopropyl ether	ND		0.00147	1	01/04/2024 05:27	WG2200463
Ethylbenzene	ND		0.00368	1	01/04/2024 05:27	WG2200463
Hexachloro-1,3-butadiene	ND		0.0368	1	01/04/2024 05:27	WG2200463
Isopropylbenzene	ND		0.00368	1	01/04/2024 05:27	WG2200463
p-Isopropyltoluene	0.0599		0.00736	1	01/05/2024 18:22	WG2201583
2-Butanone (MEK)	ND		0.147	1	01/04/2024 05:27	WG2200463
Methylene Chloride	ND		0.0368	1	01/04/2024 05:27	WG2200463
4-Methyl-2-pentanone (MIBK)	ND		0.0368	1	01/04/2024 05:27	WG2200463
Methyl tert-butyl ether	ND		0.00147	1	01/04/2024 05:27	WG2200463
Naphthalene	ND	C3	0.0184	1	01/04/2024 05:27	WG2200463
n-Propylbenzene	ND		0.00736	1	01/04/2024 05:27	WG2200463
Styrene	ND		0.0184	1	01/04/2024 05:27	WG2200463
1,1,1,2-Tetrachloroethane	ND		0.00368	1	01/04/2024 05:27	WG2200463
1,1,2,2-Tetrachloroethane	ND		0.00368	1	01/04/2024 05:27	WG2200463
Tetrachloroethene	ND		0.00368	1	01/04/2024 05:27	WG2200463
Toluene	ND		0.00736	1	01/04/2024 05:27	WG2200463
1,2,3-Trichlorobenzene	ND		0.0184	1	01/04/2024 05:27	WG2200463
1,2,4-Trichlorobenzene	ND		0.0184	1	01/04/2024 05:27	WG2200463
1,1,1-Trichloroethane	ND		0.00368	1	01/04/2024 05:27	WG2200463
1,1,2-Trichloroethane	ND		0.00368	1	01/04/2024 05:27	WG2200463
Trichloroethene	ND		0.00147	1	01/04/2024 05:27	WG2200463
Trichlorofluoromethane	ND		0.00368	1	01/04/2024 05:27	WG2200463
1,2,3-Trichloropropane	ND		0.0184	1	01/04/2024 05:27	WG2200463
1,2,4-Trimethylbenzene	ND	C3	0.00736	1	01/04/2024 05:27	WG2200463
1,3,5-Trimethylbenzene	ND		0.00736	1	01/05/2024 18:22	WG2201583
Vinyl chloride	ND		0.00368	1	01/04/2024 05:27	WG2200463
Xylenes, Total	ND		0.00957	1	01/04/2024 05:27	WG2200463
(S) Toluene-d8	108		75.0-131		01/04/2024 05:27	WG2200463
(S) Toluene-d8	100		75.0-131		01/05/2024 18:22	WG2201583
(S) 4-Bromofluorobenzene	93.1		67.0-138		01/04/2024 05:27	WG2200463
(S) 4-Bromofluorobenzene	100		67.0-138		01/05/2024 18:22	WG2201583
(S) 1,2-Dichloroethane-d4	93.8		70.0-130		01/04/2024 05:27	WG2200463
(S) 1,2-Dichloroethane-d4	93.9		70.0-130		01/05/2024 18:22	WG2201583

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0411	1	01/03/2024 04:14	WG2198815
Acenaphthylene	ND		0.0411	1	01/03/2024 04:14	WG2198815
Anthracene	ND		0.0411	1	01/03/2024 04:14	WG2198815
Benzidine	ND		2.06	1	01/03/2024 04:14	WG2198815
Benzo(a)anthracene	0.0648		0.0411	1	01/03/2024 04:14	WG2198815
Benzo(b)fluoranthene	0.0971		0.0411	1	01/03/2024 04:14	WG2198815
Benzo(k)fluoranthene	ND		0.0411	1	01/03/2024 04:14	WG2198815
Benzo(g,h,i)perylene	ND		0.0411	1	01/03/2024 04:14	WG2198815
Benzo(a)pyrene	0.0677		0.0411	1	01/03/2024 04:14	WG2198815
Bis(2-chloroethoxy)methane	ND		0.411	1	01/03/2024 04:14	WG2198815
Bis(2-chloroethyl)ether	ND		0.411	1	01/03/2024 04:14	WG2198815
2,2-Oxybis(1-Chloropropane)	ND		0.411	1	01/03/2024 04:14	WG2198815
4-Bromophenyl-phenylether	ND		0.411	1	01/03/2024 04:14	WG2198815
2-Chloronaphthalene	ND		0.0411	1	01/03/2024 04:14	WG2198815
4-Chlorophenyl-phenylether	ND		0.411	1	01/03/2024 04:14	WG2198815
Chrysene	0.0741		0.0411	1	01/03/2024 04:14	WG2198815
Dibenz(a,h)anthracene	ND		0.0411	1	01/03/2024 04:14	WG2198815
3,3-Dichlorobenzidine	ND		0.411	1	01/03/2024 04:14	WG2198815
2,4-Dinitrotoluene	ND		0.411	1	01/03/2024 04:14	WG2198815
2,6-Dinitrotoluene	ND		0.411	1	01/03/2024 04:14	WG2198815
Fluoranthene	0.141		0.0411	1	01/03/2024 04:14	WG2198815
Fluorene	ND		0.0411	1	01/03/2024 04:14	WG2198815
Hexachlorobenzene	ND		0.411	1	01/03/2024 04:14	WG2198815
Hexachloro-1,3-butadiene	ND		0.411	1	01/03/2024 04:14	WG2198815
Hexachlorocyclopentadiene	ND		0.411	1	01/03/2024 04:14	WG2198815
Hexachloroethane	ND		0.411	1	01/03/2024 04:14	WG2198815
Indeno(1,2,3-cd)pyrene	0.0413		0.0411	1	01/03/2024 04:14	WG2198815
Isophorone	ND		0.411	1	01/03/2024 04:14	WG2198815
Naphthalene	ND		0.0411	1	01/03/2024 04:14	WG2198815
Nitrobenzene	ND		0.411	1	01/03/2024 04:14	WG2198815
n-Nitrosodimethylamine	ND		0.411	1	01/03/2024 04:14	WG2198815
n-Nitrosodiphenylamine	ND		0.411	1	01/03/2024 04:14	WG2198815
n-Nitrosodi-n-propylamine	ND		0.411	1	01/03/2024 04:14	WG2198815
Phenanthrene	0.0770		0.0411	1	01/03/2024 04:14	WG2198815
Benzylbutyl phthalate	ND		0.411	1	01/03/2024 04:14	WG2198815
Bis(2-ethylhexyl)phthalate	ND		0.411	1	01/03/2024 04:14	WG2198815
Di-n-butyl phthalate	ND		0.411	1	01/03/2024 04:14	WG2198815
Diethyl phthalate	ND		0.411	1	01/03/2024 04:14	WG2198815
Dimethyl phthalate	ND		0.411	1	01/03/2024 04:14	WG2198815
Di-n-octyl phthalate	ND		0.411	1	01/03/2024 04:14	WG2198815
Pyrene	0.123		0.0411	1	01/03/2024 04:14	WG2198815
1,2,4-Trichlorobenzene	ND		0.411	1	01/03/2024 04:14	WG2198815
4-Chloro-3-methylphenol	ND		0.411	1	01/03/2024 04:14	WG2198815
2-Chlorophenol	ND		0.411	1	01/03/2024 04:14	WG2198815
2,4-Dichlorophenol	ND		0.411	1	01/03/2024 04:14	WG2198815
2,4-Dimethylphenol	ND		0.411	1	01/03/2024 04:14	WG2198815
4,6-Dinitro-2-methylphenol	ND		0.411	1	01/03/2024 04:14	WG2198815
2,4-Dinitrophenol	ND		0.411	1	01/03/2024 04:14	WG2198815
2-Nitrophenol	ND		0.411	1	01/03/2024 04:14	WG2198815
4-Nitrophenol	ND		0.411	1	01/03/2024 04:14	WG2198815
Pentachlorophenol	ND		0.411	1	01/03/2024 04:14	WG2198815
Phenol	ND		0.411	1	01/03/2024 04:14	WG2198815
2,4,6-Trichlorophenol	ND		0.411	1	01/03/2024 04:14	WG2198815
(S) 2-Fluorophenol	58.8		12.0-120		01/03/2024 04:14	WG2198815
(S) Phenol-d5	56.2		10.0-120		01/03/2024 04:14	WG2198815
(S) Nitrobenzene-d5	46.5		10.0-122		01/03/2024 04:14	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	49.8		15.0-120		01/03/2024 04:14	WG2198815
(S) 2,4,6-Tribromophenol	54.5		10.0-127		01/03/2024 04:14	WG2198815
(S) p-Terphenyl-d14	56.9		10.0-120		01/03/2024 04:14	WG2198815

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.5		1	01/02/2024 08:38	WG2199120

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.26	1	01/04/2024 10:54	WG2199071

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.102		0.0503	1	12/31/2023 12:18	WG2198641

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	J4	3.77	5	01/04/2024 02:03	WG2198562
Arsenic	3.04		1.26	5	01/04/2024 02:03	WG2198562
Barium	81.5		3.14	5	01/04/2024 02:03	WG2198562
Beryllium	ND		3.14	5	01/04/2024 02:03	WG2198562
Cadmium	ND		1.26	5	01/04/2024 02:03	WG2198562
Chromium	32.1		6.29	5	01/04/2024 02:03	WG2198562
Cobalt	11.0		1.26	5	01/04/2024 02:03	WG2198562
Copper	25.1		6.29	5	01/04/2024 02:03	WG2198562
Lead	51.4		2.52	5	01/04/2024 02:03	WG2198562
Manganese	571		31.4	50	01/04/2024 10:59	WG2198562
Nickel	17.1		3.14	5	01/04/2024 02:03	WG2198562
Selenium	ND		3.14	5	01/04/2024 02:03	WG2198562
Silver	ND		0.629	5	01/04/2024 02:03	WG2198562
Thallium	ND		2.52	5	01/04/2024 02:03	WG2198562
Vanadium	37.2		3.14	5	01/04/2024 02:03	WG2198562
Zinc	70.7		31.4	5	01/04/2024 02:03	WG2198562

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	J4	0.0858	1.16	01/04/2024 05:47	WG2200463
Acrylonitrile	ND		0.0215	1.16	01/04/2024 05:47	WG2200463
Benzene	ND		0.00172	1.16	01/04/2024 05:47	WG2200463
Bromobenzene	ND		0.0215	1.16	01/04/2024 05:47	WG2200463
Bromodichloromethane	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
Bromoform	ND		0.0429	1.16	01/04/2024 05:47	WG2200463
Bromomethane	ND		0.0215	1.16	01/04/2024 05:47	WG2200463
n-Butylbenzene	ND	C3	0.0215	1.16	01/04/2024 05:47	WG2200463
sec-Butylbenzene	ND		0.0215	1.16	01/05/2024 18:41	WG2201583
tert-Butylbenzene	ND		0.00858	1.16	01/05/2024 18:41	WG2201583
Carbon tetrachloride	ND		0.00858	1.16	01/04/2024 05:47	WG2200463
Chlorobenzene	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
Chlorodibromomethane	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
Chloroethane	ND		0.00858	1.16	01/04/2024 05:47	WG2200463
Chloroform	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
Chloromethane	ND		0.0215	1.16	01/04/2024 05:47	WG2200463
2-Chlorotoluene	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
4-Chlorotoluene	ND		0.00858	1.16	01/04/2024 05:47	WG2200463
1,2-Dibromo-3-Chloropropane	ND		0.0429	1.16	01/04/2024 05:47	WG2200463

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
Dibromomethane	ND		0.00858	1.16	01/04/2024 05:47	WG2200463
1,2-Dichlorobenzene	ND		0.00858	1.16	01/04/2024 05:47	WG2200463
1,3-Dichlorobenzene	ND		0.00858	1.16	01/04/2024 05:47	WG2200463
1,4-Dichlorobenzene	ND		0.00858	1.16	01/04/2024 05:47	WG2200463
Dichlorodifluoromethane	ND		0.00858	1.16	01/04/2024 05:47	WG2200463
1,1-Dichloroethane	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
1,2-Dichloroethane	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
1,1-Dichloroethene	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
cis-1,2-Dichloroethene	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
trans-1,2-Dichloroethene	ND		0.00858	1.16	01/04/2024 05:47	WG2200463
1,2-Dichloropropane	ND		0.00858	1.16	01/04/2024 05:47	WG2200463
1,1-Dichloropropene	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
1,3-Dichloropropane	ND		0.00858	1.16	01/04/2024 05:47	WG2200463
cis-1,3-Dichloropropene	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
trans-1,3-Dichloropropene	ND		0.00858	1.16	01/04/2024 05:47	WG2200463
2,2-Dichloropropane	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
Di-isopropyl ether	ND		0.00172	1.16	01/04/2024 05:47	WG2200463
Ethylbenzene	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
Hexachloro-1,3-butadiene	ND		0.0429	1.16	01/04/2024 05:47	WG2200463
Isopropylbenzene	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
p-Isopropyltoluene	ND		0.00858	1.16	01/05/2024 18:41	WG2201583
2-Butanone (MEK)	ND		0.172	1.16	01/04/2024 05:47	WG2200463
Methylene Chloride	ND		0.0429	1.16	01/04/2024 05:47	WG2200463
4-Methyl-2-pentanone (MIBK)	ND		0.0429	1.16	01/04/2024 05:47	WG2200463
Methyl tert-butyl ether	ND		0.00172	1.16	01/04/2024 05:47	WG2200463
Naphthalene	ND	C3	0.0215	1.16	01/04/2024 05:47	WG2200463
n-Propylbenzene	ND		0.00858	1.16	01/04/2024 05:47	WG2200463
Styrene	ND		0.0215	1.16	01/04/2024 05:47	WG2200463
1,1,1,2-Tetrachloroethane	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
1,1,2,2-Tetrachloroethane	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
Tetrachloroethene	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
Toluene	ND		0.00858	1.16	01/04/2024 05:47	WG2200463
1,2,3-Trichlorobenzene	ND		0.0215	1.16	01/04/2024 05:47	WG2200463
1,2,4-Trichlorobenzene	ND		0.0215	1.16	01/04/2024 05:47	WG2200463
1,1,1-Trichloroethane	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
1,1,2-Trichloroethane	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
Trichloroethene	ND		0.00172	1.16	01/04/2024 05:47	WG2200463
Trichlorofluoromethane	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
1,2,3-Trichloropropane	ND		0.0215	1.16	01/04/2024 05:47	WG2200463
1,2,4-Trimethylbenzene	ND	C3	0.00858	1.16	01/04/2024 05:47	WG2200463
1,3,5-Trimethylbenzene	ND		0.00858	1.16	01/05/2024 18:41	WG2201583
Vinyl chloride	ND		0.00429	1.16	01/04/2024 05:47	WG2200463
Xylenes, Total	ND		0.0112	1.16	01/04/2024 05:47	WG2200463
(S) Toluene-d8	111		75.0-131		01/04/2024 05:47	WG2200463
(S) Toluene-d8	99.7		75.0-131		01/05/2024 18:41	WG2201583
(S) 4-Bromofluorobenzene	97.1		67.0-138		01/04/2024 05:47	WG2200463
(S) 4-Bromofluorobenzene	101		67.0-138		01/05/2024 18:41	WG2201583
(S) 1,2-Dichloroethane-d4	94.2		70.0-130		01/04/2024 05:47	WG2200463
(S) 1,2-Dichloroethane-d4	95.1		70.0-130		01/05/2024 18:41	WG2201583

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0419	1	01/03/2024 02:54	WG2198815
Acenaphthylene	ND		0.0419	1	01/03/2024 02:54	WG2198815
Anthracene	ND		0.0419	1	01/03/2024 02:54	WG2198815
Benzidine	ND		2.10	1	01/03/2024 02:54	WG2198815
Benzo(a)anthracene	ND		0.0419	1	01/03/2024 02:54	WG2198815
Benzo(b)fluoranthene	0.0615		0.0419	1	01/03/2024 02:54	WG2198815
Benzo(k)fluoranthene	ND		0.0419	1	01/03/2024 02:54	WG2198815
Benzo(g,h,i)perylene	ND		0.0419	1	01/03/2024 02:54	WG2198815
Benzo(a)pyrene	0.0419		0.0419	1	01/03/2024 02:54	WG2198815
Bis(2-chloroethoxy)methane	ND		0.419	1	01/03/2024 02:54	WG2198815
Bis(2-chloroethyl)ether	ND		0.419	1	01/03/2024 02:54	WG2198815
2,2-Oxybis(1-Chloropropane)	ND		0.419	1	01/03/2024 02:54	WG2198815
4-Bromophenyl-phenylether	ND		0.419	1	01/03/2024 02:54	WG2198815
2-Chloronaphthalene	ND		0.0419	1	01/03/2024 02:54	WG2198815
4-Chlorophenyl-phenylether	ND		0.419	1	01/03/2024 02:54	WG2198815
Chrysene	ND		0.0419	1	01/03/2024 02:54	WG2198815
Dibenz(a,h)anthracene	ND		0.0419	1	01/03/2024 02:54	WG2198815
3,3-Dichlorobenzidine	ND		0.419	1	01/03/2024 02:54	WG2198815
2,4-Dinitrotoluene	ND		0.419	1	01/03/2024 02:54	WG2198815
2,6-Dinitrotoluene	ND		0.419	1	01/03/2024 02:54	WG2198815
Fluoranthene	0.0811		0.0419	1	01/03/2024 02:54	WG2198815
Fluorene	ND		0.0419	1	01/03/2024 02:54	WG2198815
Hexachlorobenzene	ND		0.419	1	01/03/2024 02:54	WG2198815
Hexachloro-1,3-butadiene	ND		0.419	1	01/03/2024 02:54	WG2198815
Hexachlorocyclopentadiene	ND		0.419	1	01/03/2024 02:54	WG2198815
Hexachloroethane	ND		0.419	1	01/03/2024 02:54	WG2198815
Indeno(1,2,3-cd)pyrene	ND		0.0419	1	01/03/2024 02:54	WG2198815
Isophorone	ND		0.419	1	01/03/2024 02:54	WG2198815
Naphthalene	ND		0.0419	1	01/03/2024 02:54	WG2198815
Nitrobenzene	ND		0.419	1	01/03/2024 02:54	WG2198815
n-Nitrosodimethylamine	ND		0.419	1	01/03/2024 02:54	WG2198815
n-Nitrosodiphenylamine	ND		0.419	1	01/03/2024 02:54	WG2198815
n-Nitrosodi-n-propylamine	ND		0.419	1	01/03/2024 02:54	WG2198815
Phenanthrene	ND		0.0419	1	01/03/2024 02:54	WG2198815
Benzylbutyl phthalate	ND		0.419	1	01/03/2024 02:54	WG2198815
Bis(2-ethylhexyl)phthalate	ND		0.419	1	01/03/2024 02:54	WG2198815
Di-n-butyl phthalate	ND		0.419	1	01/03/2024 02:54	WG2198815
Diethyl phthalate	ND		0.419	1	01/03/2024 02:54	WG2198815
Dimethyl phthalate	ND		0.419	1	01/03/2024 02:54	WG2198815
Di-n-octyl phthalate	ND		0.419	1	01/03/2024 02:54	WG2198815
Pyrene	0.0722		0.0419	1	01/03/2024 02:54	WG2198815
1,2,4-Trichlorobenzene	ND		0.419	1	01/03/2024 02:54	WG2198815
4-Chloro-3-methylphenol	ND		0.419	1	01/03/2024 02:54	WG2198815
2-Chlorophenol	ND		0.419	1	01/03/2024 02:54	WG2198815
2,4-Dichlorophenol	ND		0.419	1	01/03/2024 02:54	WG2198815
2,4-Dimethylphenol	ND		0.419	1	01/03/2024 02:54	WG2198815
4,6-Dinitro-2-methylphenol	ND		0.419	1	01/03/2024 02:54	WG2198815
2,4-Dinitrophenol	ND		0.419	1	01/03/2024 02:54	WG2198815
2-Nitrophenol	ND		0.419	1	01/03/2024 02:54	WG2198815
4-Nitrophenol	ND		0.419	1	01/03/2024 02:54	WG2198815
Pentachlorophenol	ND		0.419	1	01/03/2024 02:54	WG2198815
Phenol	ND		0.419	1	01/03/2024 02:54	WG2198815
2,4,6-Trichlorophenol	ND		0.419	1	01/03/2024 02:54	WG2198815
(S) 2-Fluorophenol	54.2		12.0-120		01/03/2024 02:54	WG2198815
(S) Phenol-d5	50.9		10.0-120		01/03/2024 02:54	WG2198815
(S) Nitrobenzene-d5	43.3		10.0-122		01/03/2024 02:54	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	48.3		15.0-120		01/03/2024 02:54	WG2198815
(S) 2,4,6-Tribromophenol	48.1		10.0-127		01/03/2024 02:54	WG2198815
(S) p-Terphenyl-d14	51.7		10.0-120		01/03/2024 02:54	WG2198815

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	81.9		1	01/02/2024 08:38	WG2199120

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.22	1	01/04/2024 11:00	WG2199071

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	0.839		0.0489	1	01/03/2024 10:00	WG2198957

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND	J4	3.66	5	01/04/2024 02:06	WG2198562
Arsenic	7.79		1.22	5	01/04/2024 02:06	WG2198562
Barium	316		30.5	50	01/04/2024 11:03	WG2198562
Beryllium	ND		3.05	5	01/04/2024 02:06	WG2198562
Cadmium	1.41		1.22	5	01/04/2024 02:06	WG2198562
Chromium	32.4		6.11	5	01/04/2024 02:06	WG2198562
Cobalt	6.75		1.22	5	01/04/2024 02:06	WG2198562
Copper	225		6.11	5	01/04/2024 02:06	WG2198562
Lead	654		24.4	50	01/04/2024 11:03	WG2198562
Manganese	552		30.5	50	01/04/2024 11:03	WG2198562
Nickel	26.2		3.05	5	01/04/2024 02:06	WG2198562
Selenium	ND		3.05	5	01/04/2024 02:06	WG2198562
Silver	2.03		0.611	5	01/04/2024 02:06	WG2198562
Thallium	ND		2.44	5	01/04/2024 02:06	WG2198562
Vanadium	19.4		3.05	5	01/04/2024 02:06	WG2198562
Zinc	678		305	50	01/04/2024 11:03	WG2198562

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND	J4	0.107	1.57	01/04/2024 06:06	WG2200463
Acrylonitrile	ND		0.0267	1.57	01/04/2024 06:06	WG2200463
Benzene	ND		0.00214	1.57	01/04/2024 06:06	WG2200463
Bromobenzene	ND		0.0267	1.57	01/04/2024 06:06	WG2200463
Bromodichloromethane	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
Bromoform	ND		0.0535	1.57	01/04/2024 06:06	WG2200463
Bromomethane	ND		0.0267	1.57	01/04/2024 06:06	WG2200463
n-Butylbenzene	ND	C3	0.0267	1.57	01/04/2024 06:06	WG2200463
sec-Butylbenzene	ND		0.0267	1.57	01/05/2024 19:01	WG2201583
tert-Butylbenzene	ND		0.0107	1.57	01/05/2024 19:01	WG2201583
Carbon tetrachloride	ND		0.0107	1.57	01/04/2024 06:06	WG2200463
Chlorobenzene	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
Chlorodibromomethane	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
Chloroethane	ND		0.0107	1.57	01/04/2024 06:06	WG2200463
Chloroform	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
Chloromethane	ND		0.0267	1.57	01/04/2024 06:06	WG2200463
2-Chlorotoluene	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
4-Chlorotoluene	ND		0.0107	1.57	01/04/2024 06:06	WG2200463
1,2-Dibromo-3-Chloropropane	ND		0.0535	1.57	01/04/2024 06:06	WG2200463

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
Dibromomethane	ND		0.0107	1.57	01/04/2024 06:06	WG2200463
1,2-Dichlorobenzene	ND		0.0107	1.57	01/04/2024 06:06	WG2200463
1,3-Dichlorobenzene	ND		0.0107	1.57	01/04/2024 06:06	WG2200463
1,4-Dichlorobenzene	ND		0.0107	1.57	01/04/2024 06:06	WG2200463
Dichlorodifluoromethane	ND		0.0107	1.57	01/04/2024 06:06	WG2200463
1,1-Dichloroethane	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
1,2-Dichloroethane	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
1,1-Dichloroethene	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
cis-1,2-Dichloroethene	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
trans-1,2-Dichloroethene	ND		0.0107	1.57	01/04/2024 06:06	WG2200463
1,2-Dichloropropane	ND		0.0107	1.57	01/04/2024 06:06	WG2200463
1,1-Dichloropropene	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
1,3-Dichloropropane	ND		0.0107	1.57	01/04/2024 06:06	WG2200463
cis-1,3-Dichloropropene	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
trans-1,3-Dichloropropene	ND		0.0107	1.57	01/04/2024 06:06	WG2200463
2,2-Dichloropropane	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
Di-isopropyl ether	ND		0.00214	1.57	01/04/2024 06:06	WG2200463
Ethylbenzene	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
Hexachloro-1,3-butadiene	ND		0.0535	1.57	01/04/2024 06:06	WG2200463
Isopropylbenzene	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
p-Isopropyltoluene	ND		0.0107	1.57	01/05/2024 19:01	WG2201583
2-Butanone (MEK)	ND		0.214	1.57	01/04/2024 06:06	WG2200463
Methylene Chloride	ND		0.0535	1.57	01/04/2024 06:06	WG2200463
4-Methyl-2-pentanone (MIBK)	ND		0.0535	1.57	01/04/2024 06:06	WG2200463
Methyl tert-butyl ether	ND		0.00214	1.57	01/04/2024 06:06	WG2200463
Naphthalene	ND	C3	0.0267	1.57	01/04/2024 06:06	WG2200463
n-Propylbenzene	ND		0.0107	1.57	01/04/2024 06:06	WG2200463
Styrene	ND		0.0267	1.57	01/04/2024 06:06	WG2200463
1,1,1,2-Tetrachloroethane	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
1,1,2,2-Tetrachloroethane	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
Tetrachloroethene	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
Toluene	ND		0.0107	1.57	01/04/2024 06:06	WG2200463
1,2,3-Trichlorobenzene	ND		0.0267	1.57	01/04/2024 06:06	WG2200463
1,2,4-Trichlorobenzene	ND		0.0267	1.57	01/04/2024 06:06	WG2200463
1,1,1-Trichloroethane	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
1,1,2-Trichloroethane	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
Trichloroethene	ND		0.00214	1.57	01/04/2024 06:06	WG2200463
Trichlorofluoromethane	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
1,2,3-Trichloropropane	ND		0.0267	1.57	01/04/2024 06:06	WG2200463
1,2,4-Trimethylbenzene	ND	C3	0.0107	1.57	01/04/2024 06:06	WG2200463
1,3,5-Trimethylbenzene	ND		0.0107	1.57	01/05/2024 19:01	WG2201583
Vinyl chloride	ND		0.00535	1.57	01/04/2024 06:06	WG2200463
Xylenes, Total	ND		0.0139	1.57	01/04/2024 06:06	WG2200463
(S) Toluene-d8	109		75.0-131		01/04/2024 06:06	WG2200463
(S) Toluene-d8	99.9		75.0-131		01/05/2024 19:01	WG2201583
(S) 4-Bromofluorobenzene	88.8		67.0-138		01/04/2024 06:06	WG2200463
(S) 4-Bromofluorobenzene	101		67.0-138		01/05/2024 19:01	WG2201583
(S) 1,2-Dichloroethane-d4	97.2		70.0-130		01/04/2024 06:06	WG2200463
(S) 1,2-Dichloroethane-d4	93.3		70.0-130		01/05/2024 19:01	WG2201583

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0407	1	01/03/2024 03:34	WG2198815
Acenaphthylene	ND		0.0407	1	01/03/2024 03:34	WG2198815
Anthracene	ND		0.0407	1	01/03/2024 03:34	WG2198815
Benzidine	ND		2.04	1	01/03/2024 03:34	WG2198815
Benzo(a)anthracene	ND		0.0407	1	01/03/2024 03:34	WG2198815
Benzo(b)fluoranthene	0.0490		0.0407	1	01/03/2024 03:34	WG2198815
Benzo(k)fluoranthene	ND		0.0407	1	01/03/2024 03:34	WG2198815
Benzo(g,h,i)perylene	ND		0.0407	1	01/03/2024 03:34	WG2198815
Benzo(a)pyrene	ND		0.0407	1	01/03/2024 03:34	WG2198815
Bis(2-chloroethoxy)methane	ND		0.407	1	01/03/2024 03:34	WG2198815
Bis(2-chloroethyl)ether	ND		0.407	1	01/03/2024 03:34	WG2198815
2,2-Oxybis(1-Chloropropane)	ND		0.407	1	01/03/2024 03:34	WG2198815
4-Bromophenyl-phenylether	ND		0.407	1	01/03/2024 03:34	WG2198815
2-Chloronaphthalene	ND		0.0407	1	01/03/2024 03:34	WG2198815
4-Chlorophenyl-phenylether	ND		0.407	1	01/03/2024 03:34	WG2198815
Chrysene	ND		0.0407	1	01/03/2024 03:34	WG2198815
Dibenz(a,h)anthracene	ND		0.0407	1	01/03/2024 03:34	WG2198815
3,3-Dichlorobenzidine	ND		0.407	1	01/03/2024 03:34	WG2198815
2,4-Dinitrotoluene	ND		0.407	1	01/03/2024 03:34	WG2198815
2,6-Dinitrotoluene	ND		0.407	1	01/03/2024 03:34	WG2198815
Fluoranthene	0.0542		0.0407	1	01/03/2024 03:34	WG2198815
Fluorene	ND		0.0407	1	01/03/2024 03:34	WG2198815
Hexachlorobenzene	ND		0.407	1	01/03/2024 03:34	WG2198815
Hexachloro-1,3-butadiene	ND		0.407	1	01/03/2024 03:34	WG2198815
Hexachlorocyclopentadiene	ND		0.407	1	01/03/2024 03:34	WG2198815
Hexachloroethane	ND		0.407	1	01/03/2024 03:34	WG2198815
Indeno(1,2,3-cd)pyrene	ND		0.0407	1	01/03/2024 03:34	WG2198815
Isophorone	ND		0.407	1	01/03/2024 03:34	WG2198815
Naphthalene	ND		0.0407	1	01/03/2024 03:34	WG2198815
Nitrobenzene	ND		0.407	1	01/03/2024 03:34	WG2198815
n-Nitrosodimethylamine	ND		0.407	1	01/03/2024 03:34	WG2198815
n-Nitrosodiphenylamine	ND		0.407	1	01/03/2024 03:34	WG2198815
n-Nitrosodi-n-propylamine	ND		0.407	1	01/03/2024 03:34	WG2198815
Phenanthrene	ND		0.0407	1	01/03/2024 03:34	WG2198815
Benzylbutyl phthalate	ND		0.407	1	01/03/2024 03:34	WG2198815
Bis(2-ethylhexyl)phthalate	ND		0.407	1	01/03/2024 03:34	WG2198815
Di-n-butyl phthalate	ND		0.407	1	01/03/2024 03:34	WG2198815
Diethyl phthalate	ND		0.407	1	01/03/2024 03:34	WG2198815
Dimethyl phthalate	ND		0.407	1	01/03/2024 03:34	WG2198815
Di-n-octyl phthalate	ND		0.407	1	01/03/2024 03:34	WG2198815
Pyrene	0.0509		0.0407	1	01/03/2024 03:34	WG2198815
1,2,4-Trichlorobenzene	ND		0.407	1	01/03/2024 03:34	WG2198815
4-Chloro-3-methylphenol	ND		0.407	1	01/03/2024 03:34	WG2198815
2-Chlorophenol	ND		0.407	1	01/03/2024 03:34	WG2198815
2,4-Dichlorophenol	ND		0.407	1	01/03/2024 03:34	WG2198815
2,4-Dimethylphenol	ND		0.407	1	01/03/2024 03:34	WG2198815
4,6-Dinitro-2-methylphenol	ND		0.407	1	01/03/2024 03:34	WG2198815
2,4-Dinitrophenol	ND		0.407	1	01/03/2024 03:34	WG2198815
2-Nitrophenol	ND		0.407	1	01/03/2024 03:34	WG2198815
4-Nitrophenol	ND		0.407	1	01/03/2024 03:34	WG2198815
Pentachlorophenol	ND		0.407	1	01/03/2024 03:34	WG2198815
Phenol	ND		0.407	1	01/03/2024 03:34	WG2198815
2,4,6-Trichlorophenol	ND		0.407	1	01/03/2024 03:34	WG2198815
(S) 2-Fluorophenol	55.9		12.0-120		01/03/2024 03:34	WG2198815
(S) Phenol-d5	52.4		10.0-120		01/03/2024 03:34	WG2198815
(S) Nitrobenzene-d5	45.2		10.0-122		01/03/2024 03:34	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	50.3		15.0-120		01/03/2024 03:34	WG2198815
(S) 2,4,6-Tribromophenol	53.5		10.0-127		01/03/2024 03:34	WG2198815
(S) p-Terphenyl-d14	54.8		10.0-120		01/03/2024 03:34	WG2198815

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

Method Blank (MB)

(MB) R4018650-1 12/30/23 10:11

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00500	↓		

1 Cp

2 Tc

3 Ss

L1692206-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1692206-03 12/30/23 10:11 • (DUP) R4018650-3 12/30/23 10:11

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	91.6	89.8	1	2.00		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4018650-2 12/30/23 10:11

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	49.9	99.9	90.0-110	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4019086-1 01/02/24 08:31

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00300			

1 Cp

2 Tc

3 Ss

L1692209-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1692209-05 01/02/24 08:31 • (DUP) R4019086-3 01/02/24 08:31

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	82.2	83.8	1	1.86		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4019086-2 01/02/24 08:31

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4019096-1 01/02/24 08:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

1 Cp

2 Tc

3 Ss

L1692273-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1692273-04 01/02/24 08:38 • (DUP) R4019096-3 01/02/24 08:38

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	86.6	88.2	1	1.88		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4019096-2 01/02/24 08:38

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4019701-1 01/04/24 08:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1692209-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1692209-02 01/04/24 09:15 • (DUP) R4019701-3 01/04/24 09:21

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

L1692273-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1692273-08 01/04/24 12:39 • (DUP) R4019701-12 01/04/24 12:45

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4019701-2 01/04/24 09:02

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.6	106	80.0-120	

L1692209-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692209-08 01/04/24 10:10 • (MS) R4019701-4 01/04/24 10:17 • (MSD) R4019701-5 01/04/24 10:23

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	22.9	ND	20.2	20.1	88.0	88.0	1	75.0-125			0.0983	20

L1692273-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692273-06 01/04/24 11:49 • (MS) R4019701-8 01/04/24 11:56 • (MSD) R4019701-9 01/04/24 12:02

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
Hexavalent Chromium	24.4	ND	19.8	23.4	81.4	96.0	1	75.0-125			16.5	20

1 Cp

2 Tc

3 Ss

L1692209-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1692209-08 01/04/24 10:10 • (MS) R4019701-6 01/04/24 10:29

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	742	ND	820	110	50	75.0-125	

4 Cn

5 Sr

6 Qc

L1692273-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1692273-06 01/04/24 11:49 • (MS) R4019701-10 01/04/24 12:08

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	783	ND	786	100	50	75.0-125	

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4018542-1 12/31/23 11:07

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R4018542-2 12/31/23 11:09

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.581	116	80.0-120	

⁴Cn

⁵Sr

L1692124-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692124-04 12/31/23 11:12 • (MS) R4018542-3 12/31/23 11:14 • (MSD) R4018542-4 12/31/23 11:17

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.500	ND	0.505	0.526	101	105	1	75.0-125			4.01	20

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4019056-1 01/03/24 08:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R4019056-2 01/03/24 08:40

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.453	90.5	80.0-120	

⁴Cn

⁵Sr

L1692157-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692157-10 01/03/24 08:43 • (MS) R4019056-3 01/03/24 08:45 • (MSD) R4019056-5 01/03/24 08:59

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.500	ND	0.412	0.406	82.4	81.2	1	75.0-125			1.48	20

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4019839-3 01/04/24 15:30

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	0.296	U	0.133	5.00
Lead	0.134	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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4019839-1 01/04/24 15:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	94.2	94.2	80.0-120	
Arsenic	100	92.0	92.0	80.0-120	
Barium	100	88.9	88.9	80.0-120	
Beryllium	100	92.1	92.1	80.0-120	
Cadmium	100	94.1	94.1	80.0-120	
Chromium	100	91.9	91.9	80.0-120	
Cobalt	100	93.4	93.4	80.0-120	
Copper	100	90.9	90.9	80.0-120	
Lead	100	90.7	90.7	80.0-120	
Manganese	100	93.6	93.6	80.0-120	
Nickel	100	90.4	90.4	80.0-120	
Selenium	100	92.7	92.7	80.0-120	
Silver	20.0	19.2	96.0	80.0-120	
Thallium	100	93.3	93.3	80.0-120	
Vanadium	100	90.3	90.3	80.0-120	
Zinc	100	91.1	91.1	80.0-120	

L1692157-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692157-02 01/04/24 15:23 • (MS) R4019839-5 01/04/24 15:36 • (MSD) R4019839-6 01/04/24 15:39

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 %
Antimony	100	ND	68.4	67.1	68.4	67.1	5	75.0-125	J6	J6	1.98	20
Arsenic	100	2.26	85.9	86.0	83.6	83.8	5	75.0-125			0.218	20
Barium	100	60.7	138	138	77.0	77.5	5	75.0-125			0.375	20
Beryllium	100	ND	83.2	84.0	82.9	83.7	5	75.0-125		LE	0.951	20
Cadmium	100	ND	87.4	87.6	87.4	87.6	5	75.0-125			0.281	20
Chromium	100	5.16	88.4	92.1	83.3	87.0	5	75.0-125			4.12	20
Cobalt	100	2.74	89.1	88.0	86.3	85.2	5	75.0-125			1.25	20
Copper	100	5.28	89.0	86.6	83.7	81.3	5	75.0-125			2.75	20
Lead	100	5.19	90.9	89.5	85.7	84.3	5	75.0-125			1.60	20
Manganese	100	157	247	229	90.5	72.5	5	75.0-125		J6	7.57	20
Nickel	100	5.10	86.9	90.3	81.8	85.2	5	75.0-125			3.87	20
Selenium	100	ND	85.3	84.4	85.3	84.4	5	75.0-125			1.12	20
Silver	20.0	ND	17.8	18.1	88.9	90.5	5	75.0-125			1.84	20
Thallium	100	ND	86.5	86.6	86.3	86.4	5	75.0-125			0.140	20
Vanadium	100	14.0	98.0	99.4	84.0	85.4	5	75.0-125			1.40	20
Zinc	100	ND	101	103	81.4	83.3	5	75.0-125			1.86	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4019557-1 01/04/24 01:07

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	0.462	<u>J</u>	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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4019557-2 01/04/24 01:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	124	124	80.0-120	<u>J4</u>
Arsenic	100	109	109	80.0-120	
Barium	100	102	102	80.0-120	
Beryllium	100	99.3	99.3	80.0-120	
Cadmium	100	106	106	80.0-120	
Chromium	100	107	107	80.0-120	
Cobalt	100	109	109	80.0-120	
Copper	100	97.6	97.6	80.0-120	
Lead	100	106	106	80.0-120	
Manganese	100	109	109	80.0-120	
Nickel	100	106	106	80.0-120	
Selenium	100	109	109	80.0-120	
Silver	20.0	22.3	111	80.0-120	
Thallium	100	107	107	80.0-120	
Vanadium	100	107	107	80.0-120	
Zinc	100	106	106	80.0-120	

L1691831-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1691831-03 01/04/24 01:13 • (MS) R4019557-5 01/04/24 01:23 • (MSD) R4019557-6 01/04/24 01:26

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	150	ND	105	99.4	69.9	65.9	5	75.0-125	J6	J6	5.77	20
Arsenic	150	4.69	151	148	97.4	95.5	5	75.0-125			1.88	20
Barium	150	98.8	255	268	104	113	5	75.0-125			5.05	20
Beryllium	150	ND	134	124	88.7	82.6	5	75.0-125			7.18	20
Cadmium	150	ND	148	147	98.6	97.8	5	75.0-125			0.830	20
Chromium	150	17.3	160	160	95.2	95.4	5	75.0-125			0.184	20
Cobalt	150	4.19	147	144	95.0	93.5	5	75.0-125			1.52	20
Copper	150	42.6	174	182	87.7	92.9	5	75.0-125			4.39	20
Lead	150	24.2	169	170	96.7	97.0	5	75.0-125			0.259	20
Manganese	150	207	354	389	97.9	121	5	75.0-125			9.48	20
Nickel	150	10.3	151	150	94.0	93.4	5	75.0-125			0.589	20
Selenium	150	ND	158	154	104	101	5	75.0-125			2.31	20
Silver	30.0	ND	31.5	30.5	103	100	5	75.0-125			3.19	20
Thallium	150	ND	147	145	97.4	96.5	5	75.0-125			0.951	20
Vanadium	150	17.9	166	164	98.6	97.3	5	75.0-125			1.14	20
Zinc	150	102	244	252	94.6	100	5	75.0-125			3.48	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4018799-2 01/01/24 05:20

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4018799-2 01/01/24 05:20

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	114			80.0-120
(S) 4-Bromofluorobenzene	88.8			77.0-126
(S) 1,2-Dichloroethane-d4	98.7			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4018799-1 01/01/24 04:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	20.3	81.2	19.0-160	
Acrolein	25.0	22.5	90.0	10.0-160	
Acrylonitrile	25.0	24.2	96.8	55.0-149	
Benzene	5.00	5.33	107	70.0-123	
Bromobenzene	5.00	4.39	87.8	73.0-121	
Bromodichloromethane	5.00	4.66	93.2	75.0-120	

Laboratory Control Sample (LCS)

(LCS) R4018799-1 01/01/24 04:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Bromoform	5.00	4.87	97.4	68.0-132	
Bromomethane	5.00	5.39	108	10.0-160	
n-Butylbenzene	5.00	4.68	93.6	73.0-125	
sec-Butylbenzene	5.00	5.07	101	75.0-125	
tert-Butylbenzene	5.00	5.30	106	76.0-124	
Carbon tetrachloride	5.00	4.62	92.4	68.0-126	
Chlorobenzene	5.00	5.33	107	80.0-121	
Chlorodibromomethane	5.00	4.86	97.2	77.0-125	
Chloroethane	5.00	5.50	110	47.0-150	
Chloroform	5.00	5.08	102	73.0-120	
Chloromethane	5.00	6.80	136	41.0-142	
2-Chlorotoluene	5.00	5.15	103	76.0-123	
4-Chlorotoluene	5.00	4.63	92.6	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.38	87.6	58.0-134	
1,2-Dibromoethane	5.00	5.00	100	80.0-122	
Dibromomethane	5.00	4.62	92.4	80.0-120	
1,2-Dichlorobenzene	5.00	5.26	105	79.0-121	
1,3-Dichlorobenzene	5.00	5.19	104	79.0-120	
1,4-Dichlorobenzene	5.00	4.73	94.6	79.0-120	
Dichlorodifluoromethane	5.00	7.53	151	51.0-149	J4
1,1-Dichloroethane	5.00	4.92	98.4	70.0-126	
1,2-Dichloroethane	5.00	4.90	98.0	70.0-128	
1,1-Dichloroethene	5.00	7.05	141	71.0-124	J4
cis-1,2-Dichloroethene	5.00	5.11	102	73.0-120	
trans-1,2-Dichloroethene	5.00	5.66	113	73.0-120	
1,2-Dichloropropane	5.00	5.79	116	77.0-125	
1,1-Dichloropropene	5.00	5.15	103	74.0-126	
1,3-Dichloropropane	5.00	4.95	99.0	80.0-120	
cis-1,3-Dichloropropene	5.00	4.14	82.8	80.0-123	
trans-1,3-Dichloropropene	5.00	3.81	76.2	78.0-124	J4
2,2-Dichloropropane	5.00	4.21	84.2	58.0-130	
Di-isopropyl ether	5.00	5.53	111	58.0-138	
Ethylbenzene	5.00	5.26	105	79.0-123	
Hexachloro-1,3-butadiene	5.00	5.43	109	54.0-138	
Isopropylbenzene	5.00	5.48	110	76.0-127	
p-Isopropyltoluene	5.00	5.19	104	76.0-125	
2-Butanone (MEK)	25.0	17.4	69.6	44.0-160	
Methylene Chloride	5.00	5.07	101	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	25.5	102	68.0-142	
Methyl tert-butyl ether	5.00	5.21	104	68.0-125	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4018799-1 01/01/24 04:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Naphthalene	5.00	4.09	81.8	54.0-135	
n-Propylbenzene	5.00	5.05	101	77.0-124	
Styrene	5.00	4.37	87.4	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.62	112	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.81	96.2	65.0-130	
Tetrachloroethene	5.00	5.89	118	72.0-132	
Toluene	5.00	5.27	105	79.0-120	
1,2,3-Trichlorobenzene	5.00	4.65	93.0	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.49	89.8	57.0-137	
1,1,1-Trichloroethane	5.00	5.40	108	73.0-124	
1,1,2-Trichloroethane	5.00	5.09	102	80.0-120	
Trichloroethene	5.00	5.62	112	78.0-124	
Trichlorofluoromethane	5.00	6.45	129	59.0-147	
1,2,3-Trichloropropane	5.00	4.85	97.0	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.79	95.8	76.0-121	
1,3,5-Trimethylbenzene	5.00	5.36	107	76.0-122	
Vinyl chloride	5.00	6.55	131	67.0-131	
Xylenes, Total	15.0	15.7	105	79.0-123	
<i>(S) Toluene-d8</i>			110	80.0-120	
<i>(S) 4-Bromofluorobenzene</i>			97.1	77.0-126	
<i>(S) 1,2-Dichloroethane-d4</i>			101	70.0-130	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4020065-3 01/03/24 23:54

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4020065-3 01/03/24 23:54

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	104			75.0-131
(S) 4-Bromofluorobenzene	99.1			67.0-138
(S) 1,2-Dichloroethane-d4	90.9			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020065-1 01/03/24 22:19 • (LCSD) R4020065-2 01/03/24 22:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.523	0.532	83.7	85.1	10.0-160			1.71	31
Acrylonitrile	0.625	0.592	0.626	94.7	100	45.0-153			5.58	22
Benzene	0.125	0.116	0.127	92.8	102	70.0-123			9.05	20
Bromobenzene	0.125	0.129	0.135	103	108	73.0-121			4.55	20
Bromodichloromethane	0.125	0.119	0.130	95.2	104	73.0-121			8.84	20
Bromoform	0.125	0.115	0.126	92.0	101	64.0-132			9.13	20
Bromomethane	0.125	0.119	0.136	95.2	109	56.0-147			13.3	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020065-1 01/03/24 22:19 • (LCSD) R4020065-2 01/03/24 22:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.139	0.141	111	113	68.0-135			1.43	20
sec-Butylbenzene	0.125	0.133	0.143	106	114	74.0-130			7.25	20
tert-Butylbenzene	0.125	0.129	0.137	103	110	75.0-127			6.02	20
Carbon tetrachloride	0.125	0.139	0.151	111	121	66.0-128			8.28	20
Chlorobenzene	0.125	0.129	0.139	103	111	76.0-128			7.46	20
Chlorodibromomethane	0.125	0.119	0.134	95.2	107	74.0-127			11.9	20
Chloroethane	0.125	0.135	0.156	108	125	61.0-134			14.4	20
Chloroform	0.125	0.119	0.133	95.2	106	72.0-123			11.1	20
Chloromethane	0.125	0.118	0.141	94.4	113	51.0-138			17.8	20
2-Chlorotoluene	0.125	0.131	0.133	105	106	75.0-124			1.52	20
4-Chlorotoluene	0.125	0.128	0.132	102	106	75.0-124			3.08	20
1,2-Dibromo-3-Chloropropane	0.125	0.123	0.131	98.4	105	59.0-130			6.30	20
1,2-Dibromoethane	0.125	0.121	0.127	96.8	102	74.0-128			4.84	20
Dibromomethane	0.125	0.123	0.130	98.4	104	75.0-122			5.53	20
1,2-Dichlorobenzene	0.125	0.131	0.138	105	110	76.0-124			5.20	20
1,3-Dichlorobenzene	0.125	0.123	0.131	98.4	105	76.0-125			6.30	20
1,4-Dichlorobenzene	0.125	0.120	0.127	96.0	102	77.0-121			5.67	20
Dichlorodifluoromethane	0.125	0.140	0.152	112	122	43.0-156			8.22	20
1,1-Dichloroethane	0.125	0.121	0.135	96.8	108	70.0-127			10.9	20
1,2-Dichloroethane	0.125	0.111	0.116	88.8	92.8	65.0-131			4.41	20
1,1-Dichloroethene	0.125	0.127	0.142	102	114	65.0-131			11.2	20
cis-1,2-Dichloroethene	0.125	0.118	0.126	94.4	101	73.0-125			6.56	20
trans-1,2-Dichloroethene	0.125	0.116	0.127	92.8	102	71.0-125			9.05	20
1,2-Dichloropropane	0.125	0.125	0.135	100	108	74.0-125			7.69	20
1,1-Dichloropropene	0.125	0.129	0.142	103	114	73.0-125			9.59	20
1,3-Dichloropropane	0.125	0.125	0.132	100	106	80.0-125			5.45	20
cis-1,3-Dichloropropene	0.125	0.130	0.131	104	105	76.0-127			0.766	20
trans-1,3-Dichloropropene	0.125	0.123	0.129	98.4	103	73.0-127			4.76	20
2,2-Dichloropropane	0.125	0.118	0.132	94.4	106	59.0-135			11.2	20
Di-isopropyl ether	0.125	0.118	0.130	94.4	104	60.0-136			9.68	20
Ethylbenzene	0.125	0.129	0.140	103	112	74.0-126			8.18	20
Hexachloro-1,3-butadiene	0.125	0.149	0.159	119	127	57.0-150			6.49	20
Isopropylbenzene	0.125	0.131	0.145	105	116	72.0-127			10.1	20
p-Isopropyltoluene	0.125	0.135	0.141	108	113	72.0-133			4.35	20
2-Butanone (MEK)	0.625	0.623	0.559	99.7	89.4	30.0-160			10.8	24
Methylene Chloride	0.125	0.112	0.122	89.6	97.6	68.0-123			8.55	20
4-Methyl-2-pentanone (MIBK)	0.625	0.665	0.689	106	110	56.0-143			3.55	20
Methyl tert-butyl ether	0.125	0.121	0.132	96.8	106	66.0-132			8.70	20
Naphthalene	0.125	0.133	0.143	106	114	59.0-130			7.25	20
n-Propylbenzene	0.125	0.129	0.133	103	106	74.0-126			3.05	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020065-1 01/03/24 22:19 • (LCSD) R4020065-2 01/03/24 22:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Styrene	0.125	0.123	0.131	98.4	105	72.0-127			6.30	20
1,1,1,2-Tetrachloroethane	0.125	0.123	0.132	98.4	106	74.0-129			7.06	20
1,1,2,2-Tetrachloroethane	0.125	0.120	0.120	96.0	96.0	68.0-128			0.000	20
Tetrachloroethene	0.125	0.141	0.147	113	118	70.0-136			4.17	20
Toluene	0.125	0.121	0.130	96.8	104	75.0-121			7.17	20
1,2,3-Trichlorobenzene	0.125	0.147	0.151	118	121	59.0-139			2.68	20
1,2,4-Trichlorobenzene	0.125	0.144	0.151	115	121	62.0-137			4.75	20
1,1,1-Trichloroethane	0.125	0.127	0.145	102	116	69.0-126			13.2	20
1,1,2-Trichloroethane	0.125	0.128	0.128	102	102	78.0-123			0.000	20
Trichloroethene	0.125	0.125	0.144	100	115	76.0-126			14.1	20
Trichlorofluoromethane	0.125	0.139	0.158	111	126	61.0-142			12.8	20
1,2,3-Trichloropropane	0.125	0.114	0.110	91.2	88.0	67.0-129			3.57	20
1,2,4-Trimethylbenzene	0.125	0.120	0.130	96.0	104	70.0-126			8.00	20
1,3,5-Trimethylbenzene	0.125	0.125	0.128	100	102	73.0-127			2.37	20
Vinyl chloride	0.125	0.139	0.156	111	125	63.0-134			11.5	20
Xylenes, Total	0.375	0.385	0.419	103	112	72.0-127			8.46	20
(S) Toluene-d8				102	101	75.0-131				
(S) 4-Bromofluorobenzene				99.3	104	67.0-138				
(S) 1,2-Dichloroethane-d4				99.5	97.1	70.0-130				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1691919-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1691919-05 01/04/24 00:46 • (MS) R4020065-4 01/04/24 06:45 • (MSD) R4020065-5 01/04/24 07:04

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acetone	0.838	ND	0.393	0.301	46.9	35.9	1.34	10.0-160			26.5	40
Acrylonitrile	0.838	ND	0.811	0.643	96.8	76.7	1.34	10.0-160			23.1	40
Benzene	0.168	ND	0.195	0.175	116	104	1.34	10.0-149			10.8	37
Bromobenzene	0.168	ND	0.221	0.199	132	118	1.34	10.0-156			10.5	38
Bromodichloromethane	0.168	ND	0.182	0.170	108	101	1.34	10.0-143			6.82	37
Bromoform	0.168	ND	0.179	0.157	107	93.5	1.34	10.0-146			13.1	36
Bromomethane	0.168	ND	0.103	0.0996	61.3	59.3	1.34	10.0-149			3.36	38
n-Butylbenzene	0.168	ND	0.226	0.208	135	124	1.34	10.0-160			8.29	40
sec-Butylbenzene	0.168	ND	0.229	0.206	136	123	1.34	10.0-159			10.6	39
tert-Butylbenzene	0.168	ND	0.235	0.209	140	124	1.34	10.0-156			11.7	39
Carbon tetrachloride	0.168	ND	0.229	0.217	136	129	1.34	10.0-145			5.38	37
Chlorobenzene	0.168	ND	0.218	0.189	130	113	1.34	10.0-152			14.3	39
Chlorodibromomethane	0.168	ND	0.200	0.174	119	104	1.34	10.0-146			13.9	37
Chloroethane	0.168	ND	0.0664	0.0599	39.5	35.7	1.34	10.0-146			10.3	40

L1691919-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1691919-05 01/04/24 00:46 • (MS) R4020065-4 01/04/24 06:45 • (MSD) R4020065-5 01/04/24 07:04

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 %
Chloroform	0.168	ND	0.197	0.185	117	110	1.34	10.0-146			6.28	37
Chloromethane	0.168	ND	0.230	0.204	137	121	1.34	10.0-159			12.0	37
2-Chlorotoluene	0.168	ND	0.222	0.192	132	114	1.34	10.0-159			14.5	38
4-Chlorotoluene	0.168	ND	0.215	0.192	128	114	1.34	10.0-155			11.3	39
1,2-Dibromo-3-Chloropropane	0.168	ND	0.141	0.126	83.9	75.0	1.34	10.0-151			11.2	39
1,2-Dibromoethane	0.168	ND	0.201	0.177	120	105	1.34	10.0-148			12.7	34
Dibromomethane	0.168	ND	0.188	0.168	112	100	1.34	10.0-147			11.2	35
1,2-Dichlorobenzene	0.168	ND	0.205	0.189	122	113	1.34	10.0-155			8.12	37
1,3-Dichlorobenzene	0.168	ND	0.206	0.185	123	110	1.34	10.0-153			10.7	38
1,4-Dichlorobenzene	0.168	ND	0.201	0.181	120	108	1.34	10.0-151			10.5	38
Dichlorodifluoromethane	0.168	ND	0.211	0.213	126	127	1.34	10.0-160			0.943	35
1,1-Dichloroethane	0.168	ND	0.199	0.179	118	107	1.34	10.0-147			10.6	37
1,2-Dichloroethane	0.168	ND	0.166	0.148	98.8	88.1	1.34	10.0-148			11.5	35
1,1-Dichloroethene	0.168	ND	0.230	0.207	137	123	1.34	10.0-155			10.5	37
cis-1,2-Dichloroethene	0.168	ND	0.191	0.175	114	104	1.34	10.0-149			8.74	37
trans-1,2-Dichloroethene	0.168	ND	0.202	0.179	120	107	1.34	10.0-150			12.1	37
1,2-Dichloropropane	0.168	ND	0.201	0.190	120	113	1.34	10.0-148			5.63	37
1,1-Dichloropropene	0.168	ND	0.213	0.204	127	121	1.34	10.0-153			4.32	35
1,3-Dichloropropane	0.168	ND	0.211	0.183	126	109	1.34	10.0-154			14.2	35
cis-1,3-Dichloropropene	0.168	ND	0.192	0.181	114	108	1.34	10.0-151			5.90	37
trans-1,3-Dichloropropene	0.168	ND	0.211	0.182	126	108	1.34	10.0-148			14.8	37
2,2-Dichloropropane	0.168	ND	0.161	0.157	95.8	93.5	1.34	10.0-138			2.52	36
Di-isopropyl ether	0.168	ND	0.196	0.180	117	107	1.34	10.0-147			8.51	36
Ethylbenzene	0.168	ND	0.217	0.197	129	117	1.34	10.0-160			9.66	38
Hexachloro-1,3-butadiene	0.168	ND	0.258	0.277	154	165	1.34	10.0-160		J5	7.10	40
Isopropylbenzene	0.168	ND	0.224	0.195	133	116	1.34	10.0-155			13.8	38
p-Isopropyltoluene	0.168	ND	0.229	0.200	136	119	1.34	10.0-160			13.5	40
2-Butanone (MEK)	0.838	ND	0.881	0.803	105	95.8	1.34	10.0-160			9.26	40
Methylene Chloride	0.168	ND	0.193	0.169	115	101	1.34	10.0-141			13.3	37
4-Methyl-2-pentanone (MIBK)	0.838	ND	0.890	0.790	106	94.3	1.34	10.0-160			11.9	35
Methyl tert-butyl ether	0.168	ND	0.195	0.178	116	106	1.34	11.0-147			9.12	35
Naphthalene	0.168	ND	0.157	0.152	93.5	90.5	1.34	10.0-160			3.24	36
n-Propylbenzene	0.168	ND	0.225	0.196	134	117	1.34	10.0-158			13.8	38
Styrene	0.168	ND	0.220	0.192	131	114	1.34	10.0-160			13.6	40
1,1,1,2-Tetrachloroethane	0.168	ND	0.200	0.174	119	104	1.34	10.0-149			13.9	39
1,1,2,2-Tetrachloroethane	0.168	ND	0.168	0.146	100	86.9	1.34	10.0-160			14.0	35
Tetrachloroethene	0.168	ND	0.249	0.231	148	138	1.34	10.0-156			7.50	39
Toluene	0.168	ND	0.215	0.191	128	114	1.34	10.0-156			11.8	38
1,2,3-Trichlorobenzene	0.168	ND	0.201	0.198	120	118	1.34	10.0-160			1.50	40
1,2,4-Trichlorobenzene	0.168	ND	0.204	0.201	121	120	1.34	10.0-160			1.48	40

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1691919-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1691919-05 01/04/24 00:46 • (MS) R4020065-4 01/04/24 06:45 • (MSD) R4020065-5 01/04/24 07:04

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 %
1,1,1-Trichloroethane	0.168	ND	0.216	0.200	129	119	1.34	10.0-144			7.69	35
1,1,2-Trichloroethane	0.168	ND	0.202	0.175	120	104	1.34	10.0-160			14.3	35
Trichloroethene	0.168	ND	0.222	0.213	132	127	1.34	10.0-156			4.14	38
Trichlorofluoromethane	0.168	ND	0.0979	0.0907	58.3	54.0	1.34	10.0-160			7.64	40
1,2,3-Trichloropropane	0.168	ND	0.174	0.169	104	101	1.34	10.0-156			2.92	35
1,2,4-Trimethylbenzene	0.168	ND	0.211	0.180	126	107	1.34	10.0-160			15.9	36
1,3,5-Trimethylbenzene	0.168	ND	0.212	0.192	126	114	1.34	10.0-160			9.90	38
Vinyl chloride	0.168	ND	0.260	0.238	155	142	1.34	10.0-160			8.84	37
Xylenes, Total	0.502	ND	0.656	0.579	131	115	1.34	10.0-160			12.5	38
(S) Toluene-d8					105	103		75.0-131				
(S) 4-Bromofluorobenzene					96.3	94.4		67.0-138				
(S) 1,2-Dichloroethane-d4					92.6	94.6		70.0-130				

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

Method Blank (MB)

(MB) R4020086-3 01/04/24 02:33

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
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
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4020086-3 01/04/24 02:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	0.00815	<u>U</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	0.00570		0.00158	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	111			75.0-131
(S) 4-Bromofluorobenzene	89.9			67.0-138
(S) 1,2-Dichloroethane-d4	94.1			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020086-1 01/04/24 00:55 • (LCSD) R4020086-2 01/04/24 01:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	1.07	1.03	171	165	10.0-160	<u>J4</u>	<u>J4</u>	3.81	31
Acrylonitrile	0.625	0.751	0.671	120	107	45.0-153			11.3	22
Benzene	0.125	0.118	0.121	94.4	96.8	70.0-123			2.51	20
Bromobenzene	0.125	0.122	0.131	97.6	105	73.0-121			7.11	20
Bromodichloromethane	0.125	0.123	0.120	98.4	96.0	73.0-121			2.47	20
Bromoform	0.125	0.125	0.132	100	106	64.0-132			5.45	20
Bromomethane	0.125	0.122	0.122	97.6	97.6	56.0-147			0.000	20
n-Butylbenzene	0.125	0.0950	0.0965	76.0	77.2	68.0-135			1.57	20
Carbon tetrachloride	0.125	0.136	0.134	109	107	66.0-128			1.48	20
Chlorobenzene	0.125	0.124	0.128	99.2	102	76.0-128			3.17	20
Chlorodibromomethane	0.125	0.123	0.134	98.4	107	74.0-127			8.56	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020086-1 01/04/24 00:55 • (LCSD) R4020086-2 01/04/24 01:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloroethane	0.125	0.123	0.126	98.4	101	61.0-134			2.41	20
Chloroform	0.125	0.141	0.138	113	110	72.0-123			2.15	20
Chloromethane	0.125	0.135	0.143	108	114	51.0-138			5.76	20
2-Chlorotoluene	0.125	0.123	0.125	98.4	100	75.0-124			1.61	20
4-Chlorotoluene	0.125	0.124	0.125	99.2	100	75.0-124			0.803	20
1,2-Dibromo-3-Chloropropane	0.125	0.128	0.141	102	113	59.0-130			9.67	20
1,2-Dibromoethane	0.125	0.139	0.134	111	107	74.0-128			3.66	20
Dibromomethane	0.125	0.127	0.122	102	97.6	75.0-122			4.02	20
1,2-Dichlorobenzene	0.125	0.134	0.129	107	103	76.0-124			3.80	20
1,3-Dichlorobenzene	0.125	0.125	0.124	100	99.2	76.0-125			0.803	20
1,4-Dichlorobenzene	0.125	0.133	0.128	106	102	77.0-121			3.83	20
Dichlorodifluoromethane	0.125	0.148	0.135	118	108	43.0-156			9.19	20
1,1-Dichloroethane	0.125	0.134	0.133	107	106	70.0-127			0.749	20
1,2-Dichloroethane	0.125	0.123	0.118	98.4	94.4	65.0-131			4.15	20
1,1-Dichloroethene	0.125	0.132	0.129	106	103	65.0-131			2.30	20
cis-1,2-Dichloroethene	0.125	0.131	0.126	105	101	73.0-125			3.89	20
trans-1,2-Dichloroethene	0.125	0.128	0.118	102	94.4	71.0-125			8.13	20
1,2-Dichloropropane	0.125	0.124	0.126	99.2	101	74.0-125			1.60	20
1,1-Dichloropropene	0.125	0.130	0.129	104	103	73.0-125			0.772	20
1,3-Dichloropropane	0.125	0.131	0.137	105	110	80.0-125			4.48	20
cis-1,3-Dichloropropene	0.125	0.126	0.126	101	101	76.0-127			0.000	20
trans-1,3-Dichloropropene	0.125	0.132	0.137	106	110	73.0-127			3.72	20
2,2-Dichloropropane	0.125	0.126	0.119	101	95.2	59.0-135			5.71	20
Di-isopropyl ether	0.125	0.136	0.126	109	101	60.0-136			7.63	20
Ethylbenzene	0.125	0.118	0.122	94.4	97.6	74.0-126			3.33	20
Hexachloro-1,3-butadiene	0.125	0.124	0.121	99.2	96.8	57.0-150			2.45	20
Isopropylbenzene	0.125	0.118	0.122	94.4	97.6	72.0-127			3.33	20
2-Butanone (MEK)	0.625	0.898	0.878	144	140	30.0-160			2.25	24
Methylene Chloride	0.125	0.127	0.133	102	106	68.0-123			4.62	20
4-Methyl-2-pentanone (MIBK)	0.625	0.708	0.765	113	122	56.0-143			7.74	20
Methyl tert-butyl ether	0.125	0.133	0.134	106	107	66.0-132			0.749	20
Naphthalene	0.125	0.0953	0.0975	76.2	78.0	59.0-130			2.28	20
n-Propylbenzene	0.125	0.120	0.124	96.0	99.2	74.0-126			3.28	20
Styrene	0.125	0.124	0.118	99.2	94.4	72.0-127			4.96	20
1,1,1,2-Tetrachloroethane	0.125	0.132	0.136	106	109	74.0-129			2.99	20
1,1,2,2-Tetrachloroethane	0.125	0.130	0.138	104	110	68.0-128			5.97	20
Tetrachloroethene	0.125	0.125	0.127	100	102	70.0-136			1.59	20
Toluene	0.125	0.122	0.127	97.6	102	75.0-121			4.02	20
1,2,3-Trichlorobenzene	0.125	0.112	0.117	89.6	93.6	59.0-139			4.37	20
1,2,4-Trichlorobenzene	0.125	0.121	0.113	96.8	90.4	62.0-137			6.84	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020086-1 01/04/24 00:55 • (LCSD) R4020086-2 01/04/24 01:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,1,1-Trichloroethane	0.125	0.137	0.135	110	108	69.0-126			1.47	20
1,1,2-Trichloroethane	0.125	0.131	0.138	105	110	78.0-123			5.20	20
Trichloroethene	0.125	0.120	0.123	96.0	98.4	76.0-126			2.47	20
Trichlorofluoromethane	0.125	0.134	0.155	107	124	61.0-142			14.5	20
1,2,3-Trichloropropane	0.125	0.130	0.140	104	112	67.0-129			7.41	20
1,2,4-Trimethylbenzene	0.125	0.0930	0.0942	74.4	75.4	70.0-126			1.28	20
Vinyl chloride	0.125	0.144	0.146	115	117	63.0-134			1.38	20
Xylenes, Total	0.375	0.336	0.331	89.6	88.3	72.0-127			1.50	20
(S) Toluene-d8				102	104	75.0-131				
(S) 4-Bromofluorobenzene				96.1	96.1	67.0-138				
(S) 1,2-Dichloroethane-d4				110	109	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4020819-3 01/05/24 13:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
p-Isopropyltoluene	U		0.00255	0.00500
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
(S) Toluene-d8	101			75.0-131
(S) 4-Bromofluorobenzene	101			67.0-138
(S) 1,2-Dichloroethane-d4	96.3			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020819-1 01/05/24 11:37 • (LCSD) R4020819-2 01/05/24 11:56

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
sec-Butylbenzene	0.125	0.139	0.122	111	97.6	74.0-130			13.0	20
tert-Butylbenzene	0.125	0.146	0.127	117	102	75.0-127			13.9	20
p-Isopropyltoluene	0.125	0.147	0.128	118	102	72.0-133			13.8	20
1,2,4-Trimethylbenzene	0.125	0.134	0.123	107	98.4	70.0-126			8.56	20
1,3,5-Trimethylbenzene	0.125	0.132	0.120	106	96.0	73.0-127			9.52	20
(S) Toluene-d8				99.1	101	75.0-131				
(S) 4-Bromofluorobenzene				96.4	99.4	67.0-138				
(S) 1,2-Dichloroethane-d4				95.8	99.9	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4019131-2 01/02/24 11:15

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4019131-2 01/02/24 11:15

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	64.6			12.0-120
(S) Phenol-d5	61.9			10.0-120
(S) Nitrobenzene-d5	53.5			10.0-122
(S) 2-Fluorobiphenyl	61.6			15.0-120
(S) 2,4,6-Tribromophenol	54.5			10.0-127
(S) p-Terphenyl-d14	68.5			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4019131-1 01/02/24 10:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.407	61.1	38.0-120	
Acenaphthylene	0.666	0.414	62.2	40.0-120	
Anthracene	0.666	0.422	63.4	42.0-120	
Benzidine	1.33	0.556	41.8	10.0-120	
Benzo(a)anthracene	0.666	0.451	67.7	44.0-120	
Benzo(b)fluoranthene	0.666	0.445	66.8	43.0-120	
Benzo(k)fluoranthene	0.666	0.429	64.4	44.0-120	
Benzo(g,h,i)perylene	0.666	0.512	76.9	43.0-120	
Benzo(a)pyrene	0.666	0.453	68.0	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.348	52.3	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.342	51.4	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.378	56.8	23.0-120	
4-Bromophenyl-phenylether	0.666	0.409	61.4	40.0-120	
2-Chloronaphthalene	0.666	0.391	58.7	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4019131-1 01/02/24 10:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.416	62.5	40.0-120	
Chrysene	0.666	0.436	65.5	43.0-120	
Dibenz(a,h)anthracene	0.666	0.497	74.6	44.0-120	
3,3-Dichlorobenzidine	1.33	0.748	56.2	28.0-120	
2,4-Dinitrotoluene	0.666	0.459	68.9	45.0-120	
2,6-Dinitrotoluene	0.666	0.434	65.2	42.0-120	
Fluoranthene	0.666	0.441	66.2	44.0-120	
Fluorene	0.666	0.416	62.5	41.0-120	
Hexachlorobenzene	0.666	0.407	61.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.326	48.9	15.0-120	
Hexachlorocyclopentadiene	0.666	0.487	73.1	15.0-120	
Hexachloroethane	0.666	0.374	56.2	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.443	66.5	45.0-120	
Isophorone	0.666	0.353	53.0	23.0-120	
Naphthalene	0.666	0.340	51.1	18.0-120	
Nitrobenzene	0.666	0.337	50.6	17.0-120	
n-Nitrosodimethylamine	0.666	0.363	54.5	10.0-125	
n-Nitrosodiphenylamine	0.666	0.428	64.3	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.406	61.0	26.0-120	
Phenanthrene	0.666	0.418	62.8	42.0-120	
Benzylbutyl phthalate	0.666	0.473	71.0	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.493	74.0	41.0-120	
Di-n-butyl phthalate	0.666	0.447	67.1	43.0-120	
Diethyl phthalate	0.666	0.438	65.8	43.0-120	
Dimethyl phthalate	0.666	0.422	63.4	43.0-120	
Di-n-octyl phthalate	0.666	0.470	70.6	40.0-120	
Pyrene	0.666	0.439	65.9	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.334	50.2	17.0-120	
4-Chloro-3-methylphenol	0.666	0.356	53.5	28.0-120	
2-Chlorophenol	0.666	0.403	60.5	28.0-120	
2,4-Dichlorophenol	0.666	0.346	52.0	25.0-120	
2,4-Dimethylphenol	0.666	0.493	74.0	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.418	62.8	16.0-120	
2,4-Dinitrophenol	0.666	0.353	53.0	10.0-120	
2-Nitrophenol	0.666	0.386	58.0	20.0-120	
4-Nitrophenol	0.666	0.418	62.8	27.0-120	
Pentachlorophenol	0.666	0.387	58.1	29.0-120	
Phenol	0.666	0.406	61.0	28.0-120	
2,4,6-Trichlorophenol	0.666	0.393	59.0	37.0-120	
(S) 2-Fluorophenol			65.6	12.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4019131-1 01/02/24 10:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
(S) Phenol-d5			62.3	10.0-120	
(S) Nitrobenzene-d5			54.7	10.0-122	
(S) 2-Fluorobiphenyl			60.4	15.0-120	
(S) 2,4,6-Tribromophenol			62.3	10.0-127	
(S) p-Terphenyl-d14			65.5	10.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4019502-2 01/03/24 00:14

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4019502-2 01/03/24 00:14

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	65.2			12.0-120
(S) Phenol-d5	61.4			10.0-120
(S) Nitrobenzene-d5	53.5			10.0-122
(S) 2-Fluorobiphenyl	60.1			15.0-120
(S) 2,4,6-Tribromophenol	53.8			10.0-127
(S) p-Terphenyl-d14	67.0			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4019502-1 01/02/24 23:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.428	64.3	38.0-120	
Acenaphthylene	0.666	0.432	64.9	40.0-120	
Anthracene	0.666	0.437	65.6	42.0-120	
Benzidine	1.33	0.527	39.6	10.0-120	
Benzo(a)anthracene	0.666	0.463	69.5	44.0-120	
Benzo(b)fluoranthene	0.666	0.466	70.0	43.0-120	
Benzo(k)fluoranthene	0.666	0.435	65.3	44.0-120	
Benzo(g,h,i)perylene	0.666	0.525	78.8	43.0-120	
Benzo(a)pyrene	0.666	0.461	69.2	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.370	55.6	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.538	80.8	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.417	62.6	23.0-120	
4-Bromophenyl-phenylether	0.666	0.410	61.6	40.0-120	
2-Chloronaphthalene	0.666	0.409	61.4	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4019502-1 01/02/24 23:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.427	64.1	40.0-120	
Chrysene	0.666	0.454	68.2	43.0-120	
Dibenz(a,h)anthracene	0.666	0.495	74.3	44.0-120	
3,3-Dichlorobenzidine	1.33	0.824	62.0	28.0-120	
2,4-Dinitrotoluene	0.666	0.485	72.8	45.0-120	
2,6-Dinitrotoluene	0.666	0.443	66.5	42.0-120	
Fluoranthene	0.666	0.429	64.4	44.0-120	
Fluorene	0.666	0.436	65.5	41.0-120	
Hexachlorobenzene	0.666	0.409	61.4	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.347	52.1	15.0-120	
Hexachlorocyclopentadiene	0.666	0.467	70.1	15.0-120	
Hexachloroethane	0.666	0.419	62.9	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.450	67.6	45.0-120	
Isophorone	0.666	0.364	54.7	23.0-120	
Naphthalene	0.666	0.355	53.3	18.0-120	
Nitrobenzene	0.666	0.351	52.7	17.0-120	
n-Nitrosodimethylamine	0.666	0.342	51.4	10.0-125	
n-Nitrosodiphenylamine	0.666	0.423	63.5	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.432	64.9	26.0-120	
Phenanthrene	0.666	0.425	63.8	42.0-120	
Benzylbutyl phthalate	0.666	0.487	73.1	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.504	75.7	41.0-120	
Di-n-butyl phthalate	0.666	0.453	68.0	43.0-120	
Diethyl phthalate	0.666	0.452	67.9	43.0-120	
Dimethyl phthalate	0.666	0.439	65.9	43.0-120	
Di-n-octyl phthalate	0.666	0.484	72.7	40.0-120	
Pyrene	0.666	0.448	67.3	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.350	52.6	17.0-120	
4-Chloro-3-methylphenol	0.666	0.351	52.7	28.0-120	
2-Chlorophenol	0.666	0.432	64.9	28.0-120	
2,4-Dichlorophenol	0.666	0.357	53.6	25.0-120	
2,4-Dimethylphenol	0.666	0.441	66.2	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.449	67.4	16.0-120	
2,4-Dinitrophenol	0.666	0.411	61.7	10.0-120	
2-Nitrophenol	0.666	0.410	61.6	20.0-120	
4-Nitrophenol	0.666	0.431	64.7	27.0-120	
Pentachlorophenol	0.666	0.367	55.1	29.0-120	
Phenol	0.666	0.427	64.1	28.0-120	
2,4,6-Trichlorophenol	0.666	0.402	60.4	37.0-120	
<i>(S) 2-Fluorophenol</i>			70.9	12.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4019502-1 01/02/24 23:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			65.2	10.0-120	
(S) Nitrobenzene-d5			49.5	10.0-122	
(S) 2-Fluorobiphenyl			62.8	15.0-120	
(S) 2,4,6-Tribromophenol			61.9	10.0-127	
(S) p-Terphenyl-d14			67.0	10.0-120	

L1692273-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692273-09 01/03/24 01:34 • (MS) R4019502-3 01/03/24 01:54 • (MSD) R4019502-4 01/03/24 02:14

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	0.855	ND	0.410	0.405	48.0	47.3	1	18.0-120			1.28	32
Acenaphthylene	0.855	ND	0.406	0.409	47.6	47.7	1	25.0-120			0.641	32
Anthracene	0.855	ND	0.442	0.440	50.2	49.9	1	22.0-120			0.296	29
Benzidine	1.71	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(a)anthracene	0.855	0.0656	0.516	0.493	52.7	49.8	1	25.0-120			4.66	29
Benzo(b)fluoranthene	0.855	0.0862	0.527	0.502	51.5	48.5	1	19.0-122			4.83	31
Benzo(k)fluoranthene	0.855	ND	0.439	0.439	47.7	47.5	1	23.0-120			0.000	30
Benzo(g,h,i)perylene	0.855	0.0436	0.457	0.472	48.4	49.9	1	10.0-120			3.09	33
Benzo(a)pyrene	0.855	0.0643	0.504	0.489	51.5	49.5	1	24.0-120			3.16	30
Bis(2-chlorethoxy)methane	0.855	ND	ND	ND	42.7	41.8	1	10.0-120			1.81	34
Bis(2-chloroethyl)ether	0.855	ND	0.714	ND	83.5	47.3	1	10.0-120		J3	55.1	40
2,2-Oxybis(1-Chloropropane)	0.855	ND	ND	ND	45.9	43.9	1	10.0-120			4.08	40
4-Bromophenyl-phenylether	0.855	ND	ND	ND	46.2	47.1	1	27.0-120			2.29	30
2-Chloronaphthalene	0.855	ND	0.389	0.386	45.6	45.0	1	20.0-120			1.01	32
4-Chlorophenyl-phenylether	0.855	ND	ND	ND	47.7	47.7	1	24.0-120			0.320	29
Chrysene	0.855	0.0587	0.506	0.467	52.3	47.6	1	21.0-120			8.06	29
Dibenz(a,h)anthracene	0.855	ND	0.405	0.460	47.4	53.7	1	10.0-120			12.7	32
3,3-Dichlorobenzidine	1.71	ND	ND	0.685	16.1	40.0	1	10.0-120		J3	85.2	34
2,4-Dinitrotoluene	0.855	ND	0.473	0.489	55.4	57.0	1	30.0-120			3.26	31
2,6-Dinitrotoluene	0.855	ND	ND	0.438	50.6	51.1	1	25.0-120			1.20	31
Fluoranthene	0.855	0.121	0.571	0.493	52.6	43.3	1	18.0-126			14.7	32
Fluorene	0.855	ND	0.418	0.419	48.0	48.0	1	25.0-120			0.312	30
Hexachlorobenzene	0.855	ND	ND	ND	46.5	47.6	1	27.0-120			2.60	28
Hexachloro-1,3-butadiene	0.855	ND	ND	ND	37.8	37.8	1	10.0-120			0.404	38
Hexachlorocyclopentadiene	0.855	ND	ND	ND	27.8	23.9	1	10.0-120			14.7	40
Hexachloroethane	0.855	ND	ND	ND	45.7	44.1	1	10.0-120			3.40	40
Indeno(1,2,3-cd)pyrene	0.855	ND	0.429	0.440	45.2	46.4	1	10.0-120			2.71	32
Isophorone	0.855	ND	ND	ND	41.9	41.5	1	13.0-120			0.733	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1692273-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692273-09 01/03/24 01:34 • (MS) R4019502-3 01/03/24 01:54 • (MSD) R4019502-4 01/03/24 02:14

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	0.855	0.128	0.361	0.359	27.3	27.0	1	10.0-120			0.363	35
Nitrobenzene	0.855	ND	ND	ND	40.2	39.0	1	10.0-120			2.70	36
n-Nitrosodimethylamine	0.855	ND	ND	ND	40.5	38.9	1	10.0-127			3.85	40
n-Nitrosodiphenylamine	0.855	ND	ND	ND	45.9	47.9	1	17.0-120			4.56	29
n-Nitrosodi-n-propylamine	0.855	ND	ND	ND	48.5	47.6	1	10.0-120			1.59	37
Phenanthrene	0.855	0.0844	0.494	0.448	47.9	42.4	1	17.0-120			9.71	31
Benzylbutyl phthalate	0.855	ND	0.494	0.517	57.8	60.4	1	23.0-120			4.65	30
Bis(2-ethylhexyl)phthalate	0.855	ND	0.538	0.532	63.0	62.0	1	17.0-126			1.22	30
Di-n-butyl phthalate	0.855	ND	0.452	0.467	52.9	54.4	1	30.0-120			3.13	29
Diethyl phthalate	0.855	ND	0.439	0.451	51.4	52.6	1	26.0-120			2.64	28
Dimethyl phthalate	0.855	ND	ND	ND	49.4	50.2	1	25.0-120			1.84	29
Di-n-octyl phthalate	0.855	ND	0.521	0.550	61.0	64.2	1	21.0-123			5.37	29
Pyrene	0.855	0.103	0.537	0.493	50.8	45.5	1	16.0-121			8.63	32
1,2,4-Trichlorobenzene	0.855	ND	ND	ND	39.3	39.9	1	12.0-120			1.93	37
4-Chloro-3-methylphenol	0.855	ND	ND	ND	43.3	43.9	1	15.0-120			1.75	30
2-Chlorophenol	0.855	ND	ND	ND	48.0	48.0	1	15.0-120			0.318	37
2,4-Dichlorophenol	0.855	ND	ND	ND	42.8	43.0	1	20.0-120			0.712	31
2,4-Dimethylphenol	0.855	ND	ND	ND	43.1	45.4	1	10.0-120			5.52	33
4,6-Dinitro-2-methylphenol	0.855	ND	0.478	0.477	56.0	55.6	1	10.0-120			0.274	39
2,4-Dinitrophenol	0.855	ND	0.508	0.512	59.5	59.8	1	10.0-121			0.768	40
2-Nitrophenol	0.855	ND	ND	ND	48.0	46.3	1	12.0-120			3.24	39
4-Nitrophenol	0.855	ND	0.489	0.499	57.2	58.2	1	10.0-137			2.12	32
Pentachlorophenol	0.855	ND	ND	0.435	46.6	50.8	1	10.0-160			8.78	31
Phenol	0.855	ND	ND	ND	48.8	46.6	1	12.0-120			4.16	38
2,4,6-Trichlorophenol	0.855	ND	ND	ND	46.0	48.0	1	19.0-120			4.55	32
(S) 2-Fluorophenol					52.6	49.2		12.0-120				
(S) Phenol-d5					48.8	47.3		10.0-120				
(S) Nitrobenzene-d5					34.9	33.5		10.0-122				
(S) 2-Fluorobiphenyl					45.6	43.9		15.0-120				
(S) 2,4,6-Tribromophenol					48.9	48.0		10.0-127				
(S) p-Terphenyl-d14					51.1	52.1		10.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
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.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

ACCREDITATIONS & LOCATIONS

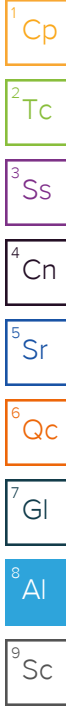
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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	LA000356
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.com)
 Email To: jpaul@smeinc.com

Chain of Custody Page ___ of ___

Pace
 PEOPLE ADVANCING SCIENCE

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/hubs/pas-standard-terms.pdf>

Report to: **Mr. Jerry Paul**

Project Description: **Northgate Park** City/State: **Durham, NC** Please Circle: **ET**

Phone: **919-872-2660** Client Project #: **23050630** Lab Project #: **SMERLNC-NORTHGATE**

Collected by (print): **Chelsea Parra** Site/Facility ID #: P.O. #

Collected by (signature): **CP** **Rush?** (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Immediately Packed on Ice **N** **Y** Date Results Needed: No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	Metals 20zClr-NoPres	SPLP/TCLP GOLD 40zClr-NoPres	SV8270, TS 40zClr-NoPres	V8260 40mlAmb-HCl-Bik	V8260 40mlAmb/MeOH10ml/Syr	SV005 8270	18 Metals 6020	Mercury 7471	Hex. Chrom. 7199	Remarks	Sample # (lab only)
825-SB-65	C	SS	0-1	12/28/23	1430	4	X	X	X	X	X	X	X	X	X		-01
825-SB-66		SS			1435	4	X	X	X	X	X	X	X	X	X		-02
825-SB-67		SS			1440	4	X	X	X	X	X	X	X	X	X		-03
825-SB-68		SS			1145	4	X	X	X	X	X	X	X	X	X		-04
825-SB-69		SS			1150	4	X	X	X	X	X	X	X	X	X		-05
825-SB-70		SS			1320	4	X	X	X	X	X	X	X	X	X		-06
825-SB-71		SS			1155	4	X	X	X	X	X	X	X	X	X		-07
825-SB-72		SS			1130	4	X	X	X	X	X	X	X	X	X		-08
825-SB-73 DUP-SB		SS			-	4	X	X	X	X	X	X	X	X	X		-09
Trip Blank		GW-SS				4	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: **SPLP/TCLP on hold**

Tracking # **7155 0298 2275**

Sample Receipt Checklist:
 COC Seal Present/Intact: 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) **CP** Date: **12/28/23** Time: **1645** Received by: (Signature) Trip Blank Received: Yes No
 (HCL) MeOH TBR

Relinquished by: (Signature) Date: Time: Received by: (Signature) Temp: **<20°C** Bottles Received: **48** If preservation required by Lab in: Date/Time

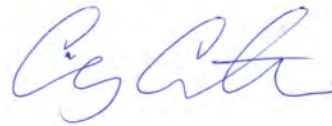
Relinquished by: (Signature) Date: Time: Received by: (Signature) Date: **12/29/23** Time: **0900** Condition: **NCF 10**

S&ME Inc. - Raleigh NC

Sample Delivery Group: L1692273
Samples Received: 12/29/2023
Project Number: 23050630
Description: Northgate Park

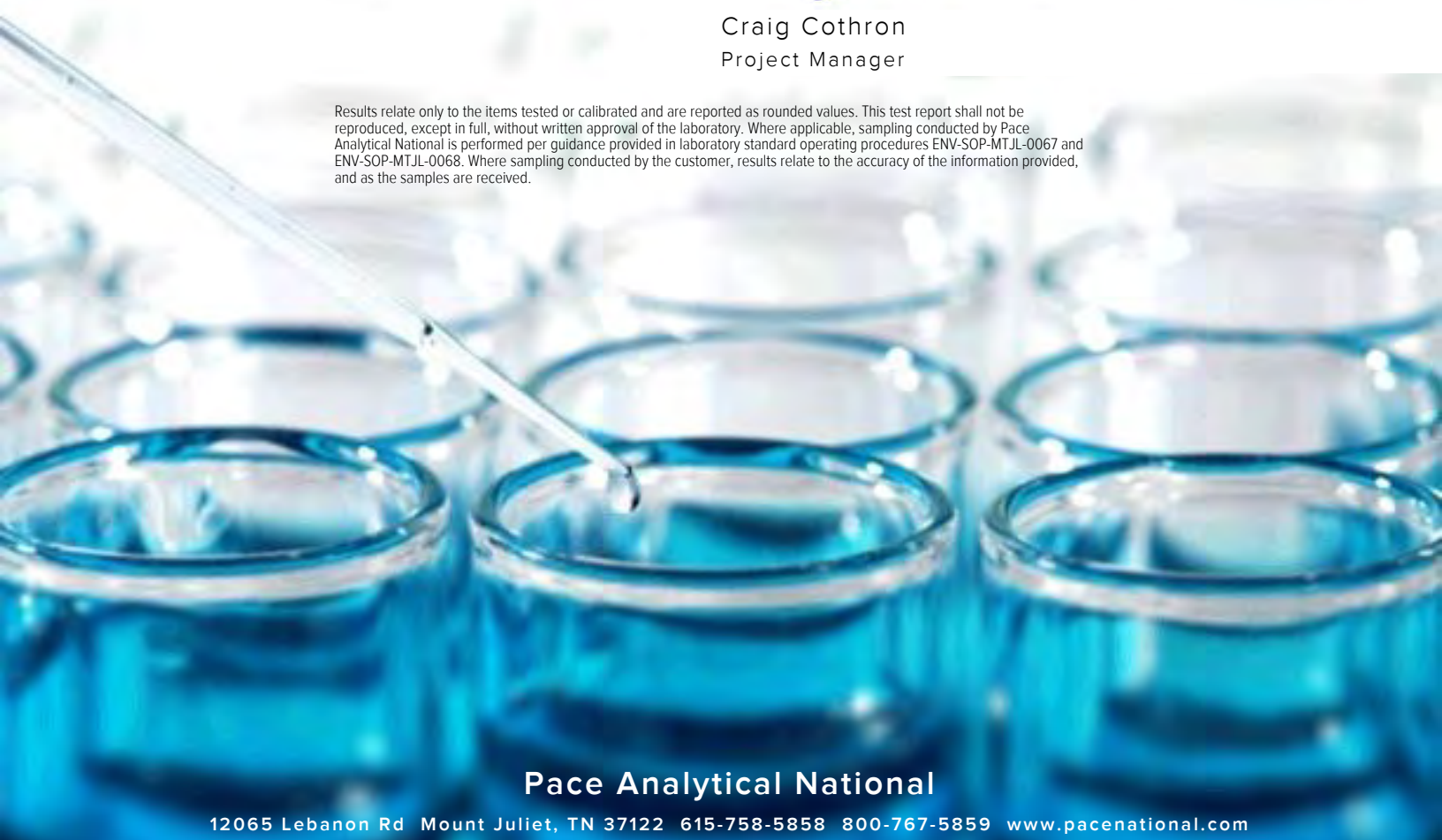
Report To: Mr. Jerry Paul
3201 Spring Forest Road
Raleigh, NC 27616

Entire Report Reviewed By:



Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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

SAMPLE SUMMARY

825-SB-76 L1692273-01 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 10:40
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199120	1	01/02/24 08:32	01/02/24 08:38	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 11:06	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198766	1	12/31/23 14:05	01/02/24 08:51	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	20	01/02/24 03:03	01/22/24 15:27	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/21/24 20:07	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200463	1.14	12/28/23 10:40	01/04/24 07:04	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2201583	1.14	12/28/23 10:40	01/05/24 20:00	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198815	1	01/02/24 09:13	01/03/24 06:14	HLA	Mt. Juliet, TN



825-SB-77 L1692273-02 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 10:30
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199120	1	01/02/24 08:32	01/02/24 08:38	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 11:25	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198766	1	12/31/23 14:06	01/02/24 08:53	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	25	01/02/24 03:03	01/22/24 15:31	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/21/24 20:11	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200463	1.02	12/28/23 10:30	01/04/24 07:24	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2201583	1.02	12/28/23 10:30	01/05/24 20:20	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198815	2	01/02/24 09:13	01/04/24 03:39	JCH	Mt. Juliet, TN

825-SB-78 L1692273-03 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 16:15
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199120	1	01/02/24 08:32	01/02/24 08:38	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 11:31	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198766	1	12/31/23 14:05	01/02/24 08:56	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/21/24 20:21	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/22/24 15:34	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	50	01/02/24 03:03	01/22/24 15:37	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200463	1.45	12/28/23 16:15	01/04/24 07:43	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2201583	1.45	12/28/23 16:15	01/05/24 20:40	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198815	1	01/02/24 09:13	01/03/24 03:14	HLA	Mt. Juliet, TN

825-SB-79 L1692273-04 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 16:20
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199120	1	01/02/24 08:32	01/02/24 08:38	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 11:37	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198766	1	12/31/23 14:05	01/02/24 08:58	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	20	01/02/24 03:03	01/22/24 15:24	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/21/24 19:47	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/22/24 18:48	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200463	1	12/28/23 16:20	01/04/24 08:02	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2201583	1	12/28/23 16:20	01/05/24 21:00	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198815	1	01/02/24 09:13	01/03/24 03:54	HLA	Mt. Juliet, TN

SAMPLE SUMMARY

825-SB-80 L1692273-05 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 16:00
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199120	1	01/02/24 08:32	01/02/24 08:38	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 11:43	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198766	1	12/31/23 14:05	01/02/24 09:01	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	25	01/02/24 03:03	01/22/24 15:44	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/21/24 20:24	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/22/24 15:40	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200463	1	12/28/23 16:00	01/04/24 08:22	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2201583	1	12/28/23 16:00	01/05/24 21:19	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198815	1	01/02/24 09:13	01/03/24 04:54	HLA	Mt. Juliet, TN



825-SB-81 L1692273-06 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 16:05
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199120	1	01/02/24 08:32	01/02/24 08:38	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 11:49	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198766	1	12/31/23 14:05	01/02/24 09:08	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	20	01/02/24 03:03	01/22/24 15:57	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/21/24 20:27	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/22/24 15:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200463	1	12/28/23 16:05	01/04/24 08:41	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2201583	1	12/28/23 16:05	01/05/24 21:38	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198815	1	01/02/24 09:13	01/03/24 05:54	HLA	Mt. Juliet, TN

825-SB-82 L1692273-07 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 15:40
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199122	1	01/02/24 09:23	01/02/24 09:29	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 12:20	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198766	1	12/31/23 14:05	01/02/24 09:11	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	20	01/02/24 03:03	01/22/24 16:03	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/21/24 20:31	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/22/24 16:00	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200463	1.16	12/28/23 15:40	01/04/24 09:01	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2201583	1.16	12/28/23 15:40	01/05/24 21:58	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198815	1	01/02/24 09:13	01/03/24 05:34	HLA	Mt. Juliet, TN

825-SB-83 L1692273-08 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 15:20
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199122	1	01/02/24 09:23	01/02/24 09:29	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199071	1	01/02/24 22:33	01/04/24 12:39	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198766	1	12/31/23 14:05	01/02/24 09:13	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	25	01/02/24 03:03	01/22/24 16:10	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/21/24 20:34	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/22/24 16:07	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200492	1.15	12/28/23 15:20	01/04/24 07:18	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198815	1	01/02/24 09:13	01/03/24 07:15	HLA	Mt. Juliet, TN

SAMPLE SUMMARY

825-SB-84 L1692273-09 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 15:10
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199122	1	01/02/24 09:23	01/02/24 09:29	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199383	1	01/02/24 13:13	01/05/24 08:38	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198766	1	12/31/23 14:05	01/02/24 09:16	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	100	01/02/24 03:03	01/22/24 16:16	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/21/24 20:37	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/22/24 16:13	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2210623	5	01/22/24 11:07	01/24/24 14:39	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200492	1	12/28/23 15:10	01/04/24 07:37	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198815	1	01/02/24 09:13	01/03/24 01:34	HLA	Mt. Juliet, TN



TRIP BLANK L1692273-10 GW

Collected by Chelsea Parra
 Collected date/time 12/28/23 00:00
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200046	1	01/03/24 14:37	01/03/24 14:37	DYW	Mt. Juliet, TN

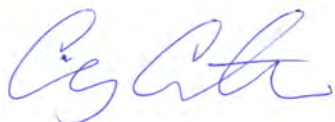
825-SB-85 L1692273-11 Solid

Collected by Chelsea Parra
 Collected date/time 12/28/23 15:15
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2199122	1	01/02/24 09:23	01/02/24 09:29	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2199383	1	01/02/24 13:13	01/05/24 08:50	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2198766	1	12/31/23 14:05	01/02/24 09:18	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	20	01/02/24 03:03	01/22/24 17:36	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/21/24 20:41	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2198867	5	01/02/24 03:03	01/22/24 16:20	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2200492	1.12	12/28/23 15:15	01/04/24 07:56	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2198815	1	01/02/24 09:13	01/03/24 05:14	HLA	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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.9		1	01/02/2024 08:38	WG2199120

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.22	1	01/04/2024 11:06	WG2199071

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	1.37		0.0488	1	01/02/2024 08:51	WG2198766

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	J4	3.66	5	01/21/2024 20:07	WG2198867
Arsenic	1.94		1.22	5	01/21/2024 20:07	WG2198867
Barium	163		12.2	20	01/22/2024 15:27	WG2198867
Beryllium	ND	J4	3.05	5	01/21/2024 20:07	WG2198867
Cadmium	ND		1.22	5	01/21/2024 20:07	WG2198867
Chromium	18.6		6.10	5	01/21/2024 20:07	WG2198867
Cobalt	4.03		1.22	5	01/21/2024 20:07	WG2198867
Copper	35.1		6.10	5	01/21/2024 20:07	WG2198867
Lead	92.3		2.44	5	01/21/2024 20:07	WG2198867
Manganese	293		12.2	20	01/22/2024 15:27	WG2198867
Nickel	5.86		3.05	5	01/21/2024 20:07	WG2198867
Selenium	ND		3.05	5	01/21/2024 20:07	WG2198867
Silver	3.51		0.610	5	01/21/2024 20:07	WG2198867
Thallium	ND		2.44	5	01/21/2024 20:07	WG2198867
Vanadium	13.1		3.05	5	01/21/2024 20:07	WG2198867
Zinc	166	B	122	20	01/22/2024 15:27	WG2198867

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	J4	0.0806	1.14	01/04/2024 07:04	WG2200463
Acrylonitrile	ND		0.0202	1.14	01/04/2024 07:04	WG2200463
Benzene	ND		0.00161	1.14	01/04/2024 07:04	WG2200463
Bromobenzene	ND		0.0202	1.14	01/04/2024 07:04	WG2200463
Bromodichloromethane	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
Bromoform	ND		0.0403	1.14	01/04/2024 07:04	WG2200463
Bromomethane	ND		0.0202	1.14	01/04/2024 07:04	WG2200463
n-Butylbenzene	ND	C3	0.0202	1.14	01/04/2024 07:04	WG2200463
sec-Butylbenzene	ND		0.0202	1.14	01/05/2024 20:00	WG2201583
tert-Butylbenzene	ND		0.00806	1.14	01/05/2024 20:00	WG2201583
Carbon tetrachloride	ND		0.00806	1.14	01/04/2024 07:04	WG2200463
Chlorobenzene	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
Chlorodibromomethane	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
Chloroethane	ND		0.00806	1.14	01/04/2024 07:04	WG2200463
Chloroform	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
Chloromethane	ND		0.0202	1.14	01/04/2024 07:04	WG2200463
2-Chlorotoluene	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
4-Chlorotoluene	ND		0.00806	1.14	01/04/2024 07:04	WG2200463
1,2-Dibromo-3-Chloropropane	ND		0.0403	1.14	01/04/2024 07:04	WG2200463

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
Dibromomethane	ND		0.00806	1.14	01/04/2024 07:04	WG2200463
1,2-Dichlorobenzene	ND		0.00806	1.14	01/04/2024 07:04	WG2200463
1,3-Dichlorobenzene	ND		0.00806	1.14	01/04/2024 07:04	WG2200463
1,4-Dichlorobenzene	ND		0.00806	1.14	01/04/2024 07:04	WG2200463
Dichlorodifluoromethane	ND		0.00806	1.14	01/04/2024 07:04	WG2200463
1,1-Dichloroethane	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
1,2-Dichloroethane	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
1,1-Dichloroethene	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
cis-1,2-Dichloroethene	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
trans-1,2-Dichloroethene	ND		0.00806	1.14	01/04/2024 07:04	WG2200463
1,2-Dichloropropane	ND		0.00806	1.14	01/04/2024 07:04	WG2200463
1,1-Dichloropropene	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
1,3-Dichloropropane	ND		0.00806	1.14	01/04/2024 07:04	WG2200463
cis-1,3-Dichloropropene	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
trans-1,3-Dichloropropene	ND		0.00806	1.14	01/04/2024 07:04	WG2200463
2,2-Dichloropropane	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
Di-isopropyl ether	ND		0.00161	1.14	01/04/2024 07:04	WG2200463
Ethylbenzene	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
Hexachloro-1,3-butadiene	ND		0.0403	1.14	01/04/2024 07:04	WG2200463
Isopropylbenzene	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
p-Isopropyltoluene	ND		0.00806	1.14	01/05/2024 20:00	WG2201583
2-Butanone (MEK)	ND		0.161	1.14	01/04/2024 07:04	WG2200463
Methylene Chloride	ND		0.0403	1.14	01/04/2024 07:04	WG2200463
4-Methyl-2-pentanone (MIBK)	ND		0.0403	1.14	01/04/2024 07:04	WG2200463
Methyl tert-butyl ether	ND		0.00161	1.14	01/04/2024 07:04	WG2200463
Naphthalene	ND	C3	0.0202	1.14	01/04/2024 07:04	WG2200463
n-Propylbenzene	ND		0.00806	1.14	01/04/2024 07:04	WG2200463
Styrene	ND		0.0202	1.14	01/04/2024 07:04	WG2200463
1,1,1,2-Tetrachloroethane	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
1,1,2,2-Tetrachloroethane	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
Tetrachloroethene	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
Toluene	ND		0.00806	1.14	01/04/2024 07:04	WG2200463
1,2,3-Trichlorobenzene	ND		0.0202	1.14	01/04/2024 07:04	WG2200463
1,2,4-Trichlorobenzene	ND		0.0202	1.14	01/04/2024 07:04	WG2200463
1,1,1-Trichloroethane	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
1,1,2-Trichloroethane	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
Trichloroethene	ND		0.00161	1.14	01/04/2024 07:04	WG2200463
Trichlorofluoromethane	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
1,2,3-Trichloropropane	ND		0.0202	1.14	01/04/2024 07:04	WG2200463
1,2,4-Trimethylbenzene	ND		0.00806	1.14	01/05/2024 20:00	WG2201583
1,3,5-Trimethylbenzene	ND		0.00806	1.14	01/05/2024 20:00	WG2201583
Vinyl chloride	ND		0.00403	1.14	01/04/2024 07:04	WG2200463
Xylenes, Total	ND		0.0105	1.14	01/04/2024 07:04	WG2200463
(S) Toluene-d8	110		75.0-131		01/04/2024 07:04	WG2200463
(S) Toluene-d8	97.9		75.0-131		01/05/2024 20:00	WG2201583
(S) 4-Bromofluorobenzene	95.4		67.0-138		01/04/2024 07:04	WG2200463
(S) 4-Bromofluorobenzene	98.8		67.0-138		01/05/2024 20:00	WG2201583
(S) 1,2-Dichloroethane-d4	95.3		70.0-130		01/04/2024 07:04	WG2200463
(S) 1,2-Dichloroethane-d4	93.8		70.0-130		01/05/2024 20:00	WG2201583

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0407	1	01/03/2024 06:14	WG2198815
Acenaphthylene	ND		0.0407	1	01/03/2024 06:14	WG2198815
Anthracene	ND		0.0407	1	01/03/2024 06:14	WG2198815
Benzidine	ND		2.04	1	01/03/2024 06:14	WG2198815
Benzo(a)anthracene	ND		0.0407	1	01/03/2024 06:14	WG2198815
Benzo(b)fluoranthene	ND		0.0407	1	01/03/2024 06:14	WG2198815
Benzo(k)fluoranthene	ND		0.0407	1	01/03/2024 06:14	WG2198815
Benzo(g,h,i)perylene	ND		0.0407	1	01/03/2024 06:14	WG2198815
Benzo(a)pyrene	ND		0.0407	1	01/03/2024 06:14	WG2198815
Bis(2-chloroethoxy)methane	ND		0.407	1	01/03/2024 06:14	WG2198815
Bis(2-chloroethyl)ether	ND		0.407	1	01/03/2024 06:14	WG2198815
2,2-Oxybis(1-Chloropropane)	ND		0.407	1	01/03/2024 06:14	WG2198815
4-Bromophenyl-phenylether	ND		0.407	1	01/03/2024 06:14	WG2198815
2-Chloronaphthalene	ND		0.0407	1	01/03/2024 06:14	WG2198815
4-Chlorophenyl-phenylether	ND		0.407	1	01/03/2024 06:14	WG2198815
Chrysene	ND		0.0407	1	01/03/2024 06:14	WG2198815
Dibenz(a,h)anthracene	ND		0.0407	1	01/03/2024 06:14	WG2198815
3,3-Dichlorobenzidine	ND		0.407	1	01/03/2024 06:14	WG2198815
2,4-Dinitrotoluene	ND		0.407	1	01/03/2024 06:14	WG2198815
2,6-Dinitrotoluene	ND		0.407	1	01/03/2024 06:14	WG2198815
Fluoranthene	ND		0.0407	1	01/03/2024 06:14	WG2198815
Fluorene	ND		0.0407	1	01/03/2024 06:14	WG2198815
Hexachlorobenzene	ND		0.407	1	01/03/2024 06:14	WG2198815
Hexachloro-1,3-butadiene	ND		0.407	1	01/03/2024 06:14	WG2198815
Hexachlorocyclopentadiene	ND		0.407	1	01/03/2024 06:14	WG2198815
Hexachloroethane	ND		0.407	1	01/03/2024 06:14	WG2198815
Indeno(1,2,3-cd)pyrene	ND		0.0407	1	01/03/2024 06:14	WG2198815
Isophorone	ND		0.407	1	01/03/2024 06:14	WG2198815
Naphthalene	0.0457		0.0407	1	01/03/2024 06:14	WG2198815
Nitrobenzene	ND		0.407	1	01/03/2024 06:14	WG2198815
n-Nitrosodimethylamine	ND		0.407	1	01/03/2024 06:14	WG2198815
n-Nitrosodiphenylamine	ND		0.407	1	01/03/2024 06:14	WG2198815
n-Nitrosodi-n-propylamine	ND		0.407	1	01/03/2024 06:14	WG2198815
Phenanthrene	ND		0.0407	1	01/03/2024 06:14	WG2198815
Benzylbutyl phthalate	ND		0.407	1	01/03/2024 06:14	WG2198815
Bis(2-ethylhexyl)phthalate	ND		0.407	1	01/03/2024 06:14	WG2198815
Di-n-butyl phthalate	ND		0.407	1	01/03/2024 06:14	WG2198815
Diethyl phthalate	ND		0.407	1	01/03/2024 06:14	WG2198815
Dimethyl phthalate	ND		0.407	1	01/03/2024 06:14	WG2198815
Di-n-octyl phthalate	ND		0.407	1	01/03/2024 06:14	WG2198815
Pyrene	ND		0.0407	1	01/03/2024 06:14	WG2198815
1,2,4-Trichlorobenzene	ND		0.407	1	01/03/2024 06:14	WG2198815
4-Chloro-3-methylphenol	ND		0.407	1	01/03/2024 06:14	WG2198815
2-Chlorophenol	ND		0.407	1	01/03/2024 06:14	WG2198815
2,4-Dichlorophenol	ND		0.407	1	01/03/2024 06:14	WG2198815
2,4-Dimethylphenol	ND		0.407	1	01/03/2024 06:14	WG2198815
4,6-Dinitro-2-methylphenol	ND		0.407	1	01/03/2024 06:14	WG2198815
2,4-Dinitrophenol	ND		0.407	1	01/03/2024 06:14	WG2198815
2-Nitrophenol	ND		0.407	1	01/03/2024 06:14	WG2198815
4-Nitrophenol	ND		0.407	1	01/03/2024 06:14	WG2198815
Pentachlorophenol	ND		0.407	1	01/03/2024 06:14	WG2198815
Phenol	ND		0.407	1	01/03/2024 06:14	WG2198815
2,4,6-Trichlorophenol	ND		0.407	1	01/03/2024 06:14	WG2198815
(S) 2-Fluorophenol	57.0		12.0-120		01/03/2024 06:14	WG2198815
(S) Phenol-d5	55.4		10.0-120		01/03/2024 06:14	WG2198815
(S) Nitrobenzene-d5	46.6		10.0-122		01/03/2024 06:14	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	51.9		15.0-120		01/03/2024 06:14	WG2198815
(S) 2,4,6-Tribromophenol	54.5		10.0-127		01/03/2024 06:14	WG2198815
(S) p-Terphenyl-d14	58.1		10.0-120		01/03/2024 06:14	WG2198815

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.9		1	01/02/2024 08:38	WG2199120

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.16	1	01/04/2024 11:25	WG2199071

Mercury by Method 7471B

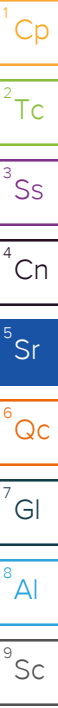
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.479		0.0466	1	01/02/2024 08:53	WG2198766

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	J4	3.49	5	01/21/2024 20:11	WG2198867
Arsenic	2.24		1.16	5	01/21/2024 20:11	WG2198867
Barium	112		2.91	5	01/21/2024 20:11	WG2198867
Beryllium	ND	J4	2.91	5	01/21/2024 20:11	WG2198867
Cadmium	ND		1.16	5	01/21/2024 20:11	WG2198867
Chromium	21.6		5.82	5	01/21/2024 20:11	WG2198867
Cobalt	12.1		1.16	5	01/21/2024 20:11	WG2198867
Copper	56.2		5.82	5	01/21/2024 20:11	WG2198867
Lead	152		11.6	25	01/22/2024 15:31	WG2198867
Manganese	452		14.6	25	01/22/2024 15:31	WG2198867
Nickel	29.6		2.91	5	01/21/2024 20:11	WG2198867
Selenium	ND		2.91	5	01/21/2024 20:11	WG2198867
Silver	1.36		0.582	5	01/21/2024 20:11	WG2198867
Thallium	ND		2.33	5	01/21/2024 20:11	WG2198867
Vanadium	26.8		2.91	5	01/21/2024 20:11	WG2198867
Zinc	ND		146	25	01/22/2024 15:31	WG2198867

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	J4	0.0676	1.02	01/04/2024 07:24	WG2200463
Acrylonitrile	ND		0.0170	1.02	01/04/2024 07:24	WG2200463
Benzene	ND		0.00135	1.02	01/04/2024 07:24	WG2200463
Bromobenzene	ND		0.0170	1.02	01/04/2024 07:24	WG2200463
Bromodichloromethane	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
Bromoform	ND		0.0338	1.02	01/04/2024 07:24	WG2200463
Bromomethane	ND		0.0170	1.02	01/04/2024 07:24	WG2200463
n-Butylbenzene	ND	C3	0.0170	1.02	01/04/2024 07:24	WG2200463
sec-Butylbenzene	ND		0.0170	1.02	01/05/2024 20:20	WG2201583
tert-Butylbenzene	ND		0.00676	1.02	01/05/2024 20:20	WG2201583
Carbon tetrachloride	ND		0.00676	1.02	01/04/2024 07:24	WG2200463
Chlorobenzene	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
Chlorodibromomethane	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
Chloroethane	ND		0.00676	1.02	01/04/2024 07:24	WG2200463
Chloroform	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
Chloromethane	ND		0.0170	1.02	01/04/2024 07:24	WG2200463
2-Chlorotoluene	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
4-Chlorotoluene	ND		0.00676	1.02	01/04/2024 07:24	WG2200463
1,2-Dibromo-3-Chloropropane	ND		0.0338	1.02	01/04/2024 07:24	WG2200463



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
Dibromomethane	ND		0.00676	1.02	01/04/2024 07:24	WG2200463
1,2-Dichlorobenzene	ND		0.00676	1.02	01/04/2024 07:24	WG2200463
1,3-Dichlorobenzene	ND		0.00676	1.02	01/04/2024 07:24	WG2200463
1,4-Dichlorobenzene	ND		0.00676	1.02	01/04/2024 07:24	WG2200463
Dichlorodifluoromethane	ND		0.00676	1.02	01/04/2024 07:24	WG2200463
1,1-Dichloroethane	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
1,2-Dichloroethane	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
1,1-Dichloroethene	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
cis-1,2-Dichloroethene	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
trans-1,2-Dichloroethene	ND		0.00676	1.02	01/04/2024 07:24	WG2200463
1,2-Dichloropropane	ND		0.00676	1.02	01/04/2024 07:24	WG2200463
1,1-Dichloropropene	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
1,3-Dichloropropane	ND		0.00676	1.02	01/04/2024 07:24	WG2200463
cis-1,3-Dichloropropene	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
trans-1,3-Dichloropropene	ND		0.00676	1.02	01/04/2024 07:24	WG2200463
2,2-Dichloropropane	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
Di-isopropyl ether	ND		0.00135	1.02	01/04/2024 07:24	WG2200463
Ethylbenzene	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
Hexachloro-1,3-butadiene	ND		0.0338	1.02	01/04/2024 07:24	WG2200463
Isopropylbenzene	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
p-Isopropyltoluene	ND		0.00676	1.02	01/05/2024 20:20	WG2201583
2-Butanone (MEK)	ND		0.135	1.02	01/04/2024 07:24	WG2200463
Methylene Chloride	ND		0.0338	1.02	01/04/2024 07:24	WG2200463
4-Methyl-2-pentanone (MIBK)	ND		0.0338	1.02	01/04/2024 07:24	WG2200463
Methyl tert-butyl ether	ND		0.00135	1.02	01/04/2024 07:24	WG2200463
Naphthalene	ND	C3	0.0170	1.02	01/04/2024 07:24	WG2200463
n-Propylbenzene	ND		0.00676	1.02	01/04/2024 07:24	WG2200463
Styrene	ND		0.0170	1.02	01/04/2024 07:24	WG2200463
1,1,1,2-Tetrachloroethane	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
1,1,2,2-Tetrachloroethane	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
Tetrachloroethene	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
Toluene	ND		0.00676	1.02	01/04/2024 07:24	WG2200463
1,2,3-Trichlorobenzene	ND		0.0170	1.02	01/04/2024 07:24	WG2200463
1,2,4-Trichlorobenzene	ND		0.0170	1.02	01/04/2024 07:24	WG2200463
1,1,1-Trichloroethane	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
1,1,2-Trichloroethane	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
Trichloroethene	ND		0.00135	1.02	01/04/2024 07:24	WG2200463
Trichlorofluoromethane	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
1,2,3-Trichloropropane	ND		0.0170	1.02	01/04/2024 07:24	WG2200463
1,2,4-Trimethylbenzene	ND		0.00676	1.02	01/05/2024 20:20	WG2201583
1,3,5-Trimethylbenzene	ND		0.00676	1.02	01/05/2024 20:20	WG2201583
Vinyl chloride	ND		0.00338	1.02	01/04/2024 07:24	WG2200463
Xylenes, Total	ND		0.00879	1.02	01/04/2024 07:24	WG2200463
(S) Toluene-d8	108		75.0-131		01/04/2024 07:24	WG2200463
(S) Toluene-d8	101		75.0-131		01/05/2024 20:20	WG2201583
(S) 4-Bromofluorobenzene	95.9		67.0-138		01/04/2024 07:24	WG2200463
(S) 4-Bromofluorobenzene	101		67.0-138		01/05/2024 20:20	WG2201583
(S) 1,2-Dichloroethane-d4	96.8		70.0-130		01/04/2024 07:24	WG2200463
(S) 1,2-Dichloroethane-d4	94.1		70.0-130		01/05/2024 20:20	WG2201583

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0775	2	01/04/2024 03:39	WG2198815
Acenaphthylene	ND		0.0775	2	01/04/2024 03:39	WG2198815
Anthracene	ND		0.0775	2	01/04/2024 03:39	WG2198815
Benzidine	ND		3.89	2	01/04/2024 03:39	WG2198815
Benzo(a)anthracene	0.0867		0.0775	2	01/04/2024 03:39	WG2198815
Benzo(b)fluoranthene	0.203		0.0775	2	01/04/2024 03:39	WG2198815
Benzo(k)fluoranthene	ND		0.0775	2	01/04/2024 03:39	WG2198815
Benzo(g,h,i)perylene	ND		0.0775	2	01/04/2024 03:39	WG2198815
Benzo(a)pyrene	0.107		0.0775	2	01/04/2024 03:39	WG2198815
Bis(2-chloroethoxy)methane	ND		0.775	2	01/04/2024 03:39	WG2198815
Bis(2-chloroethyl)ether	ND		0.775	2	01/04/2024 03:39	WG2198815
2,2-Oxybis(1-Chloropropane)	ND		0.775	2	01/04/2024 03:39	WG2198815
4-Bromophenyl-phenylether	ND		0.775	2	01/04/2024 03:39	WG2198815
2-Chloronaphthalene	ND		0.0775	2	01/04/2024 03:39	WG2198815
4-Chlorophenyl-phenylether	ND		0.775	2	01/04/2024 03:39	WG2198815
Chrysene	ND		0.0775	2	01/04/2024 03:39	WG2198815
Dibenz(a,h)anthracene	ND		0.0775	2	01/04/2024 03:39	WG2198815
3,3-Dichlorobenzidine	ND		0.775	2	01/04/2024 03:39	WG2198815
2,4-Dinitrotoluene	ND		0.775	2	01/04/2024 03:39	WG2198815
2,6-Dinitrotoluene	ND		0.775	2	01/04/2024 03:39	WG2198815
Fluoranthene	0.106		0.0775	2	01/04/2024 03:39	WG2198815
Fluorene	ND		0.0775	2	01/04/2024 03:39	WG2198815
Hexachlorobenzene	ND		0.775	2	01/04/2024 03:39	WG2198815
Hexachloro-1,3-butadiene	ND		0.775	2	01/04/2024 03:39	WG2198815
Hexachlorocyclopentadiene	ND		0.775	2	01/04/2024 03:39	WG2198815
Hexachloroethane	ND		0.775	2	01/04/2024 03:39	WG2198815
Indeno(1,2,3-cd)pyrene	ND		0.0775	2	01/04/2024 03:39	WG2198815
Isophorone	ND		0.775	2	01/04/2024 03:39	WG2198815
Naphthalene	ND		0.0775	2	01/04/2024 03:39	WG2198815
Nitrobenzene	ND		0.775	2	01/04/2024 03:39	WG2198815
n-Nitrosodimethylamine	ND		0.775	2	01/04/2024 03:39	WG2198815
n-Nitrosodiphenylamine	ND		0.775	2	01/04/2024 03:39	WG2198815
n-Nitrosodi-n-propylamine	ND		0.775	2	01/04/2024 03:39	WG2198815
Phenanthrene	ND		0.0775	2	01/04/2024 03:39	WG2198815
Benzylbutyl phthalate	ND		0.775	2	01/04/2024 03:39	WG2198815
Bis(2-ethylhexyl)phthalate	ND		0.775	2	01/04/2024 03:39	WG2198815
Di-n-butyl phthalate	ND		0.775	2	01/04/2024 03:39	WG2198815
Diethyl phthalate	ND		0.775	2	01/04/2024 03:39	WG2198815
Dimethyl phthalate	ND		0.775	2	01/04/2024 03:39	WG2198815
Di-n-octyl phthalate	ND		0.775	2	01/04/2024 03:39	WG2198815
Pyrene	0.238		0.0775	2	01/04/2024 03:39	WG2198815
1,2,4-Trichlorobenzene	ND		0.775	2	01/04/2024 03:39	WG2198815
4-Chloro-3-methylphenol	ND		0.775	2	01/04/2024 03:39	WG2198815
2-Chlorophenol	ND		0.775	2	01/04/2024 03:39	WG2198815
2,4-Dichlorophenol	ND		0.775	2	01/04/2024 03:39	WG2198815
2,4-Dimethylphenol	ND		0.775	2	01/04/2024 03:39	WG2198815
4,6-Dinitro-2-methylphenol	ND		0.775	2	01/04/2024 03:39	WG2198815
2,4-Dinitrophenol	ND		0.775	2	01/04/2024 03:39	WG2198815
2-Nitrophenol	ND		0.775	2	01/04/2024 03:39	WG2198815
4-Nitrophenol	ND		0.775	2	01/04/2024 03:39	WG2198815
Pentachlorophenol	ND		0.775	2	01/04/2024 03:39	WG2198815
Phenol	ND		0.775	2	01/04/2024 03:39	WG2198815
2,4,6-Trichlorophenol	ND		0.775	2	01/04/2024 03:39	WG2198815
(S) 2-Fluorophenol	65.7		12.0-120		01/04/2024 03:39	WG2198815
(S) Phenol-d5	61.7		10.0-120		01/04/2024 03:39	WG2198815
(S) Nitrobenzene-d5	52.9		10.0-122		01/04/2024 03:39	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	60.4		15.0-120		01/04/2024 03:39	WG2198815
(S) 2,4,6-Tribromophenol	61.7		10.0-127		01/04/2024 03:39	WG2198815
(S) p-Terphenyl-d14	65.6		10.0-120		01/04/2024 03:39	WG2198815

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.6		1	01/02/2024 08:38	WG2199120

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.31	1	01/04/2024 11:31	WG2199071

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0948		0.0522	1	01/02/2024 08:56	WG2198766

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	J4	3.92	5	01/21/2024 20:21	WG2198867
Arsenic	2.00		1.31	5	01/21/2024 20:21	WG2198867
Barium	99.8		3.26	5	01/21/2024 20:21	WG2198867
Beryllium	ND	J4	3.26	5	01/21/2024 20:21	WG2198867
Cadmium	ND		1.31	5	01/21/2024 20:21	WG2198867
Chromium	16.8		6.53	5	01/21/2024 20:21	WG2198867
Cobalt	9.88		1.31	5	01/21/2024 20:21	WG2198867
Copper	11.7		6.53	5	01/21/2024 20:21	WG2198867
Lead	40.5		2.61	5	01/21/2024 20:21	WG2198867
Manganese	654		32.6	50	01/22/2024 15:37	WG2198867
Nickel	13.5		3.26	5	01/21/2024 20:21	WG2198867
Selenium	ND		3.26	5	01/21/2024 20:21	WG2198867
Silver	ND		0.653	5	01/21/2024 20:21	WG2198867
Thallium	ND		2.61	5	01/21/2024 20:21	WG2198867
Vanadium	25.9		3.26	5	01/21/2024 20:21	WG2198867
Zinc	ND		32.6	5	01/22/2024 15:34	WG2198867

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	J4	0.110	1.45	01/04/2024 07:43	WG2200463
Acrylonitrile	ND		0.0274	1.45	01/04/2024 07:43	WG2200463
Benzene	ND		0.00220	1.45	01/04/2024 07:43	WG2200463
Bromobenzene	ND		0.0274	1.45	01/04/2024 07:43	WG2200463
Bromodichloromethane	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
Bromoform	ND		0.0550	1.45	01/04/2024 07:43	WG2200463
Bromomethane	ND		0.0274	1.45	01/04/2024 07:43	WG2200463
n-Butylbenzene	ND	C3	0.0274	1.45	01/04/2024 07:43	WG2200463
sec-Butylbenzene	ND		0.0274	1.45	01/05/2024 20:40	WG2201583
tert-Butylbenzene	ND		0.0110	1.45	01/05/2024 20:40	WG2201583
Carbon tetrachloride	ND		0.0110	1.45	01/04/2024 07:43	WG2200463
Chlorobenzene	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
Chlorodibromomethane	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
Chloroethane	ND		0.0110	1.45	01/04/2024 07:43	WG2200463
Chloroform	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
Chloromethane	ND		0.0274	1.45	01/04/2024 07:43	WG2200463
2-Chlorotoluene	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
4-Chlorotoluene	ND		0.0110	1.45	01/04/2024 07:43	WG2200463
1,2-Dibromo-3-Chloropropane	ND		0.0550	1.45	01/04/2024 07:43	WG2200463

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
Dibromomethane	ND		0.0110	1.45	01/04/2024 07:43	WG2200463
1,2-Dichlorobenzene	ND		0.0110	1.45	01/04/2024 07:43	WG2200463
1,3-Dichlorobenzene	ND		0.0110	1.45	01/04/2024 07:43	WG2200463
1,4-Dichlorobenzene	ND		0.0110	1.45	01/04/2024 07:43	WG2200463
Dichlorodifluoromethane	ND		0.0110	1.45	01/04/2024 07:43	WG2200463
1,1-Dichloroethane	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
1,2-Dichloroethane	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
1,1-Dichloroethene	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
cis-1,2-Dichloroethene	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
trans-1,2-Dichloroethene	ND		0.0110	1.45	01/04/2024 07:43	WG2200463
1,2-Dichloropropane	ND		0.0110	1.45	01/04/2024 07:43	WG2200463
1,1-Dichloropropene	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
1,3-Dichloropropane	ND		0.0110	1.45	01/04/2024 07:43	WG2200463
cis-1,3-Dichloropropene	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
trans-1,3-Dichloropropene	ND		0.0110	1.45	01/04/2024 07:43	WG2200463
2,2-Dichloropropane	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
Di-isopropyl ether	ND		0.00220	1.45	01/04/2024 07:43	WG2200463
Ethylbenzene	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
Hexachloro-1,3-butadiene	ND		0.0550	1.45	01/04/2024 07:43	WG2200463
Isopropylbenzene	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
p-Isopropyltoluene	0.0693		0.0110	1.45	01/05/2024 20:40	WG2201583
2-Butanone (MEK)	ND		0.220	1.45	01/04/2024 07:43	WG2200463
Methylene Chloride	ND		0.0550	1.45	01/04/2024 07:43	WG2200463
4-Methyl-2-pentanone (MIBK)	ND		0.0550	1.45	01/04/2024 07:43	WG2200463
Methyl tert-butyl ether	ND		0.00220	1.45	01/04/2024 07:43	WG2200463
Naphthalene	ND	C3	0.0274	1.45	01/04/2024 07:43	WG2200463
n-Propylbenzene	ND		0.0110	1.45	01/04/2024 07:43	WG2200463
Styrene	ND		0.0274	1.45	01/04/2024 07:43	WG2200463
1,1,1,2-Tetrachloroethane	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
1,1,2,2-Tetrachloroethane	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
Tetrachloroethene	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
Toluene	ND		0.0110	1.45	01/04/2024 07:43	WG2200463
1,2,3-Trichlorobenzene	ND		0.0274	1.45	01/04/2024 07:43	WG2200463
1,2,4-Trichlorobenzene	ND		0.0274	1.45	01/04/2024 07:43	WG2200463
1,1,1-Trichloroethane	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
1,1,2-Trichloroethane	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
Trichloroethene	ND		0.00220	1.45	01/04/2024 07:43	WG2200463
Trichlorofluoromethane	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
1,2,3-Trichloropropane	ND		0.0274	1.45	01/04/2024 07:43	WG2200463
1,2,4-Trimethylbenzene	ND	C3	0.0110	1.45	01/04/2024 07:43	WG2200463
1,3,5-Trimethylbenzene	ND		0.0110	1.45	01/05/2024 20:40	WG2201583
Vinyl chloride	ND		0.00550	1.45	01/04/2024 07:43	WG2200463
Xylenes, Total	ND		0.0143	1.45	01/04/2024 07:43	WG2200463
(S) Toluene-d8	107		75.0-131		01/04/2024 07:43	WG2200463
(S) Toluene-d8	101		75.0-131		01/05/2024 20:40	WG2201583
(S) 4-Bromofluorobenzene	94.1		67.0-138		01/04/2024 07:43	WG2200463
(S) 4-Bromofluorobenzene	102		67.0-138		01/05/2024 20:40	WG2201583
(S) 1,2-Dichloroethane-d4	87.1		70.0-130		01/04/2024 07:43	WG2200463
(S) 1,2-Dichloroethane-d4	89.8		70.0-130		01/05/2024 20:40	WG2201583

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0435	1	01/03/2024 03:14	WG2198815
Acenaphthylene	ND		0.0435	1	01/03/2024 03:14	WG2198815
Anthracene	ND		0.0435	1	01/03/2024 03:14	WG2198815
Benzidine	ND		2.18	1	01/03/2024 03:14	WG2198815
Benzo(a)anthracene	ND		0.0435	1	01/03/2024 03:14	WG2198815
Benzo(b)fluoranthene	ND		0.0435	1	01/03/2024 03:14	WG2198815
Benzo(k)fluoranthene	ND		0.0435	1	01/03/2024 03:14	WG2198815
Benzo(g,h,i)perylene	ND		0.0435	1	01/03/2024 03:14	WG2198815
Benzo(a)pyrene	ND		0.0435	1	01/03/2024 03:14	WG2198815
Bis(2-chlorethoxy)methane	ND		0.435	1	01/03/2024 03:14	WG2198815
Bis(2-chloroethyl)ether	ND		0.435	1	01/03/2024 03:14	WG2198815
2,2-Oxybis(1-Chloropropane)	ND		0.435	1	01/03/2024 03:14	WG2198815
4-Bromophenyl-phenylether	ND		0.435	1	01/03/2024 03:14	WG2198815
2-Chloronaphthalene	ND		0.0435	1	01/03/2024 03:14	WG2198815
4-Chlorophenyl-phenylether	ND		0.435	1	01/03/2024 03:14	WG2198815
Chrysene	ND		0.0435	1	01/03/2024 03:14	WG2198815
Dibenz(a,h)anthracene	ND		0.0435	1	01/03/2024 03:14	WG2198815
3,3-Dichlorobenzidine	ND		0.435	1	01/03/2024 03:14	WG2198815
2,4-Dinitrotoluene	ND		0.435	1	01/03/2024 03:14	WG2198815
2,6-Dinitrotoluene	ND		0.435	1	01/03/2024 03:14	WG2198815
Fluoranthene	ND		0.0435	1	01/03/2024 03:14	WG2198815
Fluorene	ND		0.0435	1	01/03/2024 03:14	WG2198815
Hexachlorobenzene	ND		0.435	1	01/03/2024 03:14	WG2198815
Hexachloro-1,3-butadiene	ND		0.435	1	01/03/2024 03:14	WG2198815
Hexachlorocyclopentadiene	ND		0.435	1	01/03/2024 03:14	WG2198815
Hexachloroethane	ND		0.435	1	01/03/2024 03:14	WG2198815
Indeno(1,2,3-cd)pyrene	ND		0.0435	1	01/03/2024 03:14	WG2198815
Isophorone	ND		0.435	1	01/03/2024 03:14	WG2198815
Naphthalene	ND		0.0435	1	01/03/2024 03:14	WG2198815
Nitrobenzene	ND		0.435	1	01/03/2024 03:14	WG2198815
n-Nitrosodimethylamine	ND		0.435	1	01/03/2024 03:14	WG2198815
n-Nitrosodiphenylamine	ND		0.435	1	01/03/2024 03:14	WG2198815
n-Nitrosodi-n-propylamine	ND		0.435	1	01/03/2024 03:14	WG2198815
Phenanthrene	ND		0.0435	1	01/03/2024 03:14	WG2198815
Benzylbutyl phthalate	ND		0.435	1	01/03/2024 03:14	WG2198815
Bis(2-ethylhexyl)phthalate	ND		0.435	1	01/03/2024 03:14	WG2198815
Di-n-butyl phthalate	ND		0.435	1	01/03/2024 03:14	WG2198815
Diethyl phthalate	ND		0.435	1	01/03/2024 03:14	WG2198815
Dimethyl phthalate	ND		0.435	1	01/03/2024 03:14	WG2198815
Di-n-octyl phthalate	ND		0.435	1	01/03/2024 03:14	WG2198815
Pyrene	ND		0.0435	1	01/03/2024 03:14	WG2198815
1,2,4-Trichlorobenzene	ND		0.435	1	01/03/2024 03:14	WG2198815
4-Chloro-3-methylphenol	ND		0.435	1	01/03/2024 03:14	WG2198815
2-Chlorophenol	ND		0.435	1	01/03/2024 03:14	WG2198815
2,4-Dichlorophenol	ND		0.435	1	01/03/2024 03:14	WG2198815
2,4-Dimethylphenol	ND		0.435	1	01/03/2024 03:14	WG2198815
4,6-Dinitro-2-methylphenol	ND		0.435	1	01/03/2024 03:14	WG2198815
2,4-Dinitrophenol	ND		0.435	1	01/03/2024 03:14	WG2198815
2-Nitrophenol	ND		0.435	1	01/03/2024 03:14	WG2198815
4-Nitrophenol	ND		0.435	1	01/03/2024 03:14	WG2198815
Pentachlorophenol	ND		0.435	1	01/03/2024 03:14	WG2198815
Phenol	ND		0.435	1	01/03/2024 03:14	WG2198815
2,4,6-Trichlorophenol	ND		0.435	1	01/03/2024 03:14	WG2198815
(S) 2-Fluorophenol	55.6		12.0-120		01/03/2024 03:14	WG2198815
(S) Phenol-d5	54.1		10.0-120		01/03/2024 03:14	WG2198815
(S) Nitrobenzene-d5	45.9		10.0-122		01/03/2024 03:14	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	50.8		15.0-120		01/03/2024 03:14	WG2198815
(S) 2,4,6-Tribromophenol	54.8		10.0-127		01/03/2024 03:14	WG2198815
(S) p-Terphenyl-d14	57.7		10.0-120		01/03/2024 03:14	WG2198815

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.6		1	01/02/2024 08:38	WG2199120

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.33		1.16	1	01/04/2024 11:37	WG2199071

Mercury by Method 7471B

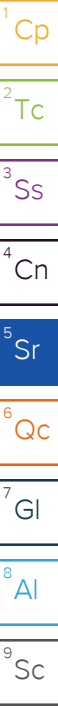
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0462	1	01/02/2024 08:58	WG2198766

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	J4 J6 O1	3.47	5	01/21/2024 19:47	WG2198867
Arsenic	1.77		1.16	5	01/21/2024 19:47	WG2198867
Barium	48.9	J5	2.89	5	01/21/2024 19:47	WG2198867
Beryllium	ND	J4	2.89	5	01/21/2024 19:47	WG2198867
Cadmium	ND		1.16	5	01/21/2024 19:47	WG2198867
Chromium	37.1	J5	5.78	5	01/21/2024 19:47	WG2198867
Cobalt	8.41		1.16	5	01/21/2024 19:47	WG2198867
Copper	12.5		5.78	5	01/21/2024 19:47	WG2198867
Lead	18.4	J5 O1	2.31	5	01/21/2024 19:47	WG2198867
Manganese	247		11.6	20	01/22/2024 15:24	WG2198867
Nickel	14.5		2.89	5	01/21/2024 19:47	WG2198867
Selenium	ND		2.89	5	01/21/2024 19:47	WG2198867
Silver	ND		0.578	5	01/21/2024 19:47	WG2198867
Thallium	ND		2.31	5	01/21/2024 19:47	WG2198867
Vanadium	36.6		2.89	5	01/21/2024 19:47	WG2198867
Zinc	ND		28.9	5	01/22/2024 18:48	WG2198867

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	J4	0.0686	1	01/04/2024 08:02	WG2200463
Acrylonitrile	ND		0.0171	1	01/04/2024 08:02	WG2200463
Benzene	ND		0.00137	1	01/04/2024 08:02	WG2200463
Bromobenzene	ND		0.0171	1	01/04/2024 08:02	WG2200463
Bromodichloromethane	ND		0.00343	1	01/04/2024 08:02	WG2200463
Bromoform	ND		0.0343	1	01/04/2024 08:02	WG2200463
Bromomethane	ND		0.0171	1	01/04/2024 08:02	WG2200463
n-Butylbenzene	ND	C3	0.0171	1	01/04/2024 08:02	WG2200463
sec-Butylbenzene	ND		0.0171	1	01/05/2024 21:00	WG2201583
tert-Butylbenzene	ND		0.00686	1	01/05/2024 21:00	WG2201583
Carbon tetrachloride	ND		0.00686	1	01/04/2024 08:02	WG2200463
Chlorobenzene	ND		0.00343	1	01/04/2024 08:02	WG2200463
Chlorodibromomethane	ND		0.00343	1	01/04/2024 08:02	WG2200463
Chloroethane	ND		0.00686	1	01/04/2024 08:02	WG2200463
Chloroform	ND		0.00343	1	01/04/2024 08:02	WG2200463
Chloromethane	ND		0.0171	1	01/04/2024 08:02	WG2200463
2-Chlorotoluene	ND		0.00343	1	01/04/2024 08:02	WG2200463
4-Chlorotoluene	ND		0.00686	1	01/04/2024 08:02	WG2200463
1,2-Dibromo-3-Chloropropane	ND		0.0343	1	01/04/2024 08:02	WG2200463



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00343	1	01/04/2024 08:02	WG2200463
Dibromomethane	ND		0.00686	1	01/04/2024 08:02	WG2200463
1,2-Dichlorobenzene	ND		0.00686	1	01/04/2024 08:02	WG2200463
1,3-Dichlorobenzene	ND		0.00686	1	01/04/2024 08:02	WG2200463
1,4-Dichlorobenzene	ND		0.00686	1	01/04/2024 08:02	WG2200463
Dichlorodifluoromethane	ND		0.00686	1	01/04/2024 08:02	WG2200463
1,1-Dichloroethane	ND		0.00343	1	01/04/2024 08:02	WG2200463
1,2-Dichloroethane	ND		0.00343	1	01/04/2024 08:02	WG2200463
1,1-Dichloroethene	ND		0.00343	1	01/04/2024 08:02	WG2200463
cis-1,2-Dichloroethene	ND		0.00343	1	01/04/2024 08:02	WG2200463
trans-1,2-Dichloroethene	ND		0.00686	1	01/04/2024 08:02	WG2200463
1,2-Dichloropropane	ND		0.00686	1	01/04/2024 08:02	WG2200463
1,1-Dichloropropene	ND		0.00343	1	01/04/2024 08:02	WG2200463
1,3-Dichloropropane	ND		0.00686	1	01/04/2024 08:02	WG2200463
cis-1,3-Dichloropropene	ND		0.00343	1	01/04/2024 08:02	WG2200463
trans-1,3-Dichloropropene	ND		0.00686	1	01/04/2024 08:02	WG2200463
2,2-Dichloropropane	ND		0.00343	1	01/04/2024 08:02	WG2200463
Di-isopropyl ether	ND		0.00137	1	01/04/2024 08:02	WG2200463
Ethylbenzene	ND		0.00343	1	01/04/2024 08:02	WG2200463
Hexachloro-1,3-butadiene	ND		0.0343	1	01/04/2024 08:02	WG2200463
Isopropylbenzene	ND		0.00343	1	01/04/2024 08:02	WG2200463
p-Isopropyltoluene	ND		0.00686	1	01/05/2024 21:00	WG2201583
2-Butanone (MEK)	ND		0.137	1	01/04/2024 08:02	WG2200463
Methylene Chloride	ND		0.0343	1	01/04/2024 08:02	WG2200463
4-Methyl-2-pentanone (MIBK)	ND		0.0343	1	01/04/2024 08:02	WG2200463
Methyl tert-butyl ether	ND		0.00137	1	01/04/2024 08:02	WG2200463
Naphthalene	0.0214	B C3	0.0171	1	01/04/2024 08:02	WG2200463
n-Propylbenzene	ND		0.00686	1	01/04/2024 08:02	WG2200463
Styrene	ND		0.0171	1	01/04/2024 08:02	WG2200463
1,1,1,2-Tetrachloroethane	ND		0.00343	1	01/04/2024 08:02	WG2200463
1,1,2,2-Tetrachloroethane	ND		0.00343	1	01/04/2024 08:02	WG2200463
Tetrachloroethene	ND		0.00343	1	01/04/2024 08:02	WG2200463
Toluene	ND		0.00686	1	01/04/2024 08:02	WG2200463
1,2,3-Trichlorobenzene	ND		0.0171	1	01/04/2024 08:02	WG2200463
1,2,4-Trichlorobenzene	ND		0.0171	1	01/04/2024 08:02	WG2200463
1,1,1-Trichloroethane	ND		0.00343	1	01/04/2024 08:02	WG2200463
1,1,2-Trichloroethane	ND		0.00343	1	01/04/2024 08:02	WG2200463
Trichloroethene	ND		0.00137	1	01/04/2024 08:02	WG2200463
Trichlorofluoromethane	ND		0.00343	1	01/04/2024 08:02	WG2200463
1,2,3-Trichloropropane	ND		0.0171	1	01/04/2024 08:02	WG2200463
1,2,4-Trimethylbenzene	ND		0.00686	1	01/05/2024 21:00	WG2201583
1,3,5-Trimethylbenzene	ND		0.00686	1	01/05/2024 21:00	WG2201583
Vinyl chloride	ND		0.00343	1	01/04/2024 08:02	WG2200463
Xylenes, Total	ND		0.00892	1	01/04/2024 08:02	WG2200463
(S) Toluene-d8	109		75.0-131		01/04/2024 08:02	WG2200463
(S) Toluene-d8	101		75.0-131		01/05/2024 21:00	WG2201583
(S) 4-Bromofluorobenzene	96.1		67.0-138		01/04/2024 08:02	WG2200463
(S) 4-Bromofluorobenzene	98.7		67.0-138		01/05/2024 21:00	WG2201583
(S) 1,2-Dichloroethane-d4	93.8		70.0-130		01/04/2024 08:02	WG2200463
(S) 1,2-Dichloroethane-d4	88.1		70.0-130		01/05/2024 21:00	WG2201583

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0385	1	01/03/2024 03:54	WG2198815
Acenaphthylene	ND		0.0385	1	01/03/2024 03:54	WG2198815
Anthracene	ND		0.0385	1	01/03/2024 03:54	WG2198815
Benzidine	ND		1.93	1	01/03/2024 03:54	WG2198815
Benzo(a)anthracene	0.224		0.0385	1	01/03/2024 03:54	WG2198815
Benzo(b)fluoranthene	0.308		0.0385	1	01/03/2024 03:54	WG2198815
Benzo(k)fluoranthene	0.112		0.0385	1	01/03/2024 03:54	WG2198815
Benzo(g,h,i)perylene	0.128		0.0385	1	01/03/2024 03:54	WG2198815
Benzo(a)pyrene	0.253		0.0385	1	01/03/2024 03:54	WG2198815
Bis(2-chloroethoxy)methane	ND		0.385	1	01/03/2024 03:54	WG2198815
Bis(2-chloroethyl)ether	ND		0.385	1	01/03/2024 03:54	WG2198815
2,2-Oxybis(1-Chloropropane)	ND		0.385	1	01/03/2024 03:54	WG2198815
4-Bromophenyl-phenylether	ND		0.385	1	01/03/2024 03:54	WG2198815
2-Chloronaphthalene	ND		0.0385	1	01/03/2024 03:54	WG2198815
4-Chlorophenyl-phenylether	ND		0.385	1	01/03/2024 03:54	WG2198815
Chrysene	0.239		0.0385	1	01/03/2024 03:54	WG2198815
Dibenz(a,h)anthracene	ND		0.0385	1	01/03/2024 03:54	WG2198815
3,3-Dichlorobenzidine	ND		0.385	1	01/03/2024 03:54	WG2198815
2,4-Dinitrotoluene	ND		0.385	1	01/03/2024 03:54	WG2198815
2,6-Dinitrotoluene	ND		0.385	1	01/03/2024 03:54	WG2198815
Fluoranthene	0.415		0.0385	1	01/03/2024 03:54	WG2198815
Fluorene	ND		0.0385	1	01/03/2024 03:54	WG2198815
Hexachlorobenzene	ND		0.385	1	01/03/2024 03:54	WG2198815
Hexachloro-1,3-butadiene	ND		0.385	1	01/03/2024 03:54	WG2198815
Hexachlorocyclopentadiene	ND		0.385	1	01/03/2024 03:54	WG2198815
Hexachloroethane	ND		0.385	1	01/03/2024 03:54	WG2198815
Indeno(1,2,3-cd)pyrene	0.134		0.0385	1	01/03/2024 03:54	WG2198815
Isophorone	ND		0.385	1	01/03/2024 03:54	WG2198815
Naphthalene	0.0422		0.0385	1	01/03/2024 03:54	WG2198815
Nitrobenzene	ND		0.385	1	01/03/2024 03:54	WG2198815
n-Nitrosodimethylamine	ND		0.385	1	01/03/2024 03:54	WG2198815
n-Nitrosodiphenylamine	ND		0.385	1	01/03/2024 03:54	WG2198815
n-Nitrosodi-n-propylamine	ND		0.385	1	01/03/2024 03:54	WG2198815
Phenanthrene	0.217		0.0385	1	01/03/2024 03:54	WG2198815
Benzylbutyl phthalate	ND		0.385	1	01/03/2024 03:54	WG2198815
Bis(2-ethylhexyl)phthalate	ND		0.385	1	01/03/2024 03:54	WG2198815
Di-n-butyl phthalate	ND		0.385	1	01/03/2024 03:54	WG2198815
Diethyl phthalate	ND		0.385	1	01/03/2024 03:54	WG2198815
Dimethyl phthalate	ND		0.385	1	01/03/2024 03:54	WG2198815
Di-n-octyl phthalate	ND		0.385	1	01/03/2024 03:54	WG2198815
Pyrene	0.429		0.0385	1	01/03/2024 03:54	WG2198815
1,2,4-Trichlorobenzene	ND		0.385	1	01/03/2024 03:54	WG2198815
4-Chloro-3-methylphenol	ND		0.385	1	01/03/2024 03:54	WG2198815
2-Chlorophenol	ND		0.385	1	01/03/2024 03:54	WG2198815
2,4-Dichlorophenol	ND		0.385	1	01/03/2024 03:54	WG2198815
2,4-Dimethylphenol	ND		0.385	1	01/03/2024 03:54	WG2198815
4,6-Dinitro-2-methylphenol	ND		0.385	1	01/03/2024 03:54	WG2198815
2,4-Dinitrophenol	ND		0.385	1	01/03/2024 03:54	WG2198815
2-Nitrophenol	ND		0.385	1	01/03/2024 03:54	WG2198815
4-Nitrophenol	ND		0.385	1	01/03/2024 03:54	WG2198815
Pentachlorophenol	ND		0.385	1	01/03/2024 03:54	WG2198815
Phenol	ND		0.385	1	01/03/2024 03:54	WG2198815
2,4,6-Trichlorophenol	ND		0.385	1	01/03/2024 03:54	WG2198815
(S) 2-Fluorophenol	54.8		12.0-120		01/03/2024 03:54	WG2198815
(S) Phenol-d5	52.1		10.0-120		01/03/2024 03:54	WG2198815
(S) Nitrobenzene-d5	48.3		10.0-122		01/03/2024 03:54	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	53.2		15.0-120		01/03/2024 03:54	WG2198815
(S) 2,4,6-Tribromophenol	52.1		10.0-127		01/03/2024 03:54	WG2198815
(S) p-Terphenyl-d14	58.0		10.0-120		01/03/2024 03:54	WG2198815

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.4		1	01/02/2024 08:38	WG2199120

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.21	1	01/04/2024 11:43	WG2199071

Mercury by Method 7471B

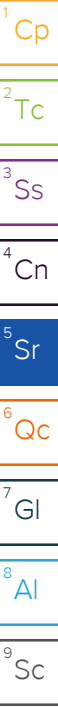
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0801		0.0485	1	01/02/2024 09:01	WG2198766

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	J4	3.64	5	01/21/2024 20:24	WG2198867
Arsenic	2.30		1.21	5	01/21/2024 20:24	WG2198867
Barium	71.5		3.03	5	01/21/2024 20:24	WG2198867
Beryllium	ND	J4	3.03	5	01/21/2024 20:24	WG2198867
Cadmium	ND		1.21	5	01/21/2024 20:24	WG2198867
Chromium	23.9		6.07	5	01/21/2024 20:24	WG2198867
Cobalt	9.34		1.21	5	01/21/2024 20:24	WG2198867
Copper	20.6		6.07	5	01/21/2024 20:24	WG2198867
Lead	29.1		2.43	5	01/21/2024 20:24	WG2198867
Manganese	471		15.2	25	01/22/2024 15:44	WG2198867
Nickel	19.5		3.03	5	01/21/2024 20:24	WG2198867
Selenium	ND		3.03	5	01/21/2024 20:24	WG2198867
Silver	ND		0.607	5	01/21/2024 20:24	WG2198867
Thallium	ND		2.43	5	01/21/2024 20:24	WG2198867
Vanadium	29.2		3.03	5	01/21/2024 20:24	WG2198867
Zinc	42.2	B	30.3	5	01/22/2024 15:40	WG2198867

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	J4	0.0724	1	01/04/2024 08:22	WG2200463
Acrylonitrile	ND		0.0181	1	01/04/2024 08:22	WG2200463
Benzene	ND		0.00145	1	01/04/2024 08:22	WG2200463
Bromobenzene	ND		0.0181	1	01/04/2024 08:22	WG2200463
Bromodichloromethane	ND		0.00362	1	01/04/2024 08:22	WG2200463
Bromoform	ND		0.0362	1	01/04/2024 08:22	WG2200463
Bromomethane	ND		0.0181	1	01/04/2024 08:22	WG2200463
n-Butylbenzene	ND	C3	0.0181	1	01/04/2024 08:22	WG2200463
sec-Butylbenzene	ND		0.0181	1	01/05/2024 21:19	WG2201583
tert-Butylbenzene	ND		0.00724	1	01/05/2024 21:19	WG2201583
Carbon tetrachloride	ND		0.00724	1	01/04/2024 08:22	WG2200463
Chlorobenzene	ND		0.00362	1	01/04/2024 08:22	WG2200463
Chlorodibromomethane	ND		0.00362	1	01/04/2024 08:22	WG2200463
Chloroethane	ND		0.00724	1	01/04/2024 08:22	WG2200463
Chloroform	ND		0.00362	1	01/04/2024 08:22	WG2200463
Chloromethane	ND		0.0181	1	01/04/2024 08:22	WG2200463
2-Chlorotoluene	ND		0.00362	1	01/04/2024 08:22	WG2200463
4-Chlorotoluene	ND		0.00724	1	01/04/2024 08:22	WG2200463
1,2-Dibromo-3-Chloropropane	ND		0.0362	1	01/04/2024 08:22	WG2200463



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00362	1	01/04/2024 08:22	WG2200463
Dibromomethane	ND		0.00724	1	01/04/2024 08:22	WG2200463
1,2-Dichlorobenzene	ND		0.00724	1	01/04/2024 08:22	WG2200463
1,3-Dichlorobenzene	ND		0.00724	1	01/04/2024 08:22	WG2200463
1,4-Dichlorobenzene	ND		0.00724	1	01/04/2024 08:22	WG2200463
Dichlorodifluoromethane	ND		0.00724	1	01/04/2024 08:22	WG2200463
1,1-Dichloroethane	ND		0.00362	1	01/04/2024 08:22	WG2200463
1,2-Dichloroethane	ND		0.00362	1	01/04/2024 08:22	WG2200463
1,1-Dichloroethene	ND		0.00362	1	01/04/2024 08:22	WG2200463
cis-1,2-Dichloroethene	ND		0.00362	1	01/04/2024 08:22	WG2200463
trans-1,2-Dichloroethene	ND		0.00724	1	01/04/2024 08:22	WG2200463
1,2-Dichloropropane	ND		0.00724	1	01/04/2024 08:22	WG2200463
1,1-Dichloropropene	ND		0.00362	1	01/04/2024 08:22	WG2200463
1,3-Dichloropropane	ND		0.00724	1	01/04/2024 08:22	WG2200463
cis-1,3-Dichloropropene	ND		0.00362	1	01/04/2024 08:22	WG2200463
trans-1,3-Dichloropropene	ND		0.00724	1	01/04/2024 08:22	WG2200463
2,2-Dichloropropane	ND		0.00362	1	01/04/2024 08:22	WG2200463
Di-isopropyl ether	ND		0.00145	1	01/04/2024 08:22	WG2200463
Ethylbenzene	ND		0.00362	1	01/04/2024 08:22	WG2200463
Hexachloro-1,3-butadiene	ND		0.0362	1	01/04/2024 08:22	WG2200463
Isopropylbenzene	ND		0.00362	1	01/04/2024 08:22	WG2200463
p-Isopropyltoluene	ND		0.00724	1	01/05/2024 21:19	WG2201583
2-Butanone (MEK)	ND		0.145	1	01/04/2024 08:22	WG2200463
Methylene Chloride	ND		0.0362	1	01/04/2024 08:22	WG2200463
4-Methyl-2-pentanone (MIBK)	ND		0.0362	1	01/04/2024 08:22	WG2200463
Methyl tert-butyl ether	ND		0.00145	1	01/04/2024 08:22	WG2200463
Naphthalene	ND	C3	0.0181	1	01/04/2024 08:22	WG2200463
n-Propylbenzene	ND		0.00724	1	01/04/2024 08:22	WG2200463
Styrene	ND		0.0181	1	01/04/2024 08:22	WG2200463
1,1,1,2-Tetrachloroethane	ND		0.00362	1	01/04/2024 08:22	WG2200463
1,1,2,2-Tetrachloroethane	ND		0.00362	1	01/04/2024 08:22	WG2200463
Tetrachloroethene	ND		0.00362	1	01/04/2024 08:22	WG2200463
Toluene	ND		0.00724	1	01/04/2024 08:22	WG2200463
1,2,3-Trichlorobenzene	ND		0.0181	1	01/04/2024 08:22	WG2200463
1,2,4-Trichlorobenzene	ND		0.0181	1	01/04/2024 08:22	WG2200463
1,1,1-Trichloroethane	ND		0.00362	1	01/04/2024 08:22	WG2200463
1,1,2-Trichloroethane	ND		0.00362	1	01/04/2024 08:22	WG2200463
Trichloroethene	ND		0.00145	1	01/04/2024 08:22	WG2200463
Trichlorofluoromethane	ND		0.00362	1	01/04/2024 08:22	WG2200463
1,2,3-Trichloropropane	ND		0.0181	1	01/04/2024 08:22	WG2200463
1,2,4-Trimethylbenzene	ND		0.00724	1	01/05/2024 21:19	WG2201583
1,3,5-Trimethylbenzene	ND		0.00724	1	01/05/2024 21:19	WG2201583
Vinyl chloride	ND		0.00362	1	01/04/2024 08:22	WG2200463
Xylenes, Total	ND		0.00941	1	01/04/2024 08:22	WG2200463
(S) Toluene-d8	110		75.0-131		01/04/2024 08:22	WG2200463
(S) Toluene-d8	102		75.0-131		01/05/2024 21:19	WG2201583
(S) 4-Bromofluorobenzene	97.4		67.0-138		01/04/2024 08:22	WG2200463
(S) 4-Bromofluorobenzene	102		67.0-138		01/05/2024 21:19	WG2201583
(S) 1,2-Dichloroethane-d4	92.3		70.0-130		01/04/2024 08:22	WG2200463
(S) 1,2-Dichloroethane-d4	94.1		70.0-130		01/05/2024 21:19	WG2201583

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0404	1	01/03/2024 04:54	WG2198815
Acenaphthylene	ND		0.0404	1	01/03/2024 04:54	WG2198815
Anthracene	ND		0.0404	1	01/03/2024 04:54	WG2198815
Benzidine	ND		2.03	1	01/03/2024 04:54	WG2198815
Benzo(a)anthracene	ND		0.0404	1	01/03/2024 04:54	WG2198815
Benzo(b)fluoranthene	0.0570		0.0404	1	01/03/2024 04:54	WG2198815
Benzo(k)fluoranthene	ND		0.0404	1	01/03/2024 04:54	WG2198815
Benzo(g,h,i)perylene	ND		0.0404	1	01/03/2024 04:54	WG2198815
Benzo(a)pyrene	0.0411		0.0404	1	01/03/2024 04:54	WG2198815
Bis(2-chloroethoxy)methane	ND		0.404	1	01/03/2024 04:54	WG2198815
Bis(2-chloroethyl)ether	ND		0.404	1	01/03/2024 04:54	WG2198815
2,2-Oxybis(1-Chloropropane)	ND		0.404	1	01/03/2024 04:54	WG2198815
4-Bromophenyl-phenylether	ND		0.404	1	01/03/2024 04:54	WG2198815
2-Chloronaphthalene	ND		0.0404	1	01/03/2024 04:54	WG2198815
4-Chlorophenyl-phenylether	ND		0.404	1	01/03/2024 04:54	WG2198815
Chrysene	ND		0.0404	1	01/03/2024 04:54	WG2198815
Dibenz(a,h)anthracene	ND		0.0404	1	01/03/2024 04:54	WG2198815
3,3-Dichlorobenzidine	ND		0.404	1	01/03/2024 04:54	WG2198815
2,4-Dinitrotoluene	ND		0.404	1	01/03/2024 04:54	WG2198815
2,6-Dinitrotoluene	ND		0.404	1	01/03/2024 04:54	WG2198815
Fluoranthene	0.0727		0.0404	1	01/03/2024 04:54	WG2198815
Fluorene	ND		0.0404	1	01/03/2024 04:54	WG2198815
Hexachlorobenzene	ND		0.404	1	01/03/2024 04:54	WG2198815
Hexachloro-1,3-butadiene	ND		0.404	1	01/03/2024 04:54	WG2198815
Hexachlorocyclopentadiene	ND		0.404	1	01/03/2024 04:54	WG2198815
Hexachloroethane	ND		0.404	1	01/03/2024 04:54	WG2198815
Indeno(1,2,3-cd)pyrene	ND		0.0404	1	01/03/2024 04:54	WG2198815
Isophorone	ND		0.404	1	01/03/2024 04:54	WG2198815
Naphthalene	0.0454		0.0404	1	01/03/2024 04:54	WG2198815
Nitrobenzene	ND		0.404	1	01/03/2024 04:54	WG2198815
n-Nitrosodimethylamine	ND		0.404	1	01/03/2024 04:54	WG2198815
n-Nitrosodiphenylamine	ND		0.404	1	01/03/2024 04:54	WG2198815
n-Nitrosodi-n-propylamine	ND		0.404	1	01/03/2024 04:54	WG2198815
Phenanthrene	ND		0.0404	1	01/03/2024 04:54	WG2198815
Benzylbutyl phthalate	ND		0.404	1	01/03/2024 04:54	WG2198815
Bis(2-ethylhexyl)phthalate	ND		0.404	1	01/03/2024 04:54	WG2198815
Di-n-butyl phthalate	ND		0.404	1	01/03/2024 04:54	WG2198815
Diethyl phthalate	ND		0.404	1	01/03/2024 04:54	WG2198815
Dimethyl phthalate	ND		0.404	1	01/03/2024 04:54	WG2198815
Di-n-octyl phthalate	ND		0.404	1	01/03/2024 04:54	WG2198815
Pyrene	0.0655		0.0404	1	01/03/2024 04:54	WG2198815
1,2,4-Trichlorobenzene	ND		0.404	1	01/03/2024 04:54	WG2198815
4-Chloro-3-methylphenol	ND		0.404	1	01/03/2024 04:54	WG2198815
2-Chlorophenol	ND		0.404	1	01/03/2024 04:54	WG2198815
2,4-Dichlorophenol	ND		0.404	1	01/03/2024 04:54	WG2198815
2,4-Dimethylphenol	ND		0.404	1	01/03/2024 04:54	WG2198815
4,6-Dinitro-2-methylphenol	ND		0.404	1	01/03/2024 04:54	WG2198815
2,4-Dinitrophenol	ND		0.404	1	01/03/2024 04:54	WG2198815
2-Nitrophenol	ND		0.404	1	01/03/2024 04:54	WG2198815
4-Nitrophenol	ND		0.404	1	01/03/2024 04:54	WG2198815
Pentachlorophenol	ND		0.404	1	01/03/2024 04:54	WG2198815
Phenol	ND		0.404	1	01/03/2024 04:54	WG2198815
2,4,6-Trichlorophenol	ND		0.404	1	01/03/2024 04:54	WG2198815
(S) 2-Fluorophenol	53.8		12.0-120		01/03/2024 04:54	WG2198815
(S) Phenol-d5	51.7		10.0-120		01/03/2024 04:54	WG2198815
(S) Nitrobenzene-d5	45.6		10.0-122		01/03/2024 04:54	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	48.6		15.0-120		01/03/2024 04:54	WG2198815
(S) 2,4,6-Tribromophenol	49.1		10.0-127		01/03/2024 04:54	WG2198815
(S) p-Terphenyl-d14	54.1		10.0-120		01/03/2024 04:54	WG2198815

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	82.1		1	01/02/2024 08:38	WG2199120

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.22	1	01/04/2024 11:49	WG2199071

Mercury by Method 7471B

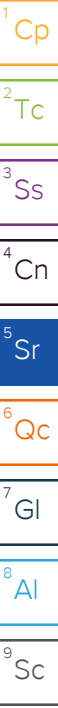
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	ND		0.0487	1	01/02/2024 09:08	WG2198766

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND	J4	3.65	5	01/21/2024 20:27	WG2198867
Arsenic	ND		1.22	5	01/21/2024 20:27	WG2198867
Barium	39.2		3.04	5	01/21/2024 20:27	WG2198867
Beryllium	ND	J4	3.04	5	01/21/2024 20:27	WG2198867
Cadmium	ND		1.22	5	01/21/2024 20:27	WG2198867
Chromium	15.5		6.09	5	01/21/2024 20:27	WG2198867
Cobalt	6.24		1.22	5	01/21/2024 20:27	WG2198867
Copper	10.0		6.09	5	01/21/2024 20:27	WG2198867
Lead	16.7		2.44	5	01/21/2024 20:27	WG2198867
Manganese	261		12.2	20	01/22/2024 15:57	WG2198867
Nickel	9.61		3.04	5	01/21/2024 20:27	WG2198867
Selenium	ND		3.04	5	01/21/2024 20:27	WG2198867
Silver	ND		0.609	5	01/21/2024 20:27	WG2198867
Thallium	ND		2.44	5	01/21/2024 20:27	WG2198867
Vanadium	19.0		3.04	5	01/21/2024 20:27	WG2198867
Zinc	36.5	B	30.4	5	01/22/2024 15:53	WG2198867

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND	J4	0.0720	1	01/04/2024 08:41	WG2200463
Acrylonitrile	ND		0.0180	1	01/04/2024 08:41	WG2200463
Benzene	ND		0.00144	1	01/04/2024 08:41	WG2200463
Bromobenzene	ND		0.0180	1	01/04/2024 08:41	WG2200463
Bromodichloromethane	ND		0.00360	1	01/04/2024 08:41	WG2200463
Bromoform	ND		0.0360	1	01/04/2024 08:41	WG2200463
Bromomethane	ND		0.0180	1	01/04/2024 08:41	WG2200463
n-Butylbenzene	ND	C3	0.0180	1	01/04/2024 08:41	WG2200463
sec-Butylbenzene	ND		0.0180	1	01/05/2024 21:38	WG2201583
tert-Butylbenzene	ND		0.00720	1	01/05/2024 21:38	WG2201583
Carbon tetrachloride	ND		0.00720	1	01/04/2024 08:41	WG2200463
Chlorobenzene	ND		0.00360	1	01/04/2024 08:41	WG2200463
Chlorodibromomethane	ND		0.00360	1	01/04/2024 08:41	WG2200463
Chloroethane	ND		0.00720	1	01/04/2024 08:41	WG2200463
Chloroform	ND		0.00360	1	01/04/2024 08:41	WG2200463
Chloromethane	ND		0.0180	1	01/04/2024 08:41	WG2200463
2-Chlorotoluene	ND		0.00360	1	01/04/2024 08:41	WG2200463
4-Chlorotoluene	ND		0.00720	1	01/04/2024 08:41	WG2200463
1,2-Dibromo-3-Chloropropane	ND		0.0360	1	01/04/2024 08:41	WG2200463



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00360	1	01/04/2024 08:41	WG2200463
Dibromomethane	ND		0.00720	1	01/04/2024 08:41	WG2200463
1,2-Dichlorobenzene	ND		0.00720	1	01/04/2024 08:41	WG2200463
1,3-Dichlorobenzene	ND		0.00720	1	01/04/2024 08:41	WG2200463
1,4-Dichlorobenzene	ND		0.00720	1	01/04/2024 08:41	WG2200463
Dichlorodifluoromethane	ND		0.00720	1	01/04/2024 08:41	WG2200463
1,1-Dichloroethane	ND		0.00360	1	01/04/2024 08:41	WG2200463
1,2-Dichloroethane	ND		0.00360	1	01/04/2024 08:41	WG2200463
1,1-Dichloroethene	ND		0.00360	1	01/04/2024 08:41	WG2200463
cis-1,2-Dichloroethene	ND		0.00360	1	01/04/2024 08:41	WG2200463
trans-1,2-Dichloroethene	ND		0.00720	1	01/04/2024 08:41	WG2200463
1,2-Dichloropropane	ND		0.00720	1	01/04/2024 08:41	WG2200463
1,1-Dichloropropene	ND		0.00360	1	01/04/2024 08:41	WG2200463
1,3-Dichloropropane	ND		0.00720	1	01/04/2024 08:41	WG2200463
cis-1,3-Dichloropropene	ND		0.00360	1	01/04/2024 08:41	WG2200463
trans-1,3-Dichloropropene	ND		0.00720	1	01/04/2024 08:41	WG2200463
2,2-Dichloropropane	ND		0.00360	1	01/04/2024 08:41	WG2200463
Di-isopropyl ether	ND		0.00144	1	01/04/2024 08:41	WG2200463
Ethylbenzene	ND		0.00360	1	01/04/2024 08:41	WG2200463
Hexachloro-1,3-butadiene	ND		0.0360	1	01/04/2024 08:41	WG2200463
Isopropylbenzene	ND		0.00360	1	01/04/2024 08:41	WG2200463
p-Isopropyltoluene	ND		0.00720	1	01/05/2024 21:38	WG2201583
2-Butanone (MEK)	ND		0.144	1	01/04/2024 08:41	WG2200463
Methylene Chloride	ND		0.0360	1	01/04/2024 08:41	WG2200463
4-Methyl-2-pentanone (MIBK)	ND		0.0360	1	01/04/2024 08:41	WG2200463
Methyl tert-butyl ether	ND		0.00144	1	01/04/2024 08:41	WG2200463
Naphthalene	ND	C3	0.0180	1	01/04/2024 08:41	WG2200463
n-Propylbenzene	ND		0.00720	1	01/04/2024 08:41	WG2200463
Styrene	ND		0.0180	1	01/04/2024 08:41	WG2200463
1,1,1,2-Tetrachloroethane	ND		0.00360	1	01/04/2024 08:41	WG2200463
1,1,2,2-Tetrachloroethane	ND		0.00360	1	01/04/2024 08:41	WG2200463
Tetrachloroethene	ND		0.00360	1	01/04/2024 08:41	WG2200463
Toluene	ND		0.00720	1	01/04/2024 08:41	WG2200463
1,2,3-Trichlorobenzene	ND		0.0180	1	01/04/2024 08:41	WG2200463
1,2,4-Trichlorobenzene	ND		0.0180	1	01/04/2024 08:41	WG2200463
1,1,1-Trichloroethane	ND		0.00360	1	01/04/2024 08:41	WG2200463
1,1,2-Trichloroethane	ND		0.00360	1	01/04/2024 08:41	WG2200463
Trichloroethene	ND		0.00144	1	01/04/2024 08:41	WG2200463
Trichlorofluoromethane	ND		0.00360	1	01/04/2024 08:41	WG2200463
1,2,3-Trichloropropane	ND		0.0180	1	01/04/2024 08:41	WG2200463
1,2,4-Trimethylbenzene	ND	C3	0.00720	1	01/04/2024 08:41	WG2200463
1,3,5-Trimethylbenzene	ND		0.00720	1	01/05/2024 21:38	WG2201583
Vinyl chloride	ND		0.00360	1	01/04/2024 08:41	WG2200463
Xylenes, Total	ND		0.00936	1	01/04/2024 08:41	WG2200463
(S) Toluene-d8	108		75.0-131		01/04/2024 08:41	WG2200463
(S) Toluene-d8	102		75.0-131		01/05/2024 21:38	WG2201583
(S) 4-Bromofluorobenzene	93.4		67.0-138		01/04/2024 08:41	WG2200463
(S) 4-Bromofluorobenzene	101		67.0-138		01/05/2024 21:38	WG2201583
(S) 1,2-Dichloroethane-d4	97.6		70.0-130		01/04/2024 08:41	WG2200463
(S) 1,2-Dichloroethane-d4	88.3		70.0-130		01/05/2024 21:38	WG2201583

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0406	1	01/03/2024 05:54	WG2198815
Acenaphthylene	ND		0.0406	1	01/03/2024 05:54	WG2198815
Anthracene	ND		0.0406	1	01/03/2024 05:54	WG2198815
Benzidine	ND		2.03	1	01/03/2024 05:54	WG2198815
Benzo(a)anthracene	0.151		0.0406	1	01/03/2024 05:54	WG2198815
Benzo(b)fluoranthene	0.273		0.0406	1	01/03/2024 05:54	WG2198815
Benzo(k)fluoranthene	0.0938		0.0406	1	01/03/2024 05:54	WG2198815
Benzo(g,h,i)perylene	0.0748		0.0406	1	01/03/2024 05:54	WG2198815
Benzo(a)pyrene	0.168		0.0406	1	01/03/2024 05:54	WG2198815
Bis(2-chloroethoxy)methane	ND		0.406	1	01/03/2024 05:54	WG2198815
Bis(2-chloroethyl)ether	ND		0.406	1	01/03/2024 05:54	WG2198815
2,2-Oxybis(1-Chloropropane)	ND		0.406	1	01/03/2024 05:54	WG2198815
4-Bromophenyl-phenylether	ND		0.406	1	01/03/2024 05:54	WG2198815
2-Chloronaphthalene	ND		0.0406	1	01/03/2024 05:54	WG2198815
4-Chlorophenyl-phenylether	ND		0.406	1	01/03/2024 05:54	WG2198815
Chrysene	0.151		0.0406	1	01/03/2024 05:54	WG2198815
Dibenz(a,h)anthracene	ND		0.0406	1	01/03/2024 05:54	WG2198815
3,3-Dichlorobenzidine	ND		0.406	1	01/03/2024 05:54	WG2198815
2,4-Dinitrotoluene	ND		0.406	1	01/03/2024 05:54	WG2198815
2,6-Dinitrotoluene	ND		0.406	1	01/03/2024 05:54	WG2198815
Fluoranthene	0.373		0.0406	1	01/03/2024 05:54	WG2198815
Fluorene	ND		0.0406	1	01/03/2024 05:54	WG2198815
Hexachlorobenzene	ND		0.406	1	01/03/2024 05:54	WG2198815
Hexachloro-1,3-butadiene	ND		0.406	1	01/03/2024 05:54	WG2198815
Hexachlorocyclopentadiene	ND		0.406	1	01/03/2024 05:54	WG2198815
Hexachloroethane	ND		0.406	1	01/03/2024 05:54	WG2198815
Indeno(1,2,3-cd)pyrene	0.0883		0.0406	1	01/03/2024 05:54	WG2198815
Isophorone	ND		0.406	1	01/03/2024 05:54	WG2198815
Naphthalene	ND		0.0406	1	01/03/2024 05:54	WG2198815
Nitrobenzene	ND		0.406	1	01/03/2024 05:54	WG2198815
n-Nitrosodimethylamine	ND		0.406	1	01/03/2024 05:54	WG2198815
n-Nitrosodiphenylamine	ND		0.406	1	01/03/2024 05:54	WG2198815
n-Nitrosodi-n-propylamine	ND		0.406	1	01/03/2024 05:54	WG2198815
Phenanthrene	0.185		0.0406	1	01/03/2024 05:54	WG2198815
Benzylbutyl phthalate	ND		0.406	1	01/03/2024 05:54	WG2198815
Bis(2-ethylhexyl)phthalate	ND		0.406	1	01/03/2024 05:54	WG2198815
Di-n-butyl phthalate	ND		0.406	1	01/03/2024 05:54	WG2198815
Diethyl phthalate	ND		0.406	1	01/03/2024 05:54	WG2198815
Dimethyl phthalate	ND		0.406	1	01/03/2024 05:54	WG2198815
Di-n-octyl phthalate	ND		0.406	1	01/03/2024 05:54	WG2198815
Pyrene	0.300		0.0406	1	01/03/2024 05:54	WG2198815
1,2,4-Trichlorobenzene	ND		0.406	1	01/03/2024 05:54	WG2198815
4-Chloro-3-methylphenol	ND		0.406	1	01/03/2024 05:54	WG2198815
2-Chlorophenol	ND		0.406	1	01/03/2024 05:54	WG2198815
2,4-Dichlorophenol	ND		0.406	1	01/03/2024 05:54	WG2198815
2,4-Dimethylphenol	ND		0.406	1	01/03/2024 05:54	WG2198815
4,6-Dinitro-2-methylphenol	ND		0.406	1	01/03/2024 05:54	WG2198815
2,4-Dinitrophenol	ND		0.406	1	01/03/2024 05:54	WG2198815
2-Nitrophenol	ND		0.406	1	01/03/2024 05:54	WG2198815
4-Nitrophenol	ND		0.406	1	01/03/2024 05:54	WG2198815
Pentachlorophenol	ND		0.406	1	01/03/2024 05:54	WG2198815
Phenol	ND		0.406	1	01/03/2024 05:54	WG2198815
2,4,6-Trichlorophenol	ND		0.406	1	01/03/2024 05:54	WG2198815
(S) 2-Fluorophenol	58.8		12.0-120		01/03/2024 05:54	WG2198815
(S) Phenol-d5	55.6		10.0-120		01/03/2024 05:54	WG2198815
(S) Nitrobenzene-d5	48.2		10.0-122		01/03/2024 05:54	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	53.0		15.0-120		01/03/2024 05:54	WG2198815
(S) 2,4,6-Tribromophenol	57.0		10.0-127		01/03/2024 05:54	WG2198815
(S) p-Terphenyl-d14	58.2		10.0-120		01/03/2024 05:54	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.5		1	01/02/2024 09:29	WG2199122

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.17	1	01/04/2024 12:20	WG2199071

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0954		0.0468	1	01/02/2024 09:11	WG2198766

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	J4	3.51	5	01/21/2024 20:31	WG2198867
Arsenic	1.88		1.17	5	01/21/2024 20:31	WG2198867
Barium	88.5		2.93	5	01/21/2024 20:31	WG2198867
Beryllium	ND	J4	2.93	5	01/21/2024 20:31	WG2198867
Cadmium	ND		1.17	5	01/21/2024 20:31	WG2198867
Chromium	19.2		5.85	5	01/21/2024 20:31	WG2198867
Cobalt	6.35		1.17	5	01/21/2024 20:31	WG2198867
Copper	47.2		5.85	5	01/21/2024 20:31	WG2198867
Lead	114		2.34	5	01/21/2024 20:31	WG2198867
Manganese	330		11.7	20	01/22/2024 16:03	WG2198867
Nickel	10.9		2.93	5	01/21/2024 20:31	WG2198867
Selenium	ND		2.93	5	01/21/2024 20:31	WG2198867
Silver	ND		0.585	5	01/21/2024 20:31	WG2198867
Thallium	ND		2.34	5	01/21/2024 20:31	WG2198867
Vanadium	21.9		2.93	5	01/21/2024 20:31	WG2198867
Zinc	94.4	B	29.3	5	01/22/2024 16:00	WG2198867

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	J4	0.0764	1.16	01/04/2024 09:01	WG2200463
Acrylonitrile	ND		0.0191	1.16	01/04/2024 09:01	WG2200463
Benzene	0.00161		0.00153	1.16	01/04/2024 09:01	WG2200463
Bromobenzene	ND		0.0191	1.16	01/04/2024 09:01	WG2200463
Bromodichloromethane	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
Bromoform	ND		0.0382	1.16	01/04/2024 09:01	WG2200463
Bromomethane	ND		0.0191	1.16	01/04/2024 09:01	WG2200463
n-Butylbenzene	ND	C3	0.0191	1.16	01/04/2024 09:01	WG2200463
sec-Butylbenzene	ND		0.0191	1.16	01/05/2024 21:58	WG2201583
tert-Butylbenzene	ND		0.00764	1.16	01/05/2024 21:58	WG2201583
Carbon tetrachloride	ND		0.00764	1.16	01/04/2024 09:01	WG2200463
Chlorobenzene	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
Chlorodibromomethane	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
Chloroethane	ND		0.00764	1.16	01/04/2024 09:01	WG2200463
Chloroform	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
Chloromethane	ND		0.0191	1.16	01/04/2024 09:01	WG2200463
2-Chlorotoluene	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
4-Chlorotoluene	ND		0.00764	1.16	01/04/2024 09:01	WG2200463
1,2-Dibromo-3-Chloropropane	ND		0.0382	1.16	01/04/2024 09:01	WG2200463

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
Dibromomethane	ND		0.00764	1.16	01/04/2024 09:01	WG2200463
1,2-Dichlorobenzene	ND		0.00764	1.16	01/04/2024 09:01	WG2200463
1,3-Dichlorobenzene	ND		0.00764	1.16	01/04/2024 09:01	WG2200463
1,4-Dichlorobenzene	ND		0.00764	1.16	01/04/2024 09:01	WG2200463
Dichlorodifluoromethane	ND		0.00764	1.16	01/04/2024 09:01	WG2200463
1,1-Dichloroethane	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
1,2-Dichloroethane	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
1,1-Dichloroethene	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
cis-1,2-Dichloroethene	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
trans-1,2-Dichloroethene	ND		0.00764	1.16	01/04/2024 09:01	WG2200463
1,2-Dichloropropane	ND		0.00764	1.16	01/04/2024 09:01	WG2200463
1,1-Dichloropropene	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
1,3-Dichloropropane	ND		0.00764	1.16	01/04/2024 09:01	WG2200463
cis-1,3-Dichloropropene	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
trans-1,3-Dichloropropene	ND		0.00764	1.16	01/04/2024 09:01	WG2200463
2,2-Dichloropropane	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
Di-isopropyl ether	ND		0.00153	1.16	01/04/2024 09:01	WG2200463
Ethylbenzene	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
Hexachloro-1,3-butadiene	ND		0.0382	1.16	01/04/2024 09:01	WG2200463
Isopropylbenzene	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
p-Isopropyltoluene	ND		0.00764	1.16	01/05/2024 21:58	WG2201583
2-Butanone (MEK)	ND		0.153	1.16	01/04/2024 09:01	WG2200463
Methylene Chloride	ND		0.0382	1.16	01/04/2024 09:01	WG2200463
4-Methyl-2-pentanone (MIBK)	ND		0.0382	1.16	01/04/2024 09:01	WG2200463
Methyl tert-butyl ether	ND		0.00153	1.16	01/04/2024 09:01	WG2200463
Naphthalene	0.0252	B C3	0.0191	1.16	01/04/2024 09:01	WG2200463
n-Propylbenzene	ND		0.00764	1.16	01/04/2024 09:01	WG2200463
Styrene	ND		0.0191	1.16	01/04/2024 09:01	WG2200463
1,1,1,2-Tetrachloroethane	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
1,1,2,2-Tetrachloroethane	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
Tetrachloroethene	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
Toluene	0.0109		0.00764	1.16	01/04/2024 09:01	WG2200463
1,2,3-Trichlorobenzene	ND		0.0191	1.16	01/04/2024 09:01	WG2200463
1,2,4-Trichlorobenzene	ND		0.0191	1.16	01/04/2024 09:01	WG2200463
1,1,1-Trichloroethane	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
1,1,2-Trichloroethane	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
Trichloroethene	ND		0.00153	1.16	01/04/2024 09:01	WG2200463
Trichlorofluoromethane	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
1,2,3-Trichloropropane	ND		0.0191	1.16	01/04/2024 09:01	WG2200463
1,2,4-Trimethylbenzene	0.00810		0.00764	1.16	01/05/2024 21:58	WG2201583
1,3,5-Trimethylbenzene	ND		0.00764	1.16	01/05/2024 21:58	WG2201583
Vinyl chloride	ND		0.00382	1.16	01/04/2024 09:01	WG2200463
Xylenes, Total	0.0187		0.00993	1.16	01/04/2024 09:01	WG2200463
(S) Toluene-d8	108		75.0-131		01/04/2024 09:01	WG2200463
(S) Toluene-d8	101		75.0-131		01/05/2024 21:58	WG2201583
(S) 4-Bromofluorobenzene	95.2		67.0-138		01/04/2024 09:01	WG2200463
(S) 4-Bromofluorobenzene	103		67.0-138		01/05/2024 21:58	WG2201583
(S) 1,2-Dichloroethane-d4	93.8		70.0-130		01/04/2024 09:01	WG2200463
(S) 1,2-Dichloroethane-d4	88.1		70.0-130		01/05/2024 21:58	WG2201583

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0390	1	01/03/2024 05:34	WG2198815
Acenaphthylene	ND		0.0390	1	01/03/2024 05:34	WG2198815
Anthracene	ND		0.0390	1	01/03/2024 05:34	WG2198815
Benzidine	ND		1.95	1	01/03/2024 05:34	WG2198815
Benzo(a)anthracene	0.185		0.0390	1	01/03/2024 05:34	WG2198815
Benzo(b)fluoranthene	0.259		0.0390	1	01/03/2024 05:34	WG2198815
Benzo(k)fluoranthene	0.0900		0.0390	1	01/03/2024 05:34	WG2198815
Benzo(g,h,i)perylene	0.0742		0.0390	1	01/03/2024 05:34	WG2198815
Benzo(a)pyrene	0.179		0.0390	1	01/03/2024 05:34	WG2198815
Bis(2-chloroethoxy)methane	ND		0.390	1	01/03/2024 05:34	WG2198815
Bis(2-chloroethyl)ether	ND		0.390	1	01/03/2024 05:34	WG2198815
2,2-Oxybis(1-Chloropropane)	ND		0.390	1	01/03/2024 05:34	WG2198815
4-Bromophenyl-phenylether	ND		0.390	1	01/03/2024 05:34	WG2198815
2-Chloronaphthalene	ND		0.0390	1	01/03/2024 05:34	WG2198815
4-Chlorophenyl-phenylether	ND		0.390	1	01/03/2024 05:34	WG2198815
Chrysene	0.157		0.0390	1	01/03/2024 05:34	WG2198815
Dibenz(a,h)anthracene	ND		0.0390	1	01/03/2024 05:34	WG2198815
3,3-Dichlorobenzidine	ND		0.390	1	01/03/2024 05:34	WG2198815
2,4-Dinitrotoluene	ND		0.390	1	01/03/2024 05:34	WG2198815
2,6-Dinitrotoluene	ND		0.390	1	01/03/2024 05:34	WG2198815
Fluoranthene	0.325		0.0390	1	01/03/2024 05:34	WG2198815
Fluorene	ND		0.0390	1	01/03/2024 05:34	WG2198815
Hexachlorobenzene	ND		0.390	1	01/03/2024 05:34	WG2198815
Hexachloro-1,3-butadiene	ND		0.390	1	01/03/2024 05:34	WG2198815
Hexachlorocyclopentadiene	ND		0.390	1	01/03/2024 05:34	WG2198815
Hexachloroethane	ND		0.390	1	01/03/2024 05:34	WG2198815
Indeno(1,2,3-cd)pyrene	0.0847		0.0390	1	01/03/2024 05:34	WG2198815
Isophorone	ND		0.390	1	01/03/2024 05:34	WG2198815
Naphthalene	0.0538		0.0390	1	01/03/2024 05:34	WG2198815
Nitrobenzene	ND		0.390	1	01/03/2024 05:34	WG2198815
n-Nitrosodimethylamine	ND		0.390	1	01/03/2024 05:34	WG2198815
n-Nitrosodiphenylamine	ND		0.390	1	01/03/2024 05:34	WG2198815
n-Nitrosodi-n-propylamine	ND		0.390	1	01/03/2024 05:34	WG2198815
Phenanthrene	0.150		0.0390	1	01/03/2024 05:34	WG2198815
Benzylbutyl phthalate	ND		0.390	1	01/03/2024 05:34	WG2198815
Bis(2-ethylhexyl)phthalate	ND		0.390	1	01/03/2024 05:34	WG2198815
Di-n-butyl phthalate	ND		0.390	1	01/03/2024 05:34	WG2198815
Diethyl phthalate	ND		0.390	1	01/03/2024 05:34	WG2198815
Dimethyl phthalate	ND		0.390	1	01/03/2024 05:34	WG2198815
Di-n-octyl phthalate	ND		0.390	1	01/03/2024 05:34	WG2198815
Pyrene	0.286		0.0390	1	01/03/2024 05:34	WG2198815
1,2,4-Trichlorobenzene	ND		0.390	1	01/03/2024 05:34	WG2198815
4-Chloro-3-methylphenol	ND		0.390	1	01/03/2024 05:34	WG2198815
2-Chlorophenol	ND		0.390	1	01/03/2024 05:34	WG2198815
2,4-Dichlorophenol	ND		0.390	1	01/03/2024 05:34	WG2198815
2,4-Dimethylphenol	ND		0.390	1	01/03/2024 05:34	WG2198815
4,6-Dinitro-2-methylphenol	ND		0.390	1	01/03/2024 05:34	WG2198815
2,4-Dinitrophenol	ND		0.390	1	01/03/2024 05:34	WG2198815
2-Nitrophenol	ND		0.390	1	01/03/2024 05:34	WG2198815
4-Nitrophenol	ND		0.390	1	01/03/2024 05:34	WG2198815
Pentachlorophenol	ND		0.390	1	01/03/2024 05:34	WG2198815
Phenol	ND		0.390	1	01/03/2024 05:34	WG2198815
2,4,6-Trichlorophenol	ND		0.390	1	01/03/2024 05:34	WG2198815
(S) 2-Fluorophenol	56.5		12.0-120		01/03/2024 05:34	WG2198815
(S) Phenol-d5	55.3		10.0-120		01/03/2024 05:34	WG2198815
(S) Nitrobenzene-d5	46.1		10.0-122		01/03/2024 05:34	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	51.8		15.0-120		01/03/2024 05:34	WG2198815
(S) 2,4,6-Tribromophenol	57.7		10.0-127		01/03/2024 05:34	WG2198815
(S) p-Terphenyl-d14	60.2		10.0-120		01/03/2024 05:34	WG2198815

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.7		1	01/02/2024 09:29	WG2199122

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.18	1	01/04/2024 12:39	WG2199071

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.594		0.0472	1	01/02/2024 09:13	WG2198766

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	J4	3.54	5	01/21/2024 20:34	WG2198867
Arsenic	2.32		1.18	5	01/21/2024 20:34	WG2198867
Barium	114		14.8	25	01/22/2024 16:10	WG2198867
Beryllium	ND	J4	2.95	5	01/21/2024 20:34	WG2198867
Cadmium	ND		1.18	5	01/21/2024 20:34	WG2198867
Chromium	21.8		5.90	5	01/21/2024 20:34	WG2198867
Cobalt	8.74		1.18	5	01/21/2024 20:34	WG2198867
Copper	57.9		5.90	5	01/21/2024 20:34	WG2198867
Lead	111		2.36	5	01/22/2024 16:07	WG2198867
Manganese	481		14.8	25	01/22/2024 16:10	WG2198867
Nickel	16.1		2.95	5	01/21/2024 20:34	WG2198867
Selenium	ND		2.95	5	01/21/2024 20:34	WG2198867
Silver	0.953		0.590	5	01/22/2024 16:07	WG2198867
Thallium	ND		2.36	5	01/21/2024 20:34	WG2198867
Vanadium	25.7		2.95	5	01/21/2024 20:34	WG2198867
Zinc	ND		148	25	01/22/2024 16:10	WG2198867

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0769	1.15	01/04/2024 07:18	WG2200492
Acrylonitrile	ND		0.0193	1.15	01/04/2024 07:18	WG2200492
Benzene	ND		0.00154	1.15	01/04/2024 07:18	WG2200492
Bromobenzene	ND		0.0193	1.15	01/04/2024 07:18	WG2200492
Bromodichloromethane	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
Bromoform	ND		0.0385	1.15	01/04/2024 07:18	WG2200492
Bromomethane	ND		0.0193	1.15	01/04/2024 07:18	WG2200492
n-Butylbenzene	ND		0.0193	1.15	01/04/2024 07:18	WG2200492
sec-Butylbenzene	ND		0.0193	1.15	01/04/2024 07:18	WG2200492
tert-Butylbenzene	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
Carbon tetrachloride	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
Chlorobenzene	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
Chlorodibromomethane	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
Chloroethane	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
Chloroform	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
Chloromethane	ND		0.0193	1.15	01/04/2024 07:18	WG2200492
2-Chlorotoluene	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
4-Chlorotoluene	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
1,2-Dibromo-3-Chloropropane	ND		0.0385	1.15	01/04/2024 07:18	WG2200492

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
Dibromomethane	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
1,2-Dichlorobenzene	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
1,3-Dichlorobenzene	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
1,4-Dichlorobenzene	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
Dichlorodifluoromethane	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
1,1-Dichloroethane	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
1,2-Dichloroethane	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
1,1-Dichloroethene	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
cis-1,2-Dichloroethene	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
trans-1,2-Dichloroethene	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
1,2-Dichloropropane	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
1,1-Dichloropropene	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
1,3-Dichloropropane	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
cis-1,3-Dichloropropene	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
trans-1,3-Dichloropropene	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
2,2-Dichloropropane	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
Di-isopropyl ether	ND		0.00154	1.15	01/04/2024 07:18	WG2200492
Ethylbenzene	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
Hexachloro-1,3-butadiene	ND		0.0385	1.15	01/04/2024 07:18	WG2200492
Isopropylbenzene	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
p-Isopropyltoluene	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
2-Butanone (MEK)	ND		0.154	1.15	01/04/2024 07:18	WG2200492
Methylene Chloride	ND		0.0385	1.15	01/04/2024 07:18	WG2200492
4-Methyl-2-pentanone (MIBK)	ND		0.0385	1.15	01/04/2024 07:18	WG2200492
Methyl tert-butyl ether	ND		0.00154	1.15	01/04/2024 07:18	WG2200492
Naphthalene	ND		0.0193	1.15	01/04/2024 07:18	WG2200492
n-Propylbenzene	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
Styrene	ND		0.0193	1.15	01/04/2024 07:18	WG2200492
1,1,1,2-Tetrachloroethane	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
1,1,2,2-Tetrachloroethane	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
Tetrachloroethene	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
Toluene	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
1,2,3-Trichlorobenzene	ND		0.0193	1.15	01/04/2024 07:18	WG2200492
1,2,4-Trichlorobenzene	ND		0.0193	1.15	01/04/2024 07:18	WG2200492
1,1,1-Trichloroethane	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
1,1,2-Trichloroethane	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
Trichloroethene	ND		0.00154	1.15	01/04/2024 07:18	WG2200492
Trichlorofluoromethane	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
1,2,3-Trichloropropane	ND		0.0193	1.15	01/04/2024 07:18	WG2200492
1,2,4-Trimethylbenzene	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
1,3,5-Trimethylbenzene	ND		0.00769	1.15	01/04/2024 07:18	WG2200492
Vinyl chloride	ND		0.00385	1.15	01/04/2024 07:18	WG2200492
Xylenes, Total	ND		0.0100	1.15	01/04/2024 07:18	WG2200492
(S) Toluene-d8	103		75.0-131		01/04/2024 07:18	WG2200492
(S) 4-Bromofluorobenzene	102		67.0-138		01/04/2024 07:18	WG2200492
(S) 1,2-Dichloroethane-d4	112		70.0-130		01/04/2024 07:18	WG2200492

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0393	1	01/03/2024 07:15	WG2198815
Acenaphthylene	ND		0.0393	1	01/03/2024 07:15	WG2198815
Anthracene	ND		0.0393	1	01/03/2024 07:15	WG2198815
Benzidine	ND		1.97	1	01/03/2024 07:15	WG2198815
Benzo(a)anthracene	0.0397		0.0393	1	01/03/2024 07:15	WG2198815

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0726		0.0393	1	01/03/2024 07:15	WG2198815
Benzo(k)fluoranthene	ND		0.0393	1	01/03/2024 07:15	WG2198815
Benzo(g,h,i)perylene	ND		0.0393	1	01/03/2024 07:15	WG2198815
Benzo(a)pyrene	0.0427		0.0393	1	01/03/2024 07:15	WG2198815
Bis(2-chloroethoxy)methane	ND		0.393	1	01/03/2024 07:15	WG2198815
Bis(2-chloroethyl)ether	ND		0.393	1	01/03/2024 07:15	WG2198815
2,2-Oxybis(1-Chloropropane)	ND		0.393	1	01/03/2024 07:15	WG2198815
4-Bromophenyl-phenylether	ND		0.393	1	01/03/2024 07:15	WG2198815
2-Chloronaphthalene	ND		0.0393	1	01/03/2024 07:15	WG2198815
4-Chlorophenyl-phenylether	ND		0.393	1	01/03/2024 07:15	WG2198815
Chrysene	ND		0.0393	1	01/03/2024 07:15	WG2198815
Dibenz(a,h)anthracene	ND		0.0393	1	01/03/2024 07:15	WG2198815
3,3-Dichlorobenzidine	ND		0.393	1	01/03/2024 07:15	WG2198815
2,4-Dinitrotoluene	ND		0.393	1	01/03/2024 07:15	WG2198815
2,6-Dinitrotoluene	ND		0.393	1	01/03/2024 07:15	WG2198815
Fluoranthene	0.0750		0.0393	1	01/03/2024 07:15	WG2198815
Fluorene	ND		0.0393	1	01/03/2024 07:15	WG2198815
Hexachlorobenzene	ND		0.393	1	01/03/2024 07:15	WG2198815
Hexachloro-1,3-butadiene	ND		0.393	1	01/03/2024 07:15	WG2198815
Hexachlorocyclopentadiene	ND		0.393	1	01/03/2024 07:15	WG2198815
Hexachloroethane	ND		0.393	1	01/03/2024 07:15	WG2198815
Indeno(1,2,3-cd)pyrene	ND		0.0393	1	01/03/2024 07:15	WG2198815
Isophorone	ND		0.393	1	01/03/2024 07:15	WG2198815
Naphthalene	0.0584		0.0393	1	01/03/2024 07:15	WG2198815
Nitrobenzene	ND		0.393	1	01/03/2024 07:15	WG2198815
n-Nitrosodimethylamine	ND		0.393	1	01/03/2024 07:15	WG2198815
n-Nitrosodiphenylamine	ND		0.393	1	01/03/2024 07:15	WG2198815
n-Nitrosodi-n-propylamine	ND		0.393	1	01/03/2024 07:15	WG2198815
Phenanthrene	0.0473		0.0393	1	01/03/2024 07:15	WG2198815
Benzylbutyl phthalate	ND		0.393	1	01/03/2024 07:15	WG2198815
Bis(2-ethylhexyl)phthalate	ND		0.393	1	01/03/2024 07:15	WG2198815
Di-n-butyl phthalate	ND		0.393	1	01/03/2024 07:15	WG2198815
Diethyl phthalate	ND		0.393	1	01/03/2024 07:15	WG2198815
Dimethyl phthalate	ND		0.393	1	01/03/2024 07:15	WG2198815
Di-n-octyl phthalate	ND		0.393	1	01/03/2024 07:15	WG2198815
Pyrene	0.0714		0.0393	1	01/03/2024 07:15	WG2198815
1,2,4-Trichlorobenzene	ND		0.393	1	01/03/2024 07:15	WG2198815
4-Chloro-3-methylphenol	ND		0.393	1	01/03/2024 07:15	WG2198815
2-Chlorophenol	ND		0.393	1	01/03/2024 07:15	WG2198815
2,4-Dichlorophenol	ND		0.393	1	01/03/2024 07:15	WG2198815
2,4-Dimethylphenol	ND		0.393	1	01/03/2024 07:15	WG2198815
4,6-Dinitro-2-methylphenol	ND		0.393	1	01/03/2024 07:15	WG2198815
2,4-Dinitrophenol	ND		0.393	1	01/03/2024 07:15	WG2198815
2-Nitrophenol	ND		0.393	1	01/03/2024 07:15	WG2198815
4-Nitrophenol	ND		0.393	1	01/03/2024 07:15	WG2198815
Pentachlorophenol	ND		0.393	1	01/03/2024 07:15	WG2198815
Phenol	ND		0.393	1	01/03/2024 07:15	WG2198815
2,4,6-Trichlorophenol	ND		0.393	1	01/03/2024 07:15	WG2198815
(S) 2-Fluorophenol	47.1		12.0-120		01/03/2024 07:15	WG2198815
(S) Phenol-d5	46.0		10.0-120		01/03/2024 07:15	WG2198815
(S) Nitrobenzene-d5	39.6		10.0-122		01/03/2024 07:15	WG2198815
(S) 2-Fluorobiphenyl	42.9		15.0-120		01/03/2024 07:15	WG2198815
(S) 2,4,6-Tribromophenol	46.5		10.0-127		01/03/2024 07:15	WG2198815
(S) p-Terphenyl-d14	48.5		10.0-120		01/03/2024 07:15	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.5		1	01/02/2024 09:29	WG2199122

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.31	1	01/05/2024 08:38	WG2199383

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.773		0.0523	1	01/02/2024 09:16	WG2198766

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	8.54		3.92	5	01/24/2024 14:39	WG2210623
Arsenic	14.3		1.31	5	01/21/2024 20:37	WG2198867
Barium	675		65.3	100	01/22/2024 16:16	WG2198867
Beryllium	ND	J4	3.27	5	01/21/2024 20:37	WG2198867
Cadmium	3.98		1.31	5	01/21/2024 20:37	WG2198867
Chromium	54.1		6.53	5	01/21/2024 20:37	WG2198867
Cobalt	13.0		1.31	5	01/21/2024 20:37	WG2198867
Copper	457		131	100	01/22/2024 16:16	WG2198867
Lead	1470		52.3	100	01/22/2024 16:16	WG2198867
Manganese	866		65.3	100	01/22/2024 16:16	WG2198867
Nickel	46.0		3.27	5	01/21/2024 20:37	WG2198867
Selenium	ND		3.27	5	01/21/2024 20:37	WG2198867
Silver	2.72		0.653	5	01/22/2024 16:13	WG2198867
Thallium	ND		2.61	5	01/21/2024 20:37	WG2198867
Vanadium	21.8		3.27	5	01/21/2024 20:37	WG2198867
Zinc	1620	B	653	100	01/22/2024 16:16	WG2198867

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0813	1	01/04/2024 07:37	WG2200492
Acrylonitrile	ND		0.0203	1	01/04/2024 07:37	WG2200492
Benzene	ND		0.00163	1	01/04/2024 07:37	WG2200492
Bromobenzene	ND		0.0203	1	01/04/2024 07:37	WG2200492
Bromodichloromethane	ND		0.00407	1	01/04/2024 07:37	WG2200492
Bromoform	ND		0.0407	1	01/04/2024 07:37	WG2200492
Bromomethane	ND		0.0203	1	01/04/2024 07:37	WG2200492
n-Butylbenzene	ND		0.0203	1	01/04/2024 07:37	WG2200492
sec-Butylbenzene	ND		0.0203	1	01/04/2024 07:37	WG2200492
tert-Butylbenzene	ND		0.00813	1	01/04/2024 07:37	WG2200492
Carbon tetrachloride	ND		0.00813	1	01/04/2024 07:37	WG2200492
Chlorobenzene	ND		0.00407	1	01/04/2024 07:37	WG2200492
Chlorodibromomethane	ND		0.00407	1	01/04/2024 07:37	WG2200492
Chloroethane	ND		0.00813	1	01/04/2024 07:37	WG2200492
Chloroform	ND		0.00407	1	01/04/2024 07:37	WG2200492
Chloromethane	ND		0.0203	1	01/04/2024 07:37	WG2200492
2-Chlorotoluene	ND		0.00407	1	01/04/2024 07:37	WG2200492
4-Chlorotoluene	ND		0.00813	1	01/04/2024 07:37	WG2200492
1,2-Dibromo-3-Chloropropane	ND		0.0407	1	01/04/2024 07:37	WG2200492

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00407	1	01/04/2024 07:37	WG2200492
Dibromomethane	ND		0.00813	1	01/04/2024 07:37	WG2200492
1,2-Dichlorobenzene	ND		0.00813	1	01/04/2024 07:37	WG2200492
1,3-Dichlorobenzene	ND		0.00813	1	01/04/2024 07:37	WG2200492
1,4-Dichlorobenzene	ND		0.00813	1	01/04/2024 07:37	WG2200492
Dichlorodifluoromethane	ND		0.00813	1	01/04/2024 07:37	WG2200492
1,1-Dichloroethane	ND		0.00407	1	01/04/2024 07:37	WG2200492
1,2-Dichloroethane	ND		0.00407	1	01/04/2024 07:37	WG2200492
1,1-Dichloroethene	ND		0.00407	1	01/04/2024 07:37	WG2200492
cis-1,2-Dichloroethene	ND		0.00407	1	01/04/2024 07:37	WG2200492
trans-1,2-Dichloroethene	ND		0.00813	1	01/04/2024 07:37	WG2200492
1,2-Dichloropropane	ND		0.00813	1	01/04/2024 07:37	WG2200492
1,1-Dichloropropene	ND		0.00407	1	01/04/2024 07:37	WG2200492
1,3-Dichloropropane	ND		0.00813	1	01/04/2024 07:37	WG2200492
cis-1,3-Dichloropropene	ND		0.00407	1	01/04/2024 07:37	WG2200492
trans-1,3-Dichloropropene	ND		0.00813	1	01/04/2024 07:37	WG2200492
2,2-Dichloropropane	ND		0.00407	1	01/04/2024 07:37	WG2200492
Di-isopropyl ether	ND		0.00163	1	01/04/2024 07:37	WG2200492
Ethylbenzene	ND		0.00407	1	01/04/2024 07:37	WG2200492
Hexachloro-1,3-butadiene	ND		0.0407	1	01/04/2024 07:37	WG2200492
Isopropylbenzene	ND		0.00407	1	01/04/2024 07:37	WG2200492
p-Isopropyltoluene	ND		0.00813	1	01/04/2024 07:37	WG2200492
2-Butanone (MEK)	ND		0.163	1	01/04/2024 07:37	WG2200492
Methylene Chloride	ND		0.0407	1	01/04/2024 07:37	WG2200492
4-Methyl-2-pentanone (MIBK)	ND		0.0407	1	01/04/2024 07:37	WG2200492
Methyl tert-butyl ether	ND		0.00163	1	01/04/2024 07:37	WG2200492
Naphthalene	ND		0.0203	1	01/04/2024 07:37	WG2200492
n-Propylbenzene	ND		0.00813	1	01/04/2024 07:37	WG2200492
Styrene	ND		0.0203	1	01/04/2024 07:37	WG2200492
1,1,1,2-Tetrachloroethane	ND		0.00407	1	01/04/2024 07:37	WG2200492
1,1,2,2-Tetrachloroethane	ND		0.00407	1	01/04/2024 07:37	WG2200492
Tetrachloroethene	ND		0.00407	1	01/04/2024 07:37	WG2200492
Toluene	0.0179		0.00813	1	01/04/2024 07:37	WG2200492
1,2,3-Trichlorobenzene	ND		0.0203	1	01/04/2024 07:37	WG2200492
1,2,4-Trichlorobenzene	ND		0.0203	1	01/04/2024 07:37	WG2200492
1,1,1-Trichloroethane	ND		0.00407	1	01/04/2024 07:37	WG2200492
1,1,2-Trichloroethane	ND		0.00407	1	01/04/2024 07:37	WG2200492
Trichloroethene	ND		0.00163	1	01/04/2024 07:37	WG2200492
Trichlorofluoromethane	ND		0.00407	1	01/04/2024 07:37	WG2200492
1,2,3-Trichloropropane	ND		0.0203	1	01/04/2024 07:37	WG2200492
1,2,4-Trimethylbenzene	ND		0.00813	1	01/04/2024 07:37	WG2200492
1,3,5-Trimethylbenzene	ND		0.00813	1	01/04/2024 07:37	WG2200492
Vinyl chloride	ND		0.00407	1	01/04/2024 07:37	WG2200492
Xylenes, Total	0.0153		0.0106	1	01/04/2024 07:37	WG2200492
(S) Toluene-d8	105		75.0-131		01/04/2024 07:37	WG2200492
(S) 4-Bromofluorobenzene	105		67.0-138		01/04/2024 07:37	WG2200492
(S) 1,2-Dichloroethane-d4	114		70.0-130		01/04/2024 07:37	WG2200492

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0435	1	01/03/2024 01:34	WG2198815
Acenaphthylene	ND		0.0435	1	01/03/2024 01:34	WG2198815
Anthracene	ND		0.0435	1	01/03/2024 01:34	WG2198815
Benzdine	ND	J6	2.18	1	01/03/2024 01:34	WG2198815
Benzo(a)anthracene	0.0656		0.0435	1	01/03/2024 01:34	WG2198815

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0862		0.0435	1	01/03/2024 01:34	WG2198815
Benzo(k)fluoranthene	ND		0.0435	1	01/03/2024 01:34	WG2198815
Benzo(g,h,i)perylene	0.0436		0.0435	1	01/03/2024 01:34	WG2198815
Benzo(a)pyrene	0.0643		0.0435	1	01/03/2024 01:34	WG2198815
Bis(2-chloroethoxy)methane	ND		0.435	1	01/03/2024 01:34	WG2198815
Bis(2-chloroethyl)ether	ND	J3	0.435	1	01/03/2024 01:34	WG2198815
2,2-Oxybis(1-Chloropropane)	ND		0.435	1	01/03/2024 01:34	WG2198815
4-Bromophenyl-phenylether	ND		0.435	1	01/03/2024 01:34	WG2198815
2-Chloronaphthalene	ND		0.0435	1	01/03/2024 01:34	WG2198815
4-Chlorophenyl-phenylether	ND		0.435	1	01/03/2024 01:34	WG2198815
Chrysene	0.0587		0.0435	1	01/03/2024 01:34	WG2198815
Dibenz(a,h)anthracene	ND		0.0435	1	01/03/2024 01:34	WG2198815
3,3-Dichlorobenzidine	ND	J3	0.435	1	01/03/2024 01:34	WG2198815
2,4-Dinitrotoluene	ND		0.435	1	01/03/2024 01:34	WG2198815
2,6-Dinitrotoluene	ND		0.435	1	01/03/2024 01:34	WG2198815
Fluoranthene	0.121		0.0435	1	01/03/2024 01:34	WG2198815
Fluorene	ND		0.0435	1	01/03/2024 01:34	WG2198815
Hexachlorobenzene	ND		0.435	1	01/03/2024 01:34	WG2198815
Hexachloro-1,3-butadiene	ND		0.435	1	01/03/2024 01:34	WG2198815
Hexachlorocyclopentadiene	ND		0.435	1	01/03/2024 01:34	WG2198815
Hexachloroethane	ND		0.435	1	01/03/2024 01:34	WG2198815
Indeno(1,2,3-cd)pyrene	ND		0.0435	1	01/03/2024 01:34	WG2198815
Isophorone	ND		0.435	1	01/03/2024 01:34	WG2198815
Naphthalene	0.128		0.0435	1	01/03/2024 01:34	WG2198815
Nitrobenzene	ND		0.435	1	01/03/2024 01:34	WG2198815
n-Nitrosodimethylamine	ND		0.435	1	01/03/2024 01:34	WG2198815
n-Nitrosodiphenylamine	ND		0.435	1	01/03/2024 01:34	WG2198815
n-Nitrosodi-n-propylamine	ND		0.435	1	01/03/2024 01:34	WG2198815
Phenanthrene	0.0844		0.0435	1	01/03/2024 01:34	WG2198815
Benzylbutyl phthalate	ND		0.435	1	01/03/2024 01:34	WG2198815
Bis(2-ethylhexyl)phthalate	ND		0.435	1	01/03/2024 01:34	WG2198815
Di-n-butyl phthalate	ND		0.435	1	01/03/2024 01:34	WG2198815
Diethyl phthalate	ND		0.435	1	01/03/2024 01:34	WG2198815
Dimethyl phthalate	ND		0.435	1	01/03/2024 01:34	WG2198815
Di-n-octyl phthalate	ND		0.435	1	01/03/2024 01:34	WG2198815
Pyrene	0.103		0.0435	1	01/03/2024 01:34	WG2198815
1,2,4-Trichlorobenzene	ND		0.435	1	01/03/2024 01:34	WG2198815
4-Chloro-3-methylphenol	ND		0.435	1	01/03/2024 01:34	WG2198815
2-Chlorophenol	ND		0.435	1	01/03/2024 01:34	WG2198815
2,4-Dichlorophenol	ND		0.435	1	01/03/2024 01:34	WG2198815
2,4-Dimethylphenol	ND		0.435	1	01/03/2024 01:34	WG2198815
4,6-Dinitro-2-methylphenol	ND		0.435	1	01/03/2024 01:34	WG2198815
2,4-Dinitrophenol	ND		0.435	1	01/03/2024 01:34	WG2198815
2-Nitrophenol	ND		0.435	1	01/03/2024 01:34	WG2198815
4-Nitrophenol	ND		0.435	1	01/03/2024 01:34	WG2198815
Pentachlorophenol	ND		0.435	1	01/03/2024 01:34	WG2198815
Phenol	ND		0.435	1	01/03/2024 01:34	WG2198815
2,4,6-Trichlorophenol	ND		0.435	1	01/03/2024 01:34	WG2198815
(S) 2-Fluorophenol	58.7		12.0-120		01/03/2024 01:34	WG2198815
(S) Phenol-d5	58.4		10.0-120		01/03/2024 01:34	WG2198815
(S) Nitrobenzene-d5	49.7		10.0-122		01/03/2024 01:34	WG2198815
(S) 2-Fluorobiphenyl	53.4		15.0-120		01/03/2024 01:34	WG2198815
(S) 2,4,6-Tribromophenol	52.7		10.0-127		01/03/2024 01:34	WG2198815
(S) p-Terphenyl-d14	60.1		10.0-120		01/03/2024 01:34	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	01/03/2024 14:37	WG2200046
Acrolein	ND	C3 J3	50.0	1	01/03/2024 14:37	WG2200046
Acrylonitrile	ND		10.0	1	01/03/2024 14:37	WG2200046
Benzene	ND		1.00	1	01/03/2024 14:37	WG2200046
Bromobenzene	ND		1.00	1	01/03/2024 14:37	WG2200046
Bromodichloromethane	ND		1.00	1	01/03/2024 14:37	WG2200046
Bromoform	ND		1.00	1	01/03/2024 14:37	WG2200046
Bromomethane	ND		5.00	1	01/03/2024 14:37	WG2200046
n-Butylbenzene	ND		1.00	1	01/03/2024 14:37	WG2200046
sec-Butylbenzene	ND		1.00	1	01/03/2024 14:37	WG2200046
tert-Butylbenzene	ND		1.00	1	01/03/2024 14:37	WG2200046
Carbon tetrachloride	ND		1.00	1	01/03/2024 14:37	WG2200046
Chlorobenzene	ND		1.00	1	01/03/2024 14:37	WG2200046
Chlorodibromomethane	ND		1.00	1	01/03/2024 14:37	WG2200046
Chloroethane	ND		5.00	1	01/03/2024 14:37	WG2200046
Chloroform	ND		5.00	1	01/03/2024 14:37	WG2200046
Chloromethane	ND		2.50	1	01/03/2024 14:37	WG2200046
2-Chlorotoluene	ND		1.00	1	01/03/2024 14:37	WG2200046
4-Chlorotoluene	ND		1.00	1	01/03/2024 14:37	WG2200046
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/03/2024 14:37	WG2200046
1,2-Dibromoethane	ND		1.00	1	01/03/2024 14:37	WG2200046
Dibromomethane	ND		1.00	1	01/03/2024 14:37	WG2200046
1,2-Dichlorobenzene	ND		1.00	1	01/03/2024 14:37	WG2200046
1,3-Dichlorobenzene	ND		1.00	1	01/03/2024 14:37	WG2200046
1,4-Dichlorobenzene	ND		1.00	1	01/03/2024 14:37	WG2200046
Dichlorodifluoromethane	ND		5.00	1	01/03/2024 14:37	WG2200046
1,1-Dichloroethane	ND		1.00	1	01/03/2024 14:37	WG2200046
1,2-Dichloroethane	ND		1.00	1	01/03/2024 14:37	WG2200046
1,1-Dichloroethene	ND		1.00	1	01/03/2024 14:37	WG2200046
cis-1,2-Dichloroethene	ND		1.00	1	01/03/2024 14:37	WG2200046
trans-1,2-Dichloroethene	ND		1.00	1	01/03/2024 14:37	WG2200046
1,2-Dichloropropane	ND		1.00	1	01/03/2024 14:37	WG2200046
1,1-Dichloropropene	ND		1.00	1	01/03/2024 14:37	WG2200046
1,3-Dichloropropane	ND		1.00	1	01/03/2024 14:37	WG2200046
cis-1,3-Dichloropropene	ND		1.00	1	01/03/2024 14:37	WG2200046
trans-1,3-Dichloropropene	ND		1.00	1	01/03/2024 14:37	WG2200046
2,2-Dichloropropane	ND	J4	1.00	1	01/03/2024 14:37	WG2200046
Di-isopropyl ether	ND		1.00	1	01/03/2024 14:37	WG2200046
Ethylbenzene	ND		1.00	1	01/03/2024 14:37	WG2200046
Hexachloro-1,3-butadiene	ND		1.00	1	01/03/2024 14:37	WG2200046
Isopropylbenzene	ND		1.00	1	01/03/2024 14:37	WG2200046
p-Isopropyltoluene	ND		1.00	1	01/03/2024 14:37	WG2200046
2-Butanone (MEK)	ND		10.0	1	01/03/2024 14:37	WG2200046
Methylene Chloride	ND	J4	5.00	1	01/03/2024 14:37	WG2200046
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/03/2024 14:37	WG2200046
Methyl tert-butyl ether	ND		1.00	1	01/03/2024 14:37	WG2200046
Naphthalene	ND		5.00	1	01/03/2024 14:37	WG2200046
n-Propylbenzene	ND		1.00	1	01/03/2024 14:37	WG2200046
Styrene	ND		1.00	1	01/03/2024 14:37	WG2200046
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/03/2024 14:37	WG2200046
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/03/2024 14:37	WG2200046
Tetrachloroethene	ND		1.00	1	01/03/2024 14:37	WG2200046
Toluene	ND		1.00	1	01/03/2024 14:37	WG2200046
1,2,3-Trichlorobenzene	ND	J3	1.00	1	01/03/2024 14:37	WG2200046
1,2,4-Trichlorobenzene	ND		1.00	1	01/03/2024 14:37	WG2200046
1,1,1-Trichloroethane	ND		1.00	1	01/03/2024 14:37	WG2200046

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	01/03/2024 14:37	WG2200046
Trichloroethene	ND		1.00	1	01/03/2024 14:37	WG2200046
Trichlorofluoromethane	ND		5.00	1	01/03/2024 14:37	WG2200046
1,2,3-Trichloropropane	ND		2.50	1	01/03/2024 14:37	WG2200046
1,2,4-Trimethylbenzene	ND		1.00	1	01/03/2024 14:37	WG2200046
1,3,5-Trimethylbenzene	ND		1.00	1	01/03/2024 14:37	WG2200046
Vinyl chloride	ND		1.00	1	01/03/2024 14:37	WG2200046
Xylenes, Total	ND		3.00	1	01/03/2024 14:37	WG2200046
(S) Toluene-d8	86.3		80.0-120		01/03/2024 14:37	WG2200046
(S) 4-Bromofluorobenzene	86.4		77.0-126		01/03/2024 14:37	WG2200046
(S) 1,2-Dichloroethane-d4	82.6		70.0-130		01/03/2024 14:37	WG2200046

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	74.5		1	01/02/2024 09:29	WG2199122

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.34	1	01/05/2024 08:50	WG2199383

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	1.12		0.0537	1	01/02/2024 09:18	WG2198766

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND	J4	4.02	5	01/21/2024 20:41	WG2198867
Arsenic	1.55		1.34	5	01/21/2024 20:41	WG2198867
Barium	163		13.4	20	01/22/2024 17:36	WG2198867
Beryllium	ND	J4	3.35	5	01/21/2024 20:41	WG2198867
Cadmium	ND		1.34	5	01/21/2024 20:41	WG2198867
Chromium	21.0		6.71	5	01/21/2024 20:41	WG2198867
Cobalt	3.83		1.34	5	01/21/2024 20:41	WG2198867
Copper	34.8		6.71	5	01/21/2024 20:41	WG2198867
Lead	120		2.68	5	01/22/2024 16:20	WG2198867
Manganese	359		13.4	20	01/22/2024 17:36	WG2198867
Nickel	5.76		3.35	5	01/21/2024 20:41	WG2198867
Selenium	ND		3.35	5	01/21/2024 20:41	WG2198867
Silver	3.51		0.671	5	01/22/2024 16:20	WG2198867
Thallium	ND		2.68	5	01/21/2024 20:41	WG2198867
Vanadium	14.1		3.35	5	01/21/2024 20:41	WG2198867
Zinc	167	B	134	20	01/22/2024 17:36	WG2198867

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND	C3	0.0922	1.12	01/04/2024 07:56	WG2200492
Acrylonitrile	ND		0.0231	1.12	01/04/2024 07:56	WG2200492
Benzene	ND		0.00184	1.12	01/04/2024 07:56	WG2200492
Bromobenzene	ND		0.0231	1.12	01/04/2024 07:56	WG2200492
Bromodichloromethane	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
Bromoform	ND		0.0461	1.12	01/04/2024 07:56	WG2200492
Bromomethane	ND		0.0231	1.12	01/04/2024 07:56	WG2200492
n-Butylbenzene	ND		0.0231	1.12	01/04/2024 07:56	WG2200492
sec-Butylbenzene	ND		0.0231	1.12	01/04/2024 07:56	WG2200492
tert-Butylbenzene	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
Carbon tetrachloride	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
Chlorobenzene	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
Chlorodibromomethane	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
Chloroethane	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
Chloroform	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
Chloromethane	ND		0.0231	1.12	01/04/2024 07:56	WG2200492
2-Chlorotoluene	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
4-Chlorotoluene	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
1,2-Dibromo-3-Chloropropane	ND		0.0461	1.12	01/04/2024 07:56	WG2200492

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
Dibromomethane	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
1,2-Dichlorobenzene	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
1,3-Dichlorobenzene	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
1,4-Dichlorobenzene	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
Dichlorodifluoromethane	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
1,1-Dichloroethane	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
1,2-Dichloroethane	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
1,1-Dichloroethene	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
cis-1,2-Dichloroethene	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
trans-1,2-Dichloroethene	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
1,2-Dichloropropane	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
1,1-Dichloropropene	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
1,3-Dichloropropane	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
cis-1,3-Dichloropropene	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
trans-1,3-Dichloropropene	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
2,2-Dichloropropane	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
Di-isopropyl ether	ND		0.00184	1.12	01/04/2024 07:56	WG2200492
Ethylbenzene	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
Hexachloro-1,3-butadiene	ND		0.0461	1.12	01/04/2024 07:56	WG2200492
Isopropylbenzene	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
p-Isopropyltoluene	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
2-Butanone (MEK)	ND		0.184	1.12	01/04/2024 07:56	WG2200492
Methylene Chloride	ND		0.0461	1.12	01/04/2024 07:56	WG2200492
4-Methyl-2-pentanone (MIBK)	ND		0.0461	1.12	01/04/2024 07:56	WG2200492
Methyl tert-butyl ether	ND		0.00184	1.12	01/04/2024 07:56	WG2200492
Naphthalene	ND		0.0231	1.12	01/04/2024 07:56	WG2200492
n-Propylbenzene	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
Styrene	ND		0.0231	1.12	01/04/2024 07:56	WG2200492
1,1,1,2-Tetrachloroethane	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
1,1,2,2-Tetrachloroethane	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
Tetrachloroethene	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
Toluene	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
1,2,3-Trichlorobenzene	ND		0.0231	1.12	01/04/2024 07:56	WG2200492
1,2,4-Trichlorobenzene	ND		0.0231	1.12	01/04/2024 07:56	WG2200492
1,1,1-Trichloroethane	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
1,1,2-Trichloroethane	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
Trichloroethene	ND		0.00184	1.12	01/04/2024 07:56	WG2200492
Trichlorofluoromethane	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
1,2,3-Trichloropropane	ND		0.0231	1.12	01/04/2024 07:56	WG2200492
1,2,4-Trimethylbenzene	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
1,3,5-Trimethylbenzene	ND		0.00922	1.12	01/04/2024 07:56	WG2200492
Vinyl chloride	ND		0.00461	1.12	01/04/2024 07:56	WG2200492
Xylenes, Total	ND		0.0120	1.12	01/04/2024 07:56	WG2200492
(S) Toluene-d8	106		75.0-131		01/04/2024 07:56	WG2200492
(S) 4-Bromofluorobenzene	99.6		67.0-138		01/04/2024 07:56	WG2200492
(S) 1,2-Dichloroethane-d4	112		70.0-130		01/04/2024 07:56	WG2200492

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	01/03/2024 05:14	WG2198815
Acenaphthylene	ND		0.0447	1	01/03/2024 05:14	WG2198815
Anthracene	ND		0.0447	1	01/03/2024 05:14	WG2198815
Benzidine	ND		2.24	1	01/03/2024 05:14	WG2198815
Benzo(a)anthracene	ND		0.0447	1	01/03/2024 05:14	WG2198815

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0474		0.0447	1	01/03/2024 05:14	WG2198815
Benzo(k)fluoranthene	ND		0.0447	1	01/03/2024 05:14	WG2198815
Benzo(g,h,i)perylene	ND		0.0447	1	01/03/2024 05:14	WG2198815
Benzo(a)pyrene	ND		0.0447	1	01/03/2024 05:14	WG2198815
Bis(2-chloroethoxy)methane	ND		0.447	1	01/03/2024 05:14	WG2198815
Bis(2-chloroethyl)ether	ND		0.447	1	01/03/2024 05:14	WG2198815
2,2-Oxybis(1-Chloropropane)	ND		0.447	1	01/03/2024 05:14	WG2198815
4-Bromophenyl-phenylether	ND		0.447	1	01/03/2024 05:14	WG2198815
2-Chloronaphthalene	ND		0.0447	1	01/03/2024 05:14	WG2198815
4-Chlorophenyl-phenylether	ND		0.447	1	01/03/2024 05:14	WG2198815
Chrysene	ND		0.0447	1	01/03/2024 05:14	WG2198815
Dibenz(a,h)anthracene	ND		0.0447	1	01/03/2024 05:14	WG2198815
3,3-Dichlorobenzidine	ND		0.447	1	01/03/2024 05:14	WG2198815
2,4-Dinitrotoluene	ND		0.447	1	01/03/2024 05:14	WG2198815
2,6-Dinitrotoluene	ND		0.447	1	01/03/2024 05:14	WG2198815
Fluoranthene	0.0500		0.0447	1	01/03/2024 05:14	WG2198815
Fluorene	ND		0.0447	1	01/03/2024 05:14	WG2198815
Hexachlorobenzene	ND		0.447	1	01/03/2024 05:14	WG2198815
Hexachloro-1,3-butadiene	ND		0.447	1	01/03/2024 05:14	WG2198815
Hexachlorocyclopentadiene	ND		0.447	1	01/03/2024 05:14	WG2198815
Hexachloroethane	ND		0.447	1	01/03/2024 05:14	WG2198815
Indeno(1,2,3-cd)pyrene	ND		0.0447	1	01/03/2024 05:14	WG2198815
Isophorone	ND		0.447	1	01/03/2024 05:14	WG2198815
Naphthalene	ND		0.0447	1	01/03/2024 05:14	WG2198815
Nitrobenzene	ND		0.447	1	01/03/2024 05:14	WG2198815
n-Nitrosodimethylamine	ND		0.447	1	01/03/2024 05:14	WG2198815
n-Nitrosodiphenylamine	ND		0.447	1	01/03/2024 05:14	WG2198815
n-Nitrosodi-n-propylamine	ND		0.447	1	01/03/2024 05:14	WG2198815
Phenanthrene	ND		0.0447	1	01/03/2024 05:14	WG2198815
Benzylbutyl phthalate	ND		0.447	1	01/03/2024 05:14	WG2198815
Bis(2-ethylhexyl)phthalate	ND		0.447	1	01/03/2024 05:14	WG2198815
Di-n-butyl phthalate	ND		0.447	1	01/03/2024 05:14	WG2198815
Diethyl phthalate	ND		0.447	1	01/03/2024 05:14	WG2198815
Dimethyl phthalate	ND		0.447	1	01/03/2024 05:14	WG2198815
Di-n-octyl phthalate	ND		0.447	1	01/03/2024 05:14	WG2198815
Pyrene	0.0452		0.0447	1	01/03/2024 05:14	WG2198815
1,2,4-Trichlorobenzene	ND		0.447	1	01/03/2024 05:14	WG2198815
4-Chloro-3-methylphenol	ND		0.447	1	01/03/2024 05:14	WG2198815
2-Chlorophenol	ND		0.447	1	01/03/2024 05:14	WG2198815
2,4-Dichlorophenol	ND		0.447	1	01/03/2024 05:14	WG2198815
2,4-Dimethylphenol	ND		0.447	1	01/03/2024 05:14	WG2198815
4,6-Dinitro-2-methylphenol	ND		0.447	1	01/03/2024 05:14	WG2198815
2,4-Dinitrophenol	ND		0.447	1	01/03/2024 05:14	WG2198815
2-Nitrophenol	ND		0.447	1	01/03/2024 05:14	WG2198815
4-Nitrophenol	ND		0.447	1	01/03/2024 05:14	WG2198815
Pentachlorophenol	ND		0.447	1	01/03/2024 05:14	WG2198815
Phenol	ND		0.447	1	01/03/2024 05:14	WG2198815
2,4,6-Trichlorophenol	ND		0.447	1	01/03/2024 05:14	WG2198815
(S) 2-Fluorophenol	57.7		12.0-120		01/03/2024 05:14	WG2198815
(S) Phenol-d5	54.8		10.0-120		01/03/2024 05:14	WG2198815
(S) Nitrobenzene-d5	46.5		10.0-122		01/03/2024 05:14	WG2198815
(S) 2-Fluorobiphenyl	50.8		15.0-120		01/03/2024 05:14	WG2198815
(S) 2,4,6-Tribromophenol	51.8		10.0-127		01/03/2024 05:14	WG2198815
(S) p-Terphenyl-d14	55.9		10.0-120		01/03/2024 05:14	WG2198815

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4019096-1 01/02/24 08:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

1 Cp

2 Tc

3 Ss

L1692273-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1692273-04 01/02/24 08:38 • (DUP) R4019096-3 01/02/24 08:38

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	86.6	88.2	1	1.88		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4019096-2 01/02/24 08:38

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4019129-1 01/02/24 09:29

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

¹Cp

²Tc

³Ss

L1692289-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1692289-01 01/02/24 09:29 • (DUP) R4019129-3 01/02/24 09:29

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Total Solids	92.0	92.3	1	0.299		10

⁴Cn

⁵Sr

Laboratory Control Sample (LCS)

(LCS) R4019129-2 01/02/24 09:29

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

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4019701-1 01/04/24 08:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1692209-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1692209-02 01/04/24 09:15 • (DUP) R4019701-3 01/04/24 09:21

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

L1692273-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1692273-08 01/04/24 12:39 • (DUP) R4019701-12 01/04/24 12:45

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4019701-2 01/04/24 09:02

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.6	106	80.0-120	

L1692209-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692209-08 01/04/24 10:10 • (MS) R4019701-4 01/04/24 10:17 • (MSD) R4019701-5 01/04/24 10:23

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	22.9	ND	20.2	20.1	88.0	88.0	1	75.0-125			0.0983	20

L1692273-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692273-06 01/04/24 11:49 • (MS) R4019701-8 01/04/24 11:56 • (MSD) R4019701-9 01/04/24 12:02

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 %
Hexavalent Chromium	24.4	ND	19.8	23.4	81.4	96.0	1	75.0-125			16.5	20

1 Cp

2 Tc

3 Ss

L1692209-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1692209-08 01/04/24 10:10 • (MS) R4019701-6 01/04/24 10:29

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	742	ND	820	110	50	75.0-125	

4 Cn

5 Sr

6 Qc

L1692273-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1692273-06 01/04/24 11:49 • (MS) R4019701-10 01/04/24 12:08

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	783	ND	786	100	50	75.0-125	

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4020110-1 01/05/24 08:23

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1692273-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1692273-09 01/05/24 08:38 • (DUP) R4020110-3 01/05/24 08:44

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

Laboratory Control Sample (LCS)

(LCS) R4020110-2 01/05/24 08:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	10.8	108	80.0-120	

L1692845-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692845-03 01/05/24 09:09 • (MS) R4020110-4 01/05/24 09:15 • (MSD) R4020110-5 01/05/24 09:21

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	24.0	ND	26.4	24.6	107	99.6	1	75.0-125			7.19	20

L1692845-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1692845-03 01/05/24 09:09 • (MS) R4020110-8 01/05/24 09:39

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	7760	ND	1020	13.1	50	75.0-125	<u>J6</u>

Method Blank (MB)

(MB) R4018664-1 01/02/24 08:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4018664-5 01/02/24 09:26

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.549	110	80.0-120	

4 Cn

5 Sr

L1692245-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692245-02 01/02/24 08:43 • (MS) R4018664-3 01/02/24 08:46 • (MSD) R4018664-4 01/02/24 08:48

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.726	0.0621	0.672	0.690	83.9	86.5	1	75.0-125			2.70	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024830-1 01/21/24 19:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	0.648	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	0.143	U	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	8.40	U	0.740	25.0

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

Laboratory Control Sample (LCS)

(LCS) R4024830-2 01/21/24 19:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	141	141	80.0-120	J4
Arsenic	100	113	113	80.0-120	
Barium	100	118	118	80.0-120	
Beryllium	100	123	123	80.0-120	J4
Cadmium	100	116	116	80.0-120	
Chromium	100	114	114	80.0-120	
Cobalt	100	116	116	80.0-120	
Copper	100	112	112	80.0-120	
Lead	100	118	118	80.0-120	
Manganese	100	116	116	80.0-120	
Nickel	100	116	116	80.0-120	
Selenium	100	114	114	80.0-120	
Silver	20.0	24.0	120	80.0-120	
Thallium	100	115	115	80.0-120	
Vanadium	100	112	112	80.0-120	
Zinc	100	110	110	80.0-120	

L1692273-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692273-04 01/21/24 19:47 • (MS) R4024830-5 01/21/24 19:57 • (MSD) R4024830-6 01/21/24 20:01

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	116	ND	83.7	89.9	72.3	77.7	5	75.0-125	J6		7.14	20
Arsenic	116	1.77	126	132	108	113	5	75.0-125			4.31	20
Barium	116	48.9	191	200	123	131	5	75.0-125		J5	4.39	20
Beryllium	116	ND	129	127	112	110	5	75.0-125			1.83	20
Cadmium	116	ND	133	136	115	118	5	75.0-125			2.81	20
Chromium	116	37.1	184	155	127	102	5	75.0-125	J5		17.0	20
Cobalt	116	8.41	137	144	112	117	5	75.0-125			4.47	20
Copper	116	12.5	145	149	115	118	5	75.0-125			2.40	20
Lead	116	18.4	156	164	119	126	5	75.0-125		J5	5.28	20
Manganese	116	241	480	539	207	257	5	75.0-125	J5	J5	11.5	20
Nickel	116	14.5	145	146	113	114	5	75.0-125			0.929	20
Selenium	116	ND	124	134	107	116	5	75.0-125			7.89	20
Silver	23.1	ND	27.4	28.5	117	122	5	75.0-125			4.02	20
Thallium	116	ND	129	137	111	118	5	75.0-125			6.17	20
Vanadium	116	36.6	165	160	111	107	5	75.0-125			3.50	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4025868-1 01/24/24 14:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.166	3.00

Laboratory Control Sample (LCS)

(LCS) R4025868-2 01/24/24 14:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	99.5	99.5	80.0-120	

L1692292-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692292-02 01/24/24 14:23 • (MS) R4025868-5 01/24/24 14:33 • (MSD) R4025868-6 01/24/24 14:36

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	116	358	407	335	42.0	0.000	5	75.0-125	<u>J6</u>	<u>J6</u>	19.3	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4019763-3 01/03/24 12:32

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4019763-3 01/03/24 12:32

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	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	87.6			80.0-120
(S) 4-Bromofluorobenzene	84.7			77.0-126
(S) 1,2-Dichloroethane-d4	83.9			70.0-130

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019763-1 01/03/24 11:36 • (LCSD) R4019763-2 01/03/24 11:55

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Acetone	25.0	25.2	27.2	101	109	19.0-160			7.63	27
Acrolein	25.0	12.9	21.0	51.6	84.0	10.0-160		J3	47.8	26
Acrylonitrile	25.0	28.3	28.8	113	115	55.0-149			1.75	20
Benzene	5.00	5.50	5.57	110	111	70.0-123			1.26	20
Bromobenzene	5.00	5.23	5.60	105	112	73.0-121			6.83	20
Bromodichloromethane	5.00	5.42	5.50	108	110	75.0-120			1.47	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019763-1 01/03/24 11:36 • (LCSD) R4019763-2 01/03/24 11:55

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	4.99	4.77	99.8	95.4	68.0-132			4.51	20
Bromomethane	5.00	6.11	6.24	122	125	10.0-160			2.11	25
n-Butylbenzene	5.00	5.29	5.78	106	116	73.0-125			8.85	20
sec-Butylbenzene	5.00	5.53	5.87	111	117	75.0-125			5.96	20
tert-Butylbenzene	5.00	5.32	5.51	106	110	76.0-124			3.51	20
Carbon tetrachloride	5.00	5.38	5.42	108	108	68.0-126			0.741	20
Chlorobenzene	5.00	5.26	5.46	105	109	80.0-121			3.73	20
Chlorodibromomethane	5.00	4.87	5.13	97.4	103	77.0-125			5.20	20
Chloroethane	5.00	6.26	6.87	125	137	47.0-150			9.29	20
Chloroform	5.00	5.42	5.47	108	109	73.0-120			0.918	20
Chloromethane	5.00	6.58	6.57	132	131	41.0-142			0.152	20
2-Chlorotoluene	5.00	5.67	5.74	113	115	76.0-123			1.23	20
4-Chlorotoluene	5.00	5.40	5.85	108	117	75.0-122			8.00	20
1,2-Dibromo-3-Chloropropane	5.00	5.26	5.16	105	103	58.0-134			1.92	20
1,2-Dibromoethane	5.00	5.14	5.50	103	110	80.0-122			6.77	20
Dibromomethane	5.00	5.40	5.46	108	109	80.0-120			1.10	20
1,2-Dichlorobenzene	5.00	5.28	5.68	106	114	79.0-121			7.30	20
1,3-Dichlorobenzene	5.00	5.41	5.58	108	112	79.0-120			3.09	20
1,4-Dichlorobenzene	5.00	5.21	5.41	104	108	79.0-120			3.77	20
Dichlorodifluoromethane	5.00	6.60	6.95	132	139	51.0-149			5.17	20
1,1-Dichloroethane	5.00	5.65	5.65	113	113	70.0-126			0.000	20
1,2-Dichloroethane	5.00	5.17	5.26	103	105	70.0-128			1.73	20
1,1-Dichloroethene	5.00	5.39	5.84	108	117	71.0-124			8.01	20
cis-1,2-Dichloroethene	5.00	5.39	5.31	108	106	73.0-120			1.50	20
trans-1,2-Dichloroethene	5.00	5.16	5.40	103	108	73.0-120			4.55	20
1,2-Dichloropropane	5.00	5.36	5.22	107	104	77.0-125			2.65	20
1,1-Dichloropropene	5.00	5.42	5.60	108	112	74.0-126			3.27	20
1,3-Dichloropropane	5.00	5.47	5.65	109	113	80.0-120			3.24	20
cis-1,3-Dichloropropene	5.00	5.33	5.31	107	106	80.0-123			0.376	20
trans-1,3-Dichloropropene	5.00	5.11	5.35	102	107	78.0-124			4.59	20
2,2-Dichloropropane	5.00	6.64	6.10	133	122	58.0-130	J4		8.48	20
Di-isopropyl ether	5.00	5.42	5.63	108	113	58.0-138			3.80	20
Ethylbenzene	5.00	4.87	5.05	97.4	101	79.0-123			3.63	20
Hexachloro-1,3-butadiene	5.00	5.32	6.06	106	121	54.0-138			13.0	20
Isopropylbenzene	5.00	5.31	5.62	106	112	76.0-127			5.67	20
p-Isopropyltoluene	5.00	5.16	5.46	103	109	76.0-125			5.65	20
2-Butanone (MEK)	25.0	27.2	29.0	109	116	44.0-160			6.41	20
Methylene Chloride	5.00	6.07	6.36	121	127	67.0-120	J4	J4	4.67	20
4-Methyl-2-pentanone (MIBK)	25.0	30.0	29.4	120	118	68.0-142			2.02	20
Methyl tert-butyl ether	5.00	5.34	5.55	107	111	68.0-125			3.86	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4019763-1 01/03/24 11:36 • (LCSD) R4019763-2 01/03/24 11:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Naphthalene	5.00	5.26	6.20	105	124	54.0-135			16.4	20
n-Propylbenzene	5.00	5.76	5.95	115	119	77.0-124			3.25	20
Styrene	5.00	4.91	5.06	98.2	101	73.0-130			3.01	20
1,1,1,2-Tetrachloroethane	5.00	5.31	5.21	106	104	75.0-125			1.90	20
1,1,2,2-Tetrachloroethane	5.00	5.94	6.06	119	121	65.0-130			2.00	20
Tetrachloroethene	5.00	4.84	5.00	96.8	100	72.0-132			3.25	20
Toluene	5.00	5.56	5.67	111	113	79.0-120			1.96	20
1,2,3-Trichlorobenzene	5.00	4.70	5.90	94.0	118	50.0-138		J3	22.6	20
1,2,4-Trichlorobenzene	5.00	4.86	5.77	97.2	115	57.0-137			17.1	20
1,1,1-Trichloroethane	5.00	5.09	5.13	102	103	73.0-124			0.783	20
1,1,2-Trichloroethane	5.00	5.28	5.49	106	110	80.0-120			3.90	20
Trichloroethene	5.00	4.79	5.02	95.8	100	78.0-124			4.69	20
Trichlorofluoromethane	5.00	6.08	6.30	122	126	59.0-147			3.55	20
1,2,3-Trichloropropane	5.00	5.34	5.10	107	102	73.0-130			4.60	20
1,2,4-Trimethylbenzene	5.00	5.62	5.88	112	118	76.0-121			4.52	20
1,3,5-Trimethylbenzene	5.00	5.54	5.78	111	116	76.0-122			4.24	20
Vinyl chloride	5.00	6.14	6.05	123	121	67.0-131			1.48	20
Xylenes, Total	15.0	15.3	16.0	102	107	79.0-123			4.47	20
(S) Toluene-d8				84.3	85.9	80.0-120				
(S) 4-Bromofluorobenzene				85.9	86.6	77.0-126				
(S) 1,2-Dichloroethane-d4				84.2	84.3	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4020086-3 01/04/24 02:33

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
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
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4020086-3 01/04/24 02:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	0.00815	<u>U</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	0.00570		0.00158	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	111			75.0-131
(S) 4-Bromofluorobenzene	89.9			67.0-138
(S) 1,2-Dichloroethane-d4	94.1			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020086-1 01/04/24 00:55 • (LCSD) R4020086-2 01/04/24 01:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	1.07	1.03	171	165	10.0-160	<u>J4</u>	<u>J4</u>	3.81	31
Acrylonitrile	0.625	0.751	0.671	120	107	45.0-153			11.3	22
Benzene	0.125	0.118	0.121	94.4	96.8	70.0-123			2.51	20
Bromobenzene	0.125	0.122	0.131	97.6	105	73.0-121			7.11	20
Bromodichloromethane	0.125	0.123	0.120	98.4	96.0	73.0-121			2.47	20
Bromoform	0.125	0.125	0.132	100	106	64.0-132			5.45	20
Bromomethane	0.125	0.122	0.122	97.6	97.6	56.0-147			0.000	20
n-Butylbenzene	0.125	0.0950	0.0965	76.0	77.2	68.0-135			1.57	20
Carbon tetrachloride	0.125	0.136	0.134	109	107	66.0-128			1.48	20
Chlorobenzene	0.125	0.124	0.128	99.2	102	76.0-128			3.17	20
Chlorodibromomethane	0.125	0.123	0.134	98.4	107	74.0-127			8.56	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020086-1 01/04/24 00:55 • (LCSD) R4020086-2 01/04/24 01:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Chloroethane	0.125	0.123	0.126	98.4	101	61.0-134			2.41	20
Chloroform	0.125	0.141	0.138	113	110	72.0-123			2.15	20
Chloromethane	0.125	0.135	0.143	108	114	51.0-138			5.76	20
2-Chlorotoluene	0.125	0.123	0.125	98.4	100	75.0-124			1.61	20
4-Chlorotoluene	0.125	0.124	0.125	99.2	100	75.0-124			0.803	20
1,2-Dibromo-3-Chloropropane	0.125	0.128	0.141	102	113	59.0-130			9.67	20
1,2-Dibromoethane	0.125	0.139	0.134	111	107	74.0-128			3.66	20
Dibromomethane	0.125	0.127	0.122	102	97.6	75.0-122			4.02	20
1,2-Dichlorobenzene	0.125	0.134	0.129	107	103	76.0-124			3.80	20
1,3-Dichlorobenzene	0.125	0.125	0.124	100	99.2	76.0-125			0.803	20
1,4-Dichlorobenzene	0.125	0.133	0.128	106	102	77.0-121			3.83	20
Dichlorodifluoromethane	0.125	0.148	0.135	118	108	43.0-156			9.19	20
1,1-Dichloroethane	0.125	0.134	0.133	107	106	70.0-127			0.749	20
1,2-Dichloroethane	0.125	0.123	0.118	98.4	94.4	65.0-131			4.15	20
1,1-Dichloroethene	0.125	0.132	0.129	106	103	65.0-131			2.30	20
cis-1,2-Dichloroethene	0.125	0.131	0.126	105	101	73.0-125			3.89	20
trans-1,2-Dichloroethene	0.125	0.128	0.118	102	94.4	71.0-125			8.13	20
1,2-Dichloropropane	0.125	0.124	0.126	99.2	101	74.0-125			1.60	20
1,1-Dichloropropene	0.125	0.130	0.129	104	103	73.0-125			0.772	20
1,3-Dichloropropane	0.125	0.131	0.137	105	110	80.0-125			4.48	20
cis-1,3-Dichloropropene	0.125	0.126	0.126	101	101	76.0-127			0.000	20
trans-1,3-Dichloropropene	0.125	0.132	0.137	106	110	73.0-127			3.72	20
2,2-Dichloropropane	0.125	0.126	0.119	101	95.2	59.0-135			5.71	20
Di-isopropyl ether	0.125	0.136	0.126	109	101	60.0-136			7.63	20
Ethylbenzene	0.125	0.118	0.122	94.4	97.6	74.0-126			3.33	20
Hexachloro-1,3-butadiene	0.125	0.124	0.121	99.2	96.8	57.0-150			2.45	20
Isopropylbenzene	0.125	0.118	0.122	94.4	97.6	72.0-127			3.33	20
2-Butanone (MEK)	0.625	0.898	0.878	144	140	30.0-160			2.25	24
Methylene Chloride	0.125	0.127	0.133	102	106	68.0-123			4.62	20
4-Methyl-2-pentanone (MIBK)	0.625	0.708	0.765	113	122	56.0-143			7.74	20
Methyl tert-butyl ether	0.125	0.133	0.134	106	107	66.0-132			0.749	20
Naphthalene	0.125	0.0953	0.0975	76.2	78.0	59.0-130			2.28	20
n-Propylbenzene	0.125	0.120	0.124	96.0	99.2	74.0-126			3.28	20
Styrene	0.125	0.124	0.118	99.2	94.4	72.0-127			4.96	20
1,1,1,2-Tetrachloroethane	0.125	0.132	0.136	106	109	74.0-129			2.99	20
1,1,2,2-Tetrachloroethane	0.125	0.130	0.138	104	110	68.0-128			5.97	20
Tetrachloroethene	0.125	0.125	0.127	100	102	70.0-136			1.59	20
Toluene	0.125	0.122	0.127	97.6	102	75.0-121			4.02	20
1,2,3-Trichlorobenzene	0.125	0.112	0.117	89.6	93.6	59.0-139			4.37	20
1,2,4-Trichlorobenzene	0.125	0.121	0.113	96.8	90.4	62.0-137			6.84	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020086-1 01/04/24 00:55 • (LCSD) R4020086-2 01/04/24 01:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,1,1-Trichloroethane	0.125	0.137	0.135	110	108	69.0-126			1.47	20
1,1,2-Trichloroethane	0.125	0.131	0.138	105	110	78.0-123			5.20	20
Trichloroethene	0.125	0.120	0.123	96.0	98.4	76.0-126			2.47	20
Trichlorofluoromethane	0.125	0.134	0.155	107	124	61.0-142			14.5	20
1,2,3-Trichloropropane	0.125	0.130	0.140	104	112	67.0-129			7.41	20
1,2,4-Trimethylbenzene	0.125	0.0930	0.0942	74.4	75.4	70.0-126			1.28	20
Vinyl chloride	0.125	0.144	0.146	115	117	63.0-134			1.38	20
Xylenes, Total	0.375	0.336	0.331	89.6	88.3	72.0-127			1.50	20
(S) Toluene-d8				102	104	75.0-131				
(S) 4-Bromofluorobenzene				96.1	96.1	67.0-138				
(S) 1,2-Dichloroethane-d4				110	109	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4020595-3 01/03/24 23:48

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	0.00193	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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4020595-3 01/03/24 23:48

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	105			75.0-131
(S) 4-Bromofluorobenzene	98.5			67.0-138
(S) 1,2-Dichloroethane-d4	105			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020595-1 01/03/24 21:47 • (LCSD) R4020595-2 01/03/24 22:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.362	0.343	57.9	54.9	10.0-160			5.39	31
Acrylonitrile	0.625	0.593	0.565	94.9	90.4	45.0-153			4.84	22
Benzene	0.125	0.134	0.125	107	100	70.0-123			6.95	20
Bromobenzene	0.125	0.144	0.146	115	117	73.0-121			1.38	20
Bromodichloromethane	0.125	0.140	0.135	112	108	73.0-121			3.64	20
Bromoform	0.125	0.151	0.139	121	111	64.0-132			8.28	20
Bromomethane	0.125	0.132	0.130	106	104	56.0-147			1.53	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020595-1 01/03/24 21:47 • (LCSD) R4020595-2 01/03/24 22:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.114	0.109	91.2	87.2	68.0-135			4.48	20
sec-Butylbenzene	0.125	0.127	0.123	102	98.4	74.0-130			3.20	20
tert-Butylbenzene	0.125	0.126	0.122	101	97.6	75.0-127			3.23	20
Carbon tetrachloride	0.125	0.150	0.148	120	118	66.0-128			1.34	20
Chlorobenzene	0.125	0.122	0.121	97.6	96.8	76.0-128			0.823	20
Chlorodibromomethane	0.125	0.139	0.135	111	108	74.0-127			2.92	20
Chloroethane	0.125	0.161	0.152	129	122	61.0-134			5.75	20
Chloroform	0.125	0.137	0.128	110	102	72.0-123			6.79	20
Chloromethane	0.125	0.139	0.126	111	101	51.0-138			9.81	20
2-Chlorotoluene	0.125	0.125	0.119	100	95.2	75.0-124			4.92	20
4-Chlorotoluene	0.125	0.139	0.134	111	107	75.0-124			3.66	20
1,2-Dibromo-3-Chloropropane	0.125	0.119	0.123	95.2	98.4	59.0-130			3.31	20
1,2-Dibromoethane	0.125	0.139	0.143	111	114	74.0-128			2.84	20
Dibromomethane	0.125	0.134	0.124	107	99.2	75.0-122			7.75	20
1,2-Dichlorobenzene	0.125	0.124	0.124	99.2	99.2	76.0-124			0.000	20
1,3-Dichlorobenzene	0.125	0.133	0.136	106	109	76.0-125			2.23	20
1,4-Dichlorobenzene	0.125	0.134	0.127	107	102	77.0-121			5.36	20
Dichlorodifluoromethane	0.125	0.180	0.160	144	128	43.0-156			11.8	20
1,1-Dichloroethane	0.125	0.131	0.124	105	99.2	70.0-127			5.49	20
1,2-Dichloroethane	0.125	0.130	0.124	104	99.2	65.0-131			4.72	20
1,1-Dichloroethene	0.125	0.142	0.132	114	106	65.0-131			7.30	20
cis-1,2-Dichloroethene	0.125	0.126	0.129	101	103	73.0-125			2.35	20
trans-1,2-Dichloroethene	0.125	0.112	0.111	89.6	88.8	71.0-125			0.897	20
1,2-Dichloropropane	0.125	0.131	0.126	105	101	74.0-125			3.89	20
1,1-Dichloropropene	0.125	0.130	0.125	104	100	73.0-125			3.92	20
1,3-Dichloropropane	0.125	0.142	0.140	114	112	80.0-125			1.42	20
cis-1,3-Dichloropropene	0.125	0.138	0.134	110	107	76.0-127			2.94	20
trans-1,3-Dichloropropene	0.125	0.136	0.139	109	111	73.0-127			2.18	20
2,2-Dichloropropane	0.125	0.151	0.137	121	110	59.0-135			9.72	20
Di-isopropyl ether	0.125	0.136	0.126	109	101	60.0-136			7.63	20
Ethylbenzene	0.125	0.123	0.119	98.4	95.2	74.0-126			3.31	20
Hexachloro-1,3-butadiene	0.125	0.128	0.125	102	100	57.0-150			2.37	20
Isopropylbenzene	0.125	0.114	0.113	91.2	90.4	72.0-127			0.881	20
p-Isopropyltoluene	0.125	0.122	0.119	97.6	95.2	72.0-133			2.49	20
2-Butanone (MEK)	0.625	0.522	0.499	83.5	79.8	30.0-160			4.51	24
Methylene Chloride	0.125	0.133	0.131	106	105	68.0-123			1.52	20
4-Methyl-2-pentanone (MIBK)	0.625	0.644	0.640	103	102	56.0-143			0.623	20
Methyl tert-butyl ether	0.125	0.126	0.124	101	99.2	66.0-132			1.60	20
Naphthalene	0.125	0.106	0.114	84.8	91.2	59.0-130			7.27	20
n-Propylbenzene	0.125	0.129	0.124	103	99.2	74.0-126			3.95	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020595-1 01/03/24 21:47 • (LCSD) R4020595-2 01/03/24 22:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Styrene	0.125	0.107	0.106	85.6	84.8	72.0-127			0.939	20
1,1,1,2-Tetrachloroethane	0.125	0.122	0.120	97.6	96.0	74.0-129			1.65	20
1,1,2,2-Tetrachloroethane	0.125	0.133	0.127	106	102	68.0-128			4.62	20
Tetrachloroethene	0.125	0.140	0.137	112	110	70.0-136			2.17	20
Toluene	0.125	0.128	0.123	102	98.4	75.0-121			3.98	20
1,2,3-Trichlorobenzene	0.125	0.119	0.123	95.2	98.4	59.0-139			3.31	20
1,2,4-Trichlorobenzene	0.125	0.101	0.109	80.8	87.2	62.0-137			7.62	20
1,1,1-Trichloroethane	0.125	0.149	0.135	119	108	69.0-126			9.86	20
1,1,2-Trichloroethane	0.125	0.135	0.137	108	110	78.0-123			1.47	20
Trichloroethene	0.125	0.136	0.136	109	109	76.0-126			0.000	20
Trichlorofluoromethane	0.125	0.160	0.146	128	117	61.0-142			9.15	20
1,2,3-Trichloropropane	0.125	0.135	0.139	108	111	67.0-129			2.92	20
1,2,4-Trimethylbenzene	0.125	0.124	0.120	99.2	96.0	70.0-126			3.28	20
1,3,5-Trimethylbenzene	0.125	0.125	0.118	100	94.4	73.0-127			5.76	20
Vinyl chloride	0.125	0.136	0.128	109	102	63.0-134			6.06	20
Xylenes, Total	0.375	0.356	0.340	94.9	90.7	72.0-127			4.60	20
(S) Toluene-d8				103	102	75.0-131				
(S) 4-Bromofluorobenzene				100	97.2	67.0-138				
(S) 1,2-Dichloroethane-d4				115	115	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4020819-3 01/05/24 13:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
p-Isopropyltoluene	U		0.00255	0.00500
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
(S) Toluene-d8	101			75.0-131
(S) 4-Bromofluorobenzene	101			67.0-138
(S) 1,2-Dichloroethane-d4	96.3			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4020819-1 01/05/24 11:37 • (LCSD) R4020819-2 01/05/24 11:56

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
sec-Butylbenzene	0.125	0.139	0.122	111	97.6	74.0-130			13.0	20
tert-Butylbenzene	0.125	0.146	0.127	117	102	75.0-127			13.9	20
p-Isopropyltoluene	0.125	0.147	0.128	118	102	72.0-133			13.8	20
1,2,4-Trimethylbenzene	0.125	0.134	0.123	107	98.4	70.0-126			8.56	20
1,3,5-Trimethylbenzene	0.125	0.132	0.120	106	96.0	73.0-127			9.52	20
(S) Toluene-d8				99.1	101	75.0-131				
(S) 4-Bromofluorobenzene				96.4	99.4	67.0-138				
(S) 1,2-Dichloroethane-d4				95.8	99.9	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4019502-2 01/03/24 00:14

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4019502-2 01/03/24 00:14

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	65.2			12.0-120
(S) Phenol-d5	61.4			10.0-120
(S) Nitrobenzene-d5	53.5			10.0-122
(S) 2-Fluorobiphenyl	60.1			15.0-120
(S) 2,4,6-Tribromophenol	53.8			10.0-127
(S) p-Terphenyl-d14	67.0			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4019502-1 01/02/24 23:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.428	64.3	38.0-120	
Acenaphthylene	0.666	0.432	64.9	40.0-120	
Anthracene	0.666	0.437	65.6	42.0-120	
Benzidine	1.33	0.527	39.6	10.0-120	
Benzo(a)anthracene	0.666	0.463	69.5	44.0-120	
Benzo(b)fluoranthene	0.666	0.466	70.0	43.0-120	
Benzo(k)fluoranthene	0.666	0.435	65.3	44.0-120	
Benzo(g,h,i)perylene	0.666	0.525	78.8	43.0-120	
Benzo(a)pyrene	0.666	0.461	69.2	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.370	55.6	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.538	80.8	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.417	62.6	23.0-120	
4-Bromophenyl-phenylether	0.666	0.410	61.6	40.0-120	
2-Chloronaphthalene	0.666	0.409	61.4	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4019502-1 01/02/24 23:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.427	64.1	40.0-120	
Chrysene	0.666	0.454	68.2	43.0-120	
Dibenz(a,h)anthracene	0.666	0.495	74.3	44.0-120	
3,3-Dichlorobenzidine	1.33	0.824	62.0	28.0-120	
2,4-Dinitrotoluene	0.666	0.485	72.8	45.0-120	
2,6-Dinitrotoluene	0.666	0.443	66.5	42.0-120	
Fluoranthene	0.666	0.429	64.4	44.0-120	
Fluorene	0.666	0.436	65.5	41.0-120	
Hexachlorobenzene	0.666	0.409	61.4	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.347	52.1	15.0-120	
Hexachlorocyclopentadiene	0.666	0.467	70.1	15.0-120	
Hexachloroethane	0.666	0.419	62.9	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.450	67.6	45.0-120	
Isophorone	0.666	0.364	54.7	23.0-120	
Naphthalene	0.666	0.355	53.3	18.0-120	
Nitrobenzene	0.666	0.351	52.7	17.0-120	
n-Nitrosodimethylamine	0.666	0.342	51.4	10.0-125	
n-Nitrosodiphenylamine	0.666	0.423	63.5	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.432	64.9	26.0-120	
Phenanthrene	0.666	0.425	63.8	42.0-120	
Benzylbutyl phthalate	0.666	0.487	73.1	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.504	75.7	41.0-120	
Di-n-butyl phthalate	0.666	0.453	68.0	43.0-120	
Diethyl phthalate	0.666	0.452	67.9	43.0-120	
Dimethyl phthalate	0.666	0.439	65.9	43.0-120	
Di-n-octyl phthalate	0.666	0.484	72.7	40.0-120	
Pyrene	0.666	0.448	67.3	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.350	52.6	17.0-120	
4-Chloro-3-methylphenol	0.666	0.351	52.7	28.0-120	
2-Chlorophenol	0.666	0.432	64.9	28.0-120	
2,4-Dichlorophenol	0.666	0.357	53.6	25.0-120	
2,4-Dimethylphenol	0.666	0.441	66.2	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.449	67.4	16.0-120	
2,4-Dinitrophenol	0.666	0.411	61.7	10.0-120	
2-Nitrophenol	0.666	0.410	61.6	20.0-120	
4-Nitrophenol	0.666	0.431	64.7	27.0-120	
Pentachlorophenol	0.666	0.367	55.1	29.0-120	
Phenol	0.666	0.427	64.1	28.0-120	
2,4,6-Trichlorophenol	0.666	0.402	60.4	37.0-120	
(S) 2-Fluorophenol			70.9	12.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4019502-1 01/02/24 23:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
(S) Phenol-d5			65.2	10.0-120	
(S) Nitrobenzene-d5			49.5	10.0-122	
(S) 2-Fluorobiphenyl			62.8	15.0-120	
(S) 2,4,6-Tribromophenol			61.9	10.0-127	
(S) p-Terphenyl-d14			67.0	10.0-120	

L1692273-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692273-09 01/03/24 01:34 • (MS) R4019502-3 01/03/24 01:54 • (MSD) R4019502-4 01/03/24 02:14

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 %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acenaphthene	0.855	ND	0.410	0.405	48.0	47.3	1	18.0-120			1.28	32
Acenaphthylene	0.855	ND	0.406	0.409	47.6	47.7	1	25.0-120			0.641	32
Anthracene	0.855	ND	0.442	0.440	50.2	49.9	1	22.0-120			0.296	29
Benzidine	1.71	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(a)anthracene	0.855	0.0656	0.516	0.493	52.7	49.8	1	25.0-120			4.66	29
Benzo(b)fluoranthene	0.855	0.0862	0.527	0.502	51.5	48.5	1	19.0-122			4.83	31
Benzo(k)fluoranthene	0.855	ND	0.439	0.439	47.7	47.5	1	23.0-120			0.000	30
Benzo(g,h,i)perylene	0.855	0.0436	0.457	0.472	48.4	49.9	1	10.0-120			3.09	33
Benzo(a)pyrene	0.855	0.0643	0.504	0.489	51.5	49.5	1	24.0-120			3.16	30
Bis(2-chlorethoxy)methane	0.855	ND	ND	ND	42.7	41.8	1	10.0-120			1.81	34
Bis(2-chloroethyl)ether	0.855	ND	0.714	ND	83.5	47.3	1	10.0-120		J3	55.1	40
2,2-Oxybis(1-Chloropropane)	0.855	ND	ND	ND	45.9	43.9	1	10.0-120			4.08	40
4-Bromophenyl-phenylether	0.855	ND	ND	ND	46.2	47.1	1	27.0-120			2.29	30
2-Chloronaphthalene	0.855	ND	0.389	0.386	45.6	45.0	1	20.0-120			1.01	32
4-Chlorophenyl-phenylether	0.855	ND	ND	ND	47.7	47.7	1	24.0-120			0.320	29
Chrysene	0.855	0.0587	0.506	0.467	52.3	47.6	1	21.0-120			8.06	29
Dibenz(a,h)anthracene	0.855	ND	0.405	0.460	47.4	53.7	1	10.0-120			12.7	32
3,3-Dichlorobenzidine	1.71	ND	ND	0.685	16.1	40.0	1	10.0-120		J3	85.2	34
2,4-Dinitrotoluene	0.855	ND	0.473	0.489	55.4	57.0	1	30.0-120			3.26	31
2,6-Dinitrotoluene	0.855	ND	ND	0.438	50.6	51.1	1	25.0-120			1.20	31
Fluoranthene	0.855	0.121	0.571	0.493	52.6	43.3	1	18.0-126			14.7	32
Fluorene	0.855	ND	0.418	0.419	48.0	48.0	1	25.0-120			0.312	30
Hexachlorobenzene	0.855	ND	ND	ND	46.5	47.6	1	27.0-120			2.60	28
Hexachloro-1,3-butadiene	0.855	ND	ND	ND	37.8	37.8	1	10.0-120			0.404	38
Hexachlorocyclopentadiene	0.855	ND	ND	ND	27.8	23.9	1	10.0-120			14.7	40
Hexachloroethane	0.855	ND	ND	ND	45.7	44.1	1	10.0-120			3.40	40
Indeno(1,2,3-cd)pyrene	0.855	ND	0.429	0.440	45.2	46.4	1	10.0-120			2.71	32
Isophorone	0.855	ND	ND	ND	41.9	41.5	1	13.0-120			0.733	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1692273-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692273-09 01/03/24 01:34 • (MS) R4019502-3 01/03/24 01:54 • (MSD) R4019502-4 01/03/24 02:14

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	0.855	0.128	0.361	0.359	27.3	27.0	1	10.0-120			0.363	35
Nitrobenzene	0.855	ND	ND	ND	40.2	39.0	1	10.0-120			2.70	36
n-Nitrosodimethylamine	0.855	ND	ND	ND	40.5	38.9	1	10.0-127			3.85	40
n-Nitrosodiphenylamine	0.855	ND	ND	ND	45.9	47.9	1	17.0-120			4.56	29
n-Nitrosodi-n-propylamine	0.855	ND	ND	ND	48.5	47.6	1	10.0-120			1.59	37
Phenanthrene	0.855	0.0844	0.494	0.448	47.9	42.4	1	17.0-120			9.71	31
Benzylbutyl phthalate	0.855	ND	0.494	0.517	57.8	60.4	1	23.0-120			4.65	30
Bis(2-ethylhexyl)phthalate	0.855	ND	0.538	0.532	63.0	62.0	1	17.0-126			1.22	30
Di-n-butyl phthalate	0.855	ND	0.452	0.467	52.9	54.4	1	30.0-120			3.13	29
Diethyl phthalate	0.855	ND	0.439	0.451	51.4	52.6	1	26.0-120			2.64	28
Dimethyl phthalate	0.855	ND	ND	ND	49.4	50.2	1	25.0-120			1.84	29
Di-n-octyl phthalate	0.855	ND	0.521	0.550	61.0	64.2	1	21.0-123			5.37	29
Pyrene	0.855	0.103	0.537	0.493	50.8	45.5	1	16.0-121			8.63	32
1,2,4-Trichlorobenzene	0.855	ND	ND	ND	39.3	39.9	1	12.0-120			1.93	37
4-Chloro-3-methylphenol	0.855	ND	ND	ND	43.3	43.9	1	15.0-120			1.75	30
2-Chlorophenol	0.855	ND	ND	ND	48.0	48.0	1	15.0-120			0.318	37
2,4-Dichlorophenol	0.855	ND	ND	ND	42.8	43.0	1	20.0-120			0.712	31
2,4-Dimethylphenol	0.855	ND	ND	ND	43.1	45.4	1	10.0-120			5.52	33
4,6-Dinitro-2-methylphenol	0.855	ND	0.478	0.477	56.0	55.6	1	10.0-120			0.274	39
2,4-Dinitrophenol	0.855	ND	0.508	0.512	59.5	59.8	1	10.0-121			0.768	40
2-Nitrophenol	0.855	ND	ND	ND	48.0	46.3	1	12.0-120			3.24	39
4-Nitrophenol	0.855	ND	0.489	0.499	57.2	58.2	1	10.0-137			2.12	32
Pentachlorophenol	0.855	ND	ND	0.435	46.6	50.8	1	10.0-160			8.78	31
Phenol	0.855	ND	ND	ND	48.8	46.6	1	12.0-120			4.16	38
2,4,6-Trichlorophenol	0.855	ND	ND	ND	46.0	48.0	1	19.0-120			4.55	32
(S) 2-Fluorophenol					52.6	49.2		12.0-120				
(S) Phenol-d5					48.8	47.3		10.0-120				
(S) Nitrobenzene-d5					34.9	33.5		10.0-122				
(S) 2-Fluorobiphenyl					45.6	43.9		15.0-120				
(S) 2,4,6-Tribromophenol					48.9	48.0		10.0-127				
(S) p-Terphenyl-d14					51.1	52.1		10.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

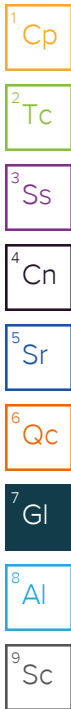
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
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.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.



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	LA000356
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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.com)
 Email To: jpaul@smeinc.com

Report to:
Mr. Jerry Paul

Project Description: **Northgate Park** City/State Collected: **Durham, NC** Please Circle: **ET**

Phone: **919-872-2660** Client Project #: **23050630** Lab Project #: **SMERLNC-NORTHGATE**

Collected by (print): **Chelsea Parva** Site/Facility ID # P.O. #

Collected by (signature): **CP** **Rush?** (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day
 Immediately Packed on Ice **N** **Y**

Sample ID Comp/Grab Matrix * Depth Date Time Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs
825-SB-76	C	SS	0-1	12/28/23	1040	4
825-SB-77		SS			1030	4
825-SB-78		SS			1615	4
825-SB-79		SS			1620	4
825-SB-80		SS			1600	4
825-SB-81		SS			1605	4
825-SB-82		SS			1540	4
825-SB-83		SS			1520	4
825-SB-84		SS			1510	4
Trip Blank	GWSS					4

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other


Remarks: **SPLP/TCLP on hold**
 pH _____ Temp _____
 Flow _____ Other _____

Samples returned via: UPS FedEx Courier Tracking # **7155 0298 2264**

Relinquished by: (Signature) CP	Date: 12/28/23	Time: 1645	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) TJ Paul

Analysis / Container / Preservative										
Metals 20zClr-NoPres	Pb Hold	SPLP/TCLP-GOLD-4ozClr-NoPres	SV8270, TS 4ozClr-NoPres	V8260 40mlAmb-HCl-Bik	V8260 40mlAmb/MeOH10ml/Syr	SV065 8270	18 Metals 6020	Mercury 7471	Hex Chrom. 7199	

Chain of Custody Page ___ of ___



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.pace-labs.com/hubfs/pas-standard-terms.pdf>

SDG # **692273**
C053

Acctnum: **SMERLNC**
 Template: **T243915**
 Prelogin: **P1044755**
 PM: **034 - Craig, Cothron**
 PB:

Shipped Via: **FedEX Ground**

Remarks | Sample # (lab only)


Sample Receipt Checklist:

COC Seal Present/Intact:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
COC Signed/Accurate:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Bottles arrive intact:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Correct bottles used:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Sufficient volume sent:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

If Applicable

VOA Zero Headspace:	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
Preservation Correct/Checked:	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
RA Green <0.5 mR/hr:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Trip Blank Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	HCl/MeOH TBR
Temp: 1.070 = 1.0 °C	Bottles Received: 40
Date: 12/29/23	Time: 0900
Condition: NCF 1/OK	

Company Name/Address: S&ME Inc. - Raleigh NC		Billing Information: Accounts Payable 3201 Spring Forest Rd.		Pres Chk	Analysis / Container / Preservative								Chain of Custody Page ___ of ___		
3201 Spring Forest Road Raleigh, NC 27616		(smeinc_invoice@concursolution													 PEOPLE ADVANCING SCIENCE 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
Report to: Mr. Jerry Paul		Email To: jpaul@smeinc.com													

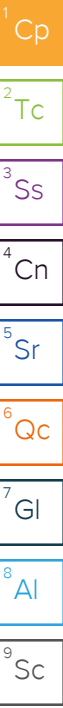
Project Description: Northgate Park		City/State Collected: Durham, NC	Please Circle: PT MT CT (E)	
-----------------------------------------------	--	--------------------------------------------	---------------------------------------	--

Phone: 919-872-2660	Client Project #	Lab Project # SMERLNC-NORTHGATE
Collected by (print): <i>Melissa Parra</i>	Site/Facility ID #	P.O. #
Collected by (signature): <i>CP</i>	Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day	Quote #
Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>		Date Results Needed
		No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Metals 20zClr-NoPres	SPLP/TCLP GOLD 40zClr-NoPres	SV8270,TS 40zClr-NoPres	V8260 40mlAmb-HCl-BIK	V8260 40mlAmb/MeOH10ml/Syr	SV005 8270	18 Metals 6020	Mercury 7471	Hex = Chrom. 7199
825-SB-85	C	SS	(0-1)	12/28/23	1515	4	X	X	X		X	X	X	X	X
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				

* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____	Remarks:	pH _____ Temp _____ Flow _____ Other _____	Sample Receipt Checklist COC Seal Present/Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If Applicable VOC Zero Headspace: <input type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Field Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier	Tracking # 7155 0298 2269		

Relinquished by: (Signature) <i>CP</i>	Date: 12/28/23	Time: 1645	Received by: (Signature)	Trip Blank Received: 1 Yes/No HCL/MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: CC APC 1.0 to 1.0 Bottles Received: 40
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>T. Pender</i>	Date: 12/29/23 Time: 0900 Condition: NCF / OK

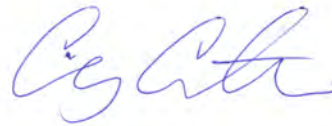


S&ME Inc. - Raleigh NC

Sample Delivery Group: L1693662
Samples Received: 01/05/2024
Project Number: 23050630
Description: Northgate Park

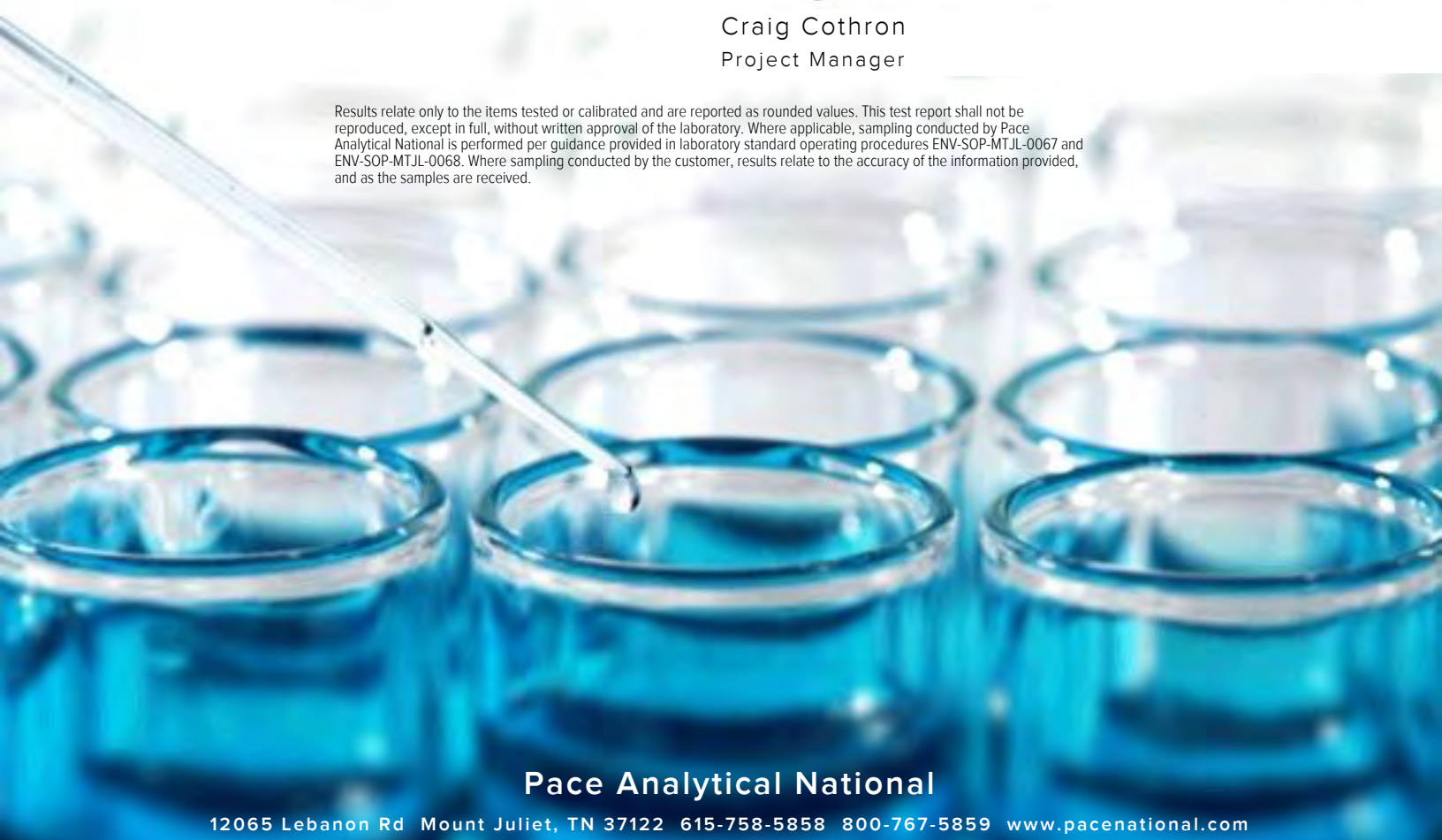
Report To: Mr. Jerry Paul
3201 Spring Forest Road
Raleigh, NC 27616

Entire Report Reviewed By:



Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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

SAMPLE SUMMARY

825-SB-99 L1693662-01 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 12:20
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202796	1	01/08/24 12:23	01/08/24 12:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/08/24 23:39	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202230	1	01/06/24 11:53	01/06/24 20:16	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202530	5	01/07/24 23:37	01/24/24 11:01	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204539	1.18	01/04/24 12:20	01/10/24 16:45	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202492	1	01/08/24 07:45	01/09/24 00:36	JCH	Mt. Juliet, TN



825-SB-100 L1693662-02 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 12:30
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202796	1	01/08/24 12:23	01/08/24 12:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/08/24 23:52	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 21:32	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202529	5	01/07/24 23:33	01/24/24 18:22	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204539	1	01/04/24 12:30	01/10/24 17:05	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202492	1	01/08/24 07:45	01/08/24 22:08	JCH	Mt. Juliet, TN

825-SB-101 L1693662-03 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 12:35
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202796	1	01/08/24 12:23	01/08/24 12:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/08/24 23:58	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 21:34	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202529	5	01/07/24 23:33	01/24/24 18:25	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204539	1	01/04/24 12:35	01/10/24 17:25	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202492	1	01/08/24 07:45	01/08/24 22:32	JCH	Mt. Juliet, TN

825-SB-102 L1693662-04 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 14:40
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202796	1	01/08/24 12:23	01/08/24 12:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/09/24 00:04	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 21:37	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202529	5	01/07/24 23:33	01/24/24 18:40	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204539	1.2	01/04/24 14:40	01/10/24 17:45	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202492	1	01/08/24 07:45	01/09/24 01:01	JCH	Mt. Juliet, TN

825-SB-103 L1693662-05 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 14:45
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202797	1	01/08/24 12:17	01/08/24 12:22	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/09/24 00:47	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 21:39	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202529	5	01/07/24 23:33	01/24/24 18:44	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204539	1.01	01/04/24 14:45	01/10/24 18:04	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 15:33	JCH	Mt. Juliet, TN

SAMPLE SUMMARY

825-SB-104 L1693662-06 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 15:00
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202797	1	01/08/24 12:17	01/08/24 12:22	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/09/24 00:53	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 21:42	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202529	5	01/07/24 23:33	01/24/24 18:47	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204539	1.07	01/04/24 15:00	01/10/24 18:24	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 15:53	JCH	Mt. Juliet, TN



825-SB-105 L1693662-07 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 15:05
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202797	1	01/08/24 12:17	01/08/24 12:22	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/09/24 01:00	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 21:44	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202530	5	01/07/24 23:37	01/24/24 11:04	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204539	1	01/04/24 15:05	01/10/24 18:44	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 16:14	JCH	Mt. Juliet, TN

825-SB-106 L1693662-08 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 15:10
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202797	1	01/08/24 12:17	01/08/24 12:22	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/09/24 01:06	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 21:24	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202529	5	01/07/24 23:33	01/24/24 18:06	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204539	1	01/04/24 15:10	01/10/24 19:04	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 16:34	JCH	Mt. Juliet, TN

825-SB-107 L1693662-09 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 13:55
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202797	1	01/08/24 12:17	01/08/24 12:22	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/09/24 01:12	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 21:47	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202530	5	01/07/24 23:37	01/24/24 11:14	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204539	1	01/04/24 13:55	01/10/24 19:24	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 16:54	JCH	Mt. Juliet, TN

825-SB-108 L1693662-10 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 13:50
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202797	1	01/08/24 12:17	01/08/24 12:22	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/09/24 01:18	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 21:54	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202529	5	01/07/24 23:33	01/24/24 18:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1	01/04/24 13:50	01/10/24 20:09	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 20:37	JCH	Mt. Juliet, TN

SAMPLE SUMMARY

TRIP BLANK L1693662-11 GW

Collected by
Chelsea Parra

Collected date/time
01/04/24 00:00

Received date/time
01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2202723	1	01/07/24 18:38	01/07/24 18:38	JHH	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

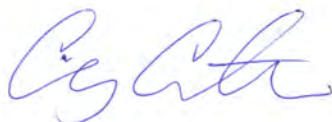
⁷Gl

⁸Al

⁹Sc

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.9		1	01/08/2024 12:30	WG2202796

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.19	1	01/08/2024 23:39	WG2202753

Mercury by Method 7471B

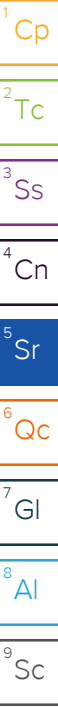
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0477	1	01/06/2024 20:16	WG2202230

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.57	5	01/24/2024 11:01	WG2202530
Arsenic	3.35		1.19	5	01/24/2024 11:01	WG2202530
Barium	99.8		2.98	5	01/24/2024 11:01	WG2202530
Beryllium	ND		2.98	5	01/24/2024 11:01	WG2202530
Cadmium	ND		1.19	5	01/24/2024 11:01	WG2202530
Chromium	38.9		5.96	5	01/24/2024 11:01	WG2202530
Cobalt	12.9		1.19	5	01/24/2024 11:01	WG2202530
Copper	23.8		5.96	5	01/24/2024 11:01	WG2202530
Lead	60.0		2.38	5	01/24/2024 11:01	WG2202530
Manganese	679		2.98	5	01/24/2024 11:01	WG2202530
Nickel	22.5		2.98	5	01/24/2024 11:01	WG2202530
Selenium	ND		2.98	5	01/24/2024 11:01	WG2202530
Silver	0.649		0.596	5	01/24/2024 11:01	WG2202530
Thallium	ND		2.38	5	01/24/2024 11:01	WG2202530
Vanadium	49.2		2.98	5	01/24/2024 11:01	WG2202530
Zinc	69.3		29.8	5	01/24/2024 11:01	WG2202530

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0799	1.18	01/10/2024 16:45	WG2204539
Acrylonitrile	ND		0.0199	1.18	01/10/2024 16:45	WG2204539
Benzene	ND		0.00160	1.18	01/10/2024 16:45	WG2204539
Bromobenzene	ND		0.0199	1.18	01/10/2024 16:45	WG2204539
Bromodichloromethane	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
Bromoform	ND		0.0399	1.18	01/10/2024 16:45	WG2204539
Bromomethane	ND		0.0199	1.18	01/10/2024 16:45	WG2204539
n-Butylbenzene	ND		0.0199	1.18	01/10/2024 16:45	WG2204539
sec-Butylbenzene	ND		0.0199	1.18	01/10/2024 16:45	WG2204539
tert-Butylbenzene	ND		0.00799	1.18	01/10/2024 16:45	WG2204539
Carbon tetrachloride	ND		0.00799	1.18	01/10/2024 16:45	WG2204539
Chlorobenzene	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
Chlorodibromomethane	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
Chloroethane	ND		0.00799	1.18	01/10/2024 16:45	WG2204539
Chloroform	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
Chloromethane	ND		0.0199	1.18	01/10/2024 16:45	WG2204539
2-Chlorotoluene	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
4-Chlorotoluene	ND		0.00799	1.18	01/10/2024 16:45	WG2204539
1,2-Dibromo-3-Chloropropane	ND		0.0399	1.18	01/10/2024 16:45	WG2204539



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
Dibromomethane	ND		0.00799	1.18	01/10/2024 16:45	WG2204539
1,2-Dichlorobenzene	ND		0.00799	1.18	01/10/2024 16:45	WG2204539
1,3-Dichlorobenzene	ND		0.00799	1.18	01/10/2024 16:45	WG2204539
1,4-Dichlorobenzene	ND		0.00799	1.18	01/10/2024 16:45	WG2204539
Dichlorodifluoromethane	ND		0.00799	1.18	01/10/2024 16:45	WG2204539
1,1-Dichloroethane	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
1,2-Dichloroethane	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
1,1-Dichloroethene	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
cis-1,2-Dichloroethene	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
trans-1,2-Dichloroethene	ND		0.00799	1.18	01/10/2024 16:45	WG2204539
1,2-Dichloropropane	ND		0.00799	1.18	01/10/2024 16:45	WG2204539
1,1-Dichloropropene	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
1,3-Dichloropropane	ND		0.00799	1.18	01/10/2024 16:45	WG2204539
cis-1,3-Dichloropropene	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
trans-1,3-Dichloropropene	ND		0.00799	1.18	01/10/2024 16:45	WG2204539
2,2-Dichloropropane	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
Di-isopropyl ether	ND		0.00160	1.18	01/10/2024 16:45	WG2204539
Ethylbenzene	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
Hexachloro-1,3-butadiene	ND		0.0399	1.18	01/10/2024 16:45	WG2204539
Isopropylbenzene	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
p-Isopropyltoluene	0.169		0.00799	1.18	01/10/2024 16:45	WG2204539
2-Butanone (MEK)	ND		0.160	1.18	01/10/2024 16:45	WG2204539
Methylene Chloride	ND		0.0399	1.18	01/10/2024 16:45	WG2204539
4-Methyl-2-pentanone (MIBK)	ND		0.0399	1.18	01/10/2024 16:45	WG2204539
Methyl tert-butyl ether	ND		0.00160	1.18	01/10/2024 16:45	WG2204539
Naphthalene	ND		0.0199	1.18	01/10/2024 16:45	WG2204539
n-Propylbenzene	ND		0.00799	1.18	01/10/2024 16:45	WG2204539
Styrene	ND		0.0199	1.18	01/10/2024 16:45	WG2204539
1,1,1,2-Tetrachloroethane	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
1,1,2,2-Tetrachloroethane	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
Tetrachloroethene	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
Toluene	ND		0.00799	1.18	01/10/2024 16:45	WG2204539
1,2,3-Trichlorobenzene	ND		0.0199	1.18	01/10/2024 16:45	WG2204539
1,2,4-Trichlorobenzene	ND		0.0199	1.18	01/10/2024 16:45	WG2204539
1,1,1-Trichloroethane	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
1,1,2-Trichloroethane	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
Trichloroethene	ND		0.00160	1.18	01/10/2024 16:45	WG2204539
Trichlorofluoromethane	ND	C3	0.00399	1.18	01/10/2024 16:45	WG2204539
1,2,3-Trichloropropane	ND		0.0199	1.18	01/10/2024 16:45	WG2204539
1,2,4-Trimethylbenzene	ND		0.00799	1.18	01/10/2024 16:45	WG2204539
1,3,5-Trimethylbenzene	ND		0.00799	1.18	01/10/2024 16:45	WG2204539
Vinyl chloride	ND		0.00399	1.18	01/10/2024 16:45	WG2204539
Xylenes, Total	ND		0.0104	1.18	01/10/2024 16:45	WG2204539
(S) Toluene-d8	102		75.0-131		01/10/2024 16:45	WG2204539
(S) 4-Bromofluorobenzene	102		67.0-138		01/10/2024 16:45	WG2204539
(S) 1,2-Dichloroethane-d4	84.7		70.0-130		01/10/2024 16:45	WG2204539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0397	1	01/09/2024 00:36	WG2202492
Acenaphthylene	ND		0.0397	1	01/09/2024 00:36	WG2202492
Anthracene	ND		0.0397	1	01/09/2024 00:36	WG2202492
Benzidine	ND		1.99	1	01/09/2024 00:36	WG2202492
Benzo(a)anthracene	0.102		0.0397	1	01/09/2024 00:36	WG2202492

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.189		0.0397	1	01/09/2024 00:36	WG2202492
Benzo(k)fluoranthene	0.0597		0.0397	1	01/09/2024 00:36	WG2202492
Benzo(g,h,i)perylene	0.0449		0.0397	1	01/09/2024 00:36	WG2202492
Benzo(a)pyrene	0.117		0.0397	1	01/09/2024 00:36	WG2202492
Bis(2-chloroethoxy)methane	ND		0.397	1	01/09/2024 00:36	WG2202492
Bis(2-chloroethyl)ether	ND		0.397	1	01/09/2024 00:36	WG2202492
2,2-Oxybis(1-Chloropropane)	ND		0.397	1	01/09/2024 00:36	WG2202492
4-Bromophenyl-phenylether	ND		0.397	1	01/09/2024 00:36	WG2202492
2-Chloronaphthalene	ND		0.0397	1	01/09/2024 00:36	WG2202492
4-Chlorophenyl-phenylether	ND		0.397	1	01/09/2024 00:36	WG2202492
Chrysene	0.0920		0.0397	1	01/09/2024 00:36	WG2202492
Dibenz(a,h)anthracene	ND		0.0397	1	01/09/2024 00:36	WG2202492
3,3-Dichlorobenzidine	ND		0.397	1	01/09/2024 00:36	WG2202492
2,4-Dinitrotoluene	ND		0.397	1	01/09/2024 00:36	WG2202492
2,6-Dinitrotoluene	ND		0.397	1	01/09/2024 00:36	WG2202492
Fluoranthene	0.193		0.0397	1	01/09/2024 00:36	WG2202492
Fluorene	ND		0.0397	1	01/09/2024 00:36	WG2202492
Hexachlorobenzene	ND		0.397	1	01/09/2024 00:36	WG2202492
Hexachloro-1,3-butadiene	ND		0.397	1	01/09/2024 00:36	WG2202492
Hexachlorocyclopentadiene	ND		0.397	1	01/09/2024 00:36	WG2202492
Hexachloroethane	ND		0.397	1	01/09/2024 00:36	WG2202492
Indeno(1,2,3-cd)pyrene	0.0533		0.0397	1	01/09/2024 00:36	WG2202492
Isophorone	ND		0.397	1	01/09/2024 00:36	WG2202492
Naphthalene	ND		0.0397	1	01/09/2024 00:36	WG2202492
Nitrobenzene	ND		0.397	1	01/09/2024 00:36	WG2202492
n-Nitrosodimethylamine	ND		0.397	1	01/09/2024 00:36	WG2202492
n-Nitrosodiphenylamine	ND		0.397	1	01/09/2024 00:36	WG2202492
n-Nitrosodi-n-propylamine	ND		0.397	1	01/09/2024 00:36	WG2202492
Phenanthrene	0.107		0.0397	1	01/09/2024 00:36	WG2202492
Benzylbutyl phthalate	ND		0.397	1	01/09/2024 00:36	WG2202492
Bis(2-ethylhexyl)phthalate	ND		0.397	1	01/09/2024 00:36	WG2202492
Di-n-butyl phthalate	ND		0.397	1	01/09/2024 00:36	WG2202492
Diethyl phthalate	ND		0.397	1	01/09/2024 00:36	WG2202492
Dimethyl phthalate	ND		0.397	1	01/09/2024 00:36	WG2202492
Di-n-octyl phthalate	ND		0.397	1	01/09/2024 00:36	WG2202492
Pyrene	0.224		0.0397	1	01/09/2024 00:36	WG2202492
1,2,4-Trichlorobenzene	ND		0.397	1	01/09/2024 00:36	WG2202492
4-Chloro-3-methylphenol	ND		0.397	1	01/09/2024 00:36	WG2202492
2-Chlorophenol	ND		0.397	1	01/09/2024 00:36	WG2202492
2,4-Dichlorophenol	ND		0.397	1	01/09/2024 00:36	WG2202492
2,4-Dimethylphenol	ND		0.397	1	01/09/2024 00:36	WG2202492
4,6-Dinitro-2-methylphenol	ND		0.397	1	01/09/2024 00:36	WG2202492
2,4-Dinitrophenol	ND		0.397	1	01/09/2024 00:36	WG2202492
2-Nitrophenol	ND		0.397	1	01/09/2024 00:36	WG2202492
4-Nitrophenol	ND		0.397	1	01/09/2024 00:36	WG2202492
Pentachlorophenol	ND		0.397	1	01/09/2024 00:36	WG2202492
Phenol	ND		0.397	1	01/09/2024 00:36	WG2202492
2,4,6-Trichlorophenol	ND		0.397	1	01/09/2024 00:36	WG2202492
(S) 2-Fluorophenol	50.0		12.0-120		01/09/2024 00:36	WG2202492
(S) Phenol-d5	46.5		10.0-120		01/09/2024 00:36	WG2202492
(S) Nitrobenzene-d5	47.1		10.0-122		01/09/2024 00:36	WG2202492
(S) 2-Fluorobiphenyl	41.3		15.0-120		01/09/2024 00:36	WG2202492
(S) 2,4,6-Tribromophenol	46.6		10.0-127		01/09/2024 00:36	WG2202492
(S) p-Terphenyl-d14	57.8		10.0-120		01/09/2024 00:36	WG2202492

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.9		1	01/08/2024 12:30	WG2202796

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.24	1	01/08/2024 23:52	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0698		0.0494	1	01/06/2024 21:32	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.71	5	01/24/2024 18:22	WG2202529
Arsenic	4.47		1.24	5	01/24/2024 18:22	WG2202529
Barium	112		3.09	5	01/24/2024 18:22	WG2202529
Beryllium	ND		3.09	5	01/24/2024 18:22	WG2202529
Cadmium	ND		1.24	5	01/24/2024 18:22	WG2202529
Chromium	54.0		6.18	5	01/24/2024 18:22	WG2202529
Cobalt	15.4		1.24	5	01/24/2024 18:22	WG2202529
Copper	29.1		6.18	5	01/24/2024 18:22	WG2202529
Lead	41.9		2.47	5	01/24/2024 18:22	WG2202529
Manganese	659		3.09	5	01/24/2024 18:22	WG2202529
Nickel	25.8		3.09	5	01/24/2024 18:22	WG2202529
Selenium	ND		3.09	5	01/24/2024 18:22	WG2202529
Silver	ND		0.618	5	01/24/2024 18:22	WG2202529
Thallium	ND		2.47	5	01/24/2024 18:22	WG2202529
Vanadium	60.5		3.09	5	01/24/2024 18:22	WG2202529
Zinc	65.7		30.9	5	01/24/2024 18:22	WG2202529

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0743	1	01/10/2024 17:05	WG2204539
Acrylonitrile	ND		0.0186	1	01/10/2024 17:05	WG2204539
Benzene	ND		0.00149	1	01/10/2024 17:05	WG2204539
Bromobenzene	ND		0.0186	1	01/10/2024 17:05	WG2204539
Bromodichloromethane	ND		0.00371	1	01/10/2024 17:05	WG2204539
Bromoform	ND		0.0371	1	01/10/2024 17:05	WG2204539
Bromomethane	ND		0.0186	1	01/10/2024 17:05	WG2204539
n-Butylbenzene	ND		0.0186	1	01/10/2024 17:05	WG2204539
sec-Butylbenzene	ND		0.0186	1	01/10/2024 17:05	WG2204539
tert-Butylbenzene	ND		0.00743	1	01/10/2024 17:05	WG2204539
Carbon tetrachloride	ND		0.00743	1	01/10/2024 17:05	WG2204539
Chlorobenzene	ND		0.00371	1	01/10/2024 17:05	WG2204539
Chlorodibromomethane	ND		0.00371	1	01/10/2024 17:05	WG2204539
Chloroethane	ND		0.00743	1	01/10/2024 17:05	WG2204539
Chloroform	ND		0.00371	1	01/10/2024 17:05	WG2204539
Chloromethane	ND		0.0186	1	01/10/2024 17:05	WG2204539
2-Chlorotoluene	ND		0.00371	1	01/10/2024 17:05	WG2204539
4-Chlorotoluene	ND		0.00743	1	01/10/2024 17:05	WG2204539
1,2-Dibromo-3-Chloropropane	ND		0.0371	1	01/10/2024 17:05	WG2204539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00371	1	01/10/2024 17:05	WG2204539
Dibromomethane	ND		0.00743	1	01/10/2024 17:05	WG2204539
1,2-Dichlorobenzene	ND		0.00743	1	01/10/2024 17:05	WG2204539
1,3-Dichlorobenzene	ND		0.00743	1	01/10/2024 17:05	WG2204539
1,4-Dichlorobenzene	ND		0.00743	1	01/10/2024 17:05	WG2204539
Dichlorodifluoromethane	ND		0.00743	1	01/10/2024 17:05	WG2204539
1,1-Dichloroethane	ND		0.00371	1	01/10/2024 17:05	WG2204539
1,2-Dichloroethane	ND		0.00371	1	01/10/2024 17:05	WG2204539
1,1-Dichloroethene	ND		0.00371	1	01/10/2024 17:05	WG2204539
cis-1,2-Dichloroethene	ND		0.00371	1	01/10/2024 17:05	WG2204539
trans-1,2-Dichloroethene	ND		0.00743	1	01/10/2024 17:05	WG2204539
1,2-Dichloropropane	ND		0.00743	1	01/10/2024 17:05	WG2204539
1,1-Dichloropropene	ND		0.00371	1	01/10/2024 17:05	WG2204539
1,3-Dichloropropane	ND		0.00743	1	01/10/2024 17:05	WG2204539
cis-1,3-Dichloropropene	ND		0.00371	1	01/10/2024 17:05	WG2204539
trans-1,3-Dichloropropene	ND		0.00743	1	01/10/2024 17:05	WG2204539
2,2-Dichloropropane	ND		0.00371	1	01/10/2024 17:05	WG2204539
Di-isopropyl ether	ND		0.00149	1	01/10/2024 17:05	WG2204539
Ethylbenzene	ND		0.00371	1	01/10/2024 17:05	WG2204539
Hexachloro-1,3-butadiene	ND		0.0371	1	01/10/2024 17:05	WG2204539
Isopropylbenzene	ND		0.00371	1	01/10/2024 17:05	WG2204539
p-Isopropyltoluene	ND		0.00743	1	01/10/2024 17:05	WG2204539
2-Butanone (MEK)	ND		0.149	1	01/10/2024 17:05	WG2204539
Methylene Chloride	ND		0.0371	1	01/10/2024 17:05	WG2204539
4-Methyl-2-pentanone (MIBK)	ND		0.0371	1	01/10/2024 17:05	WG2204539
Methyl tert-butyl ether	ND		0.00149	1	01/10/2024 17:05	WG2204539
Naphthalene	ND		0.0186	1	01/10/2024 17:05	WG2204539
n-Propylbenzene	ND		0.00743	1	01/10/2024 17:05	WG2204539
Styrene	ND		0.0186	1	01/10/2024 17:05	WG2204539
1,1,1,2-Tetrachloroethane	ND		0.00371	1	01/10/2024 17:05	WG2204539
1,1,2,2-Tetrachloroethane	ND		0.00371	1	01/10/2024 17:05	WG2204539
Tetrachloroethene	ND		0.00371	1	01/10/2024 17:05	WG2204539
Toluene	ND		0.00743	1	01/10/2024 17:05	WG2204539
1,2,3-Trichlorobenzene	ND		0.0186	1	01/10/2024 17:05	WG2204539
1,2,4-Trichlorobenzene	ND		0.0186	1	01/10/2024 17:05	WG2204539
1,1,1-Trichloroethane	ND		0.00371	1	01/10/2024 17:05	WG2204539
1,1,2-Trichloroethane	ND		0.00371	1	01/10/2024 17:05	WG2204539
Trichloroethene	ND		0.00149	1	01/10/2024 17:05	WG2204539
Trichlorofluoromethane	ND	C3	0.00371	1	01/10/2024 17:05	WG2204539
1,2,3-Trichloropropane	ND		0.0186	1	01/10/2024 17:05	WG2204539
1,2,4-Trimethylbenzene	ND		0.00743	1	01/10/2024 17:05	WG2204539
1,3,5-Trimethylbenzene	ND		0.00743	1	01/10/2024 17:05	WG2204539
Vinyl chloride	ND		0.00371	1	01/10/2024 17:05	WG2204539
Xylenes, Total	ND		0.00965	1	01/10/2024 17:05	WG2204539
(S) Toluene-d8	103		75.0-131		01/10/2024 17:05	WG2204539
(S) 4-Bromofluorobenzene	100		67.0-138		01/10/2024 17:05	WG2204539
(S) 1,2-Dichloroethane-d4	89.4		70.0-130		01/10/2024 17:05	WG2204539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0412	1	01/08/2024 22:08	WG2202492
Acenaphthylene	ND		0.0412	1	01/08/2024 22:08	WG2202492
Anthracene	ND		0.0412	1	01/08/2024 22:08	WG2202492
Benzidine	ND		2.06	1	01/08/2024 22:08	WG2202492
Benzo(a)anthracene	0.0771		0.0412	1	01/08/2024 22:08	WG2202492

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.118		0.0412	1	01/08/2024 22:08	WG2202492
Benzo(k)fluoranthene	ND		0.0412	1	01/08/2024 22:08	WG2202492
Benzo(g,h,i)perylene	0.0640		0.0412	1	01/08/2024 22:08	WG2202492
Benzo(a)pyrene	0.0860		0.0412	1	01/08/2024 22:08	WG2202492
Bis(2-chloroethoxy)methane	ND		0.412	1	01/08/2024 22:08	WG2202492
Bis(2-chloroethyl)ether	ND		0.412	1	01/08/2024 22:08	WG2202492
2,2-Oxybis(1-Chloropropane)	ND		0.412	1	01/08/2024 22:08	WG2202492
4-Bromophenyl-phenylether	ND		0.412	1	01/08/2024 22:08	WG2202492
2-Chloronaphthalene	ND		0.0412	1	01/08/2024 22:08	WG2202492
4-Chlorophenyl-phenylether	ND		0.412	1	01/08/2024 22:08	WG2202492
Chrysene	0.0698		0.0412	1	01/08/2024 22:08	WG2202492
Dibenz(a,h)anthracene	ND		0.0412	1	01/08/2024 22:08	WG2202492
3,3-Dichlorobenzidine	ND		0.412	1	01/08/2024 22:08	WG2202492
2,4-Dinitrotoluene	ND		0.412	1	01/08/2024 22:08	WG2202492
2,6-Dinitrotoluene	ND		0.412	1	01/08/2024 22:08	WG2202492
Fluoranthene	0.168		0.0412	1	01/08/2024 22:08	WG2202492
Fluorene	ND		0.0412	1	01/08/2024 22:08	WG2202492
Hexachlorobenzene	ND		0.412	1	01/08/2024 22:08	WG2202492
Hexachloro-1,3-butadiene	ND		0.412	1	01/08/2024 22:08	WG2202492
Hexachlorocyclopentadiene	ND		0.412	1	01/08/2024 22:08	WG2202492
Hexachloroethane	ND		0.412	1	01/08/2024 22:08	WG2202492
Indeno(1,2,3-cd)pyrene	0.0620		0.0412	1	01/08/2024 22:08	WG2202492
Isophorone	ND		0.412	1	01/08/2024 22:08	WG2202492
Naphthalene	ND		0.0412	1	01/08/2024 22:08	WG2202492
Nitrobenzene	ND		0.412	1	01/08/2024 22:08	WG2202492
n-Nitrosodimethylamine	ND		0.412	1	01/08/2024 22:08	WG2202492
n-Nitrosodiphenylamine	ND		0.412	1	01/08/2024 22:08	WG2202492
n-Nitrosodi-n-propylamine	ND		0.412	1	01/08/2024 22:08	WG2202492
Phenanthrene	0.0771		0.0412	1	01/08/2024 22:08	WG2202492
Benzylbutyl phthalate	ND		0.412	1	01/08/2024 22:08	WG2202492
Bis(2-ethylhexyl)phthalate	ND		0.412	1	01/08/2024 22:08	WG2202492
Di-n-butyl phthalate	ND		0.412	1	01/08/2024 22:08	WG2202492
Diethyl phthalate	ND		0.412	1	01/08/2024 22:08	WG2202492
Dimethyl phthalate	ND		0.412	1	01/08/2024 22:08	WG2202492
Di-n-octyl phthalate	ND		0.412	1	01/08/2024 22:08	WG2202492
Pyrene	0.185		0.0412	1	01/08/2024 22:08	WG2202492
1,2,4-Trichlorobenzene	ND		0.412	1	01/08/2024 22:08	WG2202492
4-Chloro-3-methylphenol	ND		0.412	1	01/08/2024 22:08	WG2202492
2-Chlorophenol	ND		0.412	1	01/08/2024 22:08	WG2202492
2,4-Dichlorophenol	ND		0.412	1	01/08/2024 22:08	WG2202492
2,4-Dimethylphenol	ND		0.412	1	01/08/2024 22:08	WG2202492
4,6-Dinitro-2-methylphenol	ND		0.412	1	01/08/2024 22:08	WG2202492
2,4-Dinitrophenol	ND		0.412	1	01/08/2024 22:08	WG2202492
2-Nitrophenol	ND		0.412	1	01/08/2024 22:08	WG2202492
4-Nitrophenol	ND		0.412	1	01/08/2024 22:08	WG2202492
Pentachlorophenol	ND		0.412	1	01/08/2024 22:08	WG2202492
Phenol	ND		0.412	1	01/08/2024 22:08	WG2202492
2,4,6-Trichlorophenol	ND		0.412	1	01/08/2024 22:08	WG2202492
(S) 2-Fluorophenol	49.1		12.0-120		01/08/2024 22:08	WG2202492
(S) Phenol-d5	52.6		10.0-120		01/08/2024 22:08	WG2202492
(S) Nitrobenzene-d5	53.8		10.0-122		01/08/2024 22:08	WG2202492
(S) 2-Fluorobiphenyl	52.0		15.0-120		01/08/2024 22:08	WG2202492
(S) 2,4,6-Tribromophenol	49.5		10.0-127		01/08/2024 22:08	WG2202492
(S) p-Terphenyl-d14	68.0		10.0-120		01/08/2024 22:08	WG2202492

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.2		1	01/08/2024 12:30	WG2202796

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.23	1	01/08/2024 23:58	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.148		0.0493	1	01/06/2024 21:34	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.70	5	01/24/2024 18:25	WG2202529
Arsenic	3.71		1.23	5	01/24/2024 18:25	WG2202529
Barium	149		3.08	5	01/24/2024 18:25	WG2202529
Beryllium	ND		3.08	5	01/24/2024 18:25	WG2202529
Cadmium	ND		1.23	5	01/24/2024 18:25	WG2202529
Chromium	33.8		6.16	5	01/24/2024 18:25	WG2202529
Cobalt	11.8		1.23	5	01/24/2024 18:25	WG2202529
Copper	55.8		6.16	5	01/24/2024 18:25	WG2202529
Lead	161		2.46	5	01/24/2024 18:25	WG2202529
Manganese	660		3.08	5	01/24/2024 18:25	WG2202529
Nickel	20.3		3.08	5	01/24/2024 18:25	WG2202529
Selenium	ND		3.08	5	01/24/2024 18:25	WG2202529
Silver	1.26		0.616	5	01/24/2024 18:25	WG2202529
Thallium	ND		2.46	5	01/24/2024 18:25	WG2202529
Vanadium	37.8		3.08	5	01/24/2024 18:25	WG2202529
Zinc	175		30.8	5	01/24/2024 18:25	WG2202529

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0740	1	01/10/2024 17:25	WG2204539
Acrylonitrile	ND		0.0185	1	01/10/2024 17:25	WG2204539
Benzene	ND		0.00148	1	01/10/2024 17:25	WG2204539
Bromobenzene	ND		0.0185	1	01/10/2024 17:25	WG2204539
Bromodichloromethane	ND		0.00370	1	01/10/2024 17:25	WG2204539
Bromoform	ND		0.0370	1	01/10/2024 17:25	WG2204539
Bromomethane	ND		0.0185	1	01/10/2024 17:25	WG2204539
n-Butylbenzene	ND		0.0185	1	01/10/2024 17:25	WG2204539
sec-Butylbenzene	ND		0.0185	1	01/10/2024 17:25	WG2204539
tert-Butylbenzene	ND		0.00740	1	01/10/2024 17:25	WG2204539
Carbon tetrachloride	ND		0.00740	1	01/10/2024 17:25	WG2204539
Chlorobenzene	ND		0.00370	1	01/10/2024 17:25	WG2204539
Chlorodibromomethane	ND		0.00370	1	01/10/2024 17:25	WG2204539
Chloroethane	ND		0.00740	1	01/10/2024 17:25	WG2204539
Chloroform	ND		0.00370	1	01/10/2024 17:25	WG2204539
Chloromethane	ND		0.0185	1	01/10/2024 17:25	WG2204539
2-Chlorotoluene	ND		0.00370	1	01/10/2024 17:25	WG2204539
4-Chlorotoluene	ND		0.00740	1	01/10/2024 17:25	WG2204539
1,2-Dibromo-3-Chloropropane	ND		0.0370	1	01/10/2024 17:25	WG2204539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00370	1	01/10/2024 17:25	WG2204539
Dibromomethane	ND		0.00740	1	01/10/2024 17:25	WG2204539
1,2-Dichlorobenzene	ND		0.00740	1	01/10/2024 17:25	WG2204539
1,3-Dichlorobenzene	ND		0.00740	1	01/10/2024 17:25	WG2204539
1,4-Dichlorobenzene	ND		0.00740	1	01/10/2024 17:25	WG2204539
Dichlorodifluoromethane	ND		0.00740	1	01/10/2024 17:25	WG2204539
1,1-Dichloroethane	ND		0.00370	1	01/10/2024 17:25	WG2204539
1,2-Dichloroethane	ND		0.00370	1	01/10/2024 17:25	WG2204539
1,1-Dichloroethene	ND		0.00370	1	01/10/2024 17:25	WG2204539
cis-1,2-Dichloroethene	ND		0.00370	1	01/10/2024 17:25	WG2204539
trans-1,2-Dichloroethene	ND		0.00740	1	01/10/2024 17:25	WG2204539
1,2-Dichloropropane	ND		0.00740	1	01/10/2024 17:25	WG2204539
1,1-Dichloropropene	ND		0.00370	1	01/10/2024 17:25	WG2204539
1,3-Dichloropropane	ND		0.00740	1	01/10/2024 17:25	WG2204539
cis-1,3-Dichloropropene	ND		0.00370	1	01/10/2024 17:25	WG2204539
trans-1,3-Dichloropropene	ND		0.00740	1	01/10/2024 17:25	WG2204539
2,2-Dichloropropane	ND		0.00370	1	01/10/2024 17:25	WG2204539
Di-isopropyl ether	ND		0.00148	1	01/10/2024 17:25	WG2204539
Ethylbenzene	ND		0.00370	1	01/10/2024 17:25	WG2204539
Hexachloro-1,3-butadiene	ND		0.0370	1	01/10/2024 17:25	WG2204539
Isopropylbenzene	ND		0.00370	1	01/10/2024 17:25	WG2204539
p-Isopropyltoluene	ND		0.00740	1	01/10/2024 17:25	WG2204539
2-Butanone (MEK)	ND		0.148	1	01/10/2024 17:25	WG2204539
Methylene Chloride	ND		0.0370	1	01/10/2024 17:25	WG2204539
4-Methyl-2-pentanone (MIBK)	ND		0.0370	1	01/10/2024 17:25	WG2204539
Methyl tert-butyl ether	ND		0.00148	1	01/10/2024 17:25	WG2204539
Naphthalene	ND		0.0185	1	01/10/2024 17:25	WG2204539
n-Propylbenzene	ND		0.00740	1	01/10/2024 17:25	WG2204539
Styrene	ND		0.0185	1	01/10/2024 17:25	WG2204539
1,1,1,2-Tetrachloroethane	ND		0.00370	1	01/10/2024 17:25	WG2204539
1,1,2,2-Tetrachloroethane	ND		0.00370	1	01/10/2024 17:25	WG2204539
Tetrachloroethene	ND		0.00370	1	01/10/2024 17:25	WG2204539
Toluene	ND		0.00740	1	01/10/2024 17:25	WG2204539
1,2,3-Trichlorobenzene	ND		0.0185	1	01/10/2024 17:25	WG2204539
1,2,4-Trichlorobenzene	ND		0.0185	1	01/10/2024 17:25	WG2204539
1,1,1-Trichloroethane	ND		0.00370	1	01/10/2024 17:25	WG2204539
1,1,2-Trichloroethane	ND		0.00370	1	01/10/2024 17:25	WG2204539
Trichloroethene	ND		0.00148	1	01/10/2024 17:25	WG2204539
Trichlorofluoromethane	ND	C3	0.00370	1	01/10/2024 17:25	WG2204539
1,2,3-Trichloropropane	ND		0.0185	1	01/10/2024 17:25	WG2204539
1,2,4-Trimethylbenzene	ND		0.00740	1	01/10/2024 17:25	WG2204539
1,3,5-Trimethylbenzene	ND		0.00740	1	01/10/2024 17:25	WG2204539
Vinyl chloride	ND		0.00370	1	01/10/2024 17:25	WG2204539
Xylenes, Total	ND		0.00961	1	01/10/2024 17:25	WG2204539
(S) Toluene-d8	102		75.0-131		01/10/2024 17:25	WG2204539
(S) 4-Bromofluorobenzene	99.2		67.0-138		01/10/2024 17:25	WG2204539
(S) 1,2-Dichloroethane-d4	90.4		70.0-130		01/10/2024 17:25	WG2204539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0410	1	01/08/2024 22:32	WG2202492
Acenaphthylene	ND		0.0410	1	01/08/2024 22:32	WG2202492
Anthracene	ND		0.0410	1	01/08/2024 22:32	WG2202492
Benzidine	ND		2.06	1	01/08/2024 22:32	WG2202492
Benzo(a)anthracene	0.0747		0.0410	1	01/08/2024 22:32	WG2202492

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.105		0.0410	1	01/08/2024 22:32	WG2202492
Benzo(k)fluoranthene	ND		0.0410	1	01/08/2024 22:32	WG2202492
Benzo(g,h,i)perylene	0.0557		0.0410	1	01/08/2024 22:32	WG2202492
Benzo(a)pyrene	0.0797		0.0410	1	01/08/2024 22:32	WG2202492
Bis(2-chloroethoxy)methane	ND		0.410	1	01/08/2024 22:32	WG2202492
Bis(2-chloroethyl)ether	ND		0.410	1	01/08/2024 22:32	WG2202492
2,2-Oxybis(1-Chloropropane)	ND		0.410	1	01/08/2024 22:32	WG2202492
4-Bromophenyl-phenylether	ND		0.410	1	01/08/2024 22:32	WG2202492
2-Chloronaphthalene	ND		0.0410	1	01/08/2024 22:32	WG2202492
4-Chlorophenyl-phenylether	ND		0.410	1	01/08/2024 22:32	WG2202492
Chrysene	0.0691		0.0410	1	01/08/2024 22:32	WG2202492
Dibenz(a,h)anthracene	ND		0.0410	1	01/08/2024 22:32	WG2202492
3,3-Dichlorobenzidine	ND		0.410	1	01/08/2024 22:32	WG2202492
2,4-Dinitrotoluene	ND		0.410	1	01/08/2024 22:32	WG2202492
2,6-Dinitrotoluene	ND		0.410	1	01/08/2024 22:32	WG2202492
Fluoranthene	0.182		0.0410	1	01/08/2024 22:32	WG2202492
Fluorene	ND		0.0410	1	01/08/2024 22:32	WG2202492
Hexachlorobenzene	ND		0.410	1	01/08/2024 22:32	WG2202492
Hexachloro-1,3-butadiene	ND		0.410	1	01/08/2024 22:32	WG2202492
Hexachlorocyclopentadiene	ND		0.410	1	01/08/2024 22:32	WG2202492
Hexachloroethane	ND		0.410	1	01/08/2024 22:32	WG2202492
Indeno(1,2,3-cd)pyrene	0.0533		0.0410	1	01/08/2024 22:32	WG2202492
Isophorone	ND		0.410	1	01/08/2024 22:32	WG2202492
Naphthalene	ND		0.0410	1	01/08/2024 22:32	WG2202492
Nitrobenzene	ND		0.410	1	01/08/2024 22:32	WG2202492
n-Nitrosodimethylamine	ND		0.410	1	01/08/2024 22:32	WG2202492
n-Nitrosodiphenylamine	ND		0.410	1	01/08/2024 22:32	WG2202492
n-Nitrosodi-n-propylamine	ND		0.410	1	01/08/2024 22:32	WG2202492
Phenanthrene	0.0855		0.0410	1	01/08/2024 22:32	WG2202492
Benzylbutyl phthalate	ND		0.410	1	01/08/2024 22:32	WG2202492
Bis(2-ethylhexyl)phthalate	ND		0.410	1	01/08/2024 22:32	WG2202492
Di-n-butyl phthalate	ND		0.410	1	01/08/2024 22:32	WG2202492
Diethyl phthalate	ND		0.410	1	01/08/2024 22:32	WG2202492
Dimethyl phthalate	ND		0.410	1	01/08/2024 22:32	WG2202492
Di-n-octyl phthalate	ND		0.410	1	01/08/2024 22:32	WG2202492
Pyrene	0.153		0.0410	1	01/08/2024 22:32	WG2202492
1,2,4-Trichlorobenzene	ND		0.410	1	01/08/2024 22:32	WG2202492
4-Chloro-3-methylphenol	ND		0.410	1	01/08/2024 22:32	WG2202492
2-Chlorophenol	ND		0.410	1	01/08/2024 22:32	WG2202492
2,4-Dichlorophenol	ND		0.410	1	01/08/2024 22:32	WG2202492
2,4-Dimethylphenol	ND		0.410	1	01/08/2024 22:32	WG2202492
4,6-Dinitro-2-methylphenol	ND		0.410	1	01/08/2024 22:32	WG2202492
2,4-Dinitrophenol	ND		0.410	1	01/08/2024 22:32	WG2202492
2-Nitrophenol	ND		0.410	1	01/08/2024 22:32	WG2202492
4-Nitrophenol	ND		0.410	1	01/08/2024 22:32	WG2202492
Pentachlorophenol	ND		0.410	1	01/08/2024 22:32	WG2202492
Phenol	ND		0.410	1	01/08/2024 22:32	WG2202492
2,4,6-Trichlorophenol	ND		0.410	1	01/08/2024 22:32	WG2202492
(S) 2-Fluorophenol	46.2		12.0-120		01/08/2024 22:32	WG2202492
(S) Phenol-d5	47.9		10.0-120		01/08/2024 22:32	WG2202492
(S) Nitrobenzene-d5	52.0		10.0-122		01/08/2024 22:32	WG2202492
(S) 2-Fluorobiphenyl	45.9		15.0-120		01/08/2024 22:32	WG2202492
(S) 2,4,6-Tribromophenol	45.4		10.0-127		01/08/2024 22:32	WG2202492
(S) p-Terphenyl-d14	51.7		10.0-120		01/08/2024 22:32	WG2202492

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.7		1	01/08/2024 12:30	WG2202796

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND	J6	1.21	1	01/09/2024 00:04	WG2202753

Mercury by Method 7471B

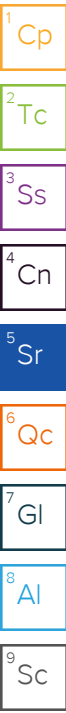
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0484	1	01/06/2024 21:37	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.63	5	01/24/2024 18:40	WG2202529
Arsenic	2.88		1.21	5	01/24/2024 18:40	WG2202529
Barium	70.4		3.02	5	01/24/2024 18:40	WG2202529
Beryllium	ND		3.02	5	01/24/2024 18:40	WG2202529
Cadmium	ND		1.21	5	01/24/2024 18:40	WG2202529
Chromium	25.5		6.05	5	01/24/2024 18:40	WG2202529
Cobalt	13.2		1.21	5	01/24/2024 18:40	WG2202529
Copper	22.8		6.05	5	01/24/2024 18:40	WG2202529
Lead	27.9		2.42	5	01/24/2024 18:40	WG2202529
Manganese	740		3.02	5	01/24/2024 18:40	WG2202529
Nickel	26.1		3.02	5	01/24/2024 18:40	WG2202529
Selenium	ND		3.02	5	01/24/2024 18:40	WG2202529
Silver	ND		0.605	5	01/24/2024 18:40	WG2202529
Thallium	ND		2.42	5	01/24/2024 18:40	WG2202529
Vanadium	40.6		3.02	5	01/24/2024 18:40	WG2202529
Zinc	56.9		30.2	5	01/24/2024 18:40	WG2202529

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	0.179		0.0830	1.2	01/10/2024 17:45	WG2204539
Acrylonitrile	ND		0.0208	1.2	01/10/2024 17:45	WG2204539
Benzene	ND		0.00166	1.2	01/10/2024 17:45	WG2204539
Bromobenzene	ND		0.0208	1.2	01/10/2024 17:45	WG2204539
Bromodichloromethane	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
Bromoform	ND		0.0415	1.2	01/10/2024 17:45	WG2204539
Bromomethane	ND		0.0208	1.2	01/10/2024 17:45	WG2204539
n-Butylbenzene	ND		0.0208	1.2	01/10/2024 17:45	WG2204539
sec-Butylbenzene	ND		0.0208	1.2	01/10/2024 17:45	WG2204539
tert-Butylbenzene	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
Carbon tetrachloride	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
Chlorobenzene	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
Chlorodibromomethane	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
Chloroethane	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
Chloroform	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
Chloromethane	ND		0.0208	1.2	01/10/2024 17:45	WG2204539
2-Chlorotoluene	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
4-Chlorotoluene	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
1,2-Dibromo-3-Chloropropane	ND		0.0415	1.2	01/10/2024 17:45	WG2204539



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
Dibromomethane	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
1,2-Dichlorobenzene	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
1,3-Dichlorobenzene	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
1,4-Dichlorobenzene	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
Dichlorodifluoromethane	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
1,1-Dichloroethane	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
1,2-Dichloroethane	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
1,1-Dichloroethene	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
cis-1,2-Dichloroethene	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
trans-1,2-Dichloroethene	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
1,2-Dichloropropane	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
1,1-Dichloropropene	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
1,3-Dichloropropane	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
cis-1,3-Dichloropropene	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
trans-1,3-Dichloropropene	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
2,2-Dichloropropane	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
Di-isopropyl ether	ND		0.00166	1.2	01/10/2024 17:45	WG2204539
Ethylbenzene	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
Hexachloro-1,3-butadiene	ND		0.0415	1.2	01/10/2024 17:45	WG2204539
Isopropylbenzene	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
p-Isopropyltoluene	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
2-Butanone (MEK)	ND		0.166	1.2	01/10/2024 17:45	WG2204539
Methylene Chloride	ND		0.0415	1.2	01/10/2024 17:45	WG2204539
4-Methyl-2-pentanone (MIBK)	ND		0.0415	1.2	01/10/2024 17:45	WG2204539
Methyl tert-butyl ether	ND		0.00166	1.2	01/10/2024 17:45	WG2204539
Naphthalene	ND		0.0208	1.2	01/10/2024 17:45	WG2204539
n-Propylbenzene	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
Styrene	ND		0.0208	1.2	01/10/2024 17:45	WG2204539
1,1,1,2-Tetrachloroethane	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
1,1,2,2-Tetrachloroethane	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
Tetrachloroethene	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
Toluene	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
1,2,3-Trichlorobenzene	ND		0.0208	1.2	01/10/2024 17:45	WG2204539
1,2,4-Trichlorobenzene	ND		0.0208	1.2	01/10/2024 17:45	WG2204539
1,1,1-Trichloroethane	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
1,1,2-Trichloroethane	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
Trichloroethene	ND		0.00166	1.2	01/10/2024 17:45	WG2204539
Trichlorofluoromethane	ND	C3	0.00415	1.2	01/10/2024 17:45	WG2204539
1,2,3-Trichloropropane	ND		0.0208	1.2	01/10/2024 17:45	WG2204539
1,2,4-Trimethylbenzene	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
1,3,5-Trimethylbenzene	ND		0.00830	1.2	01/10/2024 17:45	WG2204539
Vinyl chloride	ND		0.00415	1.2	01/10/2024 17:45	WG2204539
Xylenes, Total	ND		0.0108	1.2	01/10/2024 17:45	WG2204539
(S) Toluene-d8	103		75.0-131		01/10/2024 17:45	WG2204539
(S) 4-Bromofluorobenzene	96.4		67.0-138		01/10/2024 17:45	WG2204539
(S) 1,2-Dichloroethane-d4	92.4		70.0-130		01/10/2024 17:45	WG2204539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0403	1	01/09/2024 01:01	WG2202492
Acenaphthylene	ND		0.0403	1	01/09/2024 01:01	WG2202492
Anthracene	ND		0.0403	1	01/09/2024 01:01	WG2202492
Benzidine	ND		2.02	1	01/09/2024 01:01	WG2202492
Benzo(a)anthracene	0.0533		0.0403	1	01/09/2024 01:01	WG2202492

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0873		0.0403	1	01/09/2024 01:01	WG2202492
Benzo(k)fluoranthene	ND		0.0403	1	01/09/2024 01:01	WG2202492
Benzo(g,h,i)perylene	ND		0.0403	1	01/09/2024 01:01	WG2202492
Benzo(a)pyrene	0.0543		0.0403	1	01/09/2024 01:01	WG2202492
Bis(2-chlorethoxy)methane	ND		0.403	1	01/09/2024 01:01	WG2202492
Bis(2-chloroethyl)ether	ND		0.403	1	01/09/2024 01:01	WG2202492
2,2-Oxybis(1-Chloropropane)	ND		0.403	1	01/09/2024 01:01	WG2202492
4-Bromophenyl-phenylether	ND		0.403	1	01/09/2024 01:01	WG2202492
2-Chloronaphthalene	ND		0.0403	1	01/09/2024 01:01	WG2202492
4-Chlorophenyl-phenylether	ND		0.403	1	01/09/2024 01:01	WG2202492
Chrysene	0.0564		0.0403	1	01/09/2024 01:01	WG2202492
Dibenz(a,h)anthracene	ND		0.0403	1	01/09/2024 01:01	WG2202492
3,3-Dichlorobenzidine	ND		0.403	1	01/09/2024 01:01	WG2202492
2,4-Dinitrotoluene	ND		0.403	1	01/09/2024 01:01	WG2202492
2,6-Dinitrotoluene	ND		0.403	1	01/09/2024 01:01	WG2202492
Fluoranthene	0.121		0.0403	1	01/09/2024 01:01	WG2202492
Fluorene	ND		0.0403	1	01/09/2024 01:01	WG2202492
Hexachlorobenzene	ND		0.403	1	01/09/2024 01:01	WG2202492
Hexachloro-1,3-butadiene	ND		0.403	1	01/09/2024 01:01	WG2202492
Hexachlorocyclopentadiene	ND		0.403	1	01/09/2024 01:01	WG2202492
Hexachloroethane	ND		0.403	1	01/09/2024 01:01	WG2202492
Indeno(1,2,3-cd)pyrene	ND		0.0403	1	01/09/2024 01:01	WG2202492
Isophorone	ND		0.403	1	01/09/2024 01:01	WG2202492
Naphthalene	ND		0.0403	1	01/09/2024 01:01	WG2202492
Nitrobenzene	ND		0.403	1	01/09/2024 01:01	WG2202492
n-Nitrosodimethylamine	ND		0.403	1	01/09/2024 01:01	WG2202492
n-Nitrosodiphenylamine	ND		0.403	1	01/09/2024 01:01	WG2202492
n-Nitrosodi-n-propylamine	ND		0.403	1	01/09/2024 01:01	WG2202492
Phenanthrene	0.0785		0.0403	1	01/09/2024 01:01	WG2202492
Benzylbutyl phthalate	ND		0.403	1	01/09/2024 01:01	WG2202492
Bis(2-ethylhexyl)phthalate	ND		0.403	1	01/09/2024 01:01	WG2202492
Di-n-butyl phthalate	ND		0.403	1	01/09/2024 01:01	WG2202492
Diethyl phthalate	ND		0.403	1	01/09/2024 01:01	WG2202492
Dimethyl phthalate	ND		0.403	1	01/09/2024 01:01	WG2202492
Di-n-octyl phthalate	ND		0.403	1	01/09/2024 01:01	WG2202492
Pyrene	0.131		0.0403	1	01/09/2024 01:01	WG2202492
1,2,4-Trichlorobenzene	ND		0.403	1	01/09/2024 01:01	WG2202492
4-Chloro-3-methylphenol	ND		0.403	1	01/09/2024 01:01	WG2202492
2-Chlorophenol	ND		0.403	1	01/09/2024 01:01	WG2202492
2,4-Dichlorophenol	ND		0.403	1	01/09/2024 01:01	WG2202492
2,4-Dimethylphenol	ND		0.403	1	01/09/2024 01:01	WG2202492
4,6-Dinitro-2-methylphenol	ND		0.403	1	01/09/2024 01:01	WG2202492
2,4-Dinitrophenol	ND		0.403	1	01/09/2024 01:01	WG2202492
2-Nitrophenol	ND		0.403	1	01/09/2024 01:01	WG2202492
4-Nitrophenol	ND		0.403	1	01/09/2024 01:01	WG2202492
Pentachlorophenol	ND		0.403	1	01/09/2024 01:01	WG2202492
Phenol	ND		0.403	1	01/09/2024 01:01	WG2202492
2,4,6-Trichlorophenol	ND		0.403	1	01/09/2024 01:01	WG2202492
(S) 2-Fluorophenol	45.6		12.0-120		01/09/2024 01:01	WG2202492
(S) Phenol-d5	45.3		10.0-120		01/09/2024 01:01	WG2202492
(S) Nitrobenzene-d5	43.8		10.0-122		01/09/2024 01:01	WG2202492
(S) 2-Fluorobiphenyl	45.6		15.0-120		01/09/2024 01:01	WG2202492
(S) 2,4,6-Tribromophenol	46.8		10.0-127		01/09/2024 01:01	WG2202492
(S) p-Terphenyl-d14	57.8		10.0-120		01/09/2024 01:01	WG2202492

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.5		1	01/08/2024 12:22	WG2202797

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.17	1	01/09/2024 00:47	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0468	1	01/06/2024 21:39	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.51	5	01/24/2024 18:44	WG2202529
Arsenic	1.54		1.17	5	01/24/2024 18:44	WG2202529
Barium	57.3		2.92	5	01/24/2024 18:44	WG2202529
Beryllium	ND		2.92	5	01/24/2024 18:44	WG2202529
Cadmium	ND		1.17	5	01/24/2024 18:44	WG2202529
Chromium	13.4		5.85	5	01/24/2024 18:44	WG2202529
Cobalt	6.24		1.17	5	01/24/2024 18:44	WG2202529
Copper	7.57		5.85	5	01/24/2024 18:44	WG2202529
Lead	19.6		2.34	5	01/24/2024 18:44	WG2202529
Manganese	516		2.92	5	01/24/2024 18:44	WG2202529
Nickel	8.80		2.92	5	01/24/2024 18:44	WG2202529
Selenium	ND		2.92	5	01/24/2024 18:44	WG2202529
Silver	ND		0.585	5	01/24/2024 18:44	WG2202529
Thallium	ND		2.34	5	01/24/2024 18:44	WG2202529
Vanadium	21.0		2.92	5	01/24/2024 18:44	WG2202529
Zinc	33.0		29.2	5	01/24/2024 18:44	WG2202529

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0676	1.01	01/10/2024 18:04	WG2204539
Acrylonitrile	ND		0.0169	1.01	01/10/2024 18:04	WG2204539
Benzene	ND		0.00135	1.01	01/10/2024 18:04	WG2204539
Bromobenzene	ND		0.0169	1.01	01/10/2024 18:04	WG2204539
Bromodichloromethane	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
Bromoform	ND		0.0339	1.01	01/10/2024 18:04	WG2204539
Bromomethane	ND		0.0169	1.01	01/10/2024 18:04	WG2204539
n-Butylbenzene	ND		0.0169	1.01	01/10/2024 18:04	WG2204539
sec-Butylbenzene	ND		0.0169	1.01	01/10/2024 18:04	WG2204539
tert-Butylbenzene	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
Carbon tetrachloride	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
Chlorobenzene	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
Chlorodibromomethane	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
Chloroethane	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
Chloroform	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
Chloromethane	ND		0.0169	1.01	01/10/2024 18:04	WG2204539
2-Chlorotoluene	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
4-Chlorotoluene	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
1,2-Dibromo-3-Chloropropane	ND		0.0339	1.01	01/10/2024 18:04	WG2204539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
Dibromomethane	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
1,2-Dichlorobenzene	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
1,3-Dichlorobenzene	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
1,4-Dichlorobenzene	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
Dichlorodifluoromethane	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
1,1-Dichloroethane	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
1,2-Dichloroethane	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
1,1-Dichloroethene	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
cis-1,2-Dichloroethene	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
trans-1,2-Dichloroethene	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
1,2-Dichloropropane	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
1,1-Dichloropropene	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
1,3-Dichloropropane	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
cis-1,3-Dichloropropene	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
trans-1,3-Dichloropropene	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
2,2-Dichloropropane	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
Di-isopropyl ether	ND		0.00135	1.01	01/10/2024 18:04	WG2204539
Ethylbenzene	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
Hexachloro-1,3-butadiene	ND		0.0339	1.01	01/10/2024 18:04	WG2204539
Isopropylbenzene	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
p-Isopropyltoluene	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
2-Butanone (MEK)	ND		0.135	1.01	01/10/2024 18:04	WG2204539
Methylene Chloride	ND		0.0339	1.01	01/10/2024 18:04	WG2204539
4-Methyl-2-pentanone (MIBK)	ND		0.0339	1.01	01/10/2024 18:04	WG2204539
Methyl tert-butyl ether	ND		0.00135	1.01	01/10/2024 18:04	WG2204539
Naphthalene	ND		0.0169	1.01	01/10/2024 18:04	WG2204539
n-Propylbenzene	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
Styrene	ND		0.0169	1.01	01/10/2024 18:04	WG2204539
1,1,1,2-Tetrachloroethane	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
1,1,2,2-Tetrachloroethane	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
Tetrachloroethene	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
Toluene	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
1,2,3-Trichlorobenzene	ND		0.0169	1.01	01/10/2024 18:04	WG2204539
1,2,4-Trichlorobenzene	ND		0.0169	1.01	01/10/2024 18:04	WG2204539
1,1,1-Trichloroethane	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
1,1,2-Trichloroethane	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
Trichloroethene	ND		0.00135	1.01	01/10/2024 18:04	WG2204539
Trichlorofluoromethane	ND	C3	0.00339	1.01	01/10/2024 18:04	WG2204539
1,2,3-Trichloropropane	ND		0.0169	1.01	01/10/2024 18:04	WG2204539
1,2,4-Trimethylbenzene	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
1,3,5-Trimethylbenzene	ND		0.00676	1.01	01/10/2024 18:04	WG2204539
Vinyl chloride	ND		0.00339	1.01	01/10/2024 18:04	WG2204539
Xylenes, Total	ND		0.00878	1.01	01/10/2024 18:04	WG2204539
(S) Toluene-d8	105		75.0-131		01/10/2024 18:04	WG2204539
(S) 4-Bromofluorobenzene	99.9		67.0-138		01/10/2024 18:04	WG2204539
(S) 1,2-Dichloroethane-d4	88.6		70.0-130		01/10/2024 18:04	WG2204539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0389	1	01/08/2024 15:33	WG2202493
Acenaphthylene	ND		0.0389	1	01/08/2024 15:33	WG2202493
Anthracene	ND		0.0389	1	01/08/2024 15:33	WG2202493
Benzidine	ND		1.95	1	01/08/2024 15:33	WG2202493
Benzo(a)anthracene	ND		0.0389	1	01/08/2024 15:33	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0389	1	01/08/2024 15:33	WG2202493
Benzo(k)fluoranthene	ND		0.0389	1	01/08/2024 15:33	WG2202493
Benzo(g,h,i)perylene	ND		0.0389	1	01/08/2024 15:33	WG2202493
Benzo(a)pyrene	ND		0.0389	1	01/08/2024 15:33	WG2202493
Bis(2-chloroethoxy)methane	ND		0.389	1	01/08/2024 15:33	WG2202493
Bis(2-chloroethyl)ether	ND		0.389	1	01/08/2024 15:33	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.389	1	01/08/2024 15:33	WG2202493
4-Bromophenyl-phenylether	ND		0.389	1	01/08/2024 15:33	WG2202493
2-Chloronaphthalene	ND		0.0389	1	01/08/2024 15:33	WG2202493
4-Chlorophenyl-phenylether	ND		0.389	1	01/08/2024 15:33	WG2202493
Chrysene	ND		0.0389	1	01/08/2024 15:33	WG2202493
Dibenz(a,h)anthracene	ND		0.0389	1	01/08/2024 15:33	WG2202493
3,3-Dichlorobenzidine	ND		0.389	1	01/08/2024 15:33	WG2202493
2,4-Dinitrotoluene	ND		0.389	1	01/08/2024 15:33	WG2202493
2,6-Dinitrotoluene	ND		0.389	1	01/08/2024 15:33	WG2202493
Fluoranthene	ND		0.0389	1	01/08/2024 15:33	WG2202493
Fluorene	ND		0.0389	1	01/08/2024 15:33	WG2202493
Hexachlorobenzene	ND		0.389	1	01/08/2024 15:33	WG2202493
Hexachloro-1,3-butadiene	ND		0.389	1	01/08/2024 15:33	WG2202493
Hexachlorocyclopentadiene	ND		0.389	1	01/08/2024 15:33	WG2202493
Hexachloroethane	ND		0.389	1	01/08/2024 15:33	WG2202493
Indeno(1,2,3-cd)pyrene	ND		0.0389	1	01/08/2024 15:33	WG2202493
Isophorone	ND		0.389	1	01/08/2024 15:33	WG2202493
Naphthalene	ND		0.0389	1	01/08/2024 15:33	WG2202493
Nitrobenzene	ND		0.389	1	01/08/2024 15:33	WG2202493
n-Nitrosodimethylamine	ND		0.389	1	01/08/2024 15:33	WG2202493
n-Nitrosodiphenylamine	ND		0.389	1	01/08/2024 15:33	WG2202493
n-Nitrosodi-n-propylamine	ND		0.389	1	01/08/2024 15:33	WG2202493
Phenanthrene	ND		0.0389	1	01/08/2024 15:33	WG2202493
Benzylbutyl phthalate	ND		0.389	1	01/08/2024 15:33	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.389	1	01/08/2024 15:33	WG2202493
Di-n-butyl phthalate	ND		0.389	1	01/08/2024 15:33	WG2202493
Diethyl phthalate	ND		0.389	1	01/08/2024 15:33	WG2202493
Dimethyl phthalate	ND		0.389	1	01/08/2024 15:33	WG2202493
Di-n-octyl phthalate	ND		0.389	1	01/08/2024 15:33	WG2202493
Pyrene	ND		0.0389	1	01/08/2024 15:33	WG2202493
1,2,4-Trichlorobenzene	ND		0.389	1	01/08/2024 15:33	WG2202493
4-Chloro-3-methylphenol	ND		0.389	1	01/08/2024 15:33	WG2202493
2-Chlorophenol	ND		0.389	1	01/08/2024 15:33	WG2202493
2,4-Dichlorophenol	ND		0.389	1	01/08/2024 15:33	WG2202493
2,4-Dimethylphenol	ND		0.389	1	01/08/2024 15:33	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.389	1	01/08/2024 15:33	WG2202493
2,4-Dinitrophenol	ND		0.389	1	01/08/2024 15:33	WG2202493
2-Nitrophenol	ND		0.389	1	01/08/2024 15:33	WG2202493
4-Nitrophenol	ND		0.389	1	01/08/2024 15:33	WG2202493
Pentachlorophenol	ND		0.389	1	01/08/2024 15:33	WG2202493
Phenol	ND		0.389	1	01/08/2024 15:33	WG2202493
2,4,6-Trichlorophenol	ND		0.389	1	01/08/2024 15:33	WG2202493
(S) 2-Fluorophenol	57.3		12.0-120		01/08/2024 15:33	WG2202493
(S) Phenol-d5	54.8		10.0-120		01/08/2024 15:33	WG2202493
(S) Nitrobenzene-d5	47.0		10.0-122		01/08/2024 15:33	WG2202493
(S) 2-Fluorobiphenyl	50.8		15.0-120		01/08/2024 15:33	WG2202493
(S) 2,4,6-Tribromophenol	57.3		10.0-127		01/08/2024 15:33	WG2202493
(S) p-Terphenyl-d14	57.6		10.0-120		01/08/2024 15:33	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	81.8		1	01/08/2024 12:22	WG2202797

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.22	1	01/09/2024 00:53	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	ND		0.0489	1	01/06/2024 21:42	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		3.67	5	01/24/2024 18:47	WG2202529
Arsenic	2.14		1.22	5	01/24/2024 18:47	WG2202529
Barium	85.4		3.05	5	01/24/2024 18:47	WG2202529
Beryllium	ND		3.05	5	01/24/2024 18:47	WG2202529
Cadmium	ND		1.22	5	01/24/2024 18:47	WG2202529
Chromium	32.7		6.11	5	01/24/2024 18:47	WG2202529
Cobalt	11.9		1.22	5	01/24/2024 18:47	WG2202529
Copper	16.1		6.11	5	01/24/2024 18:47	WG2202529
Lead	20.7		2.44	5	01/24/2024 18:47	WG2202529
Manganese	565		3.05	5	01/24/2024 18:47	WG2202529
Nickel	18.4		3.05	5	01/24/2024 18:47	WG2202529
Selenium	ND		3.05	5	01/24/2024 18:47	WG2202529
Silver	ND		0.611	5	01/24/2024 18:47	WG2202529
Thallium	ND		2.44	5	01/24/2024 18:47	WG2202529
Vanadium	54.6		3.05	5	01/24/2024 18:47	WG2202529
Zinc	37.2		30.5	5	01/24/2024 18:47	WG2202529

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND		0.0765	1.07	01/10/2024 18:24	WG2204539
Acrylonitrile	ND		0.0192	1.07	01/10/2024 18:24	WG2204539
Benzene	ND		0.00153	1.07	01/10/2024 18:24	WG2204539
Bromobenzene	ND		0.0192	1.07	01/10/2024 18:24	WG2204539
Bromodichloromethane	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
Bromoform	ND		0.0383	1.07	01/10/2024 18:24	WG2204539
Bromomethane	ND		0.0192	1.07	01/10/2024 18:24	WG2204539
n-Butylbenzene	ND		0.0192	1.07	01/10/2024 18:24	WG2204539
sec-Butylbenzene	ND		0.0192	1.07	01/10/2024 18:24	WG2204539
tert-Butylbenzene	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
Carbon tetrachloride	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
Chlorobenzene	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
Chlorodibromomethane	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
Chloroethane	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
Chloroform	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
Chloromethane	ND		0.0192	1.07	01/10/2024 18:24	WG2204539
2-Chlorotoluene	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
4-Chlorotoluene	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
1,2-Dibromo-3-Chloropropane	ND		0.0383	1.07	01/10/2024 18:24	WG2204539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
Dibromomethane	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
1,2-Dichlorobenzene	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
1,3-Dichlorobenzene	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
1,4-Dichlorobenzene	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
Dichlorodifluoromethane	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
1,1-Dichloroethane	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
1,2-Dichloroethane	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
1,1-Dichloroethene	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
cis-1,2-Dichloroethene	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
trans-1,2-Dichloroethene	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
1,2-Dichloropropane	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
1,1-Dichloropropene	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
1,3-Dichloropropane	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
cis-1,3-Dichloropropene	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
trans-1,3-Dichloropropene	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
2,2-Dichloropropane	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
Di-isopropyl ether	ND		0.00153	1.07	01/10/2024 18:24	WG2204539
Ethylbenzene	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
Hexachloro-1,3-butadiene	ND		0.0383	1.07	01/10/2024 18:24	WG2204539
Isopropylbenzene	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
p-Isopropyltoluene	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
2-Butanone (MEK)	ND		0.153	1.07	01/10/2024 18:24	WG2204539
Methylene Chloride	ND		0.0383	1.07	01/10/2024 18:24	WG2204539
4-Methyl-2-pentanone (MIBK)	ND		0.0383	1.07	01/10/2024 18:24	WG2204539
Methyl tert-butyl ether	ND		0.00153	1.07	01/10/2024 18:24	WG2204539
Naphthalene	0.0296		0.0192	1.07	01/10/2024 18:24	WG2204539
n-Propylbenzene	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
Styrene	ND		0.0192	1.07	01/10/2024 18:24	WG2204539
1,1,1,2-Tetrachloroethane	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
1,1,2,2-Tetrachloroethane	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
Tetrachloroethene	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
Toluene	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
1,2,3-Trichlorobenzene	ND		0.0192	1.07	01/10/2024 18:24	WG2204539
1,2,4-Trichlorobenzene	ND		0.0192	1.07	01/10/2024 18:24	WG2204539
1,1,1-Trichloroethane	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
1,1,2-Trichloroethane	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
Trichloroethene	ND		0.00153	1.07	01/10/2024 18:24	WG2204539
Trichlorofluoromethane	ND	C3	0.00383	1.07	01/10/2024 18:24	WG2204539
1,2,3-Trichloropropane	ND		0.0192	1.07	01/10/2024 18:24	WG2204539
1,2,4-Trimethylbenzene	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
1,3,5-Trimethylbenzene	ND		0.00765	1.07	01/10/2024 18:24	WG2204539
Vinyl chloride	ND		0.00383	1.07	01/10/2024 18:24	WG2204539
Xylenes, Total	ND		0.00995	1.07	01/10/2024 18:24	WG2204539
(S) Toluene-d8	102		75.0-131		01/10/2024 18:24	WG2204539
(S) 4-Bromofluorobenzene	98.2		67.0-138		01/10/2024 18:24	WG2204539
(S) 1,2-Dichloroethane-d4	91.1		70.0-130		01/10/2024 18:24	WG2204539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0407	1	01/08/2024 15:53	WG2202493
Acenaphthylene	ND		0.0407	1	01/08/2024 15:53	WG2202493
Anthracene	ND		0.0407	1	01/08/2024 15:53	WG2202493
Benzidine	ND		2.04	1	01/08/2024 15:53	WG2202493
Benzo(a)anthracene	0.0531		0.0407	1	01/08/2024 15:53	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0848		0.0407	1	01/08/2024 15:53	WG2202493
Benzo(k)fluoranthene	ND		0.0407	1	01/08/2024 15:53	WG2202493
Benzo(g,h,i)perylene	ND		0.0407	1	01/08/2024 15:53	WG2202493
Benzo(a)pyrene	0.0601		0.0407	1	01/08/2024 15:53	WG2202493
Bis(2-chlorethoxy)methane	ND		0.407	1	01/08/2024 15:53	WG2202493
Bis(2-chloroethyl)ether	ND		0.407	1	01/08/2024 15:53	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.407	1	01/08/2024 15:53	WG2202493
4-Bromophenyl-phenylether	ND		0.407	1	01/08/2024 15:53	WG2202493
2-Chloronaphthalene	ND		0.0407	1	01/08/2024 15:53	WG2202493
4-Chlorophenyl-phenylether	ND		0.407	1	01/08/2024 15:53	WG2202493
Chrysene	0.0531		0.0407	1	01/08/2024 15:53	WG2202493
Dibenz(a,h)anthracene	ND		0.0407	1	01/08/2024 15:53	WG2202493
3,3-Dichlorobenzidine	ND		0.407	1	01/08/2024 15:53	WG2202493
2,4-Dinitrotoluene	ND		0.407	1	01/08/2024 15:53	WG2202493
2,6-Dinitrotoluene	ND		0.407	1	01/08/2024 15:53	WG2202493
Fluoranthene	0.123		0.0407	1	01/08/2024 15:53	WG2202493
Fluorene	ND		0.0407	1	01/08/2024 15:53	WG2202493
Hexachlorobenzene	ND		0.407	1	01/08/2024 15:53	WG2202493
Hexachloro-1,3-butadiene	ND		0.407	1	01/08/2024 15:53	WG2202493
Hexachlorocyclopentadiene	ND		0.407	1	01/08/2024 15:53	WG2202493
Hexachloroethane	ND		0.407	1	01/08/2024 15:53	WG2202493
Indeno(1,2,3-cd)pyrene	ND		0.0407	1	01/08/2024 15:53	WG2202493
Isophorone	ND		0.407	1	01/08/2024 15:53	WG2202493
Naphthalene	ND		0.0407	1	01/08/2024 15:53	WG2202493
Nitrobenzene	ND		0.407	1	01/08/2024 15:53	WG2202493
n-Nitrosodimethylamine	ND		0.407	1	01/08/2024 15:53	WG2202493
n-Nitrosodiphenylamine	ND		0.407	1	01/08/2024 15:53	WG2202493
n-Nitrosodi-n-propylamine	ND		0.407	1	01/08/2024 15:53	WG2202493
Phenanthrene	0.0640		0.0407	1	01/08/2024 15:53	WG2202493
Benzylbutyl phthalate	ND		0.407	1	01/08/2024 15:53	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.407	1	01/08/2024 15:53	WG2202493
Di-n-butyl phthalate	ND		0.407	1	01/08/2024 15:53	WG2202493
Diethyl phthalate	ND		0.407	1	01/08/2024 15:53	WG2202493
Dimethyl phthalate	ND		0.407	1	01/08/2024 15:53	WG2202493
Di-n-octyl phthalate	ND		0.407	1	01/08/2024 15:53	WG2202493
Pyrene	0.108		0.0407	1	01/08/2024 15:53	WG2202493
1,2,4-Trichlorobenzene	ND		0.407	1	01/08/2024 15:53	WG2202493
4-Chloro-3-methylphenol	ND		0.407	1	01/08/2024 15:53	WG2202493
2-Chlorophenol	ND		0.407	1	01/08/2024 15:53	WG2202493
2,4-Dichlorophenol	ND		0.407	1	01/08/2024 15:53	WG2202493
2,4-Dimethylphenol	ND		0.407	1	01/08/2024 15:53	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.407	1	01/08/2024 15:53	WG2202493
2,4-Dinitrophenol	ND		0.407	1	01/08/2024 15:53	WG2202493
2-Nitrophenol	ND		0.407	1	01/08/2024 15:53	WG2202493
4-Nitrophenol	ND		0.407	1	01/08/2024 15:53	WG2202493
Pentachlorophenol	ND		0.407	1	01/08/2024 15:53	WG2202493
Phenol	ND		0.407	1	01/08/2024 15:53	WG2202493
2,4,6-Trichlorophenol	ND		0.407	1	01/08/2024 15:53	WG2202493
(S) 2-Fluorophenol	56.0		12.0-120		01/08/2024 15:53	WG2202493
(S) Phenol-d5	53.7		10.0-120		01/08/2024 15:53	WG2202493
(S) Nitrobenzene-d5	46.9		10.0-122		01/08/2024 15:53	WG2202493
(S) 2-Fluorobiphenyl	52.5		15.0-120		01/08/2024 15:53	WG2202493
(S) 2,4,6-Tribromophenol	54.3		10.0-127		01/08/2024 15:53	WG2202493
(S) p-Terphenyl-d14	55.2		10.0-120		01/08/2024 15:53	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.0		1	01/08/2024 12:22	WG2202797

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.30	1	01/09/2024 01:00	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0520	1	01/06/2024 21:44	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.90	5	01/24/2024 11:04	WG2202530
Arsenic	2.25		1.30	5	01/24/2024 11:04	WG2202530
Barium	77.5		3.25	5	01/24/2024 11:04	WG2202530
Beryllium	ND		3.25	5	01/24/2024 11:04	WG2202530
Cadmium	ND		1.30	5	01/24/2024 11:04	WG2202530
Chromium	30.7		6.50	5	01/24/2024 11:04	WG2202530
Cobalt	10.8		1.30	5	01/24/2024 11:04	WG2202530
Copper	16.3		6.50	5	01/24/2024 11:04	WG2202530
Lead	22.6		2.60	5	01/24/2024 11:04	WG2202530
Manganese	498		3.25	5	01/24/2024 11:04	WG2202530
Nickel	16.3		3.25	5	01/24/2024 11:04	WG2202530
Selenium	ND		3.25	5	01/24/2024 11:04	WG2202530
Silver	ND		0.650	5	01/24/2024 11:04	WG2202530
Thallium	ND		2.60	5	01/24/2024 11:04	WG2202530
Vanadium	35.0		3.25	5	01/24/2024 11:04	WG2202530
Zinc	48.6		32.5	5	01/24/2024 11:04	WG2202530

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0811	1	01/10/2024 18:44	WG2204539
Acrylonitrile	ND		0.0203	1	01/10/2024 18:44	WG2204539
Benzene	ND		0.00162	1	01/10/2024 18:44	WG2204539
Bromobenzene	ND		0.0203	1	01/10/2024 18:44	WG2204539
Bromodichloromethane	ND		0.00405	1	01/10/2024 18:44	WG2204539
Bromoform	ND		0.0405	1	01/10/2024 18:44	WG2204539
Bromomethane	ND		0.0203	1	01/10/2024 18:44	WG2204539
n-Butylbenzene	ND		0.0203	1	01/10/2024 18:44	WG2204539
sec-Butylbenzene	ND		0.0203	1	01/10/2024 18:44	WG2204539
tert-Butylbenzene	ND		0.00811	1	01/10/2024 18:44	WG2204539
Carbon tetrachloride	ND		0.00811	1	01/10/2024 18:44	WG2204539
Chlorobenzene	ND		0.00405	1	01/10/2024 18:44	WG2204539
Chlorodibromomethane	ND		0.00405	1	01/10/2024 18:44	WG2204539
Chloroethane	ND		0.00811	1	01/10/2024 18:44	WG2204539
Chloroform	ND		0.00405	1	01/10/2024 18:44	WG2204539
Chloromethane	ND		0.0203	1	01/10/2024 18:44	WG2204539
2-Chlorotoluene	ND		0.00405	1	01/10/2024 18:44	WG2204539
4-Chlorotoluene	ND		0.00811	1	01/10/2024 18:44	WG2204539
1,2-Dibromo-3-Chloropropane	ND		0.0405	1	01/10/2024 18:44	WG2204539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00405	1	01/10/2024 18:44	WG2204539
Dibromomethane	ND		0.00811	1	01/10/2024 18:44	WG2204539
1,2-Dichlorobenzene	ND		0.00811	1	01/10/2024 18:44	WG2204539
1,3-Dichlorobenzene	ND		0.00811	1	01/10/2024 18:44	WG2204539
1,4-Dichlorobenzene	ND		0.00811	1	01/10/2024 18:44	WG2204539
Dichlorodifluoromethane	ND		0.00811	1	01/10/2024 18:44	WG2204539
1,1-Dichloroethane	ND		0.00405	1	01/10/2024 18:44	WG2204539
1,2-Dichloroethane	ND		0.00405	1	01/10/2024 18:44	WG2204539
1,1-Dichloroethene	ND		0.00405	1	01/10/2024 18:44	WG2204539
cis-1,2-Dichloroethene	ND		0.00405	1	01/10/2024 18:44	WG2204539
trans-1,2-Dichloroethene	ND		0.00811	1	01/10/2024 18:44	WG2204539
1,2-Dichloropropane	ND		0.00811	1	01/10/2024 18:44	WG2204539
1,1-Dichloropropene	ND		0.00405	1	01/10/2024 18:44	WG2204539
1,3-Dichloropropane	ND		0.00811	1	01/10/2024 18:44	WG2204539
cis-1,3-Dichloropropene	ND		0.00405	1	01/10/2024 18:44	WG2204539
trans-1,3-Dichloropropene	ND		0.00811	1	01/10/2024 18:44	WG2204539
2,2-Dichloropropane	ND		0.00405	1	01/10/2024 18:44	WG2204539
Di-isopropyl ether	ND		0.00162	1	01/10/2024 18:44	WG2204539
Ethylbenzene	ND		0.00405	1	01/10/2024 18:44	WG2204539
Hexachloro-1,3-butadiene	ND		0.0405	1	01/10/2024 18:44	WG2204539
Isopropylbenzene	ND		0.00405	1	01/10/2024 18:44	WG2204539
p-Isopropyltoluene	ND		0.00811	1	01/10/2024 18:44	WG2204539
2-Butanone (MEK)	ND		0.162	1	01/10/2024 18:44	WG2204539
Methylene Chloride	ND		0.0405	1	01/10/2024 18:44	WG2204539
4-Methyl-2-pentanone (MIBK)	ND		0.0405	1	01/10/2024 18:44	WG2204539
Methyl tert-butyl ether	ND		0.00162	1	01/10/2024 18:44	WG2204539
Naphthalene	ND		0.0203	1	01/10/2024 18:44	WG2204539
n-Propylbenzene	ND		0.00811	1	01/10/2024 18:44	WG2204539
Styrene	ND		0.0203	1	01/10/2024 18:44	WG2204539
1,1,1,2-Tetrachloroethane	ND		0.00405	1	01/10/2024 18:44	WG2204539
1,1,2,2-Tetrachloroethane	ND		0.00405	1	01/10/2024 18:44	WG2204539
Tetrachloroethene	ND		0.00405	1	01/10/2024 18:44	WG2204539
Toluene	ND		0.00811	1	01/10/2024 18:44	WG2204539
1,2,3-Trichlorobenzene	ND		0.0203	1	01/10/2024 18:44	WG2204539
1,2,4-Trichlorobenzene	ND		0.0203	1	01/10/2024 18:44	WG2204539
1,1,1-Trichloroethane	ND		0.00405	1	01/10/2024 18:44	WG2204539
1,1,2-Trichloroethane	ND		0.00405	1	01/10/2024 18:44	WG2204539
Trichloroethene	ND		0.00162	1	01/10/2024 18:44	WG2204539
Trichlorofluoromethane	ND	C3	0.00405	1	01/10/2024 18:44	WG2204539
1,2,3-Trichloropropane	ND		0.0203	1	01/10/2024 18:44	WG2204539
1,2,4-Trimethylbenzene	ND		0.00811	1	01/10/2024 18:44	WG2204539
1,3,5-Trimethylbenzene	ND		0.00811	1	01/10/2024 18:44	WG2204539
Vinyl chloride	ND		0.00405	1	01/10/2024 18:44	WG2204539
Xylenes, Total	ND		0.0105	1	01/10/2024 18:44	WG2204539
(S) Toluene-d8	105		75.0-131		01/10/2024 18:44	WG2204539
(S) 4-Bromofluorobenzene	101		67.0-138		01/10/2024 18:44	WG2204539
(S) 1,2-Dichloroethane-d4	88.7		70.0-130		01/10/2024 18:44	WG2204539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0433	1	01/08/2024 16:14	WG2202493
Acenaphthylene	ND		0.0433	1	01/08/2024 16:14	WG2202493
Anthracene	ND		0.0433	1	01/08/2024 16:14	WG2202493
Benzidine	ND		2.17	1	01/08/2024 16:14	WG2202493
Benzo(a)anthracene	0.195		0.0433	1	01/08/2024 16:14	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.327		0.0433	1	01/08/2024 16:14	WG2202493
Benzo(k)fluoranthene	0.0989		0.0433	1	01/08/2024 16:14	WG2202493
Benzo(g,h,i)perylene	0.139		0.0433	1	01/08/2024 16:14	WG2202493
Benzo(a)pyrene	0.220		0.0433	1	01/08/2024 16:14	WG2202493
Bis(2-chloroethoxy)methane	ND		0.433	1	01/08/2024 16:14	WG2202493
Bis(2-chloroethyl)ether	0.460		0.433	1	01/08/2024 16:14	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.433	1	01/08/2024 16:14	WG2202493
4-Bromophenyl-phenylether	ND		0.433	1	01/08/2024 16:14	WG2202493
2-Chloronaphthalene	ND		0.0433	1	01/08/2024 16:14	WG2202493
4-Chlorophenyl-phenylether	ND		0.433	1	01/08/2024 16:14	WG2202493
Chrysene	0.248		0.0433	1	01/08/2024 16:14	WG2202493
Dibenz(a,h)anthracene	ND		0.0433	1	01/08/2024 16:14	WG2202493
3,3-Dichlorobenzidine	ND		0.433	1	01/08/2024 16:14	WG2202493
2,4-Dinitrotoluene	ND		0.433	1	01/08/2024 16:14	WG2202493
2,6-Dinitrotoluene	ND		0.433	1	01/08/2024 16:14	WG2202493
Fluoranthene	0.541		0.0433	1	01/08/2024 16:14	WG2202493
Fluorene	ND		0.0433	1	01/08/2024 16:14	WG2202493
Hexachlorobenzene	ND		0.433	1	01/08/2024 16:14	WG2202493
Hexachloro-1,3-butadiene	ND		0.433	1	01/08/2024 16:14	WG2202493
Hexachlorocyclopentadiene	ND		0.433	1	01/08/2024 16:14	WG2202493
Hexachloroethane	ND		0.433	1	01/08/2024 16:14	WG2202493
Indeno(1,2,3-cd)pyrene	0.146		0.0433	1	01/08/2024 16:14	WG2202493
Isophorone	ND		0.433	1	01/08/2024 16:14	WG2202493
Naphthalene	ND		0.0433	1	01/08/2024 16:14	WG2202493
Nitrobenzene	ND		0.433	1	01/08/2024 16:14	WG2202493
n-Nitrosodimethylamine	ND		0.433	1	01/08/2024 16:14	WG2202493
n-Nitrosodiphenylamine	ND		0.433	1	01/08/2024 16:14	WG2202493
n-Nitrosodi-n-propylamine	ND		0.433	1	01/08/2024 16:14	WG2202493
Phenanthrene	0.357		0.0433	1	01/08/2024 16:14	WG2202493
Benzylbutyl phthalate	ND		0.433	1	01/08/2024 16:14	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.433	1	01/08/2024 16:14	WG2202493
Di-n-butyl phthalate	ND		0.433	1	01/08/2024 16:14	WG2202493
Diethyl phthalate	ND		0.433	1	01/08/2024 16:14	WG2202493
Dimethyl phthalate	ND		0.433	1	01/08/2024 16:14	WG2202493
Di-n-octyl phthalate	ND		0.433	1	01/08/2024 16:14	WG2202493
Pyrene	0.456		0.0433	1	01/08/2024 16:14	WG2202493
1,2,4-Trichlorobenzene	ND		0.433	1	01/08/2024 16:14	WG2202493
4-Chloro-3-methylphenol	ND		0.433	1	01/08/2024 16:14	WG2202493
2-Chlorophenol	ND		0.433	1	01/08/2024 16:14	WG2202493
2,4-Dichlorophenol	ND		0.433	1	01/08/2024 16:14	WG2202493
2,4-Dimethylphenol	ND		0.433	1	01/08/2024 16:14	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.433	1	01/08/2024 16:14	WG2202493
2,4-Dinitrophenol	ND		0.433	1	01/08/2024 16:14	WG2202493
2-Nitrophenol	ND		0.433	1	01/08/2024 16:14	WG2202493
4-Nitrophenol	ND		0.433	1	01/08/2024 16:14	WG2202493
Pentachlorophenol	ND		0.433	1	01/08/2024 16:14	WG2202493
Phenol	ND		0.433	1	01/08/2024 16:14	WG2202493
2,4,6-Trichlorophenol	ND		0.433	1	01/08/2024 16:14	WG2202493
(S) 2-Fluorophenol	51.5		12.0-120		01/08/2024 16:14	WG2202493
(S) Phenol-d5	49.2		10.0-120		01/08/2024 16:14	WG2202493
(S) Nitrobenzene-d5	44.5		10.0-122		01/08/2024 16:14	WG2202493
(S) 2-Fluorobiphenyl	45.8		15.0-120		01/08/2024 16:14	WG2202493
(S) 2,4,6-Tribromophenol	47.3		10.0-127		01/08/2024 16:14	WG2202493
(S) p-Terphenyl-d14	49.7		10.0-120		01/08/2024 16:14	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.7		1	01/08/2024 12:22	WG2202797

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.22	1	01/09/2024 01:06	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0490	1	01/06/2024 21:24	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	O1	3.67	5	01/24/2024 18:06	WG2202529
Arsenic	2.10	O1	1.22	5	01/24/2024 18:06	WG2202529
Barium	92.4	J5 O1	3.06	5	01/24/2024 18:06	WG2202529
Beryllium	ND	O1	3.06	5	01/24/2024 18:06	WG2202529
Cadmium	ND	O1	1.22	5	01/24/2024 18:06	WG2202529
Chromium	30.7	J5 O1	6.12	5	01/24/2024 18:06	WG2202529
Cobalt	10.0	O1	1.22	5	01/24/2024 18:06	WG2202529
Copper	14.1	J5 O1	6.12	5	01/24/2024 18:06	WG2202529
Lead	21.5	J5 O1	2.45	5	01/24/2024 18:06	WG2202529
Manganese	447	J5 O1	3.06	5	01/24/2024 18:06	WG2202529
Nickel	15.6	J5 O1	3.06	5	01/24/2024 18:06	WG2202529
Selenium	ND	O1	3.06	5	01/24/2024 18:06	WG2202529
Silver	ND	O1	0.612	5	01/24/2024 18:06	WG2202529
Thallium	ND	O1	2.45	5	01/24/2024 18:06	WG2202529
Vanadium	36.4	J5 O1	3.06	5	01/24/2024 18:06	WG2202529
Zinc	35.5	J5 O1	30.6	5	01/24/2024 18:06	WG2202529

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0728	1	01/10/2024 19:04	WG2204539
Acrylonitrile	ND		0.0182	1	01/10/2024 19:04	WG2204539
Benzene	ND		0.00146	1	01/10/2024 19:04	WG2204539
Bromobenzene	ND		0.0182	1	01/10/2024 19:04	WG2204539
Bromodichloromethane	ND		0.00364	1	01/10/2024 19:04	WG2204539
Bromoform	ND		0.0364	1	01/10/2024 19:04	WG2204539
Bromomethane	ND		0.0182	1	01/10/2024 19:04	WG2204539
n-Butylbenzene	ND		0.0182	1	01/10/2024 19:04	WG2204539
sec-Butylbenzene	ND		0.0182	1	01/10/2024 19:04	WG2204539
tert-Butylbenzene	ND		0.00728	1	01/10/2024 19:04	WG2204539
Carbon tetrachloride	ND		0.00728	1	01/10/2024 19:04	WG2204539
Chlorobenzene	ND		0.00364	1	01/10/2024 19:04	WG2204539
Chlorodibromomethane	ND		0.00364	1	01/10/2024 19:04	WG2204539
Chloroethane	ND		0.00728	1	01/10/2024 19:04	WG2204539
Chloroform	ND		0.00364	1	01/10/2024 19:04	WG2204539
Chloromethane	ND		0.0182	1	01/10/2024 19:04	WG2204539
2-Chlorotoluene	ND		0.00364	1	01/10/2024 19:04	WG2204539
4-Chlorotoluene	ND		0.00728	1	01/10/2024 19:04	WG2204539
1,2-Dibromo-3-Chloropropane	ND		0.0364	1	01/10/2024 19:04	WG2204539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00364	1	01/10/2024 19:04	WG2204539
Dibromomethane	ND		0.00728	1	01/10/2024 19:04	WG2204539
1,2-Dichlorobenzene	ND		0.00728	1	01/10/2024 19:04	WG2204539
1,3-Dichlorobenzene	ND		0.00728	1	01/10/2024 19:04	WG2204539
1,4-Dichlorobenzene	ND		0.00728	1	01/10/2024 19:04	WG2204539
Dichlorodifluoromethane	ND		0.00728	1	01/10/2024 19:04	WG2204539
1,1-Dichloroethane	ND		0.00364	1	01/10/2024 19:04	WG2204539
1,2-Dichloroethane	ND		0.00364	1	01/10/2024 19:04	WG2204539
1,1-Dichloroethene	ND		0.00364	1	01/10/2024 19:04	WG2204539
cis-1,2-Dichloroethene	ND		0.00364	1	01/10/2024 19:04	WG2204539
trans-1,2-Dichloroethene	ND		0.00728	1	01/10/2024 19:04	WG2204539
1,2-Dichloropropane	ND		0.00728	1	01/10/2024 19:04	WG2204539
1,1-Dichloropropene	ND		0.00364	1	01/10/2024 19:04	WG2204539
1,3-Dichloropropane	ND		0.00728	1	01/10/2024 19:04	WG2204539
cis-1,3-Dichloropropene	ND		0.00364	1	01/10/2024 19:04	WG2204539
trans-1,3-Dichloropropene	ND		0.00728	1	01/10/2024 19:04	WG2204539
2,2-Dichloropropane	ND		0.00364	1	01/10/2024 19:04	WG2204539
Di-isopropyl ether	ND		0.00146	1	01/10/2024 19:04	WG2204539
Ethylbenzene	ND		0.00364	1	01/10/2024 19:04	WG2204539
Hexachloro-1,3-butadiene	ND		0.0364	1	01/10/2024 19:04	WG2204539
Isopropylbenzene	ND		0.00364	1	01/10/2024 19:04	WG2204539
p-Isopropyltoluene	ND		0.00728	1	01/10/2024 19:04	WG2204539
2-Butanone (MEK)	ND		0.146	1	01/10/2024 19:04	WG2204539
Methylene Chloride	ND		0.0364	1	01/10/2024 19:04	WG2204539
4-Methyl-2-pentanone (MIBK)	ND		0.0364	1	01/10/2024 19:04	WG2204539
Methyl tert-butyl ether	ND		0.00146	1	01/10/2024 19:04	WG2204539
Naphthalene	ND		0.0182	1	01/10/2024 19:04	WG2204539
n-Propylbenzene	ND		0.00728	1	01/10/2024 19:04	WG2204539
Styrene	ND		0.0182	1	01/10/2024 19:04	WG2204539
1,1,1,2-Tetrachloroethane	ND		0.00364	1	01/10/2024 19:04	WG2204539
1,1,2,2-Tetrachloroethane	ND		0.00364	1	01/10/2024 19:04	WG2204539
Tetrachloroethene	ND		0.00364	1	01/10/2024 19:04	WG2204539
Toluene	ND		0.00728	1	01/10/2024 19:04	WG2204539
1,2,3-Trichlorobenzene	ND		0.0182	1	01/10/2024 19:04	WG2204539
1,2,4-Trichlorobenzene	ND		0.0182	1	01/10/2024 19:04	WG2204539
1,1,1-Trichloroethane	ND		0.00364	1	01/10/2024 19:04	WG2204539
1,1,2-Trichloroethane	ND		0.00364	1	01/10/2024 19:04	WG2204539
Trichloroethene	ND		0.00146	1	01/10/2024 19:04	WG2204539
Trichlorofluoromethane	ND	C3	0.00364	1	01/10/2024 19:04	WG2204539
1,2,3-Trichloropropane	ND		0.0182	1	01/10/2024 19:04	WG2204539
1,2,4-Trimethylbenzene	ND		0.00728	1	01/10/2024 19:04	WG2204539
1,3,5-Trimethylbenzene	ND		0.00728	1	01/10/2024 19:04	WG2204539
Vinyl chloride	ND		0.00364	1	01/10/2024 19:04	WG2204539
Xylenes, Total	ND		0.00946	1	01/10/2024 19:04	WG2204539
(S) Toluene-d8	105		75.0-131		01/10/2024 19:04	WG2204539
(S) 4-Bromofluorobenzene	102		67.0-138		01/10/2024 19:04	WG2204539
(S) 1,2-Dichloroethane-d4	90.9		70.0-130		01/10/2024 19:04	WG2204539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0408	1	01/08/2024 16:34	WG2202493
Acenaphthylene	ND		0.0408	1	01/08/2024 16:34	WG2202493
Anthracene	ND		0.0408	1	01/08/2024 16:34	WG2202493
Benzidine	ND		2.04	1	01/08/2024 16:34	WG2202493
Benzo(a)anthracene	0.133		0.0408	1	01/08/2024 16:34	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.207		0.0408	1	01/08/2024 16:34	WG2202493
Benzo(k)fluoranthene	0.0652		0.0408	1	01/08/2024 16:34	WG2202493
Benzo(g,h,i)perylene	0.0677		0.0408	1	01/08/2024 16:34	WG2202493
Benzo(a)pyrene	0.146		0.0408	1	01/08/2024 16:34	WG2202493
Bis(2-chlorethoxy)methane	ND		0.408	1	01/08/2024 16:34	WG2202493
Bis(2-chloroethyl)ether	ND		0.408	1	01/08/2024 16:34	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.408	1	01/08/2024 16:34	WG2202493
4-Bromophenyl-phenylether	ND		0.408	1	01/08/2024 16:34	WG2202493
2-Chloronaphthalene	ND		0.0408	1	01/08/2024 16:34	WG2202493
4-Chlorophenyl-phenylether	ND		0.408	1	01/08/2024 16:34	WG2202493
Chrysene	0.154		0.0408	1	01/08/2024 16:34	WG2202493
Dibenz(a,h)anthracene	ND		0.0408	1	01/08/2024 16:34	WG2202493
3,3-Dichlorobenzidine	ND		0.408	1	01/08/2024 16:34	WG2202493
2,4-Dinitrotoluene	ND		0.408	1	01/08/2024 16:34	WG2202493
2,6-Dinitrotoluene	ND		0.408	1	01/08/2024 16:34	WG2202493
Fluoranthene	0.290		0.0408	1	01/08/2024 16:34	WG2202493
Fluorene	ND		0.0408	1	01/08/2024 16:34	WG2202493
Hexachlorobenzene	ND		0.408	1	01/08/2024 16:34	WG2202493
Hexachloro-1,3-butadiene	ND		0.408	1	01/08/2024 16:34	WG2202493
Hexachlorocyclopentadiene	ND		0.408	1	01/08/2024 16:34	WG2202493
Hexachloroethane	ND		0.408	1	01/08/2024 16:34	WG2202493
Indeno(1,2,3-cd)pyrene	0.0750		0.0408	1	01/08/2024 16:34	WG2202493
Isophorone	ND		0.408	1	01/08/2024 16:34	WG2202493
Naphthalene	ND		0.0408	1	01/08/2024 16:34	WG2202493
Nitrobenzene	ND		0.408	1	01/08/2024 16:34	WG2202493
n-Nitrosodimethylamine	ND		0.408	1	01/08/2024 16:34	WG2202493
n-Nitrosodiphenylamine	ND		0.408	1	01/08/2024 16:34	WG2202493
n-Nitrosodi-n-propylamine	ND		0.408	1	01/08/2024 16:34	WG2202493
Phenanthrene	0.155		0.0408	1	01/08/2024 16:34	WG2202493
Benzylbutyl phthalate	ND		0.408	1	01/08/2024 16:34	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.408	1	01/08/2024 16:34	WG2202493
Di-n-butyl phthalate	ND		0.408	1	01/08/2024 16:34	WG2202493
Diethyl phthalate	ND		0.408	1	01/08/2024 16:34	WG2202493
Dimethyl phthalate	ND		0.408	1	01/08/2024 16:34	WG2202493
Di-n-octyl phthalate	ND		0.408	1	01/08/2024 16:34	WG2202493
Pyrene	0.271		0.0408	1	01/08/2024 16:34	WG2202493
1,2,4-Trichlorobenzene	ND		0.408	1	01/08/2024 16:34	WG2202493
4-Chloro-3-methylphenol	ND		0.408	1	01/08/2024 16:34	WG2202493
2-Chlorophenol	ND		0.408	1	01/08/2024 16:34	WG2202493
2,4-Dichlorophenol	ND		0.408	1	01/08/2024 16:34	WG2202493
2,4-Dimethylphenol	ND		0.408	1	01/08/2024 16:34	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.408	1	01/08/2024 16:34	WG2202493
2,4-Dinitrophenol	ND		0.408	1	01/08/2024 16:34	WG2202493
2-Nitrophenol	ND		0.408	1	01/08/2024 16:34	WG2202493
4-Nitrophenol	ND		0.408	1	01/08/2024 16:34	WG2202493
Pentachlorophenol	ND		0.408	1	01/08/2024 16:34	WG2202493
Phenol	ND		0.408	1	01/08/2024 16:34	WG2202493
2,4,6-Trichlorophenol	ND		0.408	1	01/08/2024 16:34	WG2202493
(S) 2-Fluorophenol	54.8		12.0-120		01/08/2024 16:34	WG2202493
(S) Phenol-d5	52.0		10.0-120		01/08/2024 16:34	WG2202493
(S) Nitrobenzene-d5	46.1		10.0-122		01/08/2024 16:34	WG2202493
(S) 2-Fluorobiphenyl	52.6		15.0-120		01/08/2024 16:34	WG2202493
(S) 2,4,6-Tribromophenol	57.4		10.0-127		01/08/2024 16:34	WG2202493
(S) p-Terphenyl-d14	61.0		10.0-120		01/08/2024 16:34	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	71.4		1	01/08/2024 12:22	WG2202797

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.40	1	01/09/2024 01:12	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0560	1	01/06/2024 21:47	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.20	5	01/24/2024 11:14	WG2202530
Arsenic	4.95		1.40	5	01/24/2024 11:14	WG2202530
Barium	149		3.50	5	01/24/2024 11:14	WG2202530
Beryllium	ND		3.50	5	01/24/2024 11:14	WG2202530
Cadmium	ND		1.40	5	01/24/2024 11:14	WG2202530
Chromium	56.5		7.00	5	01/24/2024 11:14	WG2202530
Cobalt	19.0		1.40	5	01/24/2024 11:14	WG2202530
Copper	32.0		7.00	5	01/24/2024 11:14	WG2202530
Lead	39.8		2.80	5	01/24/2024 11:14	WG2202530
Manganese	823		3.50	5	01/24/2024 11:14	WG2202530
Nickel	30.4		3.50	5	01/24/2024 11:14	WG2202530
Selenium	ND		3.50	5	01/24/2024 11:14	WG2202530
Silver	ND		0.700	5	01/24/2024 11:14	WG2202530
Thallium	ND		2.80	5	01/24/2024 11:14	WG2202530
Vanadium	66.4		3.50	5	01/24/2024 11:14	WG2202530
Zinc	74.5		35.0	5	01/24/2024 11:14	WG2202530

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0923	1	01/10/2024 19:24	WG2204539
Acrylonitrile	ND		0.0231	1	01/10/2024 19:24	WG2204539
Benzene	ND		0.00185	1	01/10/2024 19:24	WG2204539
Bromobenzene	ND		0.0231	1	01/10/2024 19:24	WG2204539
Bromodichloromethane	ND		0.00461	1	01/10/2024 19:24	WG2204539
Bromoform	ND		0.0461	1	01/10/2024 19:24	WG2204539
Bromomethane	ND		0.0231	1	01/10/2024 19:24	WG2204539
n-Butylbenzene	ND		0.0231	1	01/10/2024 19:24	WG2204539
sec-Butylbenzene	ND		0.0231	1	01/10/2024 19:24	WG2204539
tert-Butylbenzene	ND		0.00923	1	01/10/2024 19:24	WG2204539
Carbon tetrachloride	ND		0.00923	1	01/10/2024 19:24	WG2204539
Chlorobenzene	ND		0.00461	1	01/10/2024 19:24	WG2204539
Chlorodibromomethane	ND		0.00461	1	01/10/2024 19:24	WG2204539
Chloroethane	ND		0.00923	1	01/10/2024 19:24	WG2204539
Chloroform	ND		0.00461	1	01/10/2024 19:24	WG2204539
Chloromethane	ND		0.0231	1	01/10/2024 19:24	WG2204539
2-Chlorotoluene	ND		0.00461	1	01/10/2024 19:24	WG2204539
4-Chlorotoluene	ND		0.00923	1	01/10/2024 19:24	WG2204539
1,2-Dibromo-3-Chloropropane	ND		0.0461	1	01/10/2024 19:24	WG2204539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00461	1	01/10/2024 19:24	WG2204539
Dibromomethane	ND		0.00923	1	01/10/2024 19:24	WG2204539
1,2-Dichlorobenzene	ND		0.00923	1	01/10/2024 19:24	WG2204539
1,3-Dichlorobenzene	ND		0.00923	1	01/10/2024 19:24	WG2204539
1,4-Dichlorobenzene	ND		0.00923	1	01/10/2024 19:24	WG2204539
Dichlorodifluoromethane	ND		0.00923	1	01/10/2024 19:24	WG2204539
1,1-Dichloroethane	ND		0.00461	1	01/10/2024 19:24	WG2204539
1,2-Dichloroethane	ND		0.00461	1	01/10/2024 19:24	WG2204539
1,1-Dichloroethene	ND		0.00461	1	01/10/2024 19:24	WG2204539
cis-1,2-Dichloroethene	ND		0.00461	1	01/10/2024 19:24	WG2204539
trans-1,2-Dichloroethene	ND		0.00923	1	01/10/2024 19:24	WG2204539
1,2-Dichloropropane	ND		0.00923	1	01/10/2024 19:24	WG2204539
1,1-Dichloropropene	ND		0.00461	1	01/10/2024 19:24	WG2204539
1,3-Dichloropropane	ND		0.00923	1	01/10/2024 19:24	WG2204539
cis-1,3-Dichloropropene	ND		0.00461	1	01/10/2024 19:24	WG2204539
trans-1,3-Dichloropropene	ND		0.00923	1	01/10/2024 19:24	WG2204539
2,2-Dichloropropane	ND		0.00461	1	01/10/2024 19:24	WG2204539
Di-isopropyl ether	ND		0.00185	1	01/10/2024 19:24	WG2204539
Ethylbenzene	ND		0.00461	1	01/10/2024 19:24	WG2204539
Hexachloro-1,3-butadiene	ND		0.0461	1	01/10/2024 19:24	WG2204539
Isopropylbenzene	ND		0.00461	1	01/10/2024 19:24	WG2204539
p-Isopropyltoluene	ND		0.00923	1	01/10/2024 19:24	WG2204539
2-Butanone (MEK)	ND		0.185	1	01/10/2024 19:24	WG2204539
Methylene Chloride	ND		0.0461	1	01/10/2024 19:24	WG2204539
4-Methyl-2-pentanone (MIBK)	ND		0.0461	1	01/10/2024 19:24	WG2204539
Methyl tert-butyl ether	ND		0.00185	1	01/10/2024 19:24	WG2204539
Naphthalene	ND		0.0231	1	01/10/2024 19:24	WG2204539
n-Propylbenzene	ND		0.00923	1	01/10/2024 19:24	WG2204539
Styrene	ND		0.0231	1	01/10/2024 19:24	WG2204539
1,1,1,2-Tetrachloroethane	ND		0.00461	1	01/10/2024 19:24	WG2204539
1,1,2,2-Tetrachloroethane	ND		0.00461	1	01/10/2024 19:24	WG2204539
Tetrachloroethene	ND		0.00461	1	01/10/2024 19:24	WG2204539
Toluene	ND		0.00923	1	01/10/2024 19:24	WG2204539
1,2,3-Trichlorobenzene	ND		0.0231	1	01/10/2024 19:24	WG2204539
1,2,4-Trichlorobenzene	ND		0.0231	1	01/10/2024 19:24	WG2204539
1,1,1-Trichloroethane	ND		0.00461	1	01/10/2024 19:24	WG2204539
1,1,2-Trichloroethane	ND		0.00461	1	01/10/2024 19:24	WG2204539
Trichloroethene	ND		0.00185	1	01/10/2024 19:24	WG2204539
Trichlorofluoromethane	ND	C3	0.00461	1	01/10/2024 19:24	WG2204539
1,2,3-Trichloropropane	ND		0.0231	1	01/10/2024 19:24	WG2204539
1,2,4-Trimethylbenzene	ND		0.00923	1	01/10/2024 19:24	WG2204539
1,3,5-Trimethylbenzene	ND		0.00923	1	01/10/2024 19:24	WG2204539
Vinyl chloride	ND		0.00461	1	01/10/2024 19:24	WG2204539
Xylenes, Total	ND		0.0120	1	01/10/2024 19:24	WG2204539
(S) Toluene-d8	102		75.0-131		01/10/2024 19:24	WG2204539
(S) 4-Bromofluorobenzene	101		67.0-138		01/10/2024 19:24	WG2204539
(S) 1,2-Dichloroethane-d4	79.4		70.0-130		01/10/2024 19:24	WG2204539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0466	1	01/08/2024 16:54	WG2202493
Acenaphthylene	ND		0.0466	1	01/08/2024 16:54	WG2202493
Anthracene	ND		0.0466	1	01/08/2024 16:54	WG2202493
Benzidine	ND		2.34	1	01/08/2024 16:54	WG2202493
Benzo(a)anthracene	0.167		0.0466	1	01/08/2024 16:54	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.281		0.0466	1	01/08/2024 16:54	WG2202493
Benzo(k)fluoranthene	0.0879		0.0466	1	01/08/2024 16:54	WG2202493
Benzo(g,h,i)perylene	0.0920		0.0466	1	01/08/2024 16:54	WG2202493
Benzo(a)pyrene	0.199		0.0466	1	01/08/2024 16:54	WG2202493
Bis(2-chlorethoxy)methane	ND		0.466	1	01/08/2024 16:54	WG2202493
Bis(2-chloroethyl)ether	ND		0.466	1	01/08/2024 16:54	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.466	1	01/08/2024 16:54	WG2202493
4-Bromophenyl-phenylether	ND		0.466	1	01/08/2024 16:54	WG2202493
2-Chloronaphthalene	ND		0.0466	1	01/08/2024 16:54	WG2202493
4-Chlorophenyl-phenylether	ND		0.466	1	01/08/2024 16:54	WG2202493
Chrysene	0.154		0.0466	1	01/08/2024 16:54	WG2202493
Dibenz(a,h)anthracene	ND		0.0466	1	01/08/2024 16:54	WG2202493
3,3-Dichlorobenzidine	ND		0.466	1	01/08/2024 16:54	WG2202493
2,4-Dinitrotoluene	ND		0.466	1	01/08/2024 16:54	WG2202493
2,6-Dinitrotoluene	ND		0.466	1	01/08/2024 16:54	WG2202493
Fluoranthene	0.350		0.0466	1	01/08/2024 16:54	WG2202493
Fluorene	ND		0.0466	1	01/08/2024 16:54	WG2202493
Hexachlorobenzene	ND		0.466	1	01/08/2024 16:54	WG2202493
Hexachloro-1,3-butadiene	ND		0.466	1	01/08/2024 16:54	WG2202493
Hexachlorocyclopentadiene	ND		0.466	1	01/08/2024 16:54	WG2202493
Hexachloroethane	ND		0.466	1	01/08/2024 16:54	WG2202493
Indeno(1,2,3-cd)pyrene	0.0985		0.0466	1	01/08/2024 16:54	WG2202493
Isophorone	ND		0.466	1	01/08/2024 16:54	WG2202493
Naphthalene	ND		0.0466	1	01/08/2024 16:54	WG2202493
Nitrobenzene	ND		0.466	1	01/08/2024 16:54	WG2202493
n-Nitrosodimethylamine	ND		0.466	1	01/08/2024 16:54	WG2202493
n-Nitrosodiphenylamine	ND		0.466	1	01/08/2024 16:54	WG2202493
n-Nitrosodi-n-propylamine	ND		0.466	1	01/08/2024 16:54	WG2202493
Phenanthrene	0.175		0.0466	1	01/08/2024 16:54	WG2202493
Benzylbutyl phthalate	ND		0.466	1	01/08/2024 16:54	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.466	1	01/08/2024 16:54	WG2202493
Di-n-butyl phthalate	ND		0.466	1	01/08/2024 16:54	WG2202493
Diethyl phthalate	ND		0.466	1	01/08/2024 16:54	WG2202493
Dimethyl phthalate	ND		0.466	1	01/08/2024 16:54	WG2202493
Di-n-octyl phthalate	ND		0.466	1	01/08/2024 16:54	WG2202493
Pyrene	0.336		0.0466	1	01/08/2024 16:54	WG2202493
1,2,4-Trichlorobenzene	ND		0.466	1	01/08/2024 16:54	WG2202493
4-Chloro-3-methylphenol	ND		0.466	1	01/08/2024 16:54	WG2202493
2-Chlorophenol	ND		0.466	1	01/08/2024 16:54	WG2202493
2,4-Dichlorophenol	ND		0.466	1	01/08/2024 16:54	WG2202493
2,4-Dimethylphenol	ND		0.466	1	01/08/2024 16:54	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.466	1	01/08/2024 16:54	WG2202493
2,4-Dinitrophenol	ND		0.466	1	01/08/2024 16:54	WG2202493
2-Nitrophenol	ND		0.466	1	01/08/2024 16:54	WG2202493
4-Nitrophenol	ND		0.466	1	01/08/2024 16:54	WG2202493
Pentachlorophenol	ND		0.466	1	01/08/2024 16:54	WG2202493
Phenol	ND		0.466	1	01/08/2024 16:54	WG2202493
2,4,6-Trichlorophenol	ND		0.466	1	01/08/2024 16:54	WG2202493
(S) 2-Fluorophenol	53.5		12.0-120		01/08/2024 16:54	WG2202493
(S) Phenol-d5	49.8		10.0-120		01/08/2024 16:54	WG2202493
(S) Nitrobenzene-d5	43.9		10.0-122		01/08/2024 16:54	WG2202493
(S) 2-Fluorobiphenyl	49.1		15.0-120		01/08/2024 16:54	WG2202493
(S) 2,4,6-Tribromophenol	53.7		10.0-127		01/08/2024 16:54	WG2202493
(S) p-Terphenyl-d14	55.8		10.0-120		01/08/2024 16:54	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	69.5		1	01/08/2024 12:22	WG2202797

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.44	1	01/09/2024 01:18	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0734		0.0576	1	01/06/2024 21:54	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.32	5	01/24/2024 18:50	WG2202529
Arsenic	3.78		1.44	5	01/24/2024 18:50	WG2202529
Barium	122		3.60	5	01/24/2024 18:50	WG2202529
Beryllium	ND		3.60	5	01/24/2024 18:50	WG2202529
Cadmium	ND		1.44	5	01/24/2024 18:50	WG2202529
Chromium	44.0		7.20	5	01/24/2024 18:50	WG2202529
Cobalt	13.5		1.44	5	01/24/2024 18:50	WG2202529
Copper	30.0		7.20	5	01/24/2024 18:50	WG2202529
Lead	54.1		2.88	5	01/24/2024 18:50	WG2202529
Manganese	741		3.60	5	01/24/2024 18:50	WG2202529
Nickel	28.1		3.60	5	01/24/2024 18:50	WG2202529
Selenium	ND		3.60	5	01/24/2024 18:50	WG2202529
Silver	0.928		0.720	5	01/24/2024 18:50	WG2202529
Thallium	ND		2.88	5	01/24/2024 18:50	WG2202529
Vanadium	49.5		3.60	5	01/24/2024 18:50	WG2202529
Zinc	87.2		36.0	5	01/24/2024 18:50	WG2202529

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0967	1	01/10/2024 20:09	WG2204827
Acrylonitrile	ND		0.0242	1	01/10/2024 20:09	WG2204827
Benzene	ND		0.00193	1	01/10/2024 20:09	WG2204827
Bromobenzene	ND		0.0242	1	01/10/2024 20:09	WG2204827
Bromodichloromethane	ND		0.00483	1	01/10/2024 20:09	WG2204827
Bromoform	ND		0.0483	1	01/10/2024 20:09	WG2204827
Bromomethane	ND	C3	0.0242	1	01/10/2024 20:09	WG2204827
n-Butylbenzene	ND		0.0242	1	01/10/2024 20:09	WG2204827
sec-Butylbenzene	ND	J3	0.0242	1	01/10/2024 20:09	WG2204827
tert-Butylbenzene	ND		0.00967	1	01/10/2024 20:09	WG2204827
Carbon tetrachloride	ND		0.00967	1	01/10/2024 20:09	WG2204827
Chlorobenzene	ND		0.00483	1	01/10/2024 20:09	WG2204827
Chlorodibromomethane	ND		0.00483	1	01/10/2024 20:09	WG2204827
Chloroethane	ND	C3	0.00967	1	01/10/2024 20:09	WG2204827
Chloroform	ND		0.00483	1	01/10/2024 20:09	WG2204827
Chloromethane	ND	C3	0.0242	1	01/10/2024 20:09	WG2204827
2-Chlorotoluene	ND		0.00483	1	01/10/2024 20:09	WG2204827
4-Chlorotoluene	ND		0.00967	1	01/10/2024 20:09	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0483	1	01/10/2024 20:09	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00483	1	01/10/2024 20:09	WG2204827
Dibromomethane	ND		0.00967	1	01/10/2024 20:09	WG2204827
1,2-Dichlorobenzene	ND		0.00967	1	01/10/2024 20:09	WG2204827
1,3-Dichlorobenzene	ND		0.00967	1	01/10/2024 20:09	WG2204827
1,4-Dichlorobenzene	ND		0.00967	1	01/10/2024 20:09	WG2204827
Dichlorodifluoromethane	ND	C3	0.00967	1	01/10/2024 20:09	WG2204827
1,1-Dichloroethane	ND		0.00483	1	01/10/2024 20:09	WG2204827
1,2-Dichloroethane	ND		0.00483	1	01/10/2024 20:09	WG2204827
1,1-Dichloroethene	ND	J3	0.00483	1	01/10/2024 20:09	WG2204827
cis-1,2-Dichloroethene	ND		0.00483	1	01/10/2024 20:09	WG2204827
trans-1,2-Dichloroethene	ND		0.00967	1	01/10/2024 20:09	WG2204827
1,2-Dichloropropane	ND		0.00967	1	01/10/2024 20:09	WG2204827
1,1-Dichloropropene	ND	J3	0.00483	1	01/10/2024 20:09	WG2204827
1,3-Dichloropropane	ND		0.00967	1	01/10/2024 20:09	WG2204827
cis-1,3-Dichloropropene	ND		0.00483	1	01/10/2024 20:09	WG2204827
trans-1,3-Dichloropropene	ND		0.00967	1	01/10/2024 20:09	WG2204827
2,2-Dichloropropane	ND		0.00483	1	01/10/2024 20:09	WG2204827
Di-isopropyl ether	ND		0.00193	1	01/10/2024 20:09	WG2204827
Ethylbenzene	ND		0.00483	1	01/10/2024 20:09	WG2204827
Hexachloro-1,3-butadiene	ND		0.0483	1	01/10/2024 20:09	WG2204827
Isopropylbenzene	ND		0.00483	1	01/10/2024 20:09	WG2204827
p-Isopropyltoluene	ND		0.00967	1	01/10/2024 20:09	WG2204827
2-Butanone (MEK)	ND		0.193	1	01/10/2024 20:09	WG2204827
Methylene Chloride	ND		0.0483	1	01/10/2024 20:09	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0483	1	01/10/2024 20:09	WG2204827
Methyl tert-butyl ether	ND		0.00193	1	01/10/2024 20:09	WG2204827
Naphthalene	ND		0.0242	1	01/10/2024 20:09	WG2204827
n-Propylbenzene	ND		0.00967	1	01/10/2024 20:09	WG2204827
Styrene	ND		0.0242	1	01/10/2024 20:09	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00483	1	01/10/2024 20:09	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00483	1	01/10/2024 20:09	WG2204827
Tetrachloroethene	ND	J3	0.00483	1	01/10/2024 20:09	WG2204827
Toluene	ND		0.00967	1	01/10/2024 20:09	WG2204827
1,2,3-Trichlorobenzene	ND		0.0242	1	01/10/2024 20:09	WG2204827
1,2,4-Trichlorobenzene	ND		0.0242	1	01/10/2024 20:09	WG2204827
1,1,1-Trichloroethane	ND		0.00483	1	01/10/2024 20:09	WG2204827
1,1,2-Trichloroethane	ND		0.00483	1	01/10/2024 20:09	WG2204827
Trichloroethene	ND		0.00193	1	01/10/2024 20:09	WG2204827
Trichlorofluoromethane	ND	C3	0.00483	1	01/10/2024 20:09	WG2204827
1,2,3-Trichloropropane	ND		0.0242	1	01/10/2024 20:09	WG2204827
1,2,4-Trimethylbenzene	ND		0.00967	1	01/10/2024 20:09	WG2204827
1,3,5-Trimethylbenzene	ND		0.00967	1	01/10/2024 20:09	WG2204827
Vinyl chloride	ND	C3 J3	0.00483	1	01/10/2024 20:09	WG2204827
Xylenes, Total	ND		0.0126	1	01/10/2024 20:09	WG2204827
(S) Toluene-d8	101		75.0-131		01/10/2024 20:09	WG2204827
(S) 4-Bromofluorobenzene	110		67.0-138		01/10/2024 20:09	WG2204827
(S) 1,2-Dichloroethane-d4	84.9		70.0-130		01/10/2024 20:09	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0479	1	01/08/2024 20:37	WG2202493
Acenaphthylene	ND		0.0479	1	01/08/2024 20:37	WG2202493
Anthracene	ND		0.0479	1	01/08/2024 20:37	WG2202493
Benzidine	ND		2.40	1	01/08/2024 20:37	WG2202493
Benzo(a)anthracene	0.143		0.0479	1	01/08/2024 20:37	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.272		0.0479	1	01/08/2024 20:37	WG2202493
Benzo(k)fluoranthene	0.0859		0.0479	1	01/08/2024 20:37	WG2202493
Benzo(g,h,i)perylene	0.0643		0.0479	1	01/08/2024 20:37	WG2202493
Benzo(a)pyrene	0.176		0.0479	1	01/08/2024 20:37	WG2202493
Bis(2-chloroethoxy)methane	ND		0.479	1	01/08/2024 20:37	WG2202493
Bis(2-chloroethyl)ether	ND		0.479	1	01/08/2024 20:37	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.479	1	01/08/2024 20:37	WG2202493
4-Bromophenyl-phenylether	ND		0.479	1	01/08/2024 20:37	WG2202493
2-Chloronaphthalene	ND		0.0479	1	01/08/2024 20:37	WG2202493
4-Chlorophenyl-phenylether	ND		0.479	1	01/08/2024 20:37	WG2202493
Chrysene	0.134		0.0479	1	01/08/2024 20:37	WG2202493
Dibenz(a,h)anthracene	ND		0.0479	1	01/08/2024 20:37	WG2202493
3,3-Dichlorobenzidine	ND		0.479	1	01/08/2024 20:37	WG2202493
2,4-Dinitrotoluene	ND		0.479	1	01/08/2024 20:37	WG2202493
2,6-Dinitrotoluene	ND		0.479	1	01/08/2024 20:37	WG2202493
Fluoranthene	0.312		0.0479	1	01/08/2024 20:37	WG2202493
Fluorene	ND		0.0479	1	01/08/2024 20:37	WG2202493
Hexachlorobenzene	ND		0.479	1	01/08/2024 20:37	WG2202493
Hexachloro-1,3-butadiene	ND		0.479	1	01/08/2024 20:37	WG2202493
Hexachlorocyclopentadiene	ND		0.479	1	01/08/2024 20:37	WG2202493
Hexachloroethane	ND		0.479	1	01/08/2024 20:37	WG2202493
Indeno(1,2,3-cd)pyrene	0.0707		0.0479	1	01/08/2024 20:37	WG2202493
Isophorone	ND		0.479	1	01/08/2024 20:37	WG2202493
Naphthalene	ND		0.0479	1	01/08/2024 20:37	WG2202493
Nitrobenzene	ND		0.479	1	01/08/2024 20:37	WG2202493
n-Nitrosodimethylamine	ND		0.479	1	01/08/2024 20:37	WG2202493
n-Nitrosodiphenylamine	ND		0.479	1	01/08/2024 20:37	WG2202493
n-Nitrosodi-n-propylamine	ND		0.479	1	01/08/2024 20:37	WG2202493
Phenanthrene	0.166		0.0479	1	01/08/2024 20:37	WG2202493
Benzylbutyl phthalate	ND		0.479	1	01/08/2024 20:37	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.479	1	01/08/2024 20:37	WG2202493
Di-n-butyl phthalate	ND		0.479	1	01/08/2024 20:37	WG2202493
Diethyl phthalate	ND		0.479	1	01/08/2024 20:37	WG2202493
Dimethyl phthalate	ND		0.479	1	01/08/2024 20:37	WG2202493
Di-n-octyl phthalate	ND		0.479	1	01/08/2024 20:37	WG2202493
Pyrene	0.294		0.0479	1	01/08/2024 20:37	WG2202493
1,2,4-Trichlorobenzene	ND		0.479	1	01/08/2024 20:37	WG2202493
4-Chloro-3-methylphenol	ND		0.479	1	01/08/2024 20:37	WG2202493
2-Chlorophenol	ND		0.479	1	01/08/2024 20:37	WG2202493
2,4-Dichlorophenol	ND		0.479	1	01/08/2024 20:37	WG2202493
2,4-Dimethylphenol	ND		0.479	1	01/08/2024 20:37	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.479	1	01/08/2024 20:37	WG2202493
2,4-Dinitrophenol	ND		0.479	1	01/08/2024 20:37	WG2202493
2-Nitrophenol	ND		0.479	1	01/08/2024 20:37	WG2202493
4-Nitrophenol	ND		0.479	1	01/08/2024 20:37	WG2202493
Pentachlorophenol	ND		0.479	1	01/08/2024 20:37	WG2202493
Phenol	ND		0.479	1	01/08/2024 20:37	WG2202493
2,4,6-Trichlorophenol	ND		0.479	1	01/08/2024 20:37	WG2202493
(S) 2-Fluorophenol	57.9		12.0-120		01/08/2024 20:37	WG2202493
(S) Phenol-d5	56.1		10.0-120		01/08/2024 20:37	WG2202493
(S) Nitrobenzene-d5	46.6		10.0-122		01/08/2024 20:37	WG2202493
(S) 2-Fluorobiphenyl	53.4		15.0-120		01/08/2024 20:37	WG2202493
(S) 2,4,6-Tribromophenol	58.5		10.0-127		01/08/2024 20:37	WG2202493
(S) p-Terphenyl-d14	60.2		10.0-120		01/08/2024 20:37	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	01/07/2024 18:38	WG2202723
Acrolein	ND	J4	50.0	1	01/07/2024 18:38	WG2202723
Acrylonitrile	ND		10.0	1	01/07/2024 18:38	WG2202723
Benzene	ND		1.00	1	01/07/2024 18:38	WG2202723
Bromobenzene	ND		1.00	1	01/07/2024 18:38	WG2202723
Bromodichloromethane	ND		1.00	1	01/07/2024 18:38	WG2202723
Bromoform	ND	C3	1.00	1	01/07/2024 18:38	WG2202723
Bromomethane	ND	C3	5.00	1	01/07/2024 18:38	WG2202723
n-Butylbenzene	ND		1.00	1	01/07/2024 18:38	WG2202723
sec-Butylbenzene	ND		1.00	1	01/07/2024 18:38	WG2202723
tert-Butylbenzene	ND		1.00	1	01/07/2024 18:38	WG2202723
Carbon tetrachloride	ND		1.00	1	01/07/2024 18:38	WG2202723
Chlorobenzene	ND		1.00	1	01/07/2024 18:38	WG2202723
Chlorodibromomethane	ND	J4	1.00	1	01/07/2024 18:38	WG2202723
Chloroethane	ND		5.00	1	01/07/2024 18:38	WG2202723
Chloroform	ND		5.00	1	01/07/2024 18:38	WG2202723
Chloromethane	ND		2.50	1	01/07/2024 18:38	WG2202723
2-Chlorotoluene	ND		1.00	1	01/07/2024 18:38	WG2202723
4-Chlorotoluene	ND		1.00	1	01/07/2024 18:38	WG2202723
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	01/07/2024 18:38	WG2202723
1,2-Dibromoethane	ND		1.00	1	01/07/2024 18:38	WG2202723
Dibromomethane	ND		1.00	1	01/07/2024 18:38	WG2202723
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 18:38	WG2202723
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 18:38	WG2202723
1,4-Dichlorobenzene	ND		1.00	1	01/07/2024 18:38	WG2202723
Dichlorodifluoromethane	ND	J3	5.00	1	01/07/2024 18:38	WG2202723
1,1-Dichloroethane	ND		1.00	1	01/07/2024 18:38	WG2202723
1,2-Dichloroethane	ND		1.00	1	01/07/2024 18:38	WG2202723
1,1-Dichloroethene	ND		1.00	1	01/07/2024 18:38	WG2202723
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 18:38	WG2202723
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 18:38	WG2202723
1,2-Dichloropropane	ND		1.00	1	01/07/2024 18:38	WG2202723
1,1-Dichloropropene	ND		1.00	1	01/07/2024 18:38	WG2202723
1,3-Dichloropropane	ND		1.00	1	01/07/2024 18:38	WG2202723
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 18:38	WG2202723
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 18:38	WG2202723
2,2-Dichloropropane	ND		1.00	1	01/07/2024 18:38	WG2202723
Di-isopropyl ether	ND		1.00	1	01/07/2024 18:38	WG2202723
Ethylbenzene	ND		1.00	1	01/07/2024 18:38	WG2202723
Hexachloro-1,3-butadiene	ND		1.00	1	01/07/2024 18:38	WG2202723
Isopropylbenzene	ND		1.00	1	01/07/2024 18:38	WG2202723
p-Isopropyltoluene	ND		1.00	1	01/07/2024 18:38	WG2202723
2-Butanone (MEK)	ND		10.0	1	01/07/2024 18:38	WG2202723
Methylene Chloride	ND		5.00	1	01/07/2024 18:38	WG2202723
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/07/2024 18:38	WG2202723
Methyl tert-butyl ether	ND		1.00	1	01/07/2024 18:38	WG2202723
Naphthalene	ND	C3	5.00	1	01/07/2024 18:38	WG2202723
n-Propylbenzene	ND		1.00	1	01/07/2024 18:38	WG2202723
Styrene	ND		1.00	1	01/07/2024 18:38	WG2202723
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 18:38	WG2202723
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 18:38	WG2202723
Tetrachloroethene	ND		1.00	1	01/07/2024 18:38	WG2202723
Toluene	ND		1.00	1	01/07/2024 18:38	WG2202723
1,2,3-Trichlorobenzene	ND	C3	1.00	1	01/07/2024 18:38	WG2202723
1,2,4-Trichlorobenzene	ND		1.00	1	01/07/2024 18:38	WG2202723
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 18:38	WG2202723

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 18:38	WG2202723
Trichloroethene	ND		1.00	1	01/07/2024 18:38	WG2202723
Trichlorofluoromethane	ND		5.00	1	01/07/2024 18:38	WG2202723
1,2,3-Trichloropropane	ND		2.50	1	01/07/2024 18:38	WG2202723
1,2,4-Trimethylbenzene	ND		1.00	1	01/07/2024 18:38	WG2202723
1,3,5-Trimethylbenzene	ND		1.00	1	01/07/2024 18:38	WG2202723
Vinyl chloride	ND		1.00	1	01/07/2024 18:38	WG2202723
Xylenes, Total	ND		3.00	1	01/07/2024 18:38	WG2202723
(S) Toluene-d8	103		80.0-120		01/07/2024 18:38	WG2202723
(S) 4-Bromofluorobenzene	99.1		77.0-126		01/07/2024 18:38	WG2202723
(S) 1,2-Dichloroethane-d4	97.5		70.0-130		01/07/2024 18:38	WG2202723

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

Method Blank (MB)

(MB) R4021098-1 01/08/24 12:30

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00300			

1 Cp

2 Tc

3 Ss

L1693662-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1693662-02 01/08/24 12:30 • (DUP) R4021098-3 01/08/24 12:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	80.9	79.4	1	1.84		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4021098-2 01/08/24 12:30

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021096-1 01/08/24 12:22

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

1 Cp

2 Tc

3 Ss

L1693662-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1693662-08 01/08/24 12:22 • (DUP) R4021096-3 01/08/24 12:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	81.7	81.0	1	0.833		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4021096-2 01/08/24 12:22

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021047-1 01/08/24 23:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1693662-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1693662-01 01/08/24 23:39 • (DUP) R4021047-3 01/08/24 23:45

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

L1693674-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1693674-03 01/09/24 02:14 • (DUP) R4021047-12 01/09/24 02:20

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	46.5	P1	20

Laboratory Control Sample (LCS)

(LCS) R4021047-2 01/08/24 23:33

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.8	108	80.0-120	

L1693662-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693662-04 01/09/24 00:04 • (MS) R4021047-5 01/09/24 00:16 • (MSD) R4021047-6 01/09/24 00:23

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	24.2	ND	ND	ND	0.000	0.000	1	75.0-125	J6	J6	0.000	20

L1693674-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693674-01 01/09/24 01:24 • (MS) R4021047-9 01/09/24 01:37 • (MSD) R4021047-10 01/09/24 01:55

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	25.8	ND	ND	ND	0.000	0.000	1	75.0-125	<u>J6</u>	<u>J6</u>	0.000	20

L1693662-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1693662-04 01/09/24 00:04 • (MS) R4021047-7 01/09/24 00:41

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	775	ND	ND	0.000	50	75.0-125	<u>J6</u>

L1693674-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1693674-01 01/09/24 01:24 • (MS) R4021047-11 01/09/24 02:02

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	823	ND	242	29.4	50	75.0-125	<u>J6</u>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4020492-1 01/06/24 19:14

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4020492-2 01/06/24 19:16

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.507	101	80.0-120	

4 Cn

5 Sr

L1693625-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693625-17 01/06/24 19:18 • (MS) R4020492-3 01/06/24 19:21 • (MSD) R4020492-4 01/06/24 19:24

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.500	ND	0.413	0.413	82.6	82.6	1	75.0-125			0.0115	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4020520-1 01/06/24 20:28

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R4020520-2 01/06/24 20:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.474	94.8	80.0-120	

⁴Cn

⁵Sr

L1693662-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693662-08 01/06/24 21:24 • (MS) R4020520-3 01/06/24 21:27 • (MSD) R4020520-4 01/06/24 21:29

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.612	ND	0.551	0.544	84.8	83.7	1	75.0-125			1.29	20

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4025939-1 01/24/24 18:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	0.353	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	U		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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4025939-2 01/24/24 18:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	104	104	80.0-120	
Arsenic	100	101	101	80.0-120	
Barium	100	97.4	97.4	80.0-120	
Beryllium	100	97.4	97.4	80.0-120	
Cadmium	100	106	106	80.0-120	
Chromium	100	102	102	80.0-120	
Cobalt	100	105	105	80.0-120	
Copper	100	104	104	80.0-120	
Lead	100	105	105	80.0-120	
Manganese	100	102	102	80.0-120	
Nickel	100	106	106	80.0-120	
Selenium	100	103	103	80.0-120	
Silver	20.0	20.7	103	80.0-120	
Thallium	100	104	104	80.0-120	
Vanadium	100	101	101	80.0-120	
Zinc	100	99.1	99.1	80.0-120	

L1693662-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693662-08 01/24/24 18:06 • (MS) R4025939-5 01/24/24 18:16 • (MSD) R4025939-6 01/24/24 18:19

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	122	ND	108	116	87.7	94.9	5	75.0-125			7.86	20
Arsenic	122	2.10	131	140	106	113	5	75.0-125			6.51	20
Barium	122	92.4	256	273	134	148	5	75.0-125	<u>J5</u>	<u>J5</u>	6.41	20
Beryllium	122	ND	133	140	108	114	5	75.0-125	<u>E</u>	<u>E</u>	5.32	20
Cadmium	122	ND	147	154	120	125	5	75.0-125			4.61	20
Chromium	122	30.7	174	188	117	129	5	75.0-125		<u>J5</u>	8.03	20
Cobalt	122	10.0	150	162	114	124	5	75.0-125			7.55	20
Copper	122	14.1	157	169	117	127	5	75.0-125		<u>J5</u>	7.44	20
Lead	122	21.5	167	189	119	137	5	75.0-125		<u>J5</u>	12.2	20
Manganese	122	447	1030	857	479	335	5	75.0-125	<u>J5</u>	<u>J5</u>	18.6	20
Nickel	122	15.6	160	173	118	128	5	75.0-125		<u>J5</u>	7.78	20
Selenium	122	ND	140	151	114	123	5	75.0-125			7.66	20
Silver	24.5	ND	28.8	30.6	117	124	5	75.0-125			6.05	20
Thallium	122	ND	138	151	112	123	5	75.0-125			9.29	20
Vanadium	122	36.4	182	195	119	130	5	75.0-125		<u>J5</u>	6.90	20
Zinc	122	35.5	180	199	118	134	5	75.0-125		<u>J5</u>	9.88	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4025715-1 01/24/24 10:34

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	U		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

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

Laboratory Control Sample (LCS)

(LCS) R4025715-2 01/24/24 10:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	103	103	80.0-120	
Arsenic	100	92.5	92.5	80.0-120	
Barium	100	90.5	90.5	80.0-120	
Beryllium	100	80.2	80.2	80.0-120	
Cadmium	100	95.5	95.5	80.0-120	
Chromium	100	92.9	92.9	80.0-120	
Cobalt	100	94.0	94.0	80.0-120	
Copper	100	93.8	93.8	80.0-120	
Lead	100	90.8	90.8	80.0-120	
Manganese	100	93.7	93.7	80.0-120	
Nickel	100	94.1	94.1	80.0-120	
Selenium	100	94.1	94.1	80.0-120	
Silver	20.0	18.4	92.2	80.0-120	
Thallium	100	89.8	89.8	80.0-120	
Vanadium	100	90.4	90.4	80.0-120	
Zinc	100	93.3	93.3	80.0-120	

L1693674-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693674-12 01/24/24 10:41 • (MS) R4025715-5 01/24/24 10:51 • (MSD) R4025715-6 01/24/24 10:54

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	119	ND	140	128	117	107	5	75.0-125			8.46	20
Arsenic	119	2.45	139	140	114	115	5	75.0-125			0.513	20
Barium	119	84.0	217	224	111	117	5	75.0-125			3.36	20
Beryllium	119	ND	127	126	106	105	5	75.0-125			0.325	20
Cadmium	119	ND	144	147	121	123	5	75.0-125			1.99	20
Chromium	119	29.9	182	263	127	195	5	75.0-125	J5	J3 J5	36.4	20
Cobalt	119	13.5	153	156	117	119	5	75.0-125			2.02	20
Copper	119	16.6	159	164	119	123	5	75.0-125			2.78	20
Lead	119	26.4	167	164	118	116	5	75.0-125			1.64	20
Manganese	119	627	561	594	0.000	0.000	5	75.0-125	V	V	5.68	20
Nickel	119	16.7	165	165	124	124	5	75.0-125			0.0292	20
Selenium	119	ND	140	140	117	117	5	75.0-125			0.273	20
Silver	23.9	ND	28.7	28.4	118	118	5	75.0-125			0.777	20
Thallium	119	ND	139	142	116	119	5	75.0-125			2.26	20
Vanadium	119	36.8	184	185	124	124	5	75.0-125			0.387	20
Zinc	119	46.8	188	188	119	119	5	75.0-125			0.0670	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022075-3 01/07/24 14:38

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022075-3 01/07/24 14:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	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	105			80.0-120
(S) 4-Bromofluorobenzene	100			77.0-126
(S) 1,2-Dichloroethane-d4	97.2			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022075-1 01/07/24 13:38 • (LCSD) R4022075-2 01/07/24 13:58

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Acetone	25.0	24.2	23.3	96.8	93.2	19.0-160			3.79	27
Acrolein	25.0	64.8	53.6	259	214	10.0-160	<u>J4</u>	<u>J4</u>	18.9	26
Acrylonitrile	25.0	25.5	23.0	102	92.0	55.0-149			10.3	20
Benzene	5.00	5.37	4.84	107	96.8	70.0-123			10.4	20
Bromobenzene	5.00	5.11	4.85	102	97.0	73.0-121			5.22	20
Bromodichloromethane	5.00	4.83	4.46	96.6	89.2	75.0-120			7.97	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022075-1 01/07/24 13:38 • (LCSD) R4022075-2 01/07/24 13:58

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	3.65	3.40	73.0	68.0	68.0-132			7.09	20
Bromomethane	5.00	3.50	3.42	70.0	68.4	10.0-160			2.31	25
n-Butylbenzene	5.00	4.17	3.98	83.4	79.6	73.0-125			4.66	20
sec-Butylbenzene	5.00	4.62	4.50	92.4	90.0	75.0-125			2.63	20
tert-Butylbenzene	5.00	4.59	4.39	91.8	87.8	76.0-124			4.45	20
Carbon tetrachloride	5.00	4.35	4.26	87.0	85.2	68.0-126			2.09	20
Chlorobenzene	5.00	4.62	4.16	92.4	83.2	80.0-121			10.5	20
Chlorodibromomethane	5.00	4.00	3.77	80.0	75.4	77.0-125		J4	5.92	20
Chloroethane	5.00	6.00	5.37	120	107	47.0-150			11.1	20
Chloroform	5.00	5.21	4.72	104	94.4	73.0-120			9.87	20
Chloromethane	5.00	5.28	4.41	106	88.2	41.0-142			18.0	20
2-Chlorotoluene	5.00	5.00	4.59	100	91.8	76.0-123			8.55	20
4-Chlorotoluene	5.00	4.82	4.49	96.4	89.8	75.0-122			7.09	20
1,2-Dibromo-3-Chloropropane	5.00	3.57	3.44	71.4	68.8	58.0-134			3.71	20
1,2-Dibromoethane	5.00	4.64	4.16	92.8	83.2	80.0-122			10.9	20
Dibromomethane	5.00	5.00	4.58	100	91.6	80.0-120			8.77	20
1,2-Dichlorobenzene	5.00	4.50	4.22	90.0	84.4	79.0-121			6.42	20
1,3-Dichlorobenzene	5.00	4.43	4.19	88.6	83.8	79.0-120			5.57	20
1,4-Dichlorobenzene	5.00	4.41	4.15	88.2	83.0	79.0-120			6.07	20
Dichlorodifluoromethane	5.00	5.70	4.39	114	87.8	51.0-149		J3	26.0	20
1,1-Dichloroethane	5.00	5.25	4.83	105	96.6	70.0-126			8.33	20
1,2-Dichloroethane	5.00	5.35	4.89	107	97.8	70.0-128			8.98	20
1,1-Dichloroethene	5.00	5.09	4.67	102	93.4	71.0-124			8.61	20
cis-1,2-Dichloroethene	5.00	5.08	4.62	102	92.4	73.0-120			9.48	20
trans-1,2-Dichloroethene	5.00	5.19	4.61	104	92.2	73.0-120			11.8	20
1,2-Dichloropropane	5.00	5.16	4.66	103	93.2	77.0-125			10.2	20
1,1-Dichloropropene	5.00	5.21	4.93	104	98.6	74.0-126			5.52	20
1,3-Dichloropropane	5.00	4.98	4.53	99.6	90.6	80.0-120			9.46	20
cis-1,3-Dichloropropene	5.00	5.18	4.63	104	92.6	80.0-123			11.2	20
trans-1,3-Dichloropropene	5.00	4.78	4.24	95.6	84.8	78.0-124			12.0	20
2,2-Dichloropropane	5.00	4.89	4.42	97.8	88.4	58.0-130			10.1	20
Di-isopropyl ether	5.00	5.02	4.51	100	90.2	58.0-138			10.7	20
Ethylbenzene	5.00	4.60	4.33	92.0	86.6	79.0-123			6.05	20
Hexachloro-1,3-butadiene	5.00	4.22	3.86	84.4	77.2	54.0-138			8.91	20
Isopropylbenzene	5.00	4.43	4.19	88.6	83.8	76.0-127			5.57	20
p-Isopropyltoluene	5.00	4.59	4.40	91.8	88.0	76.0-125			4.23	20
2-Butanone (MEK)	25.0	23.4	21.4	93.6	85.6	44.0-160			8.93	20
Methylene Chloride	5.00	5.22	4.76	104	95.2	67.0-120			9.22	20
4-Methyl-2-pentanone (MIBK)	25.0	25.1	22.7	100	90.8	68.0-142			10.0	20
Methyl tert-butyl ether	5.00	5.26	4.70	105	94.0	68.0-125			11.2	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022075-1 01/07/24 13:38 • (LCSD) R4022075-2 01/07/24 13:58

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	3.41	3.76	68.2	75.2	54.0-135			9.76	20
n-Propylbenzene	5.00	4.93	4.65	98.6	93.0	77.0-124			5.85	20
Styrene	5.00	4.48	4.13	89.6	82.6	73.0-130			8.13	20
1,1,1,2-Tetrachloroethane	5.00	4.09	3.86	81.8	77.2	75.0-125			5.79	20
1,1,2,2-Tetrachloroethane	5.00	5.15	4.77	103	95.4	65.0-130			7.66	20
Tetrachloroethene	5.00	4.36	4.02	87.2	80.4	72.0-132			8.11	20
Toluene	5.00	4.75	4.35	95.0	87.0	79.0-120			8.79	20
1,2,3-Trichlorobenzene	5.00	3.96	4.11	79.2	82.2	50.0-138			3.72	20
1,2,4-Trichlorobenzene	5.00	4.26	4.01	85.2	80.2	57.0-137			6.05	20
1,1,1-Trichloroethane	5.00	4.72	4.43	94.4	88.6	73.0-124			6.34	20
1,1,2-Trichloroethane	5.00	4.87	4.47	97.4	89.4	80.0-120			8.57	20
Trichloroethene	5.00	4.83	4.32	96.6	86.4	78.0-124			11.1	20
Trichlorofluoromethane	5.00	4.48	4.45	89.6	89.0	59.0-147			0.672	20
1,2,3-Trichloropropane	5.00	5.03	4.58	101	91.6	73.0-130			9.37	20
1,2,4-Trimethylbenzene	5.00	4.76	4.36	95.2	87.2	76.0-121			8.77	20
1,3,5-Trimethylbenzene	5.00	4.69	4.39	93.8	87.8	76.0-122			6.61	20
Vinyl chloride	5.00	5.96	5.13	119	103	67.0-131			15.0	20
Xylenes, Total	15.0	13.7	12.5	91.3	83.3	79.0-123			9.16	20
(S) Toluene-d8				101	101	80.0-120				
(S) 4-Bromofluorobenzene				99.2	99.2	77.0-126				
(S) 1,2-Dichloroethane-d4				97.9	97.6	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022210-3 01/10/24 11:55

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022210-3 01/10/24 11:55

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	104			75.0-131
(S) 4-Bromofluorobenzene	101			67.0-138
(S) 1,2-Dichloroethane-d4	91.9			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022210-1 01/10/24 10:16 • (LCSD) R4022210-2 01/10/24 10:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.563	0.525	90.1	84.0	10.0-160			6.99	31
Acrylonitrile	0.625	0.566	0.569	90.6	91.0	45.0-153			0.529	22
Benzene	0.125	0.126	0.125	101	100	70.0-123			0.797	20
Bromobenzene	0.125	0.141	0.139	113	111	73.0-121			1.43	20
Bromodichloromethane	0.125	0.120	0.115	96.0	92.0	73.0-121			4.26	20
Bromoform	0.125	0.121	0.114	96.8	91.2	64.0-132			5.96	20
Bromomethane	0.125	0.138	0.135	110	108	56.0-147			2.20	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022210-1 01/10/24 10:16 • (LCSD) R4022210-2 01/10/24 10:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.124	0.129	99.2	103	68.0-135			3.95	20
sec-Butylbenzene	0.125	0.132	0.130	106	104	74.0-130			1.53	20
tert-Butylbenzene	0.125	0.136	0.132	109	106	75.0-127			2.99	20
Carbon tetrachloride	0.125	0.129	0.127	103	102	66.0-128			1.56	20
Chlorobenzene	0.125	0.137	0.130	110	104	76.0-128			5.24	20
Chlorodibromomethane	0.125	0.126	0.121	101	96.8	74.0-127			4.05	20
Chloroethane	0.125	0.168	0.164	134	131	61.0-134			2.41	20
Chloroform	0.125	0.126	0.121	101	96.8	72.0-123			4.05	20
Chloromethane	0.125	0.122	0.118	97.6	94.4	51.0-138			3.33	20
2-Chlorotoluene	0.125	0.129	0.135	103	108	75.0-124			4.55	20
4-Chlorotoluene	0.125	0.133	0.129	106	103	75.0-124			3.05	20
1,2-Dibromo-3-Chloropropane	0.125	0.109	0.110	87.2	88.0	59.0-130			0.913	20
1,2-Dibromoethane	0.125	0.126	0.121	101	96.8	74.0-128			4.05	20
Dibromomethane	0.125	0.120	0.114	96.0	91.2	75.0-122			5.13	20
1,2-Dichlorobenzene	0.125	0.125	0.122	100	97.6	76.0-124			2.43	20
1,3-Dichlorobenzene	0.125	0.128	0.126	102	101	76.0-125			1.57	20
1,4-Dichlorobenzene	0.125	0.129	0.121	103	96.8	77.0-121			6.40	20
Dichlorodifluoromethane	0.125	0.107	0.107	85.6	85.6	43.0-156			0.000	20
1,1-Dichloroethane	0.125	0.125	0.119	100	95.2	70.0-127			4.92	20
1,2-Dichloroethane	0.125	0.117	0.115	93.6	92.0	65.0-131			1.72	20
1,1-Dichloroethene	0.125	0.123	0.117	98.4	93.6	65.0-131			5.00	20
cis-1,2-Dichloroethene	0.125	0.125	0.123	100	98.4	73.0-125			1.61	20
trans-1,2-Dichloroethene	0.125	0.123	0.118	98.4	94.4	71.0-125			4.15	20
1,2-Dichloropropane	0.125	0.125	0.123	100	98.4	74.0-125			1.61	20
1,1-Dichloropropene	0.125	0.129	0.127	103	102	73.0-125			1.56	20
1,3-Dichloropropane	0.125	0.127	0.123	102	98.4	80.0-125			3.20	20
cis-1,3-Dichloropropene	0.125	0.122	0.122	97.6	97.6	76.0-127			0.000	20
trans-1,3-Dichloropropene	0.125	0.124	0.124	99.2	99.2	73.0-127			0.000	20
2,2-Dichloropropane	0.125	0.136	0.136	109	109	59.0-135			0.000	20
Di-isopropyl ether	0.125	0.121	0.116	96.8	92.8	60.0-136			4.22	20
Ethylbenzene	0.125	0.133	0.129	106	103	74.0-126			3.05	20
Hexachloro-1,3-butadiene	0.125	0.128	0.155	102	124	57.0-150			19.1	20
Isopropylbenzene	0.125	0.128	0.131	102	105	72.0-127			2.32	20
p-Isopropyltoluene	0.125	0.138	0.131	110	105	72.0-133			5.20	20
2-Butanone (MEK)	0.625	0.540	0.426	86.4	68.2	30.0-160			23.6	24
Methylene Chloride	0.125	0.121	0.112	96.8	89.6	68.0-123			7.73	20
4-Methyl-2-pentanone (MIBK)	0.625	0.602	0.588	96.3	94.1	56.0-143			2.35	20
Methyl tert-butyl ether	0.125	0.116	0.114	92.8	91.2	66.0-132			1.74	20
Naphthalene	0.125	0.100	0.0947	80.0	75.8	59.0-130			5.44	20
n-Propylbenzene	0.125	0.126	0.126	101	101	74.0-126			0.000	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022210-1 01/10/24 10:16 • (LCSD) R4022210-2 01/10/24 10:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Styrene	0.125	0.128	0.127	102	102	72.0-127			0.784	20
1,1,1,2-Tetrachloroethane	0.125	0.132	0.134	106	107	74.0-129			1.50	20
1,1,2,2-Tetrachloroethane	0.125	0.120	0.115	96.0	92.0	68.0-128			4.26	20
Tetrachloroethene	0.125	0.147	0.143	118	114	70.0-136			2.76	20
Toluene	0.125	0.132	0.131	106	105	75.0-121			0.760	20
1,2,3-Trichlorobenzene	0.125	0.122	0.115	97.6	92.0	59.0-139			5.91	20
1,2,4-Trichlorobenzene	0.125	0.117	0.120	93.6	96.0	62.0-137			2.53	20
1,1,1-Trichloroethane	0.125	0.135	0.134	108	107	69.0-126			0.743	20
1,1,2-Trichloroethane	0.125	0.122	0.125	97.6	100	78.0-123			2.43	20
Trichloroethene	0.125	0.144	0.142	115	114	76.0-126			1.40	20
Trichlorofluoromethane	0.125	0.0959	0.0981	76.7	78.5	61.0-142			2.27	20
1,2,3-Trichloropropane	0.125	0.120	0.124	96.0	99.2	67.0-129			3.28	20
1,2,4-Trimethylbenzene	0.125	0.126	0.123	101	98.4	70.0-126			2.41	20
1,3,5-Trimethylbenzene	0.125	0.126	0.125	101	100	73.0-127			0.797	20
Vinyl chloride	0.125	0.120	0.117	96.0	93.6	63.0-134			2.53	20
Xylenes, Total	0.375	0.381	0.373	102	99.5	72.0-127			2.12	20
(S) Toluene-d8				101	101	75.0-131				
(S) 4-Bromofluorobenzene				94.9	92.4	67.0-138				
(S) 1,2-Dichloroethane-d4				96.4	94.9	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1693639-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693639-01 01/10/24 15:26 • (MS) R4022210-4 01/10/24 19:43 • (MSD) R4022210-5 01/10/24 20:03

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 %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acetone	0.867	ND	0.563	0.422	64.9	48.7	1	10.0-160			28.5	40
Acrylonitrile	0.867	ND	0.956	0.430	110	49.6	1	10.0-160		UB	75.8	40
Benzene	0.174	ND	0.218	0.116	125	66.4	1	10.0-149		UB	61.2	37
Bromobenzene	0.174	ND	0.205	0.131	118	75.5	1	10.0-156		UB	43.6	38
Bromodichloromethane	0.174	ND	0.193	0.117	111	66.9	1	10.0-143		UB	49.6	37
Bromoform	0.174	ND	0.166	0.128	95.4	73.2	1	10.0-146			26.2	36
Bromomethane	0.174	ND	0.216	0.117	124	67.0	1	10.0-149		UB	59.7	38
n-Butylbenzene	0.174	ND	0.224	0.142	129	81.8	1	10.0-160		UB	44.6	40
sec-Butylbenzene	0.174	ND	0.214	0.133	123	76.2	1	10.0-159		UB	47.1	39
tert-Butylbenzene	0.174	ND	0.214	0.131	123	75.0	1	10.0-156		UB	48.6	39
Carbon tetrachloride	0.174	ND	0.226	0.124	130	71.1	1	10.0-145		UB	58.3	37
Chlorobenzene	0.174	ND	0.211	0.138	121	79.1	1	10.0-152		UB	42.1	39
Chlorodibromomethane	0.174	ND	0.181	0.125	104	71.7	1	10.0-146			36.5	37
Chloroethane	0.174	ND	0.0859	0.0448	49.4	25.7	1	10.0-146		UB	62.9	40

L1693639-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693639-01 01/10/24 15:26 • (MS) R4022210-4 01/10/24 19:43 • (MSD) R4022210-5 01/10/24 20:03

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	0.174	ND	0.193	0.107	111	61.3	1	10.0-146		J3	57.8	37
Chloromethane	0.174	ND	0.205	0.120	118	68.8	1	10.0-159		J3	52.4	37
2-Chlorotoluene	0.174	ND	0.218	0.138	125	79.0	1	10.0-159		J3	45.1	38
4-Chlorotoluene	0.174	ND	0.203	0.129	117	74.2	1	10.0-155		J3	44.5	39
1,2-Dibromo-3-Chloropropane	0.174	ND	0.144	0.110	82.7	63.0	1	10.0-151			27.1	39
1,2-Dibromoethane	0.174	ND	0.187	0.143	107	82.0	1	10.0-148			26.8	34
Dibromomethane	0.174	ND	0.181	0.136	104	78.3	1	10.0-147			27.9	35
1,2-Dichlorobenzene	0.174	ND	0.211	0.144	121	82.5	1	10.0-155		J3	38.1	37
1,3-Dichlorobenzene	0.174	ND	0.206	0.133	119	76.3	1	10.0-153		J3	43.3	38
1,4-Dichlorobenzene	0.174	ND	0.205	0.130	118	74.9	1	10.0-151		J3	44.3	38
Dichlorodifluoromethane	0.174	ND	0.216	0.111	124	63.8	1	10.0-160		J3	64.2	35
1,1-Dichloroethane	0.174	ND	0.206	0.110	119	63.3	1	10.0-147		J3	60.7	37
1,2-Dichloroethane	0.174	ND	0.169	0.0985	97.2	56.6	1	10.0-148		J3	52.9	35
1,1-Dichloroethene	0.174	ND	0.232	0.122	133	70.0	1	10.0-155		J3	62.3	37
cis-1,2-Dichloroethene	0.174	ND	0.190	0.105	109	60.5	1	10.0-149		J3	57.5	37
trans-1,2-Dichloroethene	0.174	ND	0.203	0.113	117	64.9	1	10.0-150		J3	57.0	37
1,2-Dichloropropane	0.174	ND	0.211	0.130	121	74.7	1	10.0-148		J3	47.5	37
1,1-Dichloropropene	0.174	ND	0.229	0.120	131	69.0	1	10.0-153		J3	62.4	35
1,3-Dichloropropane	0.174	ND	0.197	0.146	113	83.7	1	10.0-154			29.8	35
cis-1,3-Dichloropropene	0.174	ND	0.203	0.125	117	72.0	1	10.0-151		J3	47.3	37
trans-1,3-Dichloropropene	0.174	ND	0.184	0.132	106	75.6	1	10.0-148			33.0	37
2,2-Dichloropropane	0.174	ND	0.197	0.102	113	58.3	1	10.0-138		J3	63.8	36
Di-isopropyl ether	0.174	ND	0.200	0.107	115	61.3	1	10.0-147		J3	60.8	36
Ethylbenzene	0.174	ND	0.211	0.134	121	76.8	1	10.0-160		J3	45.0	38
Hexachloro-1,3-butadiene	0.174	ND	0.248	0.177	143	102	1	10.0-160			33.3	40
Isopropylbenzene	0.174	ND	0.223	0.135	128	77.7	1	10.0-155		J3	48.8	38
p-Isopropyltoluene	0.174	ND	0.235	0.144	135	83.0	1	10.0-160		J3	47.9	40
2-Butanone (MEK)	0.867	ND	0.464	0.314	53.5	36.2	1	10.0-160			38.5	40
Methylene Chloride	0.174	ND	0.192	0.114	110	65.6	1	10.0-141		J3	50.8	37
4-Methyl-2-pentanone (MIBK)	0.867	ND	0.884	0.697	102	80.3	1	10.0-160			23.7	35
Methyl tert-butyl ether	0.174	ND	0.205	0.0980	118	56.3	1	11.0-147		J3	70.5	35
Naphthalene	0.174	ND	0.185	0.143	106	82.3	1	10.0-160			25.6	36
n-Propylbenzene	0.174	ND	0.202	0.124	116	71.1	1	10.0-158		J3	47.8	38
Styrene	0.174	ND	0.203	0.136	117	78.0	1	10.0-160			39.8	40
1,1,1,2-Tetrachloroethane	0.174	ND	0.208	0.137	119	78.7	1	10.0-149		J3	41.1	39
1,1,2,2-Tetrachloroethane	0.174	ND	0.164	0.121	94.4	69.3	1	10.0-160			30.8	35
Tetrachloroethene	0.174	ND	0.234	0.145	134	83.4	1	10.0-156		J3	46.7	39
Toluene	0.174	ND	0.213	0.135	122	77.5	1	10.0-156		J3	44.8	38
1,2,3-Trichlorobenzene	0.174	ND	0.245	0.184	141	106	1	10.0-160			28.6	40

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1693639-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693639-01 01/10/24 15:26 • (MS) R4022210-4 01/10/24 19:43 • (MSD) R4022210-5 01/10/24 20:03

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	0.174	ND	0.256	0.176	147	101	1	10.0-160			37.3	40
1,1,1-Trichloroethane	0.174	ND	0.197	0.115	113	66.2	1	10.0-144		J3	52.2	35
1,1,2-Trichloroethane	0.174	ND	0.187	0.144	107	82.6	1	10.0-160			26.1	35
Trichloroethene	0.174	ND	0.242	0.131	139	75.1	1	10.0-156		J3	59.6	38
Trichlorofluoromethane	0.174	ND	0.161	0.0882	92.5	50.6	1	10.0-160		J3	58.5	40
1,2,3-Trichloropropane	0.174	ND	0.177	0.125	102	71.9	1	10.0-156			34.4	35
1,2,4-Trimethylbenzene	0.174	ND	0.202	0.127	116	72.7	1	10.0-160		J3	45.7	36
1,3,5-Trimethylbenzene	0.174	ND	0.200	0.123	115	70.8	1	10.0-160		J3	47.4	38
Vinyl chloride	0.174	ND	0.202	0.112	116	64.5	1	10.0-160		J3	56.8	37
Xylenes, Total	0.521	ND	0.627	0.398	120	76.5	1	10.0-160		J3	44.7	38
(S) Toluene-d8					99.7	100		75.0-131				
(S) 4-Bromofluorobenzene					97.4	102		67.0-138				
(S) 1,2-Dichloroethane-d4					102	92.8		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022115-3 01/10/24 19:38

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	0.00190	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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022115-3 01/10/24 19:38

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	0.000900	↓	0.000880	0.00650
(S) Toluene-d8	100			75.0-131
(S) 4-Bromofluorobenzene	107			67.0-138
(S) 1,2-Dichloroethane-d4	86.8			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022115-1 01/10/24 18:03 • (LCSD) R4022115-2 01/10/24 18:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.477	0.510	76.3	81.6	10.0-160			6.69	31
Acrylonitrile	0.625	0.646	0.701	103	112	45.0-153			8.17	22
Benzene	0.125	0.114	0.128	91.2	102	70.0-123			11.6	20
Bromobenzene	0.125	0.111	0.126	88.8	101	73.0-121			12.7	20
Bromodichloromethane	0.125	0.124	0.134	99.2	107	73.0-121			7.75	20
Bromoform	0.125	0.130	0.145	104	116	64.0-132			10.9	20
Bromomethane	0.125	0.0789	0.0926	63.1	74.1	56.0-147			16.0	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022115-1 01/10/24 18:03 • (LCSD) R4022115-2 01/10/24 18:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.124	0.146	99.2	117	68.0-135			16.3	20
sec-Butylbenzene	0.125	0.111	0.136	88.8	109	74.0-130		J3	20.2	20
tert-Butylbenzene	0.125	0.115	0.137	92.0	110	75.0-127			17.5	20
Carbon tetrachloride	0.125	0.110	0.133	88.0	106	66.0-128			18.9	20
Chlorobenzene	0.125	0.118	0.135	94.4	108	76.0-128			13.4	20
Chlorodibromomethane	0.125	0.125	0.139	100	111	74.0-127			10.6	20
Chloroethane	0.125	0.0849	0.0997	67.9	79.8	61.0-134			16.0	20
Chloroform	0.125	0.113	0.127	90.4	102	72.0-123			11.7	20
Chloromethane	0.125	0.0926	0.112	74.1	89.6	51.0-138			19.0	20
2-Chlorotoluene	0.125	0.113	0.128	90.4	102	75.0-124			12.4	20
4-Chlorotoluene	0.125	0.110	0.125	88.0	100	75.0-124			12.8	20
1,2-Dibromo-3-Chloropropane	0.125	0.0957	0.112	76.6	89.6	59.0-130			15.7	20
1,2-Dibromoethane	0.125	0.124	0.138	99.2	110	74.0-128			10.7	20
Dibromomethane	0.125	0.117	0.132	93.6	106	75.0-122			12.0	20
1,2-Dichlorobenzene	0.125	0.117	0.129	93.6	103	76.0-124			9.76	20
1,3-Dichlorobenzene	0.125	0.110	0.126	88.0	101	76.0-125			13.6	20
1,4-Dichlorobenzene	0.125	0.109	0.123	87.2	98.4	77.0-121			12.1	20
Dichlorodifluoromethane	0.125	0.0876	0.105	70.1	84.0	43.0-156			18.1	20
1,1-Dichloroethane	0.125	0.121	0.134	96.8	107	70.0-127			10.2	20
1,2-Dichloroethane	0.125	0.103	0.114	82.4	91.2	65.0-131			10.1	20
1,1-Dichloroethene	0.125	0.104	0.128	83.2	102	65.0-131		J3	20.7	20
cis-1,2-Dichloroethene	0.125	0.121	0.135	96.8	108	73.0-125			10.9	20
trans-1,2-Dichloroethene	0.125	0.117	0.137	93.6	110	71.0-125			15.7	20
1,2-Dichloropropane	0.125	0.131	0.143	105	114	74.0-125			8.76	20
1,1-Dichloropropene	0.125	0.108	0.133	86.4	106	73.0-125		J3	20.7	20
1,3-Dichloropropane	0.125	0.121	0.132	96.8	106	80.0-125			8.70	20
cis-1,3-Dichloropropene	0.125	0.139	0.149	111	119	76.0-127			6.94	20
trans-1,3-Dichloropropene	0.125	0.121	0.138	96.8	110	73.0-127			13.1	20
2,2-Dichloropropane	0.125	0.123	0.142	98.4	114	59.0-135			14.3	20
Di-isopropyl ether	0.125	0.125	0.136	100	109	60.0-136			8.43	20
Ethylbenzene	0.125	0.116	0.131	92.8	105	74.0-126			12.1	20
Hexachloro-1,3-butadiene	0.125	0.118	0.144	94.4	115	57.0-150			19.8	20
Isopropylbenzene	0.125	0.118	0.142	94.4	114	72.0-127			18.5	20
p-Isopropyltoluene	0.125	0.119	0.141	95.2	113	72.0-133			16.9	20
2-Butanone (MEK)	0.625	0.672	0.625	108	100	30.0-160			7.25	24
Methylene Chloride	0.125	0.116	0.130	92.8	104	68.0-123			11.4	20
4-Methyl-2-pentanone (MIBK)	0.625	0.614	0.668	98.2	107	56.0-143			8.42	20
Methyl tert-butyl ether	0.125	0.119	0.133	95.2	106	66.0-132			11.1	20
Naphthalene	0.125	0.112	0.134	89.6	107	59.0-130			17.9	20
n-Propylbenzene	0.125	0.108	0.127	86.4	102	74.0-126			16.2	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022115-1 01/10/24 18:03 • (LCSD) R4022115-2 01/10/24 18:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Styrene	0.125	0.120	0.135	96.0	108	72.0-127			11.8	20
1,1,1,2-Tetrachloroethane	0.125	0.114	0.130	91.2	104	74.0-129			13.1	20
1,1,2,2-Tetrachloroethane	0.125	0.110	0.124	88.0	99.2	68.0-128			12.0	20
Tetrachloroethene	0.125	0.109	0.136	87.2	109	70.0-136		J3	22.0	20
Toluene	0.125	0.109	0.128	87.2	102	75.0-121			16.0	20
1,2,3-Trichlorobenzene	0.125	0.107	0.120	85.6	96.0	59.0-139			11.5	20
1,2,4-Trichlorobenzene	0.125	0.108	0.123	86.4	98.4	62.0-137			13.0	20
1,1,1-Trichloroethane	0.125	0.111	0.130	88.8	104	69.0-126			15.8	20
1,1,2-Trichloroethane	0.125	0.121	0.133	96.8	106	78.0-123			9.45	20
Trichloroethene	0.125	0.116	0.137	92.8	110	76.0-126			16.6	20
Trichlorofluoromethane	0.125	0.0954	0.114	76.3	91.2	61.0-142			17.8	20
1,2,3-Trichloropropane	0.125	0.107	0.121	85.6	96.8	67.0-129			12.3	20
1,2,4-Trimethylbenzene	0.125	0.111	0.131	88.8	105	70.0-126			16.5	20
1,3,5-Trimethylbenzene	0.125	0.112	0.132	89.6	106	73.0-127			16.4	20
Vinyl chloride	0.125	0.0941	0.118	75.3	94.4	63.0-134		J3	22.5	20
Xylenes, Total	0.375	0.353	0.398	94.1	106	72.0-127			12.0	20
(S) Toluene-d8				97.8	98.4	75.0-131				
(S) 4-Bromofluorobenzene				108	107	67.0-138				
(S) 1,2-Dichloroethane-d4				92.8	91.3	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021747-2 01/08/24 16:02

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4021747-2 01/08/24 16:02

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	55.7			12.0-120
(S) Phenol-d5	52.6			10.0-120
(S) Nitrobenzene-d5	48.0			10.0-122
(S) 2-Fluorobiphenyl	51.4			15.0-120
(S) 2,4,6-Tribromophenol	42.0			10.0-127
(S) p-Terphenyl-d14	56.8			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4021747-1 01/08/24 15:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.353	53.0	38.0-120	
Acenaphthylene	0.666	0.368	55.3	40.0-120	
Anthracene	0.666	0.388	58.3	42.0-120	
Benzidine	1.33	0.209	15.7	10.0-120	
Benzo(a)anthracene	0.666	0.392	58.9	44.0-120	
Benzo(b)fluoranthene	0.666	0.376	56.5	43.0-120	
Benzo(k)fluoranthene	0.666	0.367	55.1	44.0-120	
Benzo(g,h,i)perylene	0.666	0.417	62.6	43.0-120	
Benzo(a)pyrene	0.666	0.375	56.3	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.314	47.1	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.342	51.4	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.345	51.8	23.0-120	
4-Bromophenyl-phenylether	0.666	0.351	52.7	40.0-120	
2-Chloronaphthalene	0.666	0.354	53.2	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4021747-1 01/08/24 15:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.365	54.8	40.0-120	
Chrysene	0.666	0.376	56.5	43.0-120	
Dibenz(a,h)anthracene	0.666	0.387	58.1	44.0-120	
3,3-Dichlorobenzidine	1.33	0.642	48.3	28.0-120	
2,4-Dinitrotoluene	0.666	0.434	65.2	45.0-120	
2,6-Dinitrotoluene	0.666	0.392	58.9	42.0-120	
Fluoranthene	0.666	0.368	55.3	44.0-120	
Fluorene	0.666	0.370	55.6	41.0-120	
Hexachlorobenzene	0.666	0.343	51.5	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.294	44.1	15.0-120	
Hexachlorocyclopentadiene	0.666	0.357	53.6	15.0-120	
Hexachloroethane	0.666	0.325	48.8	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.354	53.2	45.0-120	
Isophorone	0.666	0.324	48.6	23.0-120	
Naphthalene	0.666	0.307	46.1	18.0-120	
Nitrobenzene	0.666	0.317	47.6	17.0-120	
n-Nitrosodimethylamine	0.666	0.325	48.8	10.0-125	
n-Nitrosodiphenylamine	0.666	0.366	55.0	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.364	54.7	26.0-120	
Phenanthrene	0.666	0.372	55.9	42.0-120	
Benzylbutyl phthalate	0.666	0.429	64.4	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.446	67.0	41.0-120	
Di-n-butyl phthalate	0.666	0.397	59.6	43.0-120	
Diethyl phthalate	0.666	0.398	59.8	43.0-120	
Dimethyl phthalate	0.666	0.391	58.7	43.0-120	
Di-n-octyl phthalate	0.666	0.440	66.1	40.0-120	
Pyrene	0.666	0.401	60.2	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.295	44.3	17.0-120	
4-Chloro-3-methylphenol	0.666	0.334	50.2	28.0-120	
2-Chlorophenol	0.666	0.366	55.0	28.0-120	
2,4-Dichlorophenol	0.666	0.322	48.3	25.0-120	
2,4-Dimethylphenol	0.666	0.512	76.9	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.328	49.2	16.0-120	
2,4-Dinitrophenol	0.666	0.173	26.0	10.0-120	
2-Nitrophenol	0.666	0.331	49.7	20.0-120	
4-Nitrophenol	0.666	0.381	57.2	27.0-120	
Pentachlorophenol	0.666	0.289	43.4	29.0-120	
Phenol	0.666	0.359	53.9	28.0-120	
2,4,6-Trichlorophenol	0.666	0.344	51.7	37.0-120	
(S) 2-Fluorophenol			56.9	12.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4021747-1 01/08/24 15:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			52.7	10.0-120	
(S) Nitrobenzene-d5			50.2	10.0-122	
(S) 2-Fluorobiphenyl			53.2	15.0-120	
(S) 2,4,6-Tribromophenol			48.2	10.0-127	
(S) p-Terphenyl-d14			56.5	10.0-120	

L1693567-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693567-07 01/08/24 23:22 • (MS) R4021747-3 01/08/24 23:47 • (MSD) R4021747-4 01/09/24 00:11

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	0.839	ND	0.414	0.339	49.4	41.1	1	18.0-120			19.9	32
Acenaphthylene	0.839	ND	0.417	0.300	49.7	36.4	1	25.0-120		J3	32.5	32
Anthracene	0.839	ND	0.448	0.366	53.4	44.4	1	22.0-120			20.0	29
Benzidine	1.68	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(a)anthracene	0.839	ND	0.463	0.382	53.4	44.4	1	25.0-120			19.3	29
Benzo(b)fluoranthene	0.839	ND	0.519	0.438	57.8	48.8	1	19.0-122			17.1	31
Benzo(k)fluoranthene	0.839	ND	0.485	0.400	57.9	48.4	1	23.0-120			19.3	30
Benzo(g,h,i)perylene	0.839	ND	0.207	0.202	24.7	24.5	1	10.0-120			2.53	33
Benzo(a)pyrene	0.839	ND	0.448	0.364	53.4	44.0	1	24.0-120			20.7	30
Bis(2-chloroethoxy)methane	0.839	ND	ND	ND	44.9	38.7	1	10.0-120			16.4	34
Bis(2-chloroethyl)ether	0.839	ND	ND	ND	50.3	47.8	1	10.0-120			6.66	40
2,2-Oxybis(1-Chloropropane)	0.839	ND	ND	ND	42.6	35.7	1	10.0-120			19.0	40
4-Bromophenyl-phenylether	0.839	ND	ND	ND	48.9	47.3	1	27.0-120			4.85	30
2-Chloronaphthalene	0.839	ND	0.395	0.289	47.1	35.0	1	20.0-120			31.1	32
4-Chlorophenyl-phenylether	0.839	ND	0.439	ND	52.3	43.3	1	24.0-120			20.5	29
Chrysene	0.839	ND	0.441	0.364	50.8	42.2	1	21.0-120			19.3	29
Dibenz(a,h)anthracene	0.839	ND	0.214	0.186	25.5	22.6	1	10.0-120			13.6	32
3,3-Dichlorobenzidine	1.68	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	34
2,4-Dinitrotoluene	0.839	ND	0.500	ND	59.6	49.7	1	30.0-120			19.6	31
2,6-Dinitrotoluene	0.839	ND	0.449	ND	53.5	39.0	1	25.0-120		J3	32.9	31
Fluoranthene	0.839	ND	0.484	0.391	52.7	42.3	1	18.0-126			21.3	32
Fluorene	0.839	ND	0.439	0.370	50.9	43.4	1	25.0-120			17.0	30
Hexachlorobenzene	0.839	ND	ND	ND	46.9	39.8	1	27.0-120			17.9	28
Hexachloro-1,3-butadiene	0.839	ND	ND	ND	42.3	37.1	1	10.0-120			14.5	38
Hexachlorocyclopentadiene	0.839	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J3 J6	0.000	40
Hexachloroethane	0.839	ND	ND	ND	19.0	14.9	1	10.0-120			25.6	40
Indeno(1,2,3-cd)pyrene	0.839	ND	0.216	0.201	25.8	24.3	1	10.0-120			7.45	32
Isophorone	0.839	ND	ND	ND	47.8	39.5	1	13.0-120			20.6	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1693567-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693567-07 01/08/24 23:22 • (MS) R4021747-3 01/08/24 23:47 • (MSD) R4021747-4 01/09/24 00:11

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	0.839	ND	0.370	0.315	44.1	38.1	1	10.0-120			16.3	35
Nitrobenzene	0.839	ND	ND	ND	46.3	40.3	1	10.0-120			15.4	36
n-Nitrosodimethylamine	0.839	ND	ND	ND	30.4	29.5	1	10.0-127			4.68	40
n-Nitrosodiphenylamine	0.839	ND	0.450	0.439	53.7	53.1	1	17.0-120			2.62	29
n-Nitrosodi-n-propylamine	0.839	ND	0.432	ND	51.5	43.9	1	10.0-120			17.6	37
Phenanthrene	0.839	ND	0.461	0.374	51.1	41.4	1	17.0-120			20.8	31
Benzylbutyl phthalate	0.839	ND	0.536	0.531	63.9	64.3	1	23.0-120			0.971	30
Bis(2-ethylhexyl)phthalate	0.839	ND	0.611	0.519	72.8	62.9	1	17.0-126			16.3	30
Di-n-butyl phthalate	0.839	ND	0.492	ND	58.6	48.4	1	30.0-120			20.6	29
Diethyl phthalate	0.839	ND	0.462	ND	55.1	46.4	1	26.0-120			18.7	28
Dimethyl phthalate	0.839	ND	ND	ND	51.1	37.5	1	25.0-120		J3	32.3	29
Di-n-octyl phthalate	0.839	ND	0.567	0.439	67.6	53.1	1	21.0-123			25.5	29
Pyrene	0.839	0.0572	0.484	0.493	50.9	52.8	1	16.0-121			1.85	32
1,2,4-Trichlorobenzene	0.839	ND	ND	ND	43.1	38.6	1	12.0-120			12.6	37
4-Chloro-3-methylphenol	0.839	ND	ND	ND	25.5	31.3	1	15.0-120			19.2	30
2-Chlorophenol	0.839	ND	ND	ND	45.8	37.1	1	15.0-120			22.5	37
2,4-Dichlorophenol	0.839	ND	ND	ND	42.4	35.6	1	20.0-120			19.1	31
2,4-Dimethylphenol	0.839	1.07	0.601	0.845	0.000	0.000	1	10.0-120	J6	J3 J6	33.8	33
4,6-Dinitro-2-methylphenol	0.839	ND	ND	ND	19.8	20.1	1	10.0-120			0.000	39
2,4-Dinitrophenol	0.839	ND	ND	ND	14.8	13.4	1	10.0-121			11.3	40
2-Nitrophenol	0.839	ND	ND	ND	46.6	42.0	1	12.0-120			11.9	39
4-Nitrophenol	0.839	ND	ND	ND	2.15	0.000	1	10.0-137	J6	J3 J6	200	32
Pentachlorophenol	0.839	ND	ND	ND	0.000	0.000	1	10.0-160	J6	J6	0.000	31
Phenol	0.839	ND	ND	ND	49.7	0.000	1	12.0-120		J3 J6	200	38
2,4,6-Trichlorophenol	0.839	ND	ND	ND	26.1	18.5	1	19.0-120		J3 J6	35.5	32
(S) 2-Fluorophenol					43.4	34.6		12.0-120				
(S) Phenol-d5					30.6	22.3		10.0-120				
(S) Nitrobenzene-d5					46.0	39.5		10.0-122				
(S) 2-Fluorobiphenyl					46.0	32.9		15.0-120				
(S) 2,4,6-Tribromophenol					48.3	41.4		10.0-127				
(S) p-Terphenyl-d14					49.4	51.1		10.0-120				

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

Method Blank (MB)

(MB) R4021294-2 01/08/24 14:32

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4021294-2 01/08/24 14:32

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	57.7			12.0-120
(S) Phenol-d5	54.8			10.0-120
(S) Nitrobenzene-d5	47.7			10.0-122
(S) 2-Fluorobiphenyl	55.3			15.0-120
(S) 2,4,6-Tribromophenol	51.1			10.0-127
(S) p-Terphenyl-d14	62.2			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4021294-1 01/08/24 14:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.401	60.2	38.0-120	
Acenaphthylene	0.666	0.407	61.1	40.0-120	
Anthracene	0.666	0.412	61.9	42.0-120	
Benzidine	1.33	0.245	18.4	10.0-120	
Benzo(a)anthracene	0.666	0.430	64.6	44.0-120	
Benzo(b)fluoranthene	0.666	0.429	64.4	43.0-120	
Benzo(k)fluoranthene	0.666	0.414	62.2	44.0-120	
Benzo(g,h,i)perylene	0.666	0.495	74.3	43.0-120	
Benzo(a)pyrene	0.666	0.436	65.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.334	50.2	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.460	69.1	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.372	55.9	23.0-120	
4-Bromophenyl-phenylether	0.666	0.395	59.3	40.0-120	
2-Chloronaphthalene	0.666	0.389	58.4	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4021294-1 01/08/24 14:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.415	62.3	40.0-120	
Chrysene	0.666	0.415	62.3	43.0-120	
Dibenz(a,h)anthracene	0.666	0.468	70.3	44.0-120	
3,3-Dichlorobenzidine	1.33	0.756	56.8	28.0-120	
2,4-Dinitrotoluene	0.666	0.462	69.4	45.0-120	
2,6-Dinitrotoluene	0.666	0.436	65.5	42.0-120	
Fluoranthene	0.666	0.409	61.4	44.0-120	
Fluorene	0.666	0.405	60.8	41.0-120	
Hexachlorobenzene	0.666	0.387	58.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.314	47.1	15.0-120	
Hexachlorocyclopentadiene	0.666	0.389	58.4	15.0-120	
Hexachloroethane	0.666	0.365	54.8	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.429	64.4	45.0-120	
Isophorone	0.666	0.324	48.6	23.0-120	
Naphthalene	0.666	0.315	47.3	18.0-120	
Nitrobenzene	0.666	0.310	46.5	17.0-120	
n-Nitrosodimethylamine	0.666	0.320	48.0	10.0-125	
n-Nitrosodiphenylamine	0.666	0.376	56.5	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.398	59.8	26.0-120	
Phenanthrene	0.666	0.402	60.4	42.0-120	
Benzylbutyl phthalate	0.666	0.435	65.3	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.447	67.1	41.0-120	
Di-n-butyl phthalate	0.666	0.403	60.5	43.0-120	
Diethyl phthalate	0.666	0.434	65.2	43.0-120	
Dimethyl phthalate	0.666	0.412	61.9	43.0-120	
Di-n-octyl phthalate	0.666	0.436	65.5	40.0-120	
Pyrene	0.666	0.419	62.9	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.327	49.1	17.0-120	
4-Chloro-3-methylphenol	0.666	0.343	51.5	28.0-120	
2-Chlorophenol	0.666	0.403	60.5	28.0-120	
2,4-Dichlorophenol	0.666	0.339	50.9	25.0-120	
2,4-Dimethylphenol	0.666	0.463	69.5	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.369	55.4	16.0-120	
2,4-Dinitrophenol	0.666	0.262	39.3	10.0-120	
2-Nitrophenol	0.666	0.376	56.5	20.0-120	
4-Nitrophenol	0.666	0.428	64.3	27.0-120	
Pentachlorophenol	0.666	0.339	50.9	29.0-120	
Phenol	0.666	0.403	60.5	28.0-120	
2,4,6-Trichlorophenol	0.666	0.407	61.1	37.0-120	
<i>(S) 2-Fluorophenol</i>			61.9	12.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4021294-1 01/08/24 14:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
(S) Phenol-d5			60.7	10.0-120	
(S) Nitrobenzene-d5			43.5	10.0-122	
(S) 2-Fluorobiphenyl			58.3	15.0-120	
(S) 2,4,6-Tribromophenol			59.8	10.0-127	
(S) p-Terphenyl-d14			62.8	10.0-120	

L1693674-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693674-12 01/08/24 19:16 • (MS) R4021294-3 01/08/24 19:36 • (MSD) R4021294-4 01/08/24 19:56

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 %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acenaphthene	0.780	ND	0.405	0.418	50.2	51.9	1	18.0-120			3.19	32
Acenaphthylene	0.780	ND	0.400	0.418	51.2	53.5	1	25.0-120			4.38	32
Anthracene	0.780	ND	0.409	0.450	49.6	54.8	1	22.0-120			9.44	29
Benzidine	1.56	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(a)anthracene	0.780	0.161	0.484	0.585	41.4	54.3	1	25.0-120			18.8	29
Benzo(b)fluoranthene	0.780	0.315	0.589	0.737	35.2	54.1	1	19.0-122			22.3	31
Benzo(k)fluoranthene	0.780	0.0999	0.462	0.574	46.4	60.7	1	23.0-120			21.7	30
Benzo(g,h,i)perylene	0.780	0.0940	0.301	0.284	26.5	24.3	1	10.0-120			5.71	33
Benzo(a)pyrene	0.780	0.193	0.505	0.604	39.9	52.6	1	24.0-120			17.9	30
Bis(2-chloroethoxy)methane	0.780	ND	ND	ND	45.0	44.6	1	10.0-120			0.683	34
Bis(2-chloroethyl)ether	0.780	ND	0.592	0.624	75.8	80.0	1	10.0-120			5.30	40
2,2-Oxybis(1-Chloropropane)	0.780	ND	ND	ND	48.3	47.7	1	10.0-120			1.27	40
4-Bromophenyl-phenylether	0.780	ND	ND	0.401	49.4	51.4	1	27.0-120			3.95	30
2-Chloronaphthalene	0.780	ND	0.382	0.396	48.9	50.8	1	20.0-120			3.68	32
4-Chlorophenyl-phenylether	0.780	ND	0.415	0.439	53.2	56.3	1	24.0-120			5.59	29
Chrysene	0.780	0.171	0.499	0.580	42.0	52.4	1	21.0-120			15.0	29
Dibenz(a,h)anthracene	0.780	ND	0.302	0.291	35.8	34.4	1	10.0-120			3.62	32
3,3-Dichlorobenzidine	1.56	ND	ND	ND	10.2	14.5	1	10.0-120		J3	35.3	34
2,4-Dinitrotoluene	0.780	ND	0.469	0.477	60.1	61.2	1	30.0-120			1.77	31
2,6-Dinitrotoluene	0.780	ND	0.441	0.451	56.6	57.8	1	25.0-120			2.14	31
Fluoranthene	0.780	0.463	0.609	0.742	18.7	35.8	1	18.0-126			19.8	32
Fluorene	0.780	ND	0.402	0.428	49.8	53.1	1	25.0-120			6.32	30
Hexachlorobenzene	0.780	ND	ND	0.402	48.9	51.5	1	27.0-120			5.18	28
Hexachloro-1,3-butadiene	0.780	ND	ND	ND	42.4	42.2	1	10.0-120			0.362	38
Hexachlorocyclopentadiene	0.780	ND	ND	ND	9.79	6.97	1	10.0-120	J6	J6	33.6	40
Hexachloroethane	0.780	ND	ND	ND	32.0	31.7	1	10.0-120			0.962	40
Indeno(1,2,3-cd)pyrene	0.780	0.107	0.310	0.301	26.0	24.8	1	10.0-120			3.12	32
Isophorone	0.780	ND	ND	ND	43.1	43.1	1	13.0-120			0.000	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1693674-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693674-12 01/08/24 19:16 • (MS) R4021294-3 01/08/24 19:36 • (MSD) R4021294-4 01/08/24 19:56

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	0.780	ND	0.326	0.333	39.9	40.8	1	10.0-120			2.17	35
Nitrobenzene	0.780	ND	ND	ND	40.8	41.1	1	10.0-120			0.746	36
n-Nitrosodimethylamine	0.780	ND	ND	ND	39.3	37.3	1	10.0-127			5.19	40
n-Nitrosodiphenylamine	0.780	ND	ND	ND	39.4	43.0	1	17.0-120			8.53	29
n-Nitrosodi-n-propylamine	0.780	ND	0.397	0.397	50.9	50.9	1	10.0-120			0.000	37
Phenanthrene	0.780	0.228	0.481	0.557	32.4	42.2	1	17.0-120			14.7	31
Benzylbutyl phthalate	0.780	ND	0.430	0.483	55.0	61.9	1	23.0-120			11.8	30
Bis(2-ethylhexyl)phthalate	0.780	ND	0.439	0.493	56.3	63.1	1	17.0-126			11.5	30
Di-n-butyl phthalate	0.780	ND	ND	0.427	50.6	54.7	1	30.0-120			7.84	29
Diethyl phthalate	0.780	ND	0.431	0.455	55.2	58.3	1	26.0-120			5.39	28
Dimethyl phthalate	0.780	ND	0.412	0.421	52.8	54.0	1	25.0-120			2.29	29
Di-n-octyl phthalate	0.780	ND	0.459	0.505	58.9	64.7	1	21.0-123			9.41	29
Pyrene	0.780	0.358	0.576	0.708	28.0	44.8	1	16.0-121			20.4	32
1,2,4-Trichlorobenzene	0.780	ND	ND	ND	42.8	44.5	1	12.0-120			3.85	37
4-Chloro-3-methylphenol	0.780	ND	ND	ND	44.0	45.7	1	15.0-120			3.75	30
2-Chlorophenol	0.780	ND	ND	0.399	50.6	51.1	1	15.0-120			0.902	37
2,4-Dichlorophenol	0.780	ND	ND	ND	45.6	47.4	1	20.0-120			3.95	31
2,4-Dimethylphenol	0.780	ND	ND	0.400	46.3	51.2	1	10.0-120			10.0	33
4,6-Dinitro-2-methylphenol	0.780	ND	0.401	ND	51.4	48.3	1	10.0-120			6.13	39
2,4-Dinitrophenol	0.780	ND	0.444	0.432	56.9	55.4	1	10.0-121			2.72	40
2-Nitrophenol	0.780	ND	ND	ND	50.8	50.8	1	12.0-120			0.000	39
4-Nitrophenol	0.780	ND	0.505	0.514	64.7	65.9	1	10.0-137			1.87	32
Pentachlorophenol	0.780	ND	0.428	0.455	54.9	58.3	1	10.0-160			5.95	31
Phenol	0.780	ND	ND	0.400	50.3	51.2	1	12.0-120			1.81	38
2,4,6-Trichlorophenol	0.780	ND	0.431	0.446	55.2	57.2	1	19.0-120			3.54	32
(S) 2-Fluorophenol					49.8	55.0		12.0-120				
(S) Phenol-d5					48.2	52.9		10.0-120				
(S) Nitrobenzene-d5					36.7	39.1		10.0-122				
(S) 2-Fluorobiphenyl					45.0	51.7		15.0-120				
(S) 2,4,6-Tribromophenol					46.9	56.9		10.0-127				
(S) p-Terphenyl-d14					45.0	58.4		10.0-120				

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

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

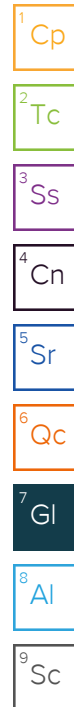
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
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
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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	LA000356
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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.com)

Pres
 Chk

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 #
23050630

Lab Project #
SMERLNC-NORTHGATE

Collected by (print):
Chelsea Parra

Site/Facility ID #

P.O. #


Collected by (signature):
CP
 Immediately Packed on Ice N Y

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
 No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
825-SB-99	C	SS	0-1	1/4/24	1220	4
825-SB-100		SS			1230	4
825-SB-101		SS			1235	4
825-SB-102		SS			1440	4
825-SB-103		SS			1445	4
825-SB-104		SS			1500	4
825-SB-105		SS			1505	4
825-SB-106		SS			1510	4
825-SB-107		SS			1355	4
825-SB-108		SS			1350	4

Analysis / Container / Preservative									
Metals 20zClr-NoPres	SPLP/TCLP GOLD 4ozClr-NoPres	SV8270,TS 4ozClr-NoPres	V8260 40mlAmb-HCl-Bik	V8260 40mlAmb/MeOH10ml/Syr	SV06S 8270	18 Metals 6020	Mercury 7471	Hex. Chromium-7199	
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	

Chain of Custody Page ___ of ___

 PEOPLE ADVANCING SCIENCE

MT JULIET, TN
 12065 Lebanon Rd Mount Juliet, TN 37122
 Submitting a sample to 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 # **1693662**
A048

Acctnum: **SMERLNC**
 Template: **T243915**
 Prelogin: **P1044755**
 PM: **034 - Craig Cothron**
 PB:

Shipped Via: **FedEX Ground**
 Remarks Sample # (lab only)

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
SPLP / TCLP on hold
 pH ___ Temp ___
 Flow ___ Other ___
 Samples returned via: UPS FedEx Courier
 Tracking # **71550298 2297**

Sample Receipt Checklist
 Correct Seal Present/Intact: Y N
 Correctly Assigned/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)
CP
 Date: **1/4/24**
 Time: **1530**

Received by: (Signature)
 Date: _____
 Time: _____

Received by: (Signature)
 Date: _____
 Time: _____

Trip Blank Received: Yes No
 HCl / MeOH TBR
 Temp: **CCAB 3.840 = 3.8**
 Bottles Received:
 Date: **1-5-24** Time: **9:00**

If preservation required by Login: Date/Time
 Hold:
 Condition: **NCF / OK**

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.com)
 Email To: jpaul@smeinc.com

Report to:
Mr. Jerry Paul

Project Description:
Northgate Park

City/State Collected: **Durham, NC**

Please Circle:
 PT MT CT **(ET)**

Phone: **919-872-2660**

Client Project # **23050630**

Lab Project # **SMERLNC-NORTHGATE**

Collected by (print): **Onisea Parra**

Site/Facility ID #

P.O. #

Collected by (signature): **CP**

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

No. of Cntrs

Immediately Packed on Ice N ___ Y

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Metals 20zClr-NoPres	SPLP/TCLP GOLD 40zClr-NoPres	SV8270, TS 40zClr-NoPres	V8260 40mlAmb-HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr	SV06s 8270	18 Metals 6020	Mercuy 7471	Hex. Chrom. 7199
Trip Blank		SS				4	X	X	X	X	X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				

* Matrix: SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:

Samples returned via: ___ UPS ___ FedEx ___ Courier

Tracking # **7155 0298 2297**

pH ___ Temp ___
 Flow ___ Other ___

Sample Receipt Checklist

COC Seal Present/Intact: 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) CP	Date: 11/4/24	Time: 1530	Received by: (Signature)	Trip Blank Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No HCl/MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 22.8 °C Bottles Received: 3.8+0.3.8
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) For MRP	Date: 1-5-24 Time: 9:00

Chain of Custody Page ___ of ___

Pace
 PEOPLE ADVANCING SCIENCE

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/hubs/pas-standard-terms.pdf>

SDG # **1693662**

Table #

Acctnum: **SMERLNC**

Template: **T243915**

Prelogin: **P1044755**

PM: **034 - Craig Cothron**

PB:

Shipped Via: **FedEX Ground**

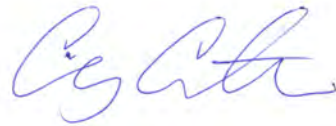
Remarks | Sample # (lab only)

S&ME Inc. - Raleigh NC

Sample Delivery Group: L1693674
Samples Received: 01/05/2024
Project Number: 23050630
Description: Northgate Park

Report To: Mr. Jerry Paul
3201 Spring Forest Road
Raleigh, NC 27616

Entire Report Reviewed By:



Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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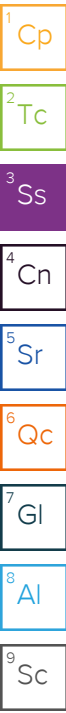
¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

825-SB-86 L1693674-01 Solid

Collected by Chelsea Parra Collected date/time 01/04/24 11:10 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202797	1	01/08/24 12:17	01/08/24 12:22	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/09/24 01:24	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 21:57	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202530	5	01/07/24 23:37	01/24/24 11:17	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204944	4.84	01/04/24 11:10	01/10/24 23:54	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 17:14	JCH	Mt. Juliet, TN



825-SB-87 L1693674-02 Solid

Collected by Chelsea Parra Collected date/time 01/04/24 11:15 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202797	1	01/08/24 12:17	01/08/24 12:22	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/09/24 02:08	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 21:59	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202530	5	01/07/24 23:37	01/24/24 11:21	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204944	1.07	01/04/24 11:15	01/11/24 00:14	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 20:57	JCH	Mt. Juliet, TN

825-SB-88 L1693674-03 Solid

Collected by Chelsea Parra Collected date/time 01/04/24 11:20 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202797	1	01/08/24 12:17	01/08/24 12:22	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/09/24 02:14	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 22:02	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202530	5	01/07/24 23:37	01/24/24 11:24	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204944	1.02	01/04/24 11:20	01/11/24 00:34	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 17:35	JCH	Mt. Juliet, TN

825-SB-89 L1693674-04 Solid

Collected by Chelsea Parra Collected date/time 01/04/24 11:25 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202798	1	01/08/24 12:10	01/08/24 12:16	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/09/24 02:26	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 22:05	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202530	5	01/07/24 23:37	01/24/24 11:27	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204944	1	01/04/24 11:25	01/11/24 00:54	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 21:18	JCH	Mt. Juliet, TN

825-SB-90 L1693674-05 Solid

Collected by Chelsea Parra Collected date/time 01/04/24 10:25 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202798	1	01/08/24 12:10	01/08/24 12:16	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/09/24 02:33	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 22:07	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202530	5	01/07/24 23:37	01/24/24 11:31	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204944	1	01/04/24 10:25	01/11/24 01:14	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 21:38	JCH	Mt. Juliet, TN

SAMPLE SUMMARY

825-SB-91 L1693674-06 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 10:30
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202798	1	01/08/24 12:10	01/08/24 12:16	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/09/24 02:39	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202629	1	01/07/24 12:09	01/07/24 17:40	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202530	5	01/07/24 23:37	01/24/24 11:34	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204944	1.03	01/04/24 10:30	01/11/24 01:33	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 17:55	JCH	Mt. Juliet, TN



825-SB-92 L1693674-07 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 10:00
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202798	1	01/08/24 12:10	01/08/24 12:16	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/09/24 02:45	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202416	1	01/06/24 19:47	01/07/24 16:28	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202530	200	01/07/24 23:37	01/24/24 13:47	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202530	5	01/07/24 23:37	01/24/24 11:37	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202530	5	01/07/24 23:37	01/24/24 14:52	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202530	50	01/07/24 23:37	01/24/24 13:43	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204944	1.07	01/04/24 10:00	01/11/24 01:53	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 21:58	JCH	Mt. Juliet, TN

825-SB-93 L1693674-08 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 10:05
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202798	1	01/08/24 12:10	01/08/24 12:16	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/09/24 02:51	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 22:10	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202529	5	01/07/24 23:33	01/24/24 18:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204944	1.02	01/04/24 10:05	01/11/24 02:12	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 15:13	JCH	Mt. Juliet, TN

825-SB-94 L1693674-09 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 11:55
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202798	1	01/08/24 12:10	01/08/24 12:16	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/09/24 03:10	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 22:12	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202529	5	01/07/24 23:33	01/24/24 18:57	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205376	1.19	01/04/24 11:55	01/11/24 12:10	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 18:15	JCH	Mt. Juliet, TN

825-SB-95 L1693674-10 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 12:00
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202798	1	01/08/24 12:10	01/08/24 12:16	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202753	1	01/08/24 08:41	01/09/24 03:16	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 22:15	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202529	5	01/07/24 23:33	01/24/24 19:00	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205376	1.39	01/04/24 12:00	01/11/24 12:29	DWR	Mt. Juliet, TN

SAMPLE SUMMARY

825-SB-95 L1693674-10 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 12:00
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 18:35	JCH	Mt. Juliet, TN

1 Cp

2 Tc

825-SB-96 L1693674-11 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 12:05
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202798	1	01/08/24 12:10	01/08/24 12:16	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202754	1	01/08/24 08:42	01/09/24 08:14	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 22:17	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202529	5	01/07/24 23:33	01/24/24 19:03	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205376	1	01/04/24 12:05	01/11/24 12:48	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 18:55	JCH	Mt. Juliet, TN

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

825-SB-97 L1693674-12 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 12:10
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202798	1	01/08/24 12:10	01/08/24 12:16	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202754	1	01/08/24 08:42	01/09/24 08:20	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 22:25	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202530	5	01/07/24 23:37	01/24/24 10:41	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205376	1	01/04/24 12:10	01/11/24 13:07	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 19:16	JCH	Mt. Juliet, TN

8 Al

9 Sc

825-SB-98 L1693674-13 Solid

Collected by Chelsea Parra
 Collected date/time 01/04/24 12:15
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202798	1	01/08/24 12:10	01/08/24 12:16	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202754	1	01/08/24 08:42	01/09/24 08:32	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202265	1	01/06/24 13:14	01/06/24 22:27	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202530	5	01/07/24 23:37	01/24/24 11:41	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205376	1.12	01/04/24 12:15	01/11/24 13:26	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2202493	1	01/08/24 08:00	01/08/24 20:16	JCH	Mt. Juliet, TN

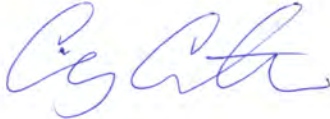
TRIP BLANK L1693674-14 GW

Collected by Chelsea Parra
 Collected date/time 01/04/24 00:00
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2202144	1	01/06/24 11:39	01/06/24 11:39	JCP	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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.5		1	01/08/2024 12:22	WG2202797

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND	J6	1.29	1	01/09/2024 01:24	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0516	1	01/06/2024 21:57	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.87	5	01/24/2024 11:17	WG2202530
Arsenic	1.67		1.29	5	01/24/2024 11:17	WG2202530
Barium	93.9		3.23	5	01/24/2024 11:17	WG2202530
Beryllium	ND		3.23	5	01/24/2024 11:17	WG2202530
Cadmium	ND		1.29	5	01/24/2024 11:17	WG2202530
Chromium	15.5		6.45	5	01/24/2024 11:17	WG2202530
Cobalt	8.90		1.29	5	01/24/2024 11:17	WG2202530
Copper	10.3		6.45	5	01/24/2024 11:17	WG2202530
Lead	32.6		2.58	5	01/24/2024 11:17	WG2202530
Manganese	592		3.23	5	01/24/2024 11:17	WG2202530
Nickel	13.4		3.23	5	01/24/2024 11:17	WG2202530
Selenium	ND		3.23	5	01/24/2024 11:17	WG2202530
Silver	ND		0.645	5	01/24/2024 11:17	WG2202530
Thallium	ND		2.58	5	01/24/2024 11:17	WG2202530
Vanadium	20.5		3.23	5	01/24/2024 11:17	WG2202530
Zinc	38.0		32.3	5	01/24/2024 11:17	WG2202530

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.370	4.84	01/10/2024 23:54	WG2204944
Acrylonitrile	ND		0.0925	4.84	01/10/2024 23:54	WG2204944
Benzene	0.0205		0.00740	4.84	01/10/2024 23:54	WG2204944
Bromobenzene	ND		0.0925	4.84	01/10/2024 23:54	WG2204944
Bromodichloromethane	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
Bromoform	ND		0.185	4.84	01/10/2024 23:54	WG2204944
Bromomethane	ND		0.0925	4.84	01/10/2024 23:54	WG2204944
n-Butylbenzene	ND		0.0925	4.84	01/10/2024 23:54	WG2204944
sec-Butylbenzene	ND		0.0925	4.84	01/10/2024 23:54	WG2204944
tert-Butylbenzene	ND		0.0370	4.84	01/10/2024 23:54	WG2204944
Carbon tetrachloride	ND		0.0370	4.84	01/10/2024 23:54	WG2204944
Chlorobenzene	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
Chlorodibromomethane	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
Chloroethane	ND		0.0370	4.84	01/10/2024 23:54	WG2204944
Chloroform	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
Chloromethane	ND		0.0925	4.84	01/10/2024 23:54	WG2204944
2-Chlorotoluene	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
4-Chlorotoluene	ND		0.0370	4.84	01/10/2024 23:54	WG2204944
1,2-Dibromo-3-Chloropropane	ND		0.185	4.84	01/10/2024 23:54	WG2204944

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
Dibromomethane	ND		0.0370	4.84	01/10/2024 23:54	WG2204944
1,2-Dichlorobenzene	ND		0.0370	4.84	01/10/2024 23:54	WG2204944
1,3-Dichlorobenzene	ND		0.0370	4.84	01/10/2024 23:54	WG2204944
1,4-Dichlorobenzene	ND		0.0370	4.84	01/10/2024 23:54	WG2204944
Dichlorodifluoromethane	ND	C3	0.0370	4.84	01/10/2024 23:54	WG2204944
1,1-Dichloroethane	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
1,2-Dichloroethane	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
1,1-Dichloroethene	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
cis-1,2-Dichloroethene	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
trans-1,2-Dichloroethene	ND		0.0370	4.84	01/10/2024 23:54	WG2204944
1,2-Dichloropropane	ND		0.0370	4.84	01/10/2024 23:54	WG2204944
1,1-Dichloropropene	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
1,3-Dichloropropane	ND		0.0370	4.84	01/10/2024 23:54	WG2204944
cis-1,3-Dichloropropene	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
trans-1,3-Dichloropropene	ND		0.0370	4.84	01/10/2024 23:54	WG2204944
2,2-Dichloropropane	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
Di-isopropyl ether	ND		0.00740	4.84	01/10/2024 23:54	WG2204944
Ethylbenzene	0.0219		0.0185	4.84	01/10/2024 23:54	WG2204944
Hexachloro-1,3-butadiene	ND		0.185	4.84	01/10/2024 23:54	WG2204944
Isopropylbenzene	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
p-Isopropyltoluene	0.117		0.0370	4.84	01/10/2024 23:54	WG2204944
2-Butanone (MEK)	ND	C3	0.740	4.84	01/10/2024 23:54	WG2204944
Methylene Chloride	ND		0.185	4.84	01/10/2024 23:54	WG2204944
4-Methyl-2-pentanone (MIBK)	ND		0.185	4.84	01/10/2024 23:54	WG2204944
Methyl tert-butyl ether	ND		0.00740	4.84	01/10/2024 23:54	WG2204944
Naphthalene	ND	C3	0.0925	4.84	01/10/2024 23:54	WG2204944
n-Propylbenzene	ND		0.0370	4.84	01/10/2024 23:54	WG2204944
Styrene	ND		0.0925	4.84	01/10/2024 23:54	WG2204944
1,1,1-Tetrachloroethane	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
1,1,2,2-Tetrachloroethane	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
Tetrachloroethene	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
Toluene	ND		0.0370	4.84	01/10/2024 23:54	WG2204944
1,2,3-Trichlorobenzene	ND		0.0925	4.84	01/10/2024 23:54	WG2204944
1,2,4-Trichlorobenzene	ND		0.0925	4.84	01/10/2024 23:54	WG2204944
1,1,1-Trichloroethane	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
1,1,2-Trichloroethane	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
Trichloroethene	ND		0.00740	4.84	01/10/2024 23:54	WG2204944
Trichlorofluoromethane	ND	C3	0.0185	4.84	01/10/2024 23:54	WG2204944
1,2,3-Trichloropropane	ND		0.0925	4.84	01/10/2024 23:54	WG2204944
1,2,4-Trimethylbenzene	ND		0.0370	4.84	01/10/2024 23:54	WG2204944
1,3,5-Trimethylbenzene	ND		0.0370	4.84	01/10/2024 23:54	WG2204944
Vinyl chloride	ND		0.0185	4.84	01/10/2024 23:54	WG2204944
Xylenes, Total	ND		0.0482	4.84	01/10/2024 23:54	WG2204944
(S) Toluene-d8	102		75.0-131		01/10/2024 23:54	WG2204944
(S) 4-Bromofluorobenzene	101		67.0-138		01/10/2024 23:54	WG2204944
(S) 1,2-Dichloroethane-d4	92.1		70.0-130		01/10/2024 23:54	WG2204944

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1693674-01 WG2204944: Dilution due to foam.

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		0.0430	1	01/08/2024 17:14	WG2202493
Acenaphthylene	ND		0.0430	1	01/08/2024 17:14	WG2202493
Anthracene	ND		0.0430	1	01/08/2024 17:14	WG2202493
Benzidine	ND		2.15	1	01/08/2024 17:14	WG2202493
Benzo(a)anthracene	ND		0.0430	1	01/08/2024 17:14	WG2202493
Benzo(b)fluoranthene	ND		0.0430	1	01/08/2024 17:14	WG2202493
Benzo(k)fluoranthene	ND		0.0430	1	01/08/2024 17:14	WG2202493
Benzo(g,h,i)perylene	ND		0.0430	1	01/08/2024 17:14	WG2202493
Benzo(a)pyrene	ND		0.0430	1	01/08/2024 17:14	WG2202493
Bis(2-chloroethoxy)methane	ND		0.430	1	01/08/2024 17:14	WG2202493
Bis(2-chloroethyl)ether	ND		0.430	1	01/08/2024 17:14	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.430	1	01/08/2024 17:14	WG2202493
4-Bromophenyl-phenylether	ND		0.430	1	01/08/2024 17:14	WG2202493
2-Chloronaphthalene	ND		0.0430	1	01/08/2024 17:14	WG2202493
4-Chlorophenyl-phenylether	ND		0.430	1	01/08/2024 17:14	WG2202493
Chrysene	ND		0.0430	1	01/08/2024 17:14	WG2202493
Dibenz(a,h)anthracene	ND		0.0430	1	01/08/2024 17:14	WG2202493
3,3-Dichlorobenzidine	ND		0.430	1	01/08/2024 17:14	WG2202493
2,4-Dinitrotoluene	ND		0.430	1	01/08/2024 17:14	WG2202493
2,6-Dinitrotoluene	ND		0.430	1	01/08/2024 17:14	WG2202493
Fluoranthene	ND		0.0430	1	01/08/2024 17:14	WG2202493
Fluorene	ND		0.0430	1	01/08/2024 17:14	WG2202493
Hexachlorobenzene	ND		0.430	1	01/08/2024 17:14	WG2202493
Hexachloro-1,3-butadiene	ND		0.430	1	01/08/2024 17:14	WG2202493
Hexachlorocyclopentadiene	ND		0.430	1	01/08/2024 17:14	WG2202493
Hexachloroethane	ND		0.430	1	01/08/2024 17:14	WG2202493
Indeno(1,2,3-cd)pyrene	ND		0.0430	1	01/08/2024 17:14	WG2202493
Isophorone	ND		0.430	1	01/08/2024 17:14	WG2202493
Naphthalene	ND		0.0430	1	01/08/2024 17:14	WG2202493
Nitrobenzene	ND		0.430	1	01/08/2024 17:14	WG2202493
n-Nitrosodimethylamine	ND		0.430	1	01/08/2024 17:14	WG2202493
n-Nitrosodiphenylamine	ND		0.430	1	01/08/2024 17:14	WG2202493
n-Nitrosodi-n-propylamine	ND		0.430	1	01/08/2024 17:14	WG2202493
Phenanthrene	ND		0.0430	1	01/08/2024 17:14	WG2202493
Benzylbutyl phthalate	ND		0.430	1	01/08/2024 17:14	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.430	1	01/08/2024 17:14	WG2202493
Di-n-butyl phthalate	ND		0.430	1	01/08/2024 17:14	WG2202493
Diethyl phthalate	ND		0.430	1	01/08/2024 17:14	WG2202493
Dimethyl phthalate	ND		0.430	1	01/08/2024 17:14	WG2202493
Di-n-octyl phthalate	ND		0.430	1	01/08/2024 17:14	WG2202493
Pyrene	ND		0.0430	1	01/08/2024 17:14	WG2202493
1,2,4-Trichlorobenzene	ND		0.430	1	01/08/2024 17:14	WG2202493
4-Chloro-3-methylphenol	ND		0.430	1	01/08/2024 17:14	WG2202493
2-Chlorophenol	ND		0.430	1	01/08/2024 17:14	WG2202493
2,4-Dichlorophenol	ND		0.430	1	01/08/2024 17:14	WG2202493
2,4-Dimethylphenol	ND		0.430	1	01/08/2024 17:14	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.430	1	01/08/2024 17:14	WG2202493
2,4-Dinitrophenol	ND		0.430	1	01/08/2024 17:14	WG2202493
2-Nitrophenol	ND		0.430	1	01/08/2024 17:14	WG2202493
4-Nitrophenol	ND		0.430	1	01/08/2024 17:14	WG2202493
Pentachlorophenol	ND		0.430	1	01/08/2024 17:14	WG2202493
Phenol	ND		0.430	1	01/08/2024 17:14	WG2202493
2,4,6-Trichlorophenol	ND		0.430	1	01/08/2024 17:14	WG2202493
(S) 2-Fluorophenol	57.0		12.0-120		01/08/2024 17:14	WG2202493
(S) Phenol-d5	53.9		10.0-120		01/08/2024 17:14	WG2202493
(S) Nitrobenzene-d5	45.8		10.0-122		01/08/2024 17:14	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	52.1		15.0-120		01/08/2024 17:14	WG2202493
(S) 2,4,6-Tribromophenol	58.3		10.0-127		01/08/2024 17:14	WG2202493
(S) p-Terphenyl-d14	60.0		10.0-120		01/08/2024 17:14	WG2202493

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	81.6		1	01/08/2024 12:22	WG2202797

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.23	1	01/09/2024 02:08	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	ND		0.0490	1	01/06/2024 21:59	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		3.68	5	01/24/2024 11:21	WG2202530
Arsenic	2.33		1.23	5	01/24/2024 11:21	WG2202530
Barium	75.3		3.06	5	01/24/2024 11:21	WG2202530
Beryllium	ND		3.06	5	01/24/2024 11:21	WG2202530
Cadmium	ND		1.23	5	01/24/2024 11:21	WG2202530
Chromium	58.1		6.13	5	01/24/2024 11:21	WG2202530
Cobalt	12.7		1.23	5	01/24/2024 11:21	WG2202530
Copper	16.0		6.13	5	01/24/2024 11:21	WG2202530
Lead	28.4		2.45	5	01/24/2024 11:21	WG2202530
Manganese	599		3.06	5	01/24/2024 11:21	WG2202530
Nickel	18.3		3.06	5	01/24/2024 11:21	WG2202530
Selenium	ND		3.06	5	01/24/2024 11:21	WG2202530
Silver	ND		0.613	5	01/24/2024 11:21	WG2202530
Thallium	ND		2.45	5	01/24/2024 11:21	WG2202530
Vanadium	57.1		3.06	5	01/24/2024 11:21	WG2202530
Zinc	47.6		30.6	5	01/24/2024 11:21	WG2202530

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	1.47		0.0769	1.07	01/11/2024 00:14	WG2204944
Acrylonitrile	ND		0.0193	1.07	01/11/2024 00:14	WG2204944
Benzene	ND		0.00154	1.07	01/11/2024 00:14	WG2204944
Bromobenzene	ND		0.0193	1.07	01/11/2024 00:14	WG2204944
Bromodichloromethane	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
Bromoform	ND		0.0385	1.07	01/11/2024 00:14	WG2204944
Bromomethane	ND		0.0193	1.07	01/11/2024 00:14	WG2204944
n-Butylbenzene	ND		0.0193	1.07	01/11/2024 00:14	WG2204944
sec-Butylbenzene	ND		0.0193	1.07	01/11/2024 00:14	WG2204944
tert-Butylbenzene	ND		0.00769	1.07	01/11/2024 00:14	WG2204944
Carbon tetrachloride	ND		0.00769	1.07	01/11/2024 00:14	WG2204944
Chlorobenzene	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
Chlorodibromomethane	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
Chloroethane	ND		0.00769	1.07	01/11/2024 00:14	WG2204944
Chloroform	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
Chloromethane	ND		0.0193	1.07	01/11/2024 00:14	WG2204944
2-Chlorotoluene	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
4-Chlorotoluene	ND		0.00769	1.07	01/11/2024 00:14	WG2204944
1,2-Dibromo-3-Chloropropane	ND		0.0385	1.07	01/11/2024 00:14	WG2204944

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
Dibromomethane	ND		0.00769	1.07	01/11/2024 00:14	WG2204944
1,2-Dichlorobenzene	ND		0.00769	1.07	01/11/2024 00:14	WG2204944
1,3-Dichlorobenzene	ND		0.00769	1.07	01/11/2024 00:14	WG2204944
1,4-Dichlorobenzene	ND		0.00769	1.07	01/11/2024 00:14	WG2204944
Dichlorodifluoromethane	ND	C3	0.00769	1.07	01/11/2024 00:14	WG2204944
1,1-Dichloroethane	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
1,2-Dichloroethane	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
1,1-Dichloroethene	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
cis-1,2-Dichloroethene	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
trans-1,2-Dichloroethene	ND		0.00769	1.07	01/11/2024 00:14	WG2204944
1,2-Dichloropropane	ND		0.00769	1.07	01/11/2024 00:14	WG2204944
1,1-Dichloropropene	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
1,3-Dichloropropane	ND		0.00769	1.07	01/11/2024 00:14	WG2204944
cis-1,3-Dichloropropene	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
trans-1,3-Dichloropropene	ND		0.00769	1.07	01/11/2024 00:14	WG2204944
2,2-Dichloropropane	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
Di-isopropyl ether	ND		0.00154	1.07	01/11/2024 00:14	WG2204944
Ethylbenzene	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
Hexachloro-1,3-butadiene	ND		0.0385	1.07	01/11/2024 00:14	WG2204944
Isopropylbenzene	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
p-Isopropyltoluene	0.0502		0.00769	1.07	01/11/2024 00:14	WG2204944
2-Butanone (MEK)	ND	C3	0.154	1.07	01/11/2024 00:14	WG2204944
Methylene Chloride	ND		0.0385	1.07	01/11/2024 00:14	WG2204944
4-Methyl-2-pentanone (MIBK)	ND		0.0385	1.07	01/11/2024 00:14	WG2204944
Methyl tert-butyl ether	ND		0.00154	1.07	01/11/2024 00:14	WG2204944
Naphthalene	ND	C3	0.0193	1.07	01/11/2024 00:14	WG2204944
n-Propylbenzene	ND		0.00769	1.07	01/11/2024 00:14	WG2204944
Styrene	ND		0.0193	1.07	01/11/2024 00:14	WG2204944
1,1,1,2-Tetrachloroethane	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
1,1,2,2-Tetrachloroethane	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
Tetrachloroethene	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
Toluene	ND		0.00769	1.07	01/11/2024 00:14	WG2204944
1,2,3-Trichlorobenzene	ND		0.0193	1.07	01/11/2024 00:14	WG2204944
1,2,4-Trichlorobenzene	ND		0.0193	1.07	01/11/2024 00:14	WG2204944
1,1,1-Trichloroethane	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
1,1,2-Trichloroethane	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
Trichloroethene	ND		0.00154	1.07	01/11/2024 00:14	WG2204944
Trichlorofluoromethane	ND	C3	0.00385	1.07	01/11/2024 00:14	WG2204944
1,2,3-Trichloropropane	ND		0.0193	1.07	01/11/2024 00:14	WG2204944
1,2,4-Trimethylbenzene	ND		0.00769	1.07	01/11/2024 00:14	WG2204944
1,3,5-Trimethylbenzene	ND		0.00769	1.07	01/11/2024 00:14	WG2204944
Vinyl chloride	ND		0.00385	1.07	01/11/2024 00:14	WG2204944
Xylenes, Total	ND		0.0100	1.07	01/11/2024 00:14	WG2204944
(S) Toluene-d8	103		75.0-131		01/11/2024 00:14	WG2204944
(S) 4-Bromofluorobenzene	98.2		67.0-138		01/11/2024 00:14	WG2204944
(S) 1,2-Dichloroethane-d4	87.4		70.0-130		01/11/2024 00:14	WG2204944

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0408	1	01/08/2024 20:57	WG2202493
Acenaphthylene	ND		0.0408	1	01/08/2024 20:57	WG2202493
Anthracene	ND		0.0408	1	01/08/2024 20:57	WG2202493
Benzidine	ND		2.05	1	01/08/2024 20:57	WG2202493
Benzo(a)anthracene	0.124		0.0408	1	01/08/2024 20:57	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.191		0.0408	1	01/08/2024 20:57	WG2202493
Benzo(k)fluoranthene	0.0715		0.0408	1	01/08/2024 20:57	WG2202493
Benzo(g,h,i)perylene	0.0423		0.0408	1	01/08/2024 20:57	WG2202493
Benzo(a)pyrene	0.132		0.0408	1	01/08/2024 20:57	WG2202493
Bis(2-chloroethoxy)methane	ND		0.408	1	01/08/2024 20:57	WG2202493
Bis(2-chloroethyl)ether	ND		0.408	1	01/08/2024 20:57	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.408	1	01/08/2024 20:57	WG2202493
4-Bromophenyl-phenylether	ND		0.408	1	01/08/2024 20:57	WG2202493
2-Chloronaphthalene	ND		0.0408	1	01/08/2024 20:57	WG2202493
4-Chlorophenyl-phenylether	ND		0.408	1	01/08/2024 20:57	WG2202493
Chrysene	0.108		0.0408	1	01/08/2024 20:57	WG2202493
Dibenz(a,h)anthracene	ND		0.0408	1	01/08/2024 20:57	WG2202493
3,3-Dichlorobenzidine	ND		0.408	1	01/08/2024 20:57	WG2202493
2,4-Dinitrotoluene	ND		0.408	1	01/08/2024 20:57	WG2202493
2,6-Dinitrotoluene	ND		0.408	1	01/08/2024 20:57	WG2202493
Fluoranthene	0.250		0.0408	1	01/08/2024 20:57	WG2202493
Fluorene	ND		0.0408	1	01/08/2024 20:57	WG2202493
Hexachlorobenzene	ND		0.408	1	01/08/2024 20:57	WG2202493
Hexachloro-1,3-butadiene	ND		0.408	1	01/08/2024 20:57	WG2202493
Hexachlorocyclopentadiene	ND		0.408	1	01/08/2024 20:57	WG2202493
Hexachloroethane	ND		0.408	1	01/08/2024 20:57	WG2202493
Indeno(1,2,3-cd)pyrene	0.0495		0.0408	1	01/08/2024 20:57	WG2202493
Isophorone	ND		0.408	1	01/08/2024 20:57	WG2202493
Naphthalene	ND		0.0408	1	01/08/2024 20:57	WG2202493
Nitrobenzene	ND		0.408	1	01/08/2024 20:57	WG2202493
n-Nitrosodimethylamine	ND		0.408	1	01/08/2024 20:57	WG2202493
n-Nitrosodiphenylamine	ND		0.408	1	01/08/2024 20:57	WG2202493
n-Nitrosodi-n-propylamine	ND		0.408	1	01/08/2024 20:57	WG2202493
Phenanthrene	0.148		0.0408	1	01/08/2024 20:57	WG2202493
Benzylbutyl phthalate	ND		0.408	1	01/08/2024 20:57	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.408	1	01/08/2024 20:57	WG2202493
Di-n-butyl phthalate	ND		0.408	1	01/08/2024 20:57	WG2202493
Diethyl phthalate	ND		0.408	1	01/08/2024 20:57	WG2202493
Dimethyl phthalate	ND		0.408	1	01/08/2024 20:57	WG2202493
Di-n-octyl phthalate	ND		0.408	1	01/08/2024 20:57	WG2202493
Pyrene	0.238		0.0408	1	01/08/2024 20:57	WG2202493
1,2,4-Trichlorobenzene	ND		0.408	1	01/08/2024 20:57	WG2202493
4-Chloro-3-methylphenol	ND		0.408	1	01/08/2024 20:57	WG2202493
2-Chlorophenol	ND		0.408	1	01/08/2024 20:57	WG2202493
2,4-Dichlorophenol	ND		0.408	1	01/08/2024 20:57	WG2202493
2,4-Dimethylphenol	ND		0.408	1	01/08/2024 20:57	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.408	1	01/08/2024 20:57	WG2202493
2,4-Dinitrophenol	ND		0.408	1	01/08/2024 20:57	WG2202493
2-Nitrophenol	ND		0.408	1	01/08/2024 20:57	WG2202493
4-Nitrophenol	ND		0.408	1	01/08/2024 20:57	WG2202493
Pentachlorophenol	ND		0.408	1	01/08/2024 20:57	WG2202493
Phenol	ND		0.408	1	01/08/2024 20:57	WG2202493
2,4,6-Trichlorophenol	ND		0.408	1	01/08/2024 20:57	WG2202493
(S) 2-Fluorophenol	54.5		12.0-120		01/08/2024 20:57	WG2202493
(S) Phenol-d5	51.4		10.0-120		01/08/2024 20:57	WG2202493
(S) Nitrobenzene-d5	44.5		10.0-122		01/08/2024 20:57	WG2202493
(S) 2-Fluorobiphenyl	48.5		15.0-120		01/08/2024 20:57	WG2202493
(S) 2,4,6-Tribromophenol	53.6		10.0-127		01/08/2024 20:57	WG2202493
(S) p-Terphenyl-d14	56.7		10.0-120		01/08/2024 20:57	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.6		1	01/08/2024 12:22	WG2202797

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND	P1	1.22	1	01/09/2024 02:14	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0490	1	01/06/2024 22:02	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.67	5	01/24/2024 11:24	WG2202530
Arsenic	2.60		1.22	5	01/24/2024 11:24	WG2202530
Barium	94.8		3.06	5	01/24/2024 11:24	WG2202530
Beryllium	ND		3.06	5	01/24/2024 11:24	WG2202530
Cadmium	ND		1.22	5	01/24/2024 11:24	WG2202530
Chromium	37.5		6.12	5	01/24/2024 11:24	WG2202530
Cobalt	15.3		1.22	5	01/24/2024 11:24	WG2202530
Copper	19.4		6.12	5	01/24/2024 11:24	WG2202530
Lead	24.7		2.45	5	01/24/2024 11:24	WG2202530
Manganese	719		3.06	5	01/24/2024 11:24	WG2202530
Nickel	21.6		3.06	5	01/24/2024 11:24	WG2202530
Selenium	ND		3.06	5	01/24/2024 11:24	WG2202530
Silver	ND		0.612	5	01/24/2024 11:24	WG2202530
Thallium	ND		2.45	5	01/24/2024 11:24	WG2202530
Vanadium	44.5		3.06	5	01/24/2024 11:24	WG2202530
Zinc	47.2		30.6	5	01/24/2024 11:24	WG2202530

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0738	1.02	01/11/2024 00:34	WG2204944
Acrylonitrile	ND		0.0185	1.02	01/11/2024 00:34	WG2204944
Benzene	ND		0.00148	1.02	01/11/2024 00:34	WG2204944
Bromobenzene	ND		0.0185	1.02	01/11/2024 00:34	WG2204944
Bromodichloromethane	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
Bromoform	ND		0.0369	1.02	01/11/2024 00:34	WG2204944
Bromomethane	ND		0.0185	1.02	01/11/2024 00:34	WG2204944
n-Butylbenzene	ND		0.0185	1.02	01/11/2024 00:34	WG2204944
sec-Butylbenzene	ND		0.0185	1.02	01/11/2024 00:34	WG2204944
tert-Butylbenzene	ND		0.00738	1.02	01/11/2024 00:34	WG2204944
Carbon tetrachloride	ND		0.00738	1.02	01/11/2024 00:34	WG2204944
Chlorobenzene	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
Chlorodibromomethane	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
Chloroethane	ND		0.00738	1.02	01/11/2024 00:34	WG2204944
Chloroform	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
Chloromethane	ND		0.0185	1.02	01/11/2024 00:34	WG2204944
2-Chlorotoluene	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
4-Chlorotoluene	ND		0.00738	1.02	01/11/2024 00:34	WG2204944
1,2-Dibromo-3-Chloropropane	ND		0.0369	1.02	01/11/2024 00:34	WG2204944

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
Dibromomethane	ND		0.00738	1.02	01/11/2024 00:34	WG2204944
1,2-Dichlorobenzene	ND		0.00738	1.02	01/11/2024 00:34	WG2204944
1,3-Dichlorobenzene	ND		0.00738	1.02	01/11/2024 00:34	WG2204944
1,4-Dichlorobenzene	ND		0.00738	1.02	01/11/2024 00:34	WG2204944
Dichlorodifluoromethane	ND	C3	0.00738	1.02	01/11/2024 00:34	WG2204944
1,1-Dichloroethane	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
1,2-Dichloroethane	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
1,1-Dichloroethene	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
cis-1,2-Dichloroethene	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
trans-1,2-Dichloroethene	ND		0.00738	1.02	01/11/2024 00:34	WG2204944
1,2-Dichloropropane	ND		0.00738	1.02	01/11/2024 00:34	WG2204944
1,1-Dichloropropene	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
1,3-Dichloropropane	ND		0.00738	1.02	01/11/2024 00:34	WG2204944
cis-1,3-Dichloropropene	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
trans-1,3-Dichloropropene	ND		0.00738	1.02	01/11/2024 00:34	WG2204944
2,2-Dichloropropane	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
Di-isopropyl ether	ND		0.00148	1.02	01/11/2024 00:34	WG2204944
Ethylbenzene	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
Hexachloro-1,3-butadiene	ND		0.0369	1.02	01/11/2024 00:34	WG2204944
Isopropylbenzene	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
p-Isopropyltoluene	0.0220		0.00738	1.02	01/11/2024 00:34	WG2204944
2-Butanone (MEK)	ND	C3	0.148	1.02	01/11/2024 00:34	WG2204944
Methylene Chloride	ND		0.0369	1.02	01/11/2024 00:34	WG2204944
4-Methyl-2-pentanone (MIBK)	ND		0.0369	1.02	01/11/2024 00:34	WG2204944
Methyl tert-butyl ether	ND		0.00148	1.02	01/11/2024 00:34	WG2204944
Naphthalene	ND	C3	0.0185	1.02	01/11/2024 00:34	WG2204944
n-Propylbenzene	ND		0.00738	1.02	01/11/2024 00:34	WG2204944
Styrene	ND		0.0185	1.02	01/11/2024 00:34	WG2204944
1,1,1,2-Tetrachloroethane	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
1,1,2,2-Tetrachloroethane	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
Tetrachloroethene	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
Toluene	ND		0.00738	1.02	01/11/2024 00:34	WG2204944
1,2,3-Trichlorobenzene	ND		0.0185	1.02	01/11/2024 00:34	WG2204944
1,2,4-Trichlorobenzene	ND		0.0185	1.02	01/11/2024 00:34	WG2204944
1,1,1-Trichloroethane	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
1,1,2-Trichloroethane	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
Trichloroethene	ND		0.00148	1.02	01/11/2024 00:34	WG2204944
Trichlorofluoromethane	ND	C3	0.00369	1.02	01/11/2024 00:34	WG2204944
1,2,3-Trichloropropane	ND		0.0185	1.02	01/11/2024 00:34	WG2204944
1,2,4-Trimethylbenzene	ND		0.00738	1.02	01/11/2024 00:34	WG2204944
1,3,5-Trimethylbenzene	ND		0.00738	1.02	01/11/2024 00:34	WG2204944
Vinyl chloride	ND		0.00369	1.02	01/11/2024 00:34	WG2204944
Xylenes, Total	ND		0.00959	1.02	01/11/2024 00:34	WG2204944
(S) Toluene-d8	102		75.0-131		01/11/2024 00:34	WG2204944
(S) 4-Bromofluorobenzene	102		67.0-138		01/11/2024 00:34	WG2204944
(S) 1,2-Dichloroethane-d4	90.9		70.0-130		01/11/2024 00:34	WG2204944

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0408	1	01/08/2024 17:35	WG2202493
Acenaphthylene	ND		0.0408	1	01/08/2024 17:35	WG2202493
Anthracene	ND		0.0408	1	01/08/2024 17:35	WG2202493
Benzidine	ND		2.05	1	01/08/2024 17:35	WG2202493
Benzo(a)anthracene	0.110		0.0408	1	01/08/2024 17:35	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.169		0.0408	1	01/08/2024 17:35	WG2202493
Benzo(k)fluoranthene	0.0540		0.0408	1	01/08/2024 17:35	WG2202493
Benzo(g,h,i)perylene	0.0548		0.0408	1	01/08/2024 17:35	WG2202493
Benzo(a)pyrene	0.120		0.0408	1	01/08/2024 17:35	WG2202493
Bis(2-chlorethoxy)methane	ND		0.408	1	01/08/2024 17:35	WG2202493
Bis(2-chloroethyl)ether	ND		0.408	1	01/08/2024 17:35	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.408	1	01/08/2024 17:35	WG2202493
4-Bromophenyl-phenylether	ND		0.408	1	01/08/2024 17:35	WG2202493
2-Chloronaphthalene	ND		0.0408	1	01/08/2024 17:35	WG2202493
4-Chlorophenyl-phenylether	ND		0.408	1	01/08/2024 17:35	WG2202493
Chrysene	0.0980		0.0408	1	01/08/2024 17:35	WG2202493
Dibenz(a,h)anthracene	ND		0.0408	1	01/08/2024 17:35	WG2202493
3,3-Dichlorobenzidine	ND		0.408	1	01/08/2024 17:35	WG2202493
2,4-Dinitrotoluene	ND		0.408	1	01/08/2024 17:35	WG2202493
2,6-Dinitrotoluene	ND		0.408	1	01/08/2024 17:35	WG2202493
Fluoranthene	0.246		0.0408	1	01/08/2024 17:35	WG2202493
Fluorene	ND		0.0408	1	01/08/2024 17:35	WG2202493
Hexachlorobenzene	ND		0.408	1	01/08/2024 17:35	WG2202493
Hexachloro-1,3-butadiene	ND		0.408	1	01/08/2024 17:35	WG2202493
Hexachlorocyclopentadiene	ND		0.408	1	01/08/2024 17:35	WG2202493
Hexachloroethane	ND		0.408	1	01/08/2024 17:35	WG2202493
Indeno(1,2,3-cd)pyrene	0.0642		0.0408	1	01/08/2024 17:35	WG2202493
Isophorone	ND		0.408	1	01/08/2024 17:35	WG2202493
Naphthalene	ND		0.0408	1	01/08/2024 17:35	WG2202493
Nitrobenzene	ND		0.408	1	01/08/2024 17:35	WG2202493
n-Nitrosodimethylamine	ND		0.408	1	01/08/2024 17:35	WG2202493
n-Nitrosodiphenylamine	ND		0.408	1	01/08/2024 17:35	WG2202493
n-Nitrosodi-n-propylamine	ND		0.408	1	01/08/2024 17:35	WG2202493
Phenanthrene	0.138		0.0408	1	01/08/2024 17:35	WG2202493
Benzylbutyl phthalate	ND		0.408	1	01/08/2024 17:35	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.408	1	01/08/2024 17:35	WG2202493
Di-n-butyl phthalate	ND		0.408	1	01/08/2024 17:35	WG2202493
Diethyl phthalate	ND		0.408	1	01/08/2024 17:35	WG2202493
Dimethyl phthalate	ND		0.408	1	01/08/2024 17:35	WG2202493
Di-n-octyl phthalate	ND		0.408	1	01/08/2024 17:35	WG2202493
Pyrene	0.213		0.0408	1	01/08/2024 17:35	WG2202493
1,2,4-Trichlorobenzene	ND		0.408	1	01/08/2024 17:35	WG2202493
4-Chloro-3-methylphenol	ND		0.408	1	01/08/2024 17:35	WG2202493
2-Chlorophenol	ND		0.408	1	01/08/2024 17:35	WG2202493
2,4-Dichlorophenol	ND		0.408	1	01/08/2024 17:35	WG2202493
2,4-Dimethylphenol	ND		0.408	1	01/08/2024 17:35	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.408	1	01/08/2024 17:35	WG2202493
2,4-Dinitrophenol	ND		0.408	1	01/08/2024 17:35	WG2202493
2-Nitrophenol	ND		0.408	1	01/08/2024 17:35	WG2202493
4-Nitrophenol	ND		0.408	1	01/08/2024 17:35	WG2202493
Pentachlorophenol	ND		0.408	1	01/08/2024 17:35	WG2202493
Phenol	ND		0.408	1	01/08/2024 17:35	WG2202493
2,4,6-Trichlorophenol	ND		0.408	1	01/08/2024 17:35	WG2202493
(S) 2-Fluorophenol	55.4		12.0-120		01/08/2024 17:35	WG2202493
(S) Phenol-d5	52.3		10.0-120		01/08/2024 17:35	WG2202493
(S) Nitrobenzene-d5	44.7		10.0-122		01/08/2024 17:35	WG2202493
(S) 2-Fluorobiphenyl	48.9		15.0-120		01/08/2024 17:35	WG2202493
(S) 2,4,6-Tribromophenol	54.2		10.0-127		01/08/2024 17:35	WG2202493
(S) p-Terphenyl-d14	55.0		10.0-120		01/08/2024 17:35	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	83.2		1	01/08/2024 12:16	WG2202798

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.20	1	01/09/2024 02:26	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	ND		0.0481	1	01/06/2024 22:05	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		3.60	5	01/24/2024 11:27	WG2202530
Arsenic	2.47		1.20	5	01/24/2024 11:27	WG2202530
Barium	71.6		3.00	5	01/24/2024 11:27	WG2202530
Beryllium	ND		3.00	5	01/24/2024 11:27	WG2202530
Cadmium	ND		1.20	5	01/24/2024 11:27	WG2202530
Chromium	29.9		6.01	5	01/24/2024 11:27	WG2202530
Cobalt	11.7		1.20	5	01/24/2024 11:27	WG2202530
Copper	17.9		6.01	5	01/24/2024 11:27	WG2202530
Lead	28.3		2.40	5	01/24/2024 11:27	WG2202530
Manganese	540		3.00	5	01/24/2024 11:27	WG2202530
Nickel	16.9		3.00	5	01/24/2024 11:27	WG2202530
Selenium	ND		3.00	5	01/24/2024 11:27	WG2202530
Silver	ND		0.601	5	01/24/2024 11:27	WG2202530
Thallium	ND		2.40	5	01/24/2024 11:27	WG2202530
Vanadium	35.5		3.00	5	01/24/2024 11:27	WG2202530
Zinc	47.0		30.0	5	01/24/2024 11:27	WG2202530

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND		0.0715	1	01/11/2024 00:54	WG2204944
Acrylonitrile	ND		0.0179	1	01/11/2024 00:54	WG2204944
Benzene	ND		0.00143	1	01/11/2024 00:54	WG2204944
Bromobenzene	ND		0.0179	1	01/11/2024 00:54	WG2204944
Bromodichloromethane	ND		0.00357	1	01/11/2024 00:54	WG2204944
Bromoform	ND		0.0357	1	01/11/2024 00:54	WG2204944
Bromomethane	ND		0.0179	1	01/11/2024 00:54	WG2204944
n-Butylbenzene	ND		0.0179	1	01/11/2024 00:54	WG2204944
sec-Butylbenzene	ND		0.0179	1	01/11/2024 00:54	WG2204944
tert-Butylbenzene	ND		0.00715	1	01/11/2024 00:54	WG2204944
Carbon tetrachloride	ND		0.00715	1	01/11/2024 00:54	WG2204944
Chlorobenzene	ND		0.00357	1	01/11/2024 00:54	WG2204944
Chlorodibromomethane	ND		0.00357	1	01/11/2024 00:54	WG2204944
Chloroethane	ND		0.00715	1	01/11/2024 00:54	WG2204944
Chloroform	ND		0.00357	1	01/11/2024 00:54	WG2204944
Chloromethane	ND		0.0179	1	01/11/2024 00:54	WG2204944
2-Chlorotoluene	ND		0.00357	1	01/11/2024 00:54	WG2204944
4-Chlorotoluene	ND		0.00715	1	01/11/2024 00:54	WG2204944
1,2-Dibromo-3-Chloropropane	ND		0.0357	1	01/11/2024 00:54	WG2204944

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00357	1	01/11/2024 00:54	WG2204944
Dibromomethane	ND		0.00715	1	01/11/2024 00:54	WG2204944
1,2-Dichlorobenzene	ND		0.00715	1	01/11/2024 00:54	WG2204944
1,3-Dichlorobenzene	ND		0.00715	1	01/11/2024 00:54	WG2204944
1,4-Dichlorobenzene	ND		0.00715	1	01/11/2024 00:54	WG2204944
Dichlorodifluoromethane	ND	C3	0.00715	1	01/11/2024 00:54	WG2204944
1,1-Dichloroethane	ND		0.00357	1	01/11/2024 00:54	WG2204944
1,2-Dichloroethane	ND		0.00357	1	01/11/2024 00:54	WG2204944
1,1-Dichloroethene	ND		0.00357	1	01/11/2024 00:54	WG2204944
cis-1,2-Dichloroethene	ND		0.00357	1	01/11/2024 00:54	WG2204944
trans-1,2-Dichloroethene	ND		0.00715	1	01/11/2024 00:54	WG2204944
1,2-Dichloropropane	ND		0.00715	1	01/11/2024 00:54	WG2204944
1,1-Dichloropropene	ND		0.00357	1	01/11/2024 00:54	WG2204944
1,3-Dichloropropane	ND		0.00715	1	01/11/2024 00:54	WG2204944
cis-1,3-Dichloropropene	ND		0.00357	1	01/11/2024 00:54	WG2204944
trans-1,3-Dichloropropene	ND		0.00715	1	01/11/2024 00:54	WG2204944
2,2-Dichloropropane	ND		0.00357	1	01/11/2024 00:54	WG2204944
Di-isopropyl ether	ND		0.00143	1	01/11/2024 00:54	WG2204944
Ethylbenzene	ND		0.00357	1	01/11/2024 00:54	WG2204944
Hexachloro-1,3-butadiene	ND		0.0357	1	01/11/2024 00:54	WG2204944
Isopropylbenzene	ND		0.00357	1	01/11/2024 00:54	WG2204944
p-Isopropyltoluene	0.0267		0.00715	1	01/11/2024 00:54	WG2204944
2-Butanone (MEK)	ND	C3	0.143	1	01/11/2024 00:54	WG2204944
Methylene Chloride	ND		0.0357	1	01/11/2024 00:54	WG2204944
4-Methyl-2-pentanone (MIBK)	ND		0.0357	1	01/11/2024 00:54	WG2204944
Methyl tert-butyl ether	ND		0.00143	1	01/11/2024 00:54	WG2204944
Naphthalene	ND	C3	0.0179	1	01/11/2024 00:54	WG2204944
n-Propylbenzene	ND		0.00715	1	01/11/2024 00:54	WG2204944
Styrene	ND		0.0179	1	01/11/2024 00:54	WG2204944
1,1,1,2-Tetrachloroethane	ND		0.00357	1	01/11/2024 00:54	WG2204944
1,1,2,2-Tetrachloroethane	ND		0.00357	1	01/11/2024 00:54	WG2204944
Tetrachloroethene	ND		0.00357	1	01/11/2024 00:54	WG2204944
Toluene	ND		0.00715	1	01/11/2024 00:54	WG2204944
1,2,3-Trichlorobenzene	ND		0.0179	1	01/11/2024 00:54	WG2204944
1,2,4-Trichlorobenzene	ND		0.0179	1	01/11/2024 00:54	WG2204944
1,1,1-Trichloroethane	ND		0.00357	1	01/11/2024 00:54	WG2204944
1,1,2-Trichloroethane	ND		0.00357	1	01/11/2024 00:54	WG2204944
Trichloroethene	ND		0.00143	1	01/11/2024 00:54	WG2204944
Trichlorofluoromethane	ND	C3	0.00357	1	01/11/2024 00:54	WG2204944
1,2,3-Trichloropropane	ND		0.0179	1	01/11/2024 00:54	WG2204944
1,2,4-Trimethylbenzene	ND		0.00715	1	01/11/2024 00:54	WG2204944
1,3,5-Trimethylbenzene	ND		0.00715	1	01/11/2024 00:54	WG2204944
Vinyl chloride	ND		0.00357	1	01/11/2024 00:54	WG2204944
Xylenes, Total	ND		0.00929	1	01/11/2024 00:54	WG2204944
(S) Toluene-d8	100		75.0-131		01/11/2024 00:54	WG2204944
(S) 4-Bromofluorobenzene	97.9		67.0-138		01/11/2024 00:54	WG2204944
(S) 1,2-Dichloroethane-d4	87.8		70.0-130		01/11/2024 00:54	WG2204944

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0400	1	01/08/2024 21:18	WG2202493
Acenaphthylene	ND		0.0400	1	01/08/2024 21:18	WG2202493
Anthracene	0.0466		0.0400	1	01/08/2024 21:18	WG2202493
Benzidine	ND		2.01	1	01/08/2024 21:18	WG2202493
Benzo(a)anthracene	0.159		0.0400	1	01/08/2024 21:18	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.245		0.0400	1	01/08/2024 21:18	WG2202493
Benzo(k)fluoranthene	0.0819		0.0400	1	01/08/2024 21:18	WG2202493
Benzo(g,h,i)perylene	0.0502		0.0400	1	01/08/2024 21:18	WG2202493
Benzo(a)pyrene	0.157		0.0400	1	01/08/2024 21:18	WG2202493
Bis(2-chlorethoxy)methane	ND		0.400	1	01/08/2024 21:18	WG2202493
Bis(2-chloroethyl)ether	ND		0.400	1	01/08/2024 21:18	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.400	1	01/08/2024 21:18	WG2202493
4-Bromophenyl-phenylether	ND		0.400	1	01/08/2024 21:18	WG2202493
2-Chloronaphthalene	ND		0.0400	1	01/08/2024 21:18	WG2202493
4-Chlorophenyl-phenylether	ND		0.400	1	01/08/2024 21:18	WG2202493
Chrysene	0.136		0.0400	1	01/08/2024 21:18	WG2202493
Dibenz(a,h)anthracene	ND		0.0400	1	01/08/2024 21:18	WG2202493
3,3-Dichlorobenzidine	ND		0.400	1	01/08/2024 21:18	WG2202493
2,4-Dinitrotoluene	ND		0.400	1	01/08/2024 21:18	WG2202493
2,6-Dinitrotoluene	ND		0.400	1	01/08/2024 21:18	WG2202493
Fluoranthene	0.377		0.0400	1	01/08/2024 21:18	WG2202493
Fluorene	ND		0.0400	1	01/08/2024 21:18	WG2202493
Hexachlorobenzene	ND		0.400	1	01/08/2024 21:18	WG2202493
Hexachloro-1,3-butadiene	ND		0.400	1	01/08/2024 21:18	WG2202493
Hexachlorocyclopentadiene	ND		0.400	1	01/08/2024 21:18	WG2202493
Hexachloroethane	ND		0.400	1	01/08/2024 21:18	WG2202493
Indeno(1,2,3-cd)pyrene	0.0622		0.0400	1	01/08/2024 21:18	WG2202493
Isophorone	ND		0.400	1	01/08/2024 21:18	WG2202493
Naphthalene	ND		0.0400	1	01/08/2024 21:18	WG2202493
Nitrobenzene	ND		0.400	1	01/08/2024 21:18	WG2202493
n-Nitrosodimethylamine	ND		0.400	1	01/08/2024 21:18	WG2202493
n-Nitrosodiphenylamine	ND		0.400	1	01/08/2024 21:18	WG2202493
n-Nitrosodi-n-propylamine	ND		0.400	1	01/08/2024 21:18	WG2202493
Phenanthrene	0.229		0.0400	1	01/08/2024 21:18	WG2202493
Benzylbutyl phthalate	ND		0.400	1	01/08/2024 21:18	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.400	1	01/08/2024 21:18	WG2202493
Di-n-butyl phthalate	ND		0.400	1	01/08/2024 21:18	WG2202493
Diethyl phthalate	ND		0.400	1	01/08/2024 21:18	WG2202493
Dimethyl phthalate	ND		0.400	1	01/08/2024 21:18	WG2202493
Di-n-octyl phthalate	ND		0.400	1	01/08/2024 21:18	WG2202493
Pyrene	0.305		0.0400	1	01/08/2024 21:18	WG2202493
1,2,4-Trichlorobenzene	ND		0.400	1	01/08/2024 21:18	WG2202493
4-Chloro-3-methylphenol	ND		0.400	1	01/08/2024 21:18	WG2202493
2-Chlorophenol	ND		0.400	1	01/08/2024 21:18	WG2202493
2,4-Dichlorophenol	ND		0.400	1	01/08/2024 21:18	WG2202493
2,4-Dimethylphenol	ND		0.400	1	01/08/2024 21:18	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.400	1	01/08/2024 21:18	WG2202493
2,4-Dinitrophenol	ND		0.400	1	01/08/2024 21:18	WG2202493
2-Nitrophenol	ND		0.400	1	01/08/2024 21:18	WG2202493
4-Nitrophenol	ND		0.400	1	01/08/2024 21:18	WG2202493
Pentachlorophenol	ND		0.400	1	01/08/2024 21:18	WG2202493
Phenol	ND		0.400	1	01/08/2024 21:18	WG2202493
2,4,6-Trichlorophenol	ND		0.400	1	01/08/2024 21:18	WG2202493
(S) 2-Fluorophenol	58.8		12.0-120		01/08/2024 21:18	WG2202493
(S) Phenol-d5	54.5		10.0-120		01/08/2024 21:18	WG2202493
(S) Nitrobenzene-d5	46.9		10.0-122		01/08/2024 21:18	WG2202493
(S) 2-Fluorobiphenyl	51.5		15.0-120		01/08/2024 21:18	WG2202493
(S) 2,4,6-Tribromophenol	57.9		10.0-127		01/08/2024 21:18	WG2202493
(S) p-Terphenyl-d14	58.6		10.0-120		01/08/2024 21:18	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.4		1	01/08/2024 12:16	WG2202798

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.21	1	01/09/2024 02:33	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0517		0.0485	1	01/06/2024 22:07	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.64	5	01/24/2024 11:31	WG2202530
Arsenic	2.13		1.21	5	01/24/2024 11:31	WG2202530
Barium	89.2		3.03	5	01/24/2024 11:31	WG2202530
Beryllium	ND		3.03	5	01/24/2024 11:31	WG2202530
Cadmium	ND		1.21	5	01/24/2024 11:31	WG2202530
Chromium	23.8		6.06	5	01/24/2024 11:31	WG2202530
Cobalt	17.4		1.21	5	01/24/2024 11:31	WG2202530
Copper	37.9		6.06	5	01/24/2024 11:31	WG2202530
Lead	39.6		2.43	5	01/24/2024 11:31	WG2202530
Manganese	481		3.03	5	01/24/2024 11:31	WG2202530
Nickel	66.7		3.03	5	01/24/2024 11:31	WG2202530
Selenium	ND		3.03	5	01/24/2024 11:31	WG2202530
Silver	ND		0.606	5	01/24/2024 11:31	WG2202530
Thallium	ND		2.43	5	01/24/2024 11:31	WG2202530
Vanadium	39.6		3.03	5	01/24/2024 11:31	WG2202530
Zinc	65.7		30.3	5	01/24/2024 11:31	WG2202530

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	0.181		0.0719	1	01/11/2024 01:14	WG2204944
Acrylonitrile	ND		0.0180	1	01/11/2024 01:14	WG2204944
Benzene	ND		0.00144	1	01/11/2024 01:14	WG2204944
Bromobenzene	ND		0.0180	1	01/11/2024 01:14	WG2204944
Bromodichloromethane	ND		0.00359	1	01/11/2024 01:14	WG2204944
Bromoform	ND		0.0359	1	01/11/2024 01:14	WG2204944
Bromomethane	ND		0.0180	1	01/11/2024 01:14	WG2204944
n-Butylbenzene	ND		0.0180	1	01/11/2024 01:14	WG2204944
sec-Butylbenzene	ND		0.0180	1	01/11/2024 01:14	WG2204944
tert-Butylbenzene	ND		0.00719	1	01/11/2024 01:14	WG2204944
Carbon tetrachloride	ND		0.00719	1	01/11/2024 01:14	WG2204944
Chlorobenzene	ND		0.00359	1	01/11/2024 01:14	WG2204944
Chlorodibromomethane	ND		0.00359	1	01/11/2024 01:14	WG2204944
Chloroethane	ND		0.00719	1	01/11/2024 01:14	WG2204944
Chloroform	ND		0.00359	1	01/11/2024 01:14	WG2204944
Chloromethane	ND		0.0180	1	01/11/2024 01:14	WG2204944
2-Chlorotoluene	ND		0.00359	1	01/11/2024 01:14	WG2204944
4-Chlorotoluene	ND		0.00719	1	01/11/2024 01:14	WG2204944
1,2-Dibromo-3-Chloropropane	ND		0.0359	1	01/11/2024 01:14	WG2204944

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00359	1	01/11/2024 01:14	WG2204944
Dibromomethane	ND		0.00719	1	01/11/2024 01:14	WG2204944
1,2-Dichlorobenzene	ND		0.00719	1	01/11/2024 01:14	WG2204944
1,3-Dichlorobenzene	ND		0.00719	1	01/11/2024 01:14	WG2204944
1,4-Dichlorobenzene	ND		0.00719	1	01/11/2024 01:14	WG2204944
Dichlorodifluoromethane	ND	C3	0.00719	1	01/11/2024 01:14	WG2204944
1,1-Dichloroethane	ND		0.00359	1	01/11/2024 01:14	WG2204944
1,2-Dichloroethane	ND		0.00359	1	01/11/2024 01:14	WG2204944
1,1-Dichloroethene	ND		0.00359	1	01/11/2024 01:14	WG2204944
cis-1,2-Dichloroethene	ND		0.00359	1	01/11/2024 01:14	WG2204944
trans-1,2-Dichloroethene	ND		0.00719	1	01/11/2024 01:14	WG2204944
1,2-Dichloropropane	ND		0.00719	1	01/11/2024 01:14	WG2204944
1,1-Dichloropropene	ND		0.00359	1	01/11/2024 01:14	WG2204944
1,3-Dichloropropane	ND		0.00719	1	01/11/2024 01:14	WG2204944
cis-1,3-Dichloropropene	ND		0.00359	1	01/11/2024 01:14	WG2204944
trans-1,3-Dichloropropene	ND		0.00719	1	01/11/2024 01:14	WG2204944
2,2-Dichloropropane	ND		0.00359	1	01/11/2024 01:14	WG2204944
Di-isopropyl ether	ND		0.00144	1	01/11/2024 01:14	WG2204944
Ethylbenzene	ND		0.00359	1	01/11/2024 01:14	WG2204944
Hexachloro-1,3-butadiene	ND		0.0359	1	01/11/2024 01:14	WG2204944
Isopropylbenzene	ND		0.00359	1	01/11/2024 01:14	WG2204944
p-Isopropyltoluene	ND		0.00719	1	01/11/2024 01:14	WG2204944
2-Butanone (MEK)	ND	C3	0.144	1	01/11/2024 01:14	WG2204944
Methylene Chloride	ND		0.0359	1	01/11/2024 01:14	WG2204944
4-Methyl-2-pentanone (MIBK)	ND		0.0359	1	01/11/2024 01:14	WG2204944
Methyl tert-butyl ether	ND		0.00144	1	01/11/2024 01:14	WG2204944
Naphthalene	0.0582	C3	0.0180	1	01/11/2024 01:14	WG2204944
n-Propylbenzene	ND		0.00719	1	01/11/2024 01:14	WG2204944
Styrene	ND		0.0180	1	01/11/2024 01:14	WG2204944
1,1,1,2-Tetrachloroethane	ND		0.00359	1	01/11/2024 01:14	WG2204944
1,1,2,2-Tetrachloroethane	ND		0.00359	1	01/11/2024 01:14	WG2204944
Tetrachloroethene	ND		0.00359	1	01/11/2024 01:14	WG2204944
Toluene	ND		0.00719	1	01/11/2024 01:14	WG2204944
1,2,3-Trichlorobenzene	ND		0.0180	1	01/11/2024 01:14	WG2204944
1,2,4-Trichlorobenzene	ND		0.0180	1	01/11/2024 01:14	WG2204944
1,1,1-Trichloroethane	ND		0.00359	1	01/11/2024 01:14	WG2204944
1,1,2-Trichloroethane	ND		0.00359	1	01/11/2024 01:14	WG2204944
Trichloroethene	ND		0.00144	1	01/11/2024 01:14	WG2204944
Trichlorofluoromethane	ND	C3	0.00359	1	01/11/2024 01:14	WG2204944
1,2,3-Trichloropropane	ND		0.0180	1	01/11/2024 01:14	WG2204944
1,2,4-Trimethylbenzene	ND		0.00719	1	01/11/2024 01:14	WG2204944
1,3,5-Trimethylbenzene	ND		0.00719	1	01/11/2024 01:14	WG2204944
Vinyl chloride	ND		0.00359	1	01/11/2024 01:14	WG2204944
Xylenes, Total	ND		0.00935	1	01/11/2024 01:14	WG2204944
(S) Toluene-d8	102		75.0-131		01/11/2024 01:14	WG2204944
(S) 4-Bromofluorobenzene	104		67.0-138		01/11/2024 01:14	WG2204944
(S) 1,2-Dichloroethane-d4	89.2		70.0-130		01/11/2024 01:14	WG2204944

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	0.0460		0.0404	1	01/08/2024 21:38	WG2202493
Acenaphthylene	ND		0.0404	1	01/08/2024 21:38	WG2202493
Anthracene	0.0813		0.0404	1	01/08/2024 21:38	WG2202493
Benzidine	ND		2.03	1	01/08/2024 21:38	WG2202493
Benzo(a)anthracene	0.338		0.0404	1	01/08/2024 21:38	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.486		0.0404	1	01/08/2024 21:38	WG2202493
Benzo(k)fluoranthene	0.153		0.0404	1	01/08/2024 21:38	WG2202493
Benzo(g,h,i)perylene	0.104		0.0404	1	01/08/2024 21:38	WG2202493
Benzo(a)pyrene	0.321		0.0404	1	01/08/2024 21:38	WG2202493
Bis(2-chlorethoxy)methane	ND		0.404	1	01/08/2024 21:38	WG2202493
Bis(2-chloroethyl)ether	ND		0.404	1	01/08/2024 21:38	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.404	1	01/08/2024 21:38	WG2202493
4-Bromophenyl-phenylether	ND		0.404	1	01/08/2024 21:38	WG2202493
2-Chloronaphthalene	ND		0.0404	1	01/08/2024 21:38	WG2202493
4-Chlorophenyl-phenylether	ND		0.404	1	01/08/2024 21:38	WG2202493
Chrysene	0.283		0.0404	1	01/08/2024 21:38	WG2202493
Dibenz(a,h)anthracene	ND		0.0404	1	01/08/2024 21:38	WG2202493
3,3-Dichlorobenzidine	ND		0.404	1	01/08/2024 21:38	WG2202493
2,4-Dinitrotoluene	ND		0.404	1	01/08/2024 21:38	WG2202493
2,6-Dinitrotoluene	ND		0.404	1	01/08/2024 21:38	WG2202493
Fluoranthene	0.603		0.0404	1	01/08/2024 21:38	WG2202493
Fluorene	ND		0.0404	1	01/08/2024 21:38	WG2202493
Hexachlorobenzene	ND		0.404	1	01/08/2024 21:38	WG2202493
Hexachloro-1,3-butadiene	ND		0.404	1	01/08/2024 21:38	WG2202493
Hexachlorocyclopentadiene	ND		0.404	1	01/08/2024 21:38	WG2202493
Hexachloroethane	ND		0.404	1	01/08/2024 21:38	WG2202493
Indeno(1,2,3-cd)pyrene	0.127		0.0404	1	01/08/2024 21:38	WG2202493
Isophorone	ND		0.404	1	01/08/2024 21:38	WG2202493
Naphthalene	ND		0.0404	1	01/08/2024 21:38	WG2202493
Nitrobenzene	ND		0.404	1	01/08/2024 21:38	WG2202493
n-Nitrosodimethylamine	ND		0.404	1	01/08/2024 21:38	WG2202493
n-Nitrosodiphenylamine	ND		0.404	1	01/08/2024 21:38	WG2202493
n-Nitrosodi-n-propylamine	ND		0.404	1	01/08/2024 21:38	WG2202493
Phenanthrene	0.381		0.0404	1	01/08/2024 21:38	WG2202493
Benzylbutyl phthalate	ND		0.404	1	01/08/2024 21:38	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.404	1	01/08/2024 21:38	WG2202493
Di-n-butyl phthalate	ND		0.404	1	01/08/2024 21:38	WG2202493
Diethyl phthalate	ND		0.404	1	01/08/2024 21:38	WG2202493
Dimethyl phthalate	ND		0.404	1	01/08/2024 21:38	WG2202493
Di-n-octyl phthalate	ND		0.404	1	01/08/2024 21:38	WG2202493
Pyrene	0.547		0.0404	1	01/08/2024 21:38	WG2202493
1,2,4-Trichlorobenzene	ND		0.404	1	01/08/2024 21:38	WG2202493
4-Chloro-3-methylphenol	ND		0.404	1	01/08/2024 21:38	WG2202493
2-Chlorophenol	ND		0.404	1	01/08/2024 21:38	WG2202493
2,4-Dichlorophenol	ND		0.404	1	01/08/2024 21:38	WG2202493
2,4-Dimethylphenol	ND		0.404	1	01/08/2024 21:38	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.404	1	01/08/2024 21:38	WG2202493
2,4-Dinitrophenol	ND		0.404	1	01/08/2024 21:38	WG2202493
2-Nitrophenol	ND		0.404	1	01/08/2024 21:38	WG2202493
4-Nitrophenol	ND		0.404	1	01/08/2024 21:38	WG2202493
Pentachlorophenol	ND		0.404	1	01/08/2024 21:38	WG2202493
Phenol	ND		0.404	1	01/08/2024 21:38	WG2202493
2,4,6-Trichlorophenol	ND		0.404	1	01/08/2024 21:38	WG2202493
(S) 2-Fluorophenol	50.8		12.0-120		01/08/2024 21:38	WG2202493
(S) Phenol-d5	47.7		10.0-120		01/08/2024 21:38	WG2202493
(S) Nitrobenzene-d5	42.2		10.0-122		01/08/2024 21:38	WG2202493
(S) 2-Fluorobiphenyl	47.1		15.0-120		01/08/2024 21:38	WG2202493
(S) 2,4,6-Tribromophenol	51.4		10.0-127		01/08/2024 21:38	WG2202493
(S) p-Terphenyl-d14	54.4		10.0-120		01/08/2024 21:38	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	83.1		1	01/08/2024 12:16	WG2202798

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.20	1	01/09/2024 02:39	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	0.161		0.0481	1	01/07/2024 17:40	WG2202629

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		3.61	5	01/24/2024 11:34	WG2202530
Arsenic	2.77		1.20	5	01/24/2024 11:34	WG2202530
Barium	80.6		3.01	5	01/24/2024 11:34	WG2202530
Beryllium	ND		3.01	5	01/24/2024 11:34	WG2202530
Cadmium	ND		1.20	5	01/24/2024 11:34	WG2202530
Chromium	24.1		6.01	5	01/24/2024 11:34	WG2202530
Cobalt	6.60		1.20	5	01/24/2024 11:34	WG2202530
Copper	32.0		6.01	5	01/24/2024 11:34	WG2202530
Lead	101		2.41	5	01/24/2024 11:34	WG2202530
Manganese	393		3.01	5	01/24/2024 11:34	WG2202530
Nickel	14.9		3.01	5	01/24/2024 11:34	WG2202530
Selenium	ND		3.01	5	01/24/2024 11:34	WG2202530
Silver	0.902		0.601	5	01/24/2024 11:34	WG2202530
Thallium	ND		2.41	5	01/24/2024 11:34	WG2202530
Vanadium	25.3		3.01	5	01/24/2024 11:34	WG2202530
Zinc	114		30.1	5	01/24/2024 11:34	WG2202530

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND		0.0721	1.03	01/11/2024 01:33	WG2204944
Acrylonitrile	ND		0.0181	1.03	01/11/2024 01:33	WG2204944
Benzene	ND		0.00144	1.03	01/11/2024 01:33	WG2204944
Bromobenzene	ND		0.0181	1.03	01/11/2024 01:33	WG2204944
Bromodichloromethane	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
Bromoform	ND		0.0361	1.03	01/11/2024 01:33	WG2204944
Bromomethane	ND		0.0181	1.03	01/11/2024 01:33	WG2204944
n-Butylbenzene	ND		0.0181	1.03	01/11/2024 01:33	WG2204944
sec-Butylbenzene	ND		0.0181	1.03	01/11/2024 01:33	WG2204944
tert-Butylbenzene	ND		0.00721	1.03	01/11/2024 01:33	WG2204944
Carbon tetrachloride	ND		0.00721	1.03	01/11/2024 01:33	WG2204944
Chlorobenzene	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
Chlorodibromomethane	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
Chloroethane	ND		0.00721	1.03	01/11/2024 01:33	WG2204944
Chloroform	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
Chloromethane	ND		0.0181	1.03	01/11/2024 01:33	WG2204944
2-Chlorotoluene	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
4-Chlorotoluene	ND		0.00721	1.03	01/11/2024 01:33	WG2204944
1,2-Dibromo-3-Chloropropane	ND		0.0361	1.03	01/11/2024 01:33	WG2204944

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
Dibromomethane	ND		0.00721	1.03	01/11/2024 01:33	WG2204944
1,2-Dichlorobenzene	ND		0.00721	1.03	01/11/2024 01:33	WG2204944
1,3-Dichlorobenzene	ND		0.00721	1.03	01/11/2024 01:33	WG2204944
1,4-Dichlorobenzene	ND		0.00721	1.03	01/11/2024 01:33	WG2204944
Dichlorodifluoromethane	ND	C3	0.00721	1.03	01/11/2024 01:33	WG2204944
1,1-Dichloroethane	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
1,2-Dichloroethane	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
1,1-Dichloroethene	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
cis-1,2-Dichloroethene	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
trans-1,2-Dichloroethene	ND		0.00721	1.03	01/11/2024 01:33	WG2204944
1,2-Dichloropropane	ND		0.00721	1.03	01/11/2024 01:33	WG2204944
1,1-Dichloropropene	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
1,3-Dichloropropane	ND		0.00721	1.03	01/11/2024 01:33	WG2204944
cis-1,3-Dichloropropene	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
trans-1,3-Dichloropropene	ND		0.00721	1.03	01/11/2024 01:33	WG2204944
2,2-Dichloropropane	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
Di-isopropyl ether	ND		0.00144	1.03	01/11/2024 01:33	WG2204944
Ethylbenzene	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
Hexachloro-1,3-butadiene	ND		0.0361	1.03	01/11/2024 01:33	WG2204944
Isopropylbenzene	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
p-Isopropyltoluene	0.00794		0.00721	1.03	01/11/2024 01:33	WG2204944
2-Butanone (MEK)	ND	C3	0.144	1.03	01/11/2024 01:33	WG2204944
Methylene Chloride	ND		0.0361	1.03	01/11/2024 01:33	WG2204944
4-Methyl-2-pentanone (MIBK)	ND		0.0361	1.03	01/11/2024 01:33	WG2204944
Methyl tert-butyl ether	ND		0.00144	1.03	01/11/2024 01:33	WG2204944
Naphthalene	ND	C3	0.0181	1.03	01/11/2024 01:33	WG2204944
n-Propylbenzene	ND		0.00721	1.03	01/11/2024 01:33	WG2204944
Styrene	ND		0.0181	1.03	01/11/2024 01:33	WG2204944
1,1,1,2-Tetrachloroethane	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
1,1,2,2-Tetrachloroethane	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
Tetrachloroethene	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
Toluene	ND		0.00721	1.03	01/11/2024 01:33	WG2204944
1,2,3-Trichlorobenzene	ND		0.0181	1.03	01/11/2024 01:33	WG2204944
1,2,4-Trichlorobenzene	ND		0.0181	1.03	01/11/2024 01:33	WG2204944
1,1,1-Trichloroethane	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
1,1,2-Trichloroethane	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
Trichloroethene	ND		0.00144	1.03	01/11/2024 01:33	WG2204944
Trichlorofluoromethane	ND	C3	0.00361	1.03	01/11/2024 01:33	WG2204944
1,2,3-Trichloropropane	ND		0.0181	1.03	01/11/2024 01:33	WG2204944
1,2,4-Trimethylbenzene	ND		0.00721	1.03	01/11/2024 01:33	WG2204944
1,3,5-Trimethylbenzene	ND		0.00721	1.03	01/11/2024 01:33	WG2204944
Vinyl chloride	ND		0.00361	1.03	01/11/2024 01:33	WG2204944
Xylenes, Total	ND		0.00938	1.03	01/11/2024 01:33	WG2204944
(S) Toluene-d8	102		75.0-131		01/11/2024 01:33	WG2204944
(S) 4-Bromofluorobenzene	100		67.0-138		01/11/2024 01:33	WG2204944
(S) 1,2-Dichloroethane-d4	90.3		70.0-130		01/11/2024 01:33	WG2204944

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0401	1	01/08/2024 17:55	WG2202493
Acenaphthylene	ND		0.0401	1	01/08/2024 17:55	WG2202493
Anthracene	ND		0.0401	1	01/08/2024 17:55	WG2202493
Benzidine	ND		2.01	1	01/08/2024 17:55	WG2202493
Benzo(a)anthracene	0.0682		0.0401	1	01/08/2024 17:55	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.104		0.0401	1	01/08/2024 17:55	WG2202493
Benzo(k)fluoranthene	ND		0.0401	1	01/08/2024 17:55	WG2202493
Benzo(g,h,i)perylene	ND		0.0401	1	01/08/2024 17:55	WG2202493
Benzo(a)pyrene	0.0731		0.0401	1	01/08/2024 17:55	WG2202493
Bis(2-chloroethoxy)methane	ND		0.401	1	01/08/2024 17:55	WG2202493
Bis(2-chloroethyl)ether	ND		0.401	1	01/08/2024 17:55	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.401	1	01/08/2024 17:55	WG2202493
4-Bromophenyl-phenylether	ND		0.401	1	01/08/2024 17:55	WG2202493
2-Chloronaphthalene	ND		0.0401	1	01/08/2024 17:55	WG2202493
4-Chlorophenyl-phenylether	ND		0.401	1	01/08/2024 17:55	WG2202493
Chrysene	0.0609		0.0401	1	01/08/2024 17:55	WG2202493
Dibenz(a,h)anthracene	ND		0.0401	1	01/08/2024 17:55	WG2202493
3,3-Dichlorobenzidine	ND		0.401	1	01/08/2024 17:55	WG2202493
2,4-Dinitrotoluene	ND		0.401	1	01/08/2024 17:55	WG2202493
2,6-Dinitrotoluene	ND		0.401	1	01/08/2024 17:55	WG2202493
Fluoranthene	0.153		0.0401	1	01/08/2024 17:55	WG2202493
Fluorene	ND		0.0401	1	01/08/2024 17:55	WG2202493
Hexachlorobenzene	ND		0.401	1	01/08/2024 17:55	WG2202493
Hexachloro-1,3-butadiene	ND		0.401	1	01/08/2024 17:55	WG2202493
Hexachlorocyclopentadiene	ND		0.401	1	01/08/2024 17:55	WG2202493
Hexachloroethane	ND		0.401	1	01/08/2024 17:55	WG2202493
Indeno(1,2,3-cd)pyrene	ND		0.0401	1	01/08/2024 17:55	WG2202493
Isophorone	ND		0.401	1	01/08/2024 17:55	WG2202493
Naphthalene	ND		0.0401	1	01/08/2024 17:55	WG2202493
Nitrobenzene	ND		0.401	1	01/08/2024 17:55	WG2202493
n-Nitrosodimethylamine	ND		0.401	1	01/08/2024 17:55	WG2202493
n-Nitrosodiphenylamine	ND		0.401	1	01/08/2024 17:55	WG2202493
n-Nitrosodi-n-propylamine	ND		0.401	1	01/08/2024 17:55	WG2202493
Phenanthrene	0.0803		0.0401	1	01/08/2024 17:55	WG2202493
Benzylbutyl phthalate	ND		0.401	1	01/08/2024 17:55	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.401	1	01/08/2024 17:55	WG2202493
Di-n-butyl phthalate	ND		0.401	1	01/08/2024 17:55	WG2202493
Diethyl phthalate	ND		0.401	1	01/08/2024 17:55	WG2202493
Dimethyl phthalate	ND		0.401	1	01/08/2024 17:55	WG2202493
Di-n-octyl phthalate	ND		0.401	1	01/08/2024 17:55	WG2202493
Pyrene	0.126		0.0401	1	01/08/2024 17:55	WG2202493
1,2,4-Trichlorobenzene	ND		0.401	1	01/08/2024 17:55	WG2202493
4-Chloro-3-methylphenol	ND		0.401	1	01/08/2024 17:55	WG2202493
2-Chlorophenol	ND		0.401	1	01/08/2024 17:55	WG2202493
2,4-Dichlorophenol	ND		0.401	1	01/08/2024 17:55	WG2202493
2,4-Dimethylphenol	ND		0.401	1	01/08/2024 17:55	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.401	1	01/08/2024 17:55	WG2202493
2,4-Dinitrophenol	ND		0.401	1	01/08/2024 17:55	WG2202493
2-Nitrophenol	ND		0.401	1	01/08/2024 17:55	WG2202493
4-Nitrophenol	ND		0.401	1	01/08/2024 17:55	WG2202493
Pentachlorophenol	ND		0.401	1	01/08/2024 17:55	WG2202493
Phenol	ND		0.401	1	01/08/2024 17:55	WG2202493
2,4,6-Trichlorophenol	ND		0.401	1	01/08/2024 17:55	WG2202493
(S) 2-Fluorophenol	53.8		12.0-120		01/08/2024 17:55	WG2202493
(S) Phenol-d5	49.7		10.0-120		01/08/2024 17:55	WG2202493
(S) Nitrobenzene-d5	45.2		10.0-122		01/08/2024 17:55	WG2202493
(S) 2-Fluorobiphenyl	49.7		15.0-120		01/08/2024 17:55	WG2202493
(S) 2,4,6-Tribromophenol	54.4		10.0-127		01/08/2024 17:55	WG2202493
(S) p-Terphenyl-d14	53.9		10.0-120		01/08/2024 17:55	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.1		1	01/08/2024 12:16	WG2202798

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.26	1	01/09/2024 02:45	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.378		0.0505	1	01/07/2024 16:28	WG2202416

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	4.16		3.79	5	01/24/2024 14:52	WG2202530
Arsenic	15.9		1.26	5	01/24/2024 11:37	WG2202530
Barium	392		31.6	50	01/24/2024 13:43	WG2202530
Beryllium	ND		3.16	5	01/24/2024 11:37	WG2202530
Cadmium	1.69		1.26	5	01/24/2024 11:37	WG2202530
Chromium	42.9		6.32	5	01/24/2024 11:37	WG2202530
Cobalt	11.9		1.26	5	01/24/2024 11:37	WG2202530
Copper	384		63.2	50	01/24/2024 13:43	WG2202530
Lead	3480		101	200	01/24/2024 13:47	WG2202530
Manganese	862		31.6	50	01/24/2024 13:43	WG2202530
Nickel	33.5		3.16	5	01/24/2024 11:37	WG2202530
Selenium	ND		3.16	5	01/24/2024 11:37	WG2202530
Silver	1.96		0.632	5	01/24/2024 11:37	WG2202530
Thallium	ND		2.53	5	01/24/2024 11:37	WG2202530
Vanadium	29.6		3.16	5	01/24/2024 11:37	WG2202530
Zinc	840		316	50	01/24/2024 13:43	WG2202530

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0808	1.07	01/11/2024 01:53	WG2204944
Acrylonitrile	ND		0.0202	1.07	01/11/2024 01:53	WG2204944
Benzene	ND		0.00162	1.07	01/11/2024 01:53	WG2204944
Bromobenzene	ND		0.0202	1.07	01/11/2024 01:53	WG2204944
Bromodichloromethane	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
Bromoform	ND		0.0405	1.07	01/11/2024 01:53	WG2204944
Bromomethane	ND		0.0202	1.07	01/11/2024 01:53	WG2204944
n-Butylbenzene	ND		0.0202	1.07	01/11/2024 01:53	WG2204944
sec-Butylbenzene	ND		0.0202	1.07	01/11/2024 01:53	WG2204944
tert-Butylbenzene	ND		0.00808	1.07	01/11/2024 01:53	WG2204944
Carbon tetrachloride	ND		0.00808	1.07	01/11/2024 01:53	WG2204944
Chlorobenzene	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
Chlorodibromomethane	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
Chloroethane	ND		0.00808	1.07	01/11/2024 01:53	WG2204944
Chloroform	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
Chloromethane	ND		0.0202	1.07	01/11/2024 01:53	WG2204944
2-Chlorotoluene	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
4-Chlorotoluene	ND		0.00808	1.07	01/11/2024 01:53	WG2204944
1,2-Dibromo-3-Chloropropane	ND		0.0405	1.07	01/11/2024 01:53	WG2204944

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

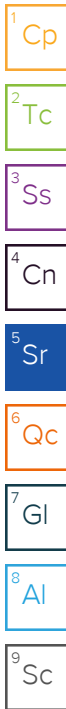
7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
Dibromomethane	ND		0.00808	1.07	01/11/2024 01:53	WG2204944
1,2-Dichlorobenzene	ND		0.00808	1.07	01/11/2024 01:53	WG2204944
1,3-Dichlorobenzene	ND		0.00808	1.07	01/11/2024 01:53	WG2204944
1,4-Dichlorobenzene	ND		0.00808	1.07	01/11/2024 01:53	WG2204944
Dichlorodifluoromethane	ND	C3	0.00808	1.07	01/11/2024 01:53	WG2204944
1,1-Dichloroethane	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
1,2-Dichloroethane	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
1,1-Dichloroethene	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
cis-1,2-Dichloroethene	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
trans-1,2-Dichloroethene	ND		0.00808	1.07	01/11/2024 01:53	WG2204944
1,2-Dichloropropane	ND		0.00808	1.07	01/11/2024 01:53	WG2204944
1,1-Dichloropropene	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
1,3-Dichloropropane	ND		0.00808	1.07	01/11/2024 01:53	WG2204944
cis-1,3-Dichloropropene	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
trans-1,3-Dichloropropene	ND		0.00808	1.07	01/11/2024 01:53	WG2204944
2,2-Dichloropropane	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
Di-isopropyl ether	ND		0.00162	1.07	01/11/2024 01:53	WG2204944
Ethylbenzene	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
Hexachloro-1,3-butadiene	ND		0.0405	1.07	01/11/2024 01:53	WG2204944
Isopropylbenzene	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
p-Isopropyltoluene	ND		0.00808	1.07	01/11/2024 01:53	WG2204944
2-Butanone (MEK)	ND	C3	0.162	1.07	01/11/2024 01:53	WG2204944
Methylene Chloride	ND		0.0405	1.07	01/11/2024 01:53	WG2204944
4-Methyl-2-pentanone (MIBK)	ND		0.0405	1.07	01/11/2024 01:53	WG2204944
Methyl tert-butyl ether	ND		0.00162	1.07	01/11/2024 01:53	WG2204944
Naphthalene	ND	C3	0.0202	1.07	01/11/2024 01:53	WG2204944
n-Propylbenzene	ND		0.00808	1.07	01/11/2024 01:53	WG2204944
Styrene	ND		0.0202	1.07	01/11/2024 01:53	WG2204944
1,1,1,2-Tetrachloroethane	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
1,1,2,2-Tetrachloroethane	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
Tetrachloroethene	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
Toluene	ND		0.00808	1.07	01/11/2024 01:53	WG2204944
1,2,3-Trichlorobenzene	ND		0.0202	1.07	01/11/2024 01:53	WG2204944
1,2,4-Trichlorobenzene	ND		0.0202	1.07	01/11/2024 01:53	WG2204944
1,1,1-Trichloroethane	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
1,1,2-Trichloroethane	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
Trichloroethene	ND		0.00162	1.07	01/11/2024 01:53	WG2204944
Trichlorofluoromethane	ND	C3	0.00405	1.07	01/11/2024 01:53	WG2204944
1,2,3-Trichloropropane	ND		0.0202	1.07	01/11/2024 01:53	WG2204944
1,2,4-Trimethylbenzene	ND		0.00808	1.07	01/11/2024 01:53	WG2204944
1,3,5-Trimethylbenzene	ND		0.00808	1.07	01/11/2024 01:53	WG2204944
Vinyl chloride	ND		0.00405	1.07	01/11/2024 01:53	WG2204944
Xylenes, Total	ND		0.0105	1.07	01/11/2024 01:53	WG2204944
(S) Toluene-d8	102		75.0-131		01/11/2024 01:53	WG2204944
(S) 4-Bromofluorobenzene	99.9		67.0-138		01/11/2024 01:53	WG2204944
(S) 1,2-Dichloroethane-d4	89.7		70.0-130		01/11/2024 01:53	WG2204944



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		0.0421	1	01/08/2024 21:58	WG2202493
Acenaphthylene	ND		0.0421	1	01/08/2024 21:58	WG2202493
Anthracene	ND		0.0421	1	01/08/2024 21:58	WG2202493
Benzidine	ND		2.11	1	01/08/2024 21:58	WG2202493
Benzo(a)anthracene	0.0759		0.0421	1	01/08/2024 21:58	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.162		0.0421	1	01/08/2024 21:58	WG2202493
Benzo(k)fluoranthene	0.0508		0.0421	1	01/08/2024 21:58	WG2202493
Benzo(g,h,i)perylene	ND		0.0421	1	01/08/2024 21:58	WG2202493
Benzo(a)pyrene	0.0915		0.0421	1	01/08/2024 21:58	WG2202493
Bis(2-chloroethoxy)methane	ND		0.421	1	01/08/2024 21:58	WG2202493
Bis(2-chloroethyl)ether	ND		0.421	1	01/08/2024 21:58	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.421	1	01/08/2024 21:58	WG2202493
4-Bromophenyl-phenylether	ND		0.421	1	01/08/2024 21:58	WG2202493
2-Chloronaphthalene	ND		0.0421	1	01/08/2024 21:58	WG2202493
4-Chlorophenyl-phenylether	ND		0.421	1	01/08/2024 21:58	WG2202493
Chrysene	0.0701		0.0421	1	01/08/2024 21:58	WG2202493
Dibenz(a,h)anthracene	ND		0.0421	1	01/08/2024 21:58	WG2202493
3,3-Dichlorobenzidine	ND		0.421	1	01/08/2024 21:58	WG2202493
2,4-Dinitrotoluene	ND		0.421	1	01/08/2024 21:58	WG2202493
2,6-Dinitrotoluene	ND		0.421	1	01/08/2024 21:58	WG2202493
Fluoranthene	0.160		0.0421	1	01/08/2024 21:58	WG2202493
Fluorene	ND		0.0421	1	01/08/2024 21:58	WG2202493
Hexachlorobenzene	ND		0.421	1	01/08/2024 21:58	WG2202493
Hexachloro-1,3-butadiene	ND		0.421	1	01/08/2024 21:58	WG2202493
Hexachlorocyclopentadiene	ND		0.421	1	01/08/2024 21:58	WG2202493
Hexachloroethane	ND		0.421	1	01/08/2024 21:58	WG2202493
Indeno(1,2,3-cd)pyrene	ND		0.0421	1	01/08/2024 21:58	WG2202493
Isophorone	ND		0.421	1	01/08/2024 21:58	WG2202493
Naphthalene	ND		0.0421	1	01/08/2024 21:58	WG2202493
Nitrobenzene	ND		0.421	1	01/08/2024 21:58	WG2202493
n-Nitrosodimethylamine	ND		0.421	1	01/08/2024 21:58	WG2202493
n-Nitrosodiphenylamine	ND		0.421	1	01/08/2024 21:58	WG2202493
n-Nitrosodi-n-propylamine	ND		0.421	1	01/08/2024 21:58	WG2202493
Phenanthrene	0.0719		0.0421	1	01/08/2024 21:58	WG2202493
Benzylbutyl phthalate	ND		0.421	1	01/08/2024 21:58	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.421	1	01/08/2024 21:58	WG2202493
Di-n-butyl phthalate	ND		0.421	1	01/08/2024 21:58	WG2202493
Diethyl phthalate	ND		0.421	1	01/08/2024 21:58	WG2202493
Dimethyl phthalate	ND		0.421	1	01/08/2024 21:58	WG2202493
Di-n-octyl phthalate	ND		0.421	1	01/08/2024 21:58	WG2202493
Pyrene	0.145		0.0421	1	01/08/2024 21:58	WG2202493
1,2,4-Trichlorobenzene	ND		0.421	1	01/08/2024 21:58	WG2202493
4-Chloro-3-methylphenol	ND		0.421	1	01/08/2024 21:58	WG2202493
2-Chlorophenol	ND		0.421	1	01/08/2024 21:58	WG2202493
2,4-Dichlorophenol	ND		0.421	1	01/08/2024 21:58	WG2202493
2,4-Dimethylphenol	ND		0.421	1	01/08/2024 21:58	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.421	1	01/08/2024 21:58	WG2202493
2,4-Dinitrophenol	ND		0.421	1	01/08/2024 21:58	WG2202493
2-Nitrophenol	ND		0.421	1	01/08/2024 21:58	WG2202493
4-Nitrophenol	ND		0.421	1	01/08/2024 21:58	WG2202493
Pentachlorophenol	ND		0.421	1	01/08/2024 21:58	WG2202493
Phenol	ND		0.421	1	01/08/2024 21:58	WG2202493
2,4,6-Trichlorophenol	ND		0.421	1	01/08/2024 21:58	WG2202493
(S) 2-Fluorophenol	51.1		12.0-120		01/08/2024 21:58	WG2202493
(S) Phenol-d5	46.8		10.0-120		01/08/2024 21:58	WG2202493
(S) Nitrobenzene-d5	42.6		10.0-122		01/08/2024 21:58	WG2202493
(S) 2-Fluorobiphenyl	46.6		15.0-120		01/08/2024 21:58	WG2202493
(S) 2,4,6-Tribromophenol	50.3		10.0-127		01/08/2024 21:58	WG2202493
(S) p-Terphenyl-d14	54.0		10.0-120		01/08/2024 21:58	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.3		1	01/08/2024 12:16	WG2202798

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.20	1	01/09/2024 02:51	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.623		0.0480	1	01/06/2024 22:10	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.60	5	01/24/2024 18:53	WG2202529
Arsenic	1.88		1.20	5	01/24/2024 18:53	WG2202529
Barium	133		3.00	5	01/24/2024 18:53	WG2202529
Beryllium	ND		3.00	5	01/24/2024 18:53	WG2202529
Cadmium	ND		1.20	5	01/24/2024 18:53	WG2202529
Chromium	22.1		6.00	5	01/24/2024 18:53	WG2202529
Cobalt	5.40		1.20	5	01/24/2024 18:53	WG2202529
Copper	29.2		6.00	5	01/24/2024 18:53	WG2202529
Lead	94.4		2.40	5	01/24/2024 18:53	WG2202529
Manganese	342		3.00	5	01/24/2024 18:53	WG2202529
Nickel	8.04		3.00	5	01/24/2024 18:53	WG2202529
Selenium	ND		3.00	5	01/24/2024 18:53	WG2202529
Silver	2.54		0.600	5	01/24/2024 18:53	WG2202529
Thallium	ND		2.40	5	01/24/2024 18:53	WG2202529
Vanadium	19.2		3.00	5	01/24/2024 18:53	WG2202529
Zinc	136		30.0	5	01/24/2024 18:53	WG2202529

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0712	1.02	01/11/2024 02:12	WG2204944
Acrylonitrile	ND		0.0179	1.02	01/11/2024 02:12	WG2204944
Benzene	ND		0.00142	1.02	01/11/2024 02:12	WG2204944
Bromobenzene	ND		0.0179	1.02	01/11/2024 02:12	WG2204944
Bromodichloromethane	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
Bromoform	ND		0.0356	1.02	01/11/2024 02:12	WG2204944
Bromomethane	ND		0.0179	1.02	01/11/2024 02:12	WG2204944
n-Butylbenzene	ND		0.0179	1.02	01/11/2024 02:12	WG2204944
sec-Butylbenzene	ND		0.0179	1.02	01/11/2024 02:12	WG2204944
tert-Butylbenzene	ND		0.00712	1.02	01/11/2024 02:12	WG2204944
Carbon tetrachloride	ND		0.00712	1.02	01/11/2024 02:12	WG2204944
Chlorobenzene	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
Chlorodibromomethane	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
Chloroethane	ND		0.00712	1.02	01/11/2024 02:12	WG2204944
Chloroform	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
Chloromethane	ND		0.0179	1.02	01/11/2024 02:12	WG2204944
2-Chlorotoluene	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
4-Chlorotoluene	ND		0.00712	1.02	01/11/2024 02:12	WG2204944
1,2-Dibromo-3-Chloropropane	ND		0.0356	1.02	01/11/2024 02:12	WG2204944

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
Dibromomethane	ND		0.00712	1.02	01/11/2024 02:12	WG2204944
1,2-Dichlorobenzene	ND		0.00712	1.02	01/11/2024 02:12	WG2204944
1,3-Dichlorobenzene	ND		0.00712	1.02	01/11/2024 02:12	WG2204944
1,4-Dichlorobenzene	ND		0.00712	1.02	01/11/2024 02:12	WG2204944
Dichlorodifluoromethane	ND	C3	0.00712	1.02	01/11/2024 02:12	WG2204944
1,1-Dichloroethane	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
1,2-Dichloroethane	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
1,1-Dichloroethene	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
cis-1,2-Dichloroethene	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
trans-1,2-Dichloroethene	ND		0.00712	1.02	01/11/2024 02:12	WG2204944
1,2-Dichloropropane	ND		0.00712	1.02	01/11/2024 02:12	WG2204944
1,1-Dichloropropene	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
1,3-Dichloropropane	ND		0.00712	1.02	01/11/2024 02:12	WG2204944
cis-1,3-Dichloropropene	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
trans-1,3-Dichloropropene	ND		0.00712	1.02	01/11/2024 02:12	WG2204944
2,2-Dichloropropane	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
Di-isopropyl ether	ND		0.00142	1.02	01/11/2024 02:12	WG2204944
Ethylbenzene	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
Hexachloro-1,3-butadiene	ND		0.0356	1.02	01/11/2024 02:12	WG2204944
Isopropylbenzene	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
p-Isopropyltoluene	ND		0.00712	1.02	01/11/2024 02:12	WG2204944
2-Butanone (MEK)	ND	C3	0.142	1.02	01/11/2024 02:12	WG2204944
Methylene Chloride	ND		0.0356	1.02	01/11/2024 02:12	WG2204944
4-Methyl-2-pentanone (MIBK)	ND		0.0356	1.02	01/11/2024 02:12	WG2204944
Methyl tert-butyl ether	ND		0.00142	1.02	01/11/2024 02:12	WG2204944
Naphthalene	ND	C3	0.0179	1.02	01/11/2024 02:12	WG2204944
n-Propylbenzene	ND		0.00712	1.02	01/11/2024 02:12	WG2204944
Styrene	ND		0.0179	1.02	01/11/2024 02:12	WG2204944
1,1,1,2-Tetrachloroethane	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
1,1,2,2-Tetrachloroethane	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
Tetrachloroethene	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
Toluene	ND		0.00712	1.02	01/11/2024 02:12	WG2204944
1,2,3-Trichlorobenzene	ND		0.0179	1.02	01/11/2024 02:12	WG2204944
1,2,4-Trichlorobenzene	ND		0.0179	1.02	01/11/2024 02:12	WG2204944
1,1,1-Trichloroethane	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
1,1,2-Trichloroethane	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
Trichloroethene	ND		0.00142	1.02	01/11/2024 02:12	WG2204944
Trichlorofluoromethane	ND	C3	0.00356	1.02	01/11/2024 02:12	WG2204944
1,2,3-Trichloropropane	ND		0.0179	1.02	01/11/2024 02:12	WG2204944
1,2,4-Trimethylbenzene	ND		0.00712	1.02	01/11/2024 02:12	WG2204944
1,3,5-Trimethylbenzene	ND		0.00712	1.02	01/11/2024 02:12	WG2204944
Vinyl chloride	ND		0.00356	1.02	01/11/2024 02:12	WG2204944
Xylenes, Total	ND		0.00926	1.02	01/11/2024 02:12	WG2204944
(S) Toluene-d8	103		75.0-131		01/11/2024 02:12	WG2204944
(S) 4-Bromofluorobenzene	99.7		67.0-138		01/11/2024 02:12	WG2204944
(S) 1,2-Dichloroethane-d4	90.1		70.0-130		01/11/2024 02:12	WG2204944

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0400	1	01/08/2024 15:13	WG2202493
Acenaphthylene	ND		0.0400	1	01/08/2024 15:13	WG2202493
Anthracene	ND		0.0400	1	01/08/2024 15:13	WG2202493
Benzidine	ND		2.00	1	01/08/2024 15:13	WG2202493
Benzo(a)anthracene	ND		0.0400	1	01/08/2024 15:13	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0400	1	01/08/2024 15:13	WG2202493
Benzo(k)fluoranthene	ND		0.0400	1	01/08/2024 15:13	WG2202493
Benzo(g,h,i)perylene	ND		0.0400	1	01/08/2024 15:13	WG2202493
Benzo(a)pyrene	ND		0.0400	1	01/08/2024 15:13	WG2202493
Bis(2-chloroethoxy)methane	ND		0.400	1	01/08/2024 15:13	WG2202493
Bis(2-chloroethyl)ether	ND		0.400	1	01/08/2024 15:13	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.400	1	01/08/2024 15:13	WG2202493
4-Bromophenyl-phenylether	ND		0.400	1	01/08/2024 15:13	WG2202493
2-Chloronaphthalene	ND		0.0400	1	01/08/2024 15:13	WG2202493
4-Chlorophenyl-phenylether	ND		0.400	1	01/08/2024 15:13	WG2202493
Chrysene	ND		0.0400	1	01/08/2024 15:13	WG2202493
Dibenz(a,h)anthracene	ND		0.0400	1	01/08/2024 15:13	WG2202493
3,3-Dichlorobenzidine	ND		0.400	1	01/08/2024 15:13	WG2202493
2,4-Dinitrotoluene	ND		0.400	1	01/08/2024 15:13	WG2202493
2,6-Dinitrotoluene	ND		0.400	1	01/08/2024 15:13	WG2202493
Fluoranthene	ND		0.0400	1	01/08/2024 15:13	WG2202493
Fluorene	ND		0.0400	1	01/08/2024 15:13	WG2202493
Hexachlorobenzene	ND		0.400	1	01/08/2024 15:13	WG2202493
Hexachloro-1,3-butadiene	ND		0.400	1	01/08/2024 15:13	WG2202493
Hexachlorocyclopentadiene	ND		0.400	1	01/08/2024 15:13	WG2202493
Hexachloroethane	ND		0.400	1	01/08/2024 15:13	WG2202493
Indeno(1,2,3-cd)pyrene	ND		0.0400	1	01/08/2024 15:13	WG2202493
Isophorone	ND		0.400	1	01/08/2024 15:13	WG2202493
Naphthalene	ND		0.0400	1	01/08/2024 15:13	WG2202493
Nitrobenzene	ND		0.400	1	01/08/2024 15:13	WG2202493
n-Nitrosodimethylamine	ND		0.400	1	01/08/2024 15:13	WG2202493
n-Nitrosodiphenylamine	ND		0.400	1	01/08/2024 15:13	WG2202493
n-Nitrosodi-n-propylamine	ND		0.400	1	01/08/2024 15:13	WG2202493
Phenanthrene	ND		0.0400	1	01/08/2024 15:13	WG2202493
Benzylbutyl phthalate	ND		0.400	1	01/08/2024 15:13	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.400	1	01/08/2024 15:13	WG2202493
Di-n-butyl phthalate	ND		0.400	1	01/08/2024 15:13	WG2202493
Diethyl phthalate	ND		0.400	1	01/08/2024 15:13	WG2202493
Dimethyl phthalate	ND		0.400	1	01/08/2024 15:13	WG2202493
Di-n-octyl phthalate	ND		0.400	1	01/08/2024 15:13	WG2202493
Pyrene	ND		0.0400	1	01/08/2024 15:13	WG2202493
1,2,4-Trichlorobenzene	ND		0.400	1	01/08/2024 15:13	WG2202493
4-Chloro-3-methylphenol	ND		0.400	1	01/08/2024 15:13	WG2202493
2-Chlorophenol	ND		0.400	1	01/08/2024 15:13	WG2202493
2,4-Dichlorophenol	ND		0.400	1	01/08/2024 15:13	WG2202493
2,4-Dimethylphenol	ND		0.400	1	01/08/2024 15:13	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.400	1	01/08/2024 15:13	WG2202493
2,4-Dinitrophenol	ND		0.400	1	01/08/2024 15:13	WG2202493
2-Nitrophenol	ND		0.400	1	01/08/2024 15:13	WG2202493
4-Nitrophenol	ND		0.400	1	01/08/2024 15:13	WG2202493
Pentachlorophenol	ND		0.400	1	01/08/2024 15:13	WG2202493
Phenol	ND		0.400	1	01/08/2024 15:13	WG2202493
2,4,6-Trichlorophenol	ND		0.400	1	01/08/2024 15:13	WG2202493
(S) 2-Fluorophenol	48.6		12.0-120		01/08/2024 15:13	WG2202493
(S) Phenol-d5	46.4		10.0-120		01/08/2024 15:13	WG2202493
(S) Nitrobenzene-d5	41.1		10.0-122		01/08/2024 15:13	WG2202493
(S) 2-Fluorobiphenyl	45.3		15.0-120		01/08/2024 15:13	WG2202493
(S) 2,4,6-Tribromophenol	45.3		10.0-127		01/08/2024 15:13	WG2202493
(S) p-Terphenyl-d14	48.4		10.0-120		01/08/2024 15:13	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	75.5		1	01/08/2024 12:16	WG2202798

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.32	1	01/09/2024 03:10	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	ND		0.0530	1	01/06/2024 22:12	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		3.97	5	01/24/2024 18:57	WG2202529
Arsenic	1.87		1.32	5	01/24/2024 18:57	WG2202529
Barium	93.2		3.31	5	01/24/2024 18:57	WG2202529
Beryllium	ND		3.31	5	01/24/2024 18:57	WG2202529
Cadmium	ND		1.32	5	01/24/2024 18:57	WG2202529
Chromium	10.9		6.62	5	01/24/2024 18:57	WG2202529
Cobalt	7.62		1.32	5	01/24/2024 18:57	WG2202529
Copper	10.1		6.62	5	01/24/2024 18:57	WG2202529
Lead	47.4		2.65	5	01/24/2024 18:57	WG2202529
Manganese	842		3.31	5	01/24/2024 18:57	WG2202529
Nickel	10.8		3.31	5	01/24/2024 18:57	WG2202529
Selenium	ND		3.31	5	01/24/2024 18:57	WG2202529
Silver	ND		0.662	5	01/24/2024 18:57	WG2202529
Thallium	ND		2.65	5	01/24/2024 18:57	WG2202529
Vanadium	21.3		3.31	5	01/24/2024 18:57	WG2202529
Zinc	ND		33.1	5	01/24/2024 18:57	WG2202529

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND		0.0951	1.19	01/11/2024 12:10	WG2205376
Acrylonitrile	ND		0.0238	1.19	01/11/2024 12:10	WG2205376
Benzene	ND		0.00190	1.19	01/11/2024 12:10	WG2205376
Bromobenzene	ND		0.0238	1.19	01/11/2024 12:10	WG2205376
Bromodichloromethane	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
Bromoform	ND		0.0475	1.19	01/11/2024 12:10	WG2205376
Bromomethane	ND	C3	0.0238	1.19	01/11/2024 12:10	WG2205376
n-Butylbenzene	ND		0.0238	1.19	01/11/2024 12:10	WG2205376
sec-Butylbenzene	ND		0.0238	1.19	01/11/2024 12:10	WG2205376
tert-Butylbenzene	ND		0.00951	1.19	01/11/2024 12:10	WG2205376
Carbon tetrachloride	ND		0.00951	1.19	01/11/2024 12:10	WG2205376
Chlorobenzene	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
Chlorodibromomethane	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
Chloroethane	ND	C3	0.00951	1.19	01/11/2024 12:10	WG2205376
Chloroform	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
Chloromethane	ND		0.0238	1.19	01/11/2024 12:10	WG2205376
2-Chlorotoluene	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
4-Chlorotoluene	ND		0.00951	1.19	01/11/2024 12:10	WG2205376
1,2-Dibromo-3-Chloropropane	ND		0.0475	1.19	01/11/2024 12:10	WG2205376

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
Dibromomethane	ND		0.00951	1.19	01/11/2024 12:10	WG2205376
1,2-Dichlorobenzene	ND		0.00951	1.19	01/11/2024 12:10	WG2205376
1,3-Dichlorobenzene	ND		0.00951	1.19	01/11/2024 12:10	WG2205376
1,4-Dichlorobenzene	ND		0.00951	1.19	01/11/2024 12:10	WG2205376
Dichlorodifluoromethane	ND		0.00951	1.19	01/11/2024 12:10	WG2205376
1,1-Dichloroethane	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
1,2-Dichloroethane	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
1,1-Dichloroethene	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
cis-1,2-Dichloroethene	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
trans-1,2-Dichloroethene	ND		0.00951	1.19	01/11/2024 12:10	WG2205376
1,2-Dichloropropane	ND		0.00951	1.19	01/11/2024 12:10	WG2205376
1,1-Dichloropropene	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
1,3-Dichloropropane	ND		0.00951	1.19	01/11/2024 12:10	WG2205376
cis-1,3-Dichloropropene	ND	J4	0.00475	1.19	01/11/2024 12:10	WG2205376
trans-1,3-Dichloropropene	ND		0.00951	1.19	01/11/2024 12:10	WG2205376
2,2-Dichloropropane	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
Di-isopropyl ether	ND		0.00190	1.19	01/11/2024 12:10	WG2205376
Ethylbenzene	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
Hexachloro-1,3-butadiene	ND		0.0475	1.19	01/11/2024 12:10	WG2205376
Isopropylbenzene	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
p-Isopropyltoluene	0.0496	C5	0.00951	1.19	01/11/2024 12:10	WG2205376
2-Butanone (MEK)	ND		0.190	1.19	01/11/2024 12:10	WG2205376
Methylene Chloride	ND		0.0475	1.19	01/11/2024 12:10	WG2205376
4-Methyl-2-pentanone (MIBK)	ND		0.0475	1.19	01/11/2024 12:10	WG2205376
Methyl tert-butyl ether	ND		0.00190	1.19	01/11/2024 12:10	WG2205376
Naphthalene	ND		0.0238	1.19	01/11/2024 12:10	WG2205376
n-Propylbenzene	ND		0.00951	1.19	01/11/2024 12:10	WG2205376
Styrene	ND		0.0238	1.19	01/11/2024 12:10	WG2205376
1,1,1,2-Tetrachloroethane	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
1,1,2,2-Tetrachloroethane	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
Tetrachloroethene	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
Toluene	ND		0.00951	1.19	01/11/2024 12:10	WG2205376
1,2,3-Trichlorobenzene	ND		0.0238	1.19	01/11/2024 12:10	WG2205376
1,2,4-Trichlorobenzene	ND		0.0238	1.19	01/11/2024 12:10	WG2205376
1,1,1-Trichloroethane	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
1,1,2-Trichloroethane	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
Trichloroethene	ND		0.00190	1.19	01/11/2024 12:10	WG2205376
Trichlorofluoromethane	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
1,2,3-Trichloropropane	ND		0.0238	1.19	01/11/2024 12:10	WG2205376
1,2,4-Trimethylbenzene	ND		0.00951	1.19	01/11/2024 12:10	WG2205376
1,3,5-Trimethylbenzene	ND		0.00951	1.19	01/11/2024 12:10	WG2205376
Vinyl chloride	ND		0.00475	1.19	01/11/2024 12:10	WG2205376
Xylenes, Total	ND		0.0124	1.19	01/11/2024 12:10	WG2205376
(S) Toluene-d8	98.3		75.0-131		01/11/2024 12:10	WG2205376
(S) 4-Bromofluorobenzene	111		67.0-138		01/11/2024 12:10	WG2205376
(S) 1,2-Dichloroethane-d4	88.4		70.0-130		01/11/2024 12:10	WG2205376

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0441	1	01/08/2024 18:15	WG2202493
Acenaphthylene	ND		0.0441	1	01/08/2024 18:15	WG2202493
Anthracene	ND		0.0441	1	01/08/2024 18:15	WG2202493
Benzidine	ND		2.21	1	01/08/2024 18:15	WG2202493
Benzo(a)anthracene	ND		0.0441	1	01/08/2024 18:15	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0441	1	01/08/2024 18:15	WG2202493
Benzo(k)fluoranthene	ND		0.0441	1	01/08/2024 18:15	WG2202493
Benzo(g,h,i)perylene	ND		0.0441	1	01/08/2024 18:15	WG2202493
Benzo(a)pyrene	ND		0.0441	1	01/08/2024 18:15	WG2202493
Bis(2-chloroethoxy)methane	ND		0.441	1	01/08/2024 18:15	WG2202493
Bis(2-chloroethyl)ether	ND		0.441	1	01/08/2024 18:15	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.441	1	01/08/2024 18:15	WG2202493
4-Bromophenyl-phenylether	ND		0.441	1	01/08/2024 18:15	WG2202493
2-Chloronaphthalene	ND		0.0441	1	01/08/2024 18:15	WG2202493
4-Chlorophenyl-phenylether	ND		0.441	1	01/08/2024 18:15	WG2202493
Chrysene	ND		0.0441	1	01/08/2024 18:15	WG2202493
Dibenz(a,h)anthracene	ND		0.0441	1	01/08/2024 18:15	WG2202493
3,3-Dichlorobenzidine	ND		0.441	1	01/08/2024 18:15	WG2202493
2,4-Dinitrotoluene	ND		0.441	1	01/08/2024 18:15	WG2202493
2,6-Dinitrotoluene	ND		0.441	1	01/08/2024 18:15	WG2202493
Fluoranthene	ND		0.0441	1	01/08/2024 18:15	WG2202493
Fluorene	ND		0.0441	1	01/08/2024 18:15	WG2202493
Hexachlorobenzene	ND		0.441	1	01/08/2024 18:15	WG2202493
Hexachloro-1,3-butadiene	ND		0.441	1	01/08/2024 18:15	WG2202493
Hexachlorocyclopentadiene	ND		0.441	1	01/08/2024 18:15	WG2202493
Hexachloroethane	ND		0.441	1	01/08/2024 18:15	WG2202493
Indeno(1,2,3-cd)pyrene	ND		0.0441	1	01/08/2024 18:15	WG2202493
Isophorone	ND		0.441	1	01/08/2024 18:15	WG2202493
Naphthalene	ND		0.0441	1	01/08/2024 18:15	WG2202493
Nitrobenzene	ND		0.441	1	01/08/2024 18:15	WG2202493
n-Nitrosodimethylamine	ND		0.441	1	01/08/2024 18:15	WG2202493
n-Nitrosodiphenylamine	ND		0.441	1	01/08/2024 18:15	WG2202493
n-Nitrosodi-n-propylamine	ND		0.441	1	01/08/2024 18:15	WG2202493
Phenanthrene	ND		0.0441	1	01/08/2024 18:15	WG2202493
Benzylbutyl phthalate	ND		0.441	1	01/08/2024 18:15	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.441	1	01/08/2024 18:15	WG2202493
Di-n-butyl phthalate	ND		0.441	1	01/08/2024 18:15	WG2202493
Diethyl phthalate	ND		0.441	1	01/08/2024 18:15	WG2202493
Dimethyl phthalate	ND		0.441	1	01/08/2024 18:15	WG2202493
Di-n-octyl phthalate	ND		0.441	1	01/08/2024 18:15	WG2202493
Pyrene	ND		0.0441	1	01/08/2024 18:15	WG2202493
1,2,4-Trichlorobenzene	ND		0.441	1	01/08/2024 18:15	WG2202493
4-Chloro-3-methylphenol	ND		0.441	1	01/08/2024 18:15	WG2202493
2-Chlorophenol	ND		0.441	1	01/08/2024 18:15	WG2202493
2,4-Dichlorophenol	ND		0.441	1	01/08/2024 18:15	WG2202493
2,4-Dimethylphenol	ND		0.441	1	01/08/2024 18:15	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.441	1	01/08/2024 18:15	WG2202493
2,4-Dinitrophenol	ND		0.441	1	01/08/2024 18:15	WG2202493
2-Nitrophenol	ND		0.441	1	01/08/2024 18:15	WG2202493
4-Nitrophenol	ND		0.441	1	01/08/2024 18:15	WG2202493
Pentachlorophenol	ND		0.441	1	01/08/2024 18:15	WG2202493
Phenol	ND		0.441	1	01/08/2024 18:15	WG2202493
2,4,6-Trichlorophenol	ND		0.441	1	01/08/2024 18:15	WG2202493
(S) 2-Fluorophenol	40.7		12.0-120		01/08/2024 18:15	WG2202493
(S) Phenol-d5	40.5		10.0-120		01/08/2024 18:15	WG2202493
(S) Nitrobenzene-d5	38.4		10.0-122		01/08/2024 18:15	WG2202493
(S) 2-Fluorobiphenyl	42.7		15.0-120		01/08/2024 18:15	WG2202493
(S) 2,4,6-Tribromophenol	44.8		10.0-127		01/08/2024 18:15	WG2202493
(S) p-Terphenyl-d14	48.2		10.0-120		01/08/2024 18:15	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	77.4		1	01/08/2024 12:16	WG2202798

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.29	1	01/09/2024 03:16	WG2202753

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	ND		0.0517	1	01/06/2024 22:15	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		3.88	5	01/24/2024 19:00	WG2202529
Arsenic	2.92		1.29	5	01/24/2024 19:00	WG2202529
Barium	92.6		3.23	5	01/24/2024 19:00	WG2202529
Beryllium	ND		3.23	5	01/24/2024 19:00	WG2202529
Cadmium	ND		1.29	5	01/24/2024 19:00	WG2202529
Chromium	27.2		6.46	5	01/24/2024 19:00	WG2202529
Cobalt	11.8		1.29	5	01/24/2024 19:00	WG2202529
Copper	17.4		6.46	5	01/24/2024 19:00	WG2202529
Lead	24.3		2.59	5	01/24/2024 19:00	WG2202529
Manganese	624		3.23	5	01/24/2024 19:00	WG2202529
Nickel	20.1		3.23	5	01/24/2024 19:00	WG2202529
Selenium	ND		3.23	5	01/24/2024 19:00	WG2202529
Silver	ND		0.646	5	01/24/2024 19:00	WG2202529
Thallium	ND		2.59	5	01/24/2024 19:00	WG2202529
Vanadium	43.4		3.23	5	01/24/2024 19:00	WG2202529
Zinc	34.7		32.3	5	01/24/2024 19:00	WG2202529

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	0.113		0.104	1.39	01/11/2024 12:29	WG2205376
Acrylonitrile	ND		0.0262	1.39	01/11/2024 12:29	WG2205376
Benzene	ND		0.00209	1.39	01/11/2024 12:29	WG2205376
Bromobenzene	ND		0.0262	1.39	01/11/2024 12:29	WG2205376
Bromodichloromethane	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
Bromoform	ND		0.0523	1.39	01/11/2024 12:29	WG2205376
Bromomethane	ND	C3	0.0262	1.39	01/11/2024 12:29	WG2205376
n-Butylbenzene	ND		0.0262	1.39	01/11/2024 12:29	WG2205376
sec-Butylbenzene	ND		0.0262	1.39	01/11/2024 12:29	WG2205376
tert-Butylbenzene	ND		0.0104	1.39	01/11/2024 12:29	WG2205376
Carbon tetrachloride	ND		0.0104	1.39	01/11/2024 12:29	WG2205376
Chlorobenzene	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
Chlorodibromomethane	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
Chloroethane	ND	C3	0.0104	1.39	01/11/2024 12:29	WG2205376
Chloroform	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
Chloromethane	ND		0.0262	1.39	01/11/2024 12:29	WG2205376
2-Chlorotoluene	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
4-Chlorotoluene	ND		0.0104	1.39	01/11/2024 12:29	WG2205376
1,2-Dibromo-3-Chloropropane	ND		0.0523	1.39	01/11/2024 12:29	WG2205376

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
Dibromomethane	ND		0.0104	1.39	01/11/2024 12:29	WG2205376
1,2-Dichlorobenzene	ND		0.0104	1.39	01/11/2024 12:29	WG2205376
1,3-Dichlorobenzene	ND		0.0104	1.39	01/11/2024 12:29	WG2205376
1,4-Dichlorobenzene	ND		0.0104	1.39	01/11/2024 12:29	WG2205376
Dichlorodifluoromethane	ND		0.0104	1.39	01/11/2024 12:29	WG2205376
1,1-Dichloroethane	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
1,2-Dichloroethane	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
1,1-Dichloroethene	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
cis-1,2-Dichloroethene	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
trans-1,2-Dichloroethene	ND		0.0104	1.39	01/11/2024 12:29	WG2205376
1,2-Dichloropropane	ND		0.0104	1.39	01/11/2024 12:29	WG2205376
1,1-Dichloropropene	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
1,3-Dichloropropane	ND		0.0104	1.39	01/11/2024 12:29	WG2205376
cis-1,3-Dichloropropene	ND	J4	0.00523	1.39	01/11/2024 12:29	WG2205376
trans-1,3-Dichloropropene	ND		0.0104	1.39	01/11/2024 12:29	WG2205376
2,2-Dichloropropane	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
Di-isopropyl ether	ND		0.00209	1.39	01/11/2024 12:29	WG2205376
Ethylbenzene	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
Hexachloro-1,3-butadiene	ND		0.0523	1.39	01/11/2024 12:29	WG2205376
Isopropylbenzene	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
p-Isopropyltoluene	0.0349	C5	0.0104	1.39	01/11/2024 12:29	WG2205376
2-Butanone (MEK)	ND		0.209	1.39	01/11/2024 12:29	WG2205376
Methylene Chloride	ND		0.0523	1.39	01/11/2024 12:29	WG2205376
4-Methyl-2-pentanone (MIBK)	ND		0.0523	1.39	01/11/2024 12:29	WG2205376
Methyl tert-butyl ether	ND		0.00209	1.39	01/11/2024 12:29	WG2205376
Naphthalene	ND		0.0262	1.39	01/11/2024 12:29	WG2205376
n-Propylbenzene	ND		0.0104	1.39	01/11/2024 12:29	WG2205376
Styrene	ND		0.0262	1.39	01/11/2024 12:29	WG2205376
1,1,1,2-Tetrachloroethane	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
1,1,2,2-Tetrachloroethane	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
Tetrachloroethene	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
Toluene	ND		0.0104	1.39	01/11/2024 12:29	WG2205376
1,2,3-Trichlorobenzene	ND		0.0262	1.39	01/11/2024 12:29	WG2205376
1,2,4-Trichlorobenzene	ND		0.0262	1.39	01/11/2024 12:29	WG2205376
1,1,1-Trichloroethane	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
1,1,2-Trichloroethane	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
Trichloroethene	ND		0.00209	1.39	01/11/2024 12:29	WG2205376
Trichlorofluoromethane	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
1,2,3-Trichloropropane	ND		0.0262	1.39	01/11/2024 12:29	WG2205376
1,2,4-Trimethylbenzene	ND		0.0104	1.39	01/11/2024 12:29	WG2205376
1,3,5-Trimethylbenzene	ND		0.0104	1.39	01/11/2024 12:29	WG2205376
Vinyl chloride	ND		0.00523	1.39	01/11/2024 12:29	WG2205376
Xylenes, Total	ND		0.0136	1.39	01/11/2024 12:29	WG2205376
(S) Toluene-d8	98.6		75.0-131		01/11/2024 12:29	WG2205376
(S) 4-Bromofluorobenzene	110		67.0-138		01/11/2024 12:29	WG2205376
(S) 1,2-Dichloroethane-d4	87.6		70.0-130		01/11/2024 12:29	WG2205376

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0430	1	01/08/2024 18:35	WG2202493
Acenaphthylene	ND		0.0430	1	01/08/2024 18:35	WG2202493
Anthracene	ND		0.0430	1	01/08/2024 18:35	WG2202493
Benzidine	ND		2.16	1	01/08/2024 18:35	WG2202493
Benzo(a)anthracene	ND		0.0430	1	01/08/2024 18:35	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0430	1	01/08/2024 18:35	WG2202493
Benzo(k)fluoranthene	ND		0.0430	1	01/08/2024 18:35	WG2202493
Benzo(g,h,i)perylene	ND		0.0430	1	01/08/2024 18:35	WG2202493
Benzo(a)pyrene	ND		0.0430	1	01/08/2024 18:35	WG2202493
Bis(2-chloroethoxy)methane	ND		0.430	1	01/08/2024 18:35	WG2202493
Bis(2-chloroethyl)ether	ND		0.430	1	01/08/2024 18:35	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.430	1	01/08/2024 18:35	WG2202493
4-Bromophenyl-phenylether	ND		0.430	1	01/08/2024 18:35	WG2202493
2-Chloronaphthalene	ND		0.0430	1	01/08/2024 18:35	WG2202493
4-Chlorophenyl-phenylether	ND		0.430	1	01/08/2024 18:35	WG2202493
Chrysene	ND		0.0430	1	01/08/2024 18:35	WG2202493
Dibenz(a,h)anthracene	ND		0.0430	1	01/08/2024 18:35	WG2202493
3,3-Dichlorobenzidine	ND		0.430	1	01/08/2024 18:35	WG2202493
2,4-Dinitrotoluene	ND		0.430	1	01/08/2024 18:35	WG2202493
2,6-Dinitrotoluene	ND		0.430	1	01/08/2024 18:35	WG2202493
Fluoranthene	0.0666		0.0430	1	01/08/2024 18:35	WG2202493
Fluorene	ND		0.0430	1	01/08/2024 18:35	WG2202493
Hexachlorobenzene	ND		0.430	1	01/08/2024 18:35	WG2202493
Hexachloro-1,3-butadiene	ND		0.430	1	01/08/2024 18:35	WG2202493
Hexachlorocyclopentadiene	ND		0.430	1	01/08/2024 18:35	WG2202493
Hexachloroethane	ND		0.430	1	01/08/2024 18:35	WG2202493
Indeno(1,2,3-cd)pyrene	ND		0.0430	1	01/08/2024 18:35	WG2202493
Isophorone	ND		0.430	1	01/08/2024 18:35	WG2202493
Naphthalene	ND		0.0430	1	01/08/2024 18:35	WG2202493
Nitrobenzene	ND		0.430	1	01/08/2024 18:35	WG2202493
n-Nitrosodimethylamine	ND		0.430	1	01/08/2024 18:35	WG2202493
n-Nitrosodiphenylamine	ND		0.430	1	01/08/2024 18:35	WG2202493
n-Nitrosodi-n-propylamine	ND		0.430	1	01/08/2024 18:35	WG2202493
Phenanthrene	ND		0.0430	1	01/08/2024 18:35	WG2202493
Benzylbutyl phthalate	ND		0.430	1	01/08/2024 18:35	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.430	1	01/08/2024 18:35	WG2202493
Di-n-butyl phthalate	ND		0.430	1	01/08/2024 18:35	WG2202493
Diethyl phthalate	ND		0.430	1	01/08/2024 18:35	WG2202493
Dimethyl phthalate	ND		0.430	1	01/08/2024 18:35	WG2202493
Di-n-octyl phthalate	ND		0.430	1	01/08/2024 18:35	WG2202493
Pyrene	0.0456		0.0430	1	01/08/2024 18:35	WG2202493
1,2,4-Trichlorobenzene	ND		0.430	1	01/08/2024 18:35	WG2202493
4-Chloro-3-methylphenol	ND		0.430	1	01/08/2024 18:35	WG2202493
2-Chlorophenol	ND		0.430	1	01/08/2024 18:35	WG2202493
2,4-Dichlorophenol	ND		0.430	1	01/08/2024 18:35	WG2202493
2,4-Dimethylphenol	ND		0.430	1	01/08/2024 18:35	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.430	1	01/08/2024 18:35	WG2202493
2,4-Dinitrophenol	ND		0.430	1	01/08/2024 18:35	WG2202493
2-Nitrophenol	ND		0.430	1	01/08/2024 18:35	WG2202493
4-Nitrophenol	ND		0.430	1	01/08/2024 18:35	WG2202493
Pentachlorophenol	ND		0.430	1	01/08/2024 18:35	WG2202493
Phenol	ND		0.430	1	01/08/2024 18:35	WG2202493
2,4,6-Trichlorophenol	ND		0.430	1	01/08/2024 18:35	WG2202493
(S) 2-Fluorophenol	45.4		12.0-120		01/08/2024 18:35	WG2202493
(S) Phenol-d5	43.4		10.0-120		01/08/2024 18:35	WG2202493
(S) Nitrobenzene-d5	38.5		10.0-122		01/08/2024 18:35	WG2202493
(S) 2-Fluorobiphenyl	43.7		15.0-120		01/08/2024 18:35	WG2202493
(S) 2,4,6-Tribromophenol	49.4		10.0-127		01/08/2024 18:35	WG2202493
(S) p-Terphenyl-d14	50.8		10.0-120		01/08/2024 18:35	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.4		1	01/08/2024 12:16	WG2202798

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.20	1	01/09/2024 08:14	WG2202754

Mercury by Method 7471B

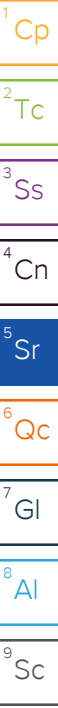
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0480	1	01/06/2024 22:17	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.60	5	01/24/2024 19:03	WG2202529
Arsenic	2.58		1.20	5	01/24/2024 19:03	WG2202529
Barium	99.0		3.00	5	01/24/2024 19:03	WG2202529
Beryllium	ND		3.00	5	01/24/2024 19:03	WG2202529
Cadmium	ND		1.20	5	01/24/2024 19:03	WG2202529
Chromium	48.4		6.00	5	01/24/2024 19:03	WG2202529
Cobalt	12.5		1.20	5	01/24/2024 19:03	WG2202529
Copper	17.0		6.00	5	01/24/2024 19:03	WG2202529
Lead	20.4		2.40	5	01/24/2024 19:03	WG2202529
Manganese	550		3.00	5	01/24/2024 19:03	WG2202529
Nickel	17.4		3.00	5	01/24/2024 19:03	WG2202529
Selenium	ND		3.00	5	01/24/2024 19:03	WG2202529
Silver	ND		0.600	5	01/24/2024 19:03	WG2202529
Thallium	ND		2.40	5	01/24/2024 19:03	WG2202529
Vanadium	46.9		3.00	5	01/24/2024 19:03	WG2202529
Zinc	38.8		30.0	5	01/24/2024 19:03	WG2202529

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0719	1	01/11/2024 12:48	WG2205376
Acrylonitrile	ND		0.0180	1	01/11/2024 12:48	WG2205376
Benzene	ND		0.00144	1	01/11/2024 12:48	WG2205376
Bromobenzene	ND		0.0180	1	01/11/2024 12:48	WG2205376
Bromodichloromethane	ND		0.00360	1	01/11/2024 12:48	WG2205376
Bromoform	ND		0.0360	1	01/11/2024 12:48	WG2205376
Bromomethane	ND	C3	0.0180	1	01/11/2024 12:48	WG2205376
n-Butylbenzene	ND		0.0180	1	01/11/2024 12:48	WG2205376
sec-Butylbenzene	ND		0.0180	1	01/11/2024 12:48	WG2205376
tert-Butylbenzene	ND		0.00719	1	01/11/2024 12:48	WG2205376
Carbon tetrachloride	ND		0.00719	1	01/11/2024 12:48	WG2205376
Chlorobenzene	ND		0.00360	1	01/11/2024 12:48	WG2205376
Chlorodibromomethane	ND		0.00360	1	01/11/2024 12:48	WG2205376
Chloroethane	ND	C3	0.00719	1	01/11/2024 12:48	WG2205376
Chloroform	ND		0.00360	1	01/11/2024 12:48	WG2205376
Chloromethane	ND		0.0180	1	01/11/2024 12:48	WG2205376
2-Chlorotoluene	ND		0.00360	1	01/11/2024 12:48	WG2205376
4-Chlorotoluene	ND		0.00719	1	01/11/2024 12:48	WG2205376
1,2-Dibromo-3-Chloropropane	ND		0.0360	1	01/11/2024 12:48	WG2205376



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00360	1	01/11/2024 12:48	WG2205376
Dibromomethane	ND		0.00719	1	01/11/2024 12:48	WG2205376
1,2-Dichlorobenzene	ND		0.00719	1	01/11/2024 12:48	WG2205376
1,3-Dichlorobenzene	ND		0.00719	1	01/11/2024 12:48	WG2205376
1,4-Dichlorobenzene	ND		0.00719	1	01/11/2024 12:48	WG2205376
Dichlorodifluoromethane	ND		0.00719	1	01/11/2024 12:48	WG2205376
1,1-Dichloroethane	ND		0.00360	1	01/11/2024 12:48	WG2205376
1,2-Dichloroethane	ND		0.00360	1	01/11/2024 12:48	WG2205376
1,1-Dichloroethene	ND		0.00360	1	01/11/2024 12:48	WG2205376
cis-1,2-Dichloroethene	ND		0.00360	1	01/11/2024 12:48	WG2205376
trans-1,2-Dichloroethene	ND		0.00719	1	01/11/2024 12:48	WG2205376
1,2-Dichloropropane	ND		0.00719	1	01/11/2024 12:48	WG2205376
1,1-Dichloropropene	ND		0.00360	1	01/11/2024 12:48	WG2205376
1,3-Dichloropropane	ND		0.00719	1	01/11/2024 12:48	WG2205376
cis-1,3-Dichloropropene	ND	J4	0.00360	1	01/11/2024 12:48	WG2205376
trans-1,3-Dichloropropene	ND		0.00719	1	01/11/2024 12:48	WG2205376
2,2-Dichloropropane	ND		0.00360	1	01/11/2024 12:48	WG2205376
Di-isopropyl ether	ND		0.00144	1	01/11/2024 12:48	WG2205376
Ethylbenzene	ND		0.00360	1	01/11/2024 12:48	WG2205376
Hexachloro-1,3-butadiene	ND		0.0360	1	01/11/2024 12:48	WG2205376
Isopropylbenzene	ND		0.00360	1	01/11/2024 12:48	WG2205376
p-Isopropyltoluene	ND		0.00719	1	01/11/2024 12:48	WG2205376
2-Butanone (MEK)	ND		0.144	1	01/11/2024 12:48	WG2205376
Methylene Chloride	ND		0.0360	1	01/11/2024 12:48	WG2205376
4-Methyl-2-pentanone (MIBK)	ND		0.0360	1	01/11/2024 12:48	WG2205376
Methyl tert-butyl ether	ND		0.00144	1	01/11/2024 12:48	WG2205376
Naphthalene	ND		0.0180	1	01/11/2024 12:48	WG2205376
n-Propylbenzene	ND		0.00719	1	01/11/2024 12:48	WG2205376
Styrene	ND		0.0180	1	01/11/2024 12:48	WG2205376
1,1,1,2-Tetrachloroethane	ND		0.00360	1	01/11/2024 12:48	WG2205376
1,1,2,2-Tetrachloroethane	ND		0.00360	1	01/11/2024 12:48	WG2205376
Tetrachloroethene	ND		0.00360	1	01/11/2024 12:48	WG2205376
Toluene	ND		0.00719	1	01/11/2024 12:48	WG2205376
1,2,3-Trichlorobenzene	ND		0.0180	1	01/11/2024 12:48	WG2205376
1,2,4-Trichlorobenzene	ND		0.0180	1	01/11/2024 12:48	WG2205376
1,1,1-Trichloroethane	ND		0.00360	1	01/11/2024 12:48	WG2205376
1,1,2-Trichloroethane	ND		0.00360	1	01/11/2024 12:48	WG2205376
Trichloroethene	ND		0.00144	1	01/11/2024 12:48	WG2205376
Trichlorofluoromethane	ND		0.00360	1	01/11/2024 12:48	WG2205376
1,2,3-Trichloropropane	ND		0.0180	1	01/11/2024 12:48	WG2205376
1,2,4-Trimethylbenzene	ND		0.00719	1	01/11/2024 12:48	WG2205376
1,3,5-Trimethylbenzene	ND		0.00719	1	01/11/2024 12:48	WG2205376
Vinyl chloride	ND		0.00360	1	01/11/2024 12:48	WG2205376
Xylenes, Total	ND		0.00935	1	01/11/2024 12:48	WG2205376
(S) Toluene-d8	101		75.0-131		01/11/2024 12:48	WG2205376
(S) 4-Bromofluorobenzene	110		67.0-138		01/11/2024 12:48	WG2205376
(S) 1,2-Dichloroethane-d4	84.4		70.0-130		01/11/2024 12:48	WG2205376

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0399	1	01/08/2024 18:55	WG2202493
Acenaphthylene	ND		0.0399	1	01/08/2024 18:55	WG2202493
Anthracene	ND		0.0399	1	01/08/2024 18:55	WG2202493
Benzidine	ND		2.00	1	01/08/2024 18:55	WG2202493
Benzo(a)anthracene	0.0446		0.0399	1	01/08/2024 18:55	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0651		0.0399	1	01/08/2024 18:55	WG2202493
Benzo(k)fluoranthene	ND		0.0399	1	01/08/2024 18:55	WG2202493
Benzo(g,h,i)perylene	ND		0.0399	1	01/08/2024 18:55	WG2202493
Benzo(a)pyrene	0.0494		0.0399	1	01/08/2024 18:55	WG2202493
Bis(2-chloroethoxy)methane	ND		0.399	1	01/08/2024 18:55	WG2202493
Bis(2-chloroethyl)ether	ND		0.399	1	01/08/2024 18:55	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.399	1	01/08/2024 18:55	WG2202493
4-Bromophenyl-phenylether	ND		0.399	1	01/08/2024 18:55	WG2202493
2-Chloronaphthalene	ND		0.0399	1	01/08/2024 18:55	WG2202493
4-Chlorophenyl-phenylether	ND		0.399	1	01/08/2024 18:55	WG2202493
Chrysene	ND		0.0399	1	01/08/2024 18:55	WG2202493
Dibenz(a,h)anthracene	ND		0.0399	1	01/08/2024 18:55	WG2202493
3,3-Dichlorobenzidine	ND		0.399	1	01/08/2024 18:55	WG2202493
2,4-Dinitrotoluene	ND		0.399	1	01/08/2024 18:55	WG2202493
2,6-Dinitrotoluene	ND		0.399	1	01/08/2024 18:55	WG2202493
Fluoranthene	0.130		0.0399	1	01/08/2024 18:55	WG2202493
Fluorene	ND		0.0399	1	01/08/2024 18:55	WG2202493
Hexachlorobenzene	ND		0.399	1	01/08/2024 18:55	WG2202493
Hexachloro-1,3-butadiene	ND		0.399	1	01/08/2024 18:55	WG2202493
Hexachlorocyclopentadiene	ND		0.399	1	01/08/2024 18:55	WG2202493
Hexachloroethane	ND		0.399	1	01/08/2024 18:55	WG2202493
Indeno(1,2,3-cd)pyrene	ND		0.0399	1	01/08/2024 18:55	WG2202493
Isophorone	ND		0.399	1	01/08/2024 18:55	WG2202493
Naphthalene	ND		0.0399	1	01/08/2024 18:55	WG2202493
Nitrobenzene	ND		0.399	1	01/08/2024 18:55	WG2202493
n-Nitrosodimethylamine	ND		0.399	1	01/08/2024 18:55	WG2202493
n-Nitrosodiphenylamine	ND		0.399	1	01/08/2024 18:55	WG2202493
n-Nitrosodi-n-propylamine	ND		0.399	1	01/08/2024 18:55	WG2202493
Phenanthrene	0.0475		0.0399	1	01/08/2024 18:55	WG2202493
Benzylbutyl phthalate	ND		0.399	1	01/08/2024 18:55	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.399	1	01/08/2024 18:55	WG2202493
Di-n-butyl phthalate	ND		0.399	1	01/08/2024 18:55	WG2202493
Diethyl phthalate	ND		0.399	1	01/08/2024 18:55	WG2202493
Dimethyl phthalate	ND		0.399	1	01/08/2024 18:55	WG2202493
Di-n-octyl phthalate	ND		0.399	1	01/08/2024 18:55	WG2202493
Pyrene	0.0945		0.0399	1	01/08/2024 18:55	WG2202493
1,2,4-Trichlorobenzene	ND		0.399	1	01/08/2024 18:55	WG2202493
4-Chloro-3-methylphenol	ND		0.399	1	01/08/2024 18:55	WG2202493
2-Chlorophenol	ND		0.399	1	01/08/2024 18:55	WG2202493
2,4-Dichlorophenol	ND		0.399	1	01/08/2024 18:55	WG2202493
2,4-Dimethylphenol	ND		0.399	1	01/08/2024 18:55	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.399	1	01/08/2024 18:55	WG2202493
2,4-Dinitrophenol	ND		0.399	1	01/08/2024 18:55	WG2202493
2-Nitrophenol	ND		0.399	1	01/08/2024 18:55	WG2202493
4-Nitrophenol	ND		0.399	1	01/08/2024 18:55	WG2202493
Pentachlorophenol	ND		0.399	1	01/08/2024 18:55	WG2202493
Phenol	ND		0.399	1	01/08/2024 18:55	WG2202493
2,4,6-Trichlorophenol	ND		0.399	1	01/08/2024 18:55	WG2202493
(S) 2-Fluorophenol	56.8		12.0-120		01/08/2024 18:55	WG2202493
(S) Phenol-d5	54.6		10.0-120		01/08/2024 18:55	WG2202493
(S) Nitrobenzene-d5	46.7		10.0-122		01/08/2024 18:55	WG2202493
(S) 2-Fluorobiphenyl	52.4		15.0-120		01/08/2024 18:55	WG2202493
(S) 2,4,6-Tribromophenol	57.0		10.0-127		01/08/2024 18:55	WG2202493
(S) p-Terphenyl-d14	58.4		10.0-120		01/08/2024 18:55	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.8		1	01/08/2024 12:16	WG2202798

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND	P1	1.19	1	01/09/2024 08:20	WG2202754

Mercury by Method 7471B

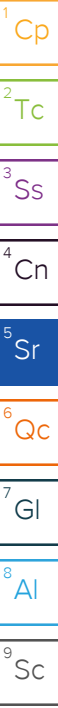
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0477	1	01/06/2024 22:25	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	O1	3.58	5	01/24/2024 10:41	WG2202530
Arsenic	2.45		1.19	5	01/24/2024 10:41	WG2202530
Barium	84.0		2.98	5	01/24/2024 10:41	WG2202530
Beryllium	ND		2.98	5	01/24/2024 10:41	WG2202530
Cadmium	ND		1.19	5	01/24/2024 10:41	WG2202530
Chromium	29.9	J3 J5	5.97	5	01/24/2024 10:41	WG2202530
Cobalt	13.5		1.19	5	01/24/2024 10:41	WG2202530
Copper	16.6		5.97	5	01/24/2024 10:41	WG2202530
Lead	26.4		2.39	5	01/24/2024 10:41	WG2202530
Manganese	627	V	2.98	5	01/24/2024 10:41	WG2202530
Nickel	16.7		2.98	5	01/24/2024 10:41	WG2202530
Selenium	ND		2.98	5	01/24/2024 10:41	WG2202530
Silver	ND		0.597	5	01/24/2024 10:41	WG2202530
Thallium	ND		2.39	5	01/24/2024 10:41	WG2202530
Vanadium	36.8		2.98	5	01/24/2024 10:41	WG2202530
Zinc	46.8		29.8	5	01/24/2024 10:41	WG2202530

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0707	1	01/11/2024 13:07	WG2205376
Acrylonitrile	ND		0.0177	1	01/11/2024 13:07	WG2205376
Benzene	ND		0.00141	1	01/11/2024 13:07	WG2205376
Bromobenzene	ND		0.0177	1	01/11/2024 13:07	WG2205376
Bromodichloromethane	ND		0.00353	1	01/11/2024 13:07	WG2205376
Bromoform	ND		0.0353	1	01/11/2024 13:07	WG2205376
Bromomethane	ND	C3	0.0177	1	01/11/2024 13:07	WG2205376
n-Butylbenzene	ND		0.0177	1	01/11/2024 13:07	WG2205376
sec-Butylbenzene	ND		0.0177	1	01/11/2024 13:07	WG2205376
tert-Butylbenzene	ND		0.00707	1	01/11/2024 13:07	WG2205376
Carbon tetrachloride	ND		0.00707	1	01/11/2024 13:07	WG2205376
Chlorobenzene	ND		0.00353	1	01/11/2024 13:07	WG2205376
Chlorodibromomethane	ND		0.00353	1	01/11/2024 13:07	WG2205376
Chloroethane	ND	C3	0.00707	1	01/11/2024 13:07	WG2205376
Chloroform	ND		0.00353	1	01/11/2024 13:07	WG2205376
Chloromethane	ND		0.0177	1	01/11/2024 13:07	WG2205376
2-Chlorotoluene	ND		0.00353	1	01/11/2024 13:07	WG2205376
4-Chlorotoluene	ND		0.00707	1	01/11/2024 13:07	WG2205376
1,2-Dibromo-3-Chloropropane	ND		0.0353	1	01/11/2024 13:07	WG2205376



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00353	1	01/11/2024 13:07	WG2205376
Dibromomethane	ND		0.00707	1	01/11/2024 13:07	WG2205376
1,2-Dichlorobenzene	ND		0.00707	1	01/11/2024 13:07	WG2205376
1,3-Dichlorobenzene	ND		0.00707	1	01/11/2024 13:07	WG2205376
1,4-Dichlorobenzene	ND		0.00707	1	01/11/2024 13:07	WG2205376
Dichlorodifluoromethane	ND		0.00707	1	01/11/2024 13:07	WG2205376
1,1-Dichloroethane	ND		0.00353	1	01/11/2024 13:07	WG2205376
1,2-Dichloroethane	ND		0.00353	1	01/11/2024 13:07	WG2205376
1,1-Dichloroethene	ND		0.00353	1	01/11/2024 13:07	WG2205376
cis-1,2-Dichloroethene	ND		0.00353	1	01/11/2024 13:07	WG2205376
trans-1,2-Dichloroethene	ND		0.00707	1	01/11/2024 13:07	WG2205376
1,2-Dichloropropane	ND		0.00707	1	01/11/2024 13:07	WG2205376
1,1-Dichloropropene	ND		0.00353	1	01/11/2024 13:07	WG2205376
1,3-Dichloropropane	ND		0.00707	1	01/11/2024 13:07	WG2205376
cis-1,3-Dichloropropene	ND	J4	0.00353	1	01/11/2024 13:07	WG2205376
trans-1,3-Dichloropropene	ND		0.00707	1	01/11/2024 13:07	WG2205376
2,2-Dichloropropane	ND		0.00353	1	01/11/2024 13:07	WG2205376
Di-isopropyl ether	ND		0.00141	1	01/11/2024 13:07	WG2205376
Ethylbenzene	ND		0.00353	1	01/11/2024 13:07	WG2205376
Hexachloro-1,3-butadiene	ND		0.0353	1	01/11/2024 13:07	WG2205376
Isopropylbenzene	ND		0.00353	1	01/11/2024 13:07	WG2205376
p-Isopropyltoluene	0.0192	C5	0.00707	1	01/11/2024 13:07	WG2205376
2-Butanone (MEK)	ND		0.141	1	01/11/2024 13:07	WG2205376
Methylene Chloride	ND		0.0353	1	01/11/2024 13:07	WG2205376
4-Methyl-2-pentanone (MIBK)	ND		0.0353	1	01/11/2024 13:07	WG2205376
Methyl tert-butyl ether	ND		0.00141	1	01/11/2024 13:07	WG2205376
Naphthalene	ND		0.0177	1	01/11/2024 13:07	WG2205376
n-Propylbenzene	ND		0.00707	1	01/11/2024 13:07	WG2205376
Styrene	ND		0.0177	1	01/11/2024 13:07	WG2205376
1,1,1,2-Tetrachloroethane	ND		0.00353	1	01/11/2024 13:07	WG2205376
1,1,2,2-Tetrachloroethane	ND		0.00353	1	01/11/2024 13:07	WG2205376
Tetrachloroethene	ND		0.00353	1	01/11/2024 13:07	WG2205376
Toluene	ND		0.00707	1	01/11/2024 13:07	WG2205376
1,2,3-Trichlorobenzene	ND		0.0177	1	01/11/2024 13:07	WG2205376
1,2,4-Trichlorobenzene	ND		0.0177	1	01/11/2024 13:07	WG2205376
1,1,1-Trichloroethane	ND		0.00353	1	01/11/2024 13:07	WG2205376
1,1,2-Trichloroethane	ND		0.00353	1	01/11/2024 13:07	WG2205376
Trichloroethene	ND		0.00141	1	01/11/2024 13:07	WG2205376
Trichlorofluoromethane	ND		0.00353	1	01/11/2024 13:07	WG2205376
1,2,3-Trichloropropane	ND		0.0177	1	01/11/2024 13:07	WG2205376
1,2,4-Trimethylbenzene	ND		0.00707	1	01/11/2024 13:07	WG2205376
1,3,5-Trimethylbenzene	ND		0.00707	1	01/11/2024 13:07	WG2205376
Vinyl chloride	ND		0.00353	1	01/11/2024 13:07	WG2205376
Xylenes, Total	ND		0.00919	1	01/11/2024 13:07	WG2205376
(S) Toluene-d8	100		75.0-131		01/11/2024 13:07	WG2205376
(S) 4-Bromofluorobenzene	111		67.0-138		01/11/2024 13:07	WG2205376
(S) 1,2-Dichloroethane-d4	84.9		70.0-130		01/11/2024 13:07	WG2205376

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0397	1	01/08/2024 19:16	WG2202493
Acenaphthylene	ND		0.0397	1	01/08/2024 19:16	WG2202493
Anthracene	ND		0.0397	1	01/08/2024 19:16	WG2202493
Benzdine	ND	J6	1.99	1	01/08/2024 19:16	WG2202493
Benzo(a)anthracene	0.161		0.0397	1	01/08/2024 19:16	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.315		0.0397	1	01/08/2024 19:16	WG2202493
Benzo(k)fluoranthene	0.0999		0.0397	1	01/08/2024 19:16	WG2202493
Benzo(g,h,i)perylene	0.0940		0.0397	1	01/08/2024 19:16	WG2202493
Benzo(a)pyrene	0.193		0.0397	1	01/08/2024 19:16	WG2202493
Bis(2-chloroethoxy)methane	ND		0.397	1	01/08/2024 19:16	WG2202493
Bis(2-chloroethyl)ether	ND		0.397	1	01/08/2024 19:16	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.397	1	01/08/2024 19:16	WG2202493
4-Bromophenyl-phenylether	ND		0.397	1	01/08/2024 19:16	WG2202493
2-Chloronaphthalene	ND		0.0397	1	01/08/2024 19:16	WG2202493
4-Chlorophenyl-phenylether	ND		0.397	1	01/08/2024 19:16	WG2202493
Chrysene	0.171		0.0397	1	01/08/2024 19:16	WG2202493
Dibenz(a,h)anthracene	ND		0.0397	1	01/08/2024 19:16	WG2202493
3,3-Dichlorobenzidine	ND	J3	0.397	1	01/08/2024 19:16	WG2202493
2,4-Dinitrotoluene	ND		0.397	1	01/08/2024 19:16	WG2202493
2,6-Dinitrotoluene	ND		0.397	1	01/08/2024 19:16	WG2202493
Fluoranthene	0.463		0.0397	1	01/08/2024 19:16	WG2202493
Fluorene	ND		0.0397	1	01/08/2024 19:16	WG2202493
Hexachlorobenzene	ND		0.397	1	01/08/2024 19:16	WG2202493
Hexachloro-1,3-butadiene	ND		0.397	1	01/08/2024 19:16	WG2202493
Hexachlorocyclopentadiene	ND	J6	0.397	1	01/08/2024 19:16	WG2202493
Hexachloroethane	ND		0.397	1	01/08/2024 19:16	WG2202493
Indeno(1,2,3-cd)pyrene	0.107		0.0397	1	01/08/2024 19:16	WG2202493
Isophorone	ND		0.397	1	01/08/2024 19:16	WG2202493
Naphthalene	ND		0.0397	1	01/08/2024 19:16	WG2202493
Nitrobenzene	ND		0.397	1	01/08/2024 19:16	WG2202493
n-Nitrosodimethylamine	ND		0.397	1	01/08/2024 19:16	WG2202493
n-Nitrosodiphenylamine	ND		0.397	1	01/08/2024 19:16	WG2202493
n-Nitrosodi-n-propylamine	ND		0.397	1	01/08/2024 19:16	WG2202493
Phenanthrene	0.228		0.0397	1	01/08/2024 19:16	WG2202493
Benzylbutyl phthalate	ND		0.397	1	01/08/2024 19:16	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.397	1	01/08/2024 19:16	WG2202493
Di-n-butyl phthalate	ND		0.397	1	01/08/2024 19:16	WG2202493
Diethyl phthalate	ND		0.397	1	01/08/2024 19:16	WG2202493
Dimethyl phthalate	ND		0.397	1	01/08/2024 19:16	WG2202493
Di-n-octyl phthalate	ND		0.397	1	01/08/2024 19:16	WG2202493
Pyrene	0.358		0.0397	1	01/08/2024 19:16	WG2202493
1,2,4-Trichlorobenzene	ND		0.397	1	01/08/2024 19:16	WG2202493
4-Chloro-3-methylphenol	ND		0.397	1	01/08/2024 19:16	WG2202493
2-Chlorophenol	ND		0.397	1	01/08/2024 19:16	WG2202493
2,4-Dichlorophenol	ND		0.397	1	01/08/2024 19:16	WG2202493
2,4-Dimethylphenol	ND		0.397	1	01/08/2024 19:16	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.397	1	01/08/2024 19:16	WG2202493
2,4-Dinitrophenol	ND		0.397	1	01/08/2024 19:16	WG2202493
2-Nitrophenol	ND		0.397	1	01/08/2024 19:16	WG2202493
4-Nitrophenol	ND		0.397	1	01/08/2024 19:16	WG2202493
Pentachlorophenol	ND		0.397	1	01/08/2024 19:16	WG2202493
Phenol	ND		0.397	1	01/08/2024 19:16	WG2202493
2,4,6-Trichlorophenol	ND		0.397	1	01/08/2024 19:16	WG2202493
(S) 2-Fluorophenol	54.1		12.0-120		01/08/2024 19:16	WG2202493
(S) Phenol-d5	52.3		10.0-120		01/08/2024 19:16	WG2202493
(S) Nitrobenzene-d5	45.9		10.0-122		01/08/2024 19:16	WG2202493
(S) 2-Fluorobiphenyl	50.2		15.0-120		01/08/2024 19:16	WG2202493
(S) 2,4,6-Tribromophenol	52.3		10.0-127		01/08/2024 19:16	WG2202493
(S) p-Terphenyl-d14	52.0		10.0-120		01/08/2024 19:16	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.8		1	01/08/2024 12:16	WG2202798

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.22	1	01/09/2024 08:32	WG2202754

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0489	1	01/06/2024 22:27	WG2202265

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.67	5	01/24/2024 11:41	WG2202530
Arsenic	2.37		1.22	5	01/24/2024 11:41	WG2202530
Barium	95.0		3.06	5	01/24/2024 11:41	WG2202530
Beryllium	ND		3.06	5	01/24/2024 11:41	WG2202530
Cadmium	ND		1.22	5	01/24/2024 11:41	WG2202530
Chromium	34.5		6.11	5	01/24/2024 11:41	WG2202530
Cobalt	12.7		1.22	5	01/24/2024 11:41	WG2202530
Copper	17.3		6.11	5	01/24/2024 11:41	WG2202530
Lead	23.6		2.45	5	01/24/2024 11:41	WG2202530
Manganese	633		3.06	5	01/24/2024 11:41	WG2202530
Nickel	17.2		3.06	5	01/24/2024 11:41	WG2202530
Selenium	ND		3.06	5	01/24/2024 11:41	WG2202530
Silver	ND		0.611	5	01/24/2024 11:41	WG2202530
Thallium	ND		2.45	5	01/24/2024 11:41	WG2202530
Vanadium	39.2		3.06	5	01/24/2024 11:41	WG2202530
Zinc	38.7		30.6	5	01/24/2024 11:41	WG2202530

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0796	1.12	01/11/2024 13:26	WG2205376
Acrylonitrile	ND		0.0199	1.12	01/11/2024 13:26	WG2205376
Benzene	ND		0.00159	1.12	01/11/2024 13:26	WG2205376
Bromobenzene	ND		0.0199	1.12	01/11/2024 13:26	WG2205376
Bromodichloromethane	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
Bromoform	ND		0.0398	1.12	01/11/2024 13:26	WG2205376
Bromomethane	ND	C3	0.0199	1.12	01/11/2024 13:26	WG2205376
n-Butylbenzene	ND		0.0199	1.12	01/11/2024 13:26	WG2205376
sec-Butylbenzene	ND		0.0199	1.12	01/11/2024 13:26	WG2205376
tert-Butylbenzene	ND		0.00796	1.12	01/11/2024 13:26	WG2205376
Carbon tetrachloride	ND		0.00796	1.12	01/11/2024 13:26	WG2205376
Chlorobenzene	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
Chlorodibromomethane	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
Chloroethane	ND	C3	0.00796	1.12	01/11/2024 13:26	WG2205376
Chloroform	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
Chloromethane	ND		0.0199	1.12	01/11/2024 13:26	WG2205376
2-Chlorotoluene	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
4-Chlorotoluene	ND		0.00796	1.12	01/11/2024 13:26	WG2205376
1,2-Dibromo-3-Chloropropane	ND		0.0398	1.12	01/11/2024 13:26	WG2205376

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
Dibromomethane	ND		0.00796	1.12	01/11/2024 13:26	WG2205376
1,2-Dichlorobenzene	ND		0.00796	1.12	01/11/2024 13:26	WG2205376
1,3-Dichlorobenzene	ND		0.00796	1.12	01/11/2024 13:26	WG2205376
1,4-Dichlorobenzene	ND		0.00796	1.12	01/11/2024 13:26	WG2205376
Dichlorodifluoromethane	ND		0.00796	1.12	01/11/2024 13:26	WG2205376
1,1-Dichloroethane	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
1,2-Dichloroethane	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
1,1-Dichloroethene	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
cis-1,2-Dichloroethene	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
trans-1,2-Dichloroethene	ND		0.00796	1.12	01/11/2024 13:26	WG2205376
1,2-Dichloropropane	ND		0.00796	1.12	01/11/2024 13:26	WG2205376
1,1-Dichloropropene	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
1,3-Dichloropropane	ND		0.00796	1.12	01/11/2024 13:26	WG2205376
cis-1,3-Dichloropropene	ND	J4	0.00398	1.12	01/11/2024 13:26	WG2205376
trans-1,3-Dichloropropene	ND		0.00796	1.12	01/11/2024 13:26	WG2205376
2,2-Dichloropropane	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
Di-isopropyl ether	ND		0.00159	1.12	01/11/2024 13:26	WG2205376
Ethylbenzene	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
Hexachloro-1,3-butadiene	ND		0.0398	1.12	01/11/2024 13:26	WG2205376
Isopropylbenzene	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
p-Isopropyltoluene	0.0190	C5	0.00796	1.12	01/11/2024 13:26	WG2205376
2-Butanone (MEK)	ND		0.159	1.12	01/11/2024 13:26	WG2205376
Methylene Chloride	ND		0.0398	1.12	01/11/2024 13:26	WG2205376
4-Methyl-2-pentanone (MIBK)	ND		0.0398	1.12	01/11/2024 13:26	WG2205376
Methyl tert-butyl ether	ND		0.00159	1.12	01/11/2024 13:26	WG2205376
Naphthalene	ND		0.0199	1.12	01/11/2024 13:26	WG2205376
n-Propylbenzene	ND		0.00796	1.12	01/11/2024 13:26	WG2205376
Styrene	ND		0.0199	1.12	01/11/2024 13:26	WG2205376
1,1,1,2-Tetrachloroethane	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
1,1,2,2-Tetrachloroethane	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
Tetrachloroethene	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
Toluene	ND		0.00796	1.12	01/11/2024 13:26	WG2205376
1,2,3-Trichlorobenzene	ND		0.0199	1.12	01/11/2024 13:26	WG2205376
1,2,4-Trichlorobenzene	ND		0.0199	1.12	01/11/2024 13:26	WG2205376
1,1,1-Trichloroethane	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
1,1,2-Trichloroethane	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
Trichloroethene	ND		0.00159	1.12	01/11/2024 13:26	WG2205376
Trichlorofluoromethane	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
1,2,3-Trichloropropane	ND		0.0199	1.12	01/11/2024 13:26	WG2205376
1,2,4-Trimethylbenzene	ND		0.00796	1.12	01/11/2024 13:26	WG2205376
1,3,5-Trimethylbenzene	ND		0.00796	1.12	01/11/2024 13:26	WG2205376
Vinyl chloride	ND		0.00398	1.12	01/11/2024 13:26	WG2205376
Xylenes, Total	ND		0.0103	1.12	01/11/2024 13:26	WG2205376
(S) Toluene-d8	99.6		75.0-131		01/11/2024 13:26	WG2205376
(S) 4-Bromofluorobenzene	109		67.0-138		01/11/2024 13:26	WG2205376
(S) 1,2-Dichloroethane-d4	81.8		70.0-130		01/11/2024 13:26	WG2205376

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0407	1	01/08/2024 20:16	WG2202493
Acenaphthylene	ND		0.0407	1	01/08/2024 20:16	WG2202493
Anthracene	0.0587		0.0407	1	01/08/2024 20:16	WG2202493
Benzidine	ND		2.04	1	01/08/2024 20:16	WG2202493
Benzo(a)anthracene	0.210		0.0407	1	01/08/2024 20:16	WG2202493

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.297		0.0407	1	01/08/2024 20:16	WG2202493
Benzo(k)fluoranthene	0.103		0.0407	1	01/08/2024 20:16	WG2202493
Benzo(g,h,i)perylene	0.0671		0.0407	1	01/08/2024 20:16	WG2202493
Benzo(a)pyrene	0.197		0.0407	1	01/08/2024 20:16	WG2202493
Bis(2-chloroethoxy)methane	ND		0.407	1	01/08/2024 20:16	WG2202493
Bis(2-chloroethyl)ether	ND		0.407	1	01/08/2024 20:16	WG2202493
2,2-Oxybis(1-Chloropropane)	ND		0.407	1	01/08/2024 20:16	WG2202493
4-Bromophenyl-phenylether	ND		0.407	1	01/08/2024 20:16	WG2202493
2-Chloronaphthalene	ND		0.0407	1	01/08/2024 20:16	WG2202493
4-Chlorophenyl-phenylether	ND		0.407	1	01/08/2024 20:16	WG2202493
Chrysene	0.178		0.0407	1	01/08/2024 20:16	WG2202493
Dibenz(a,h)anthracene	ND		0.0407	1	01/08/2024 20:16	WG2202493
3,3-Dichlorobenzidine	ND		0.407	1	01/08/2024 20:16	WG2202493
2,4-Dinitrotoluene	ND		0.407	1	01/08/2024 20:16	WG2202493
2,6-Dinitrotoluene	ND		0.407	1	01/08/2024 20:16	WG2202493
Fluoranthene	0.490		0.0407	1	01/08/2024 20:16	WG2202493
Fluorene	ND		0.0407	1	01/08/2024 20:16	WG2202493
Hexachlorobenzene	ND		0.407	1	01/08/2024 20:16	WG2202493
Hexachloro-1,3-butadiene	ND		0.407	1	01/08/2024 20:16	WG2202493
Hexachlorocyclopentadiene	ND		0.407	1	01/08/2024 20:16	WG2202493
Hexachloroethane	ND		0.407	1	01/08/2024 20:16	WG2202493
Indeno(1,2,3-cd)pyrene	0.0782		0.0407	1	01/08/2024 20:16	WG2202493
Isophorone	ND		0.407	1	01/08/2024 20:16	WG2202493
Naphthalene	ND		0.0407	1	01/08/2024 20:16	WG2202493
Nitrobenzene	ND		0.407	1	01/08/2024 20:16	WG2202493
n-Nitrosodimethylamine	ND		0.407	1	01/08/2024 20:16	WG2202493
n-Nitrosodiphenylamine	ND		0.407	1	01/08/2024 20:16	WG2202493
n-Nitrosodi-n-propylamine	ND		0.407	1	01/08/2024 20:16	WG2202493
Phenanthrene	0.350		0.0407	1	01/08/2024 20:16	WG2202493
Benzylbutyl phthalate	ND		0.407	1	01/08/2024 20:16	WG2202493
Bis(2-ethylhexyl)phthalate	ND		0.407	1	01/08/2024 20:16	WG2202493
Di-n-butyl phthalate	ND		0.407	1	01/08/2024 20:16	WG2202493
Diethyl phthalate	ND		0.407	1	01/08/2024 20:16	WG2202493
Dimethyl phthalate	ND		0.407	1	01/08/2024 20:16	WG2202493
Di-n-octyl phthalate	ND		0.407	1	01/08/2024 20:16	WG2202493
Pyrene	0.410		0.0407	1	01/08/2024 20:16	WG2202493
1,2,4-Trichlorobenzene	ND		0.407	1	01/08/2024 20:16	WG2202493
4-Chloro-3-methylphenol	ND		0.407	1	01/08/2024 20:16	WG2202493
2-Chlorophenol	ND		0.407	1	01/08/2024 20:16	WG2202493
2,4-Dichlorophenol	ND		0.407	1	01/08/2024 20:16	WG2202493
2,4-Dimethylphenol	ND		0.407	1	01/08/2024 20:16	WG2202493
4,6-Dinitro-2-methylphenol	ND		0.407	1	01/08/2024 20:16	WG2202493
2,4-Dinitrophenol	ND		0.407	1	01/08/2024 20:16	WG2202493
2-Nitrophenol	ND		0.407	1	01/08/2024 20:16	WG2202493
4-Nitrophenol	ND		0.407	1	01/08/2024 20:16	WG2202493
Pentachlorophenol	ND		0.407	1	01/08/2024 20:16	WG2202493
Phenol	ND		0.407	1	01/08/2024 20:16	WG2202493
2,4,6-Trichlorophenol	ND		0.407	1	01/08/2024 20:16	WG2202493
(S) 2-Fluorophenol	56.6		12.0-120		01/08/2024 20:16	WG2202493
(S) Phenol-d5	54.4		10.0-120		01/08/2024 20:16	WG2202493
(S) Nitrobenzene-d5	46.7		10.0-122		01/08/2024 20:16	WG2202493
(S) 2-Fluorobiphenyl	52.0		15.0-120		01/08/2024 20:16	WG2202493
(S) 2,4,6-Tribromophenol	57.2		10.0-127		01/08/2024 20:16	WG2202493
(S) p-Terphenyl-d14	59.6		10.0-120		01/08/2024 20:16	WG2202493

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND	C3	50.0	1	01/06/2024 11:39	WG2202144
Acrolein	ND	C3	50.0	1	01/06/2024 11:39	WG2202144
Acrylonitrile	ND		10.0	1	01/06/2024 11:39	WG2202144
Benzene	ND		1.00	1	01/06/2024 11:39	WG2202144
Bromobenzene	ND		1.00	1	01/06/2024 11:39	WG2202144
Bromodichloromethane	ND		1.00	1	01/06/2024 11:39	WG2202144
Bromoform	ND		1.00	1	01/06/2024 11:39	WG2202144
Bromomethane	ND		5.00	1	01/06/2024 11:39	WG2202144
n-Butylbenzene	ND		1.00	1	01/06/2024 11:39	WG2202144
sec-Butylbenzene	ND		1.00	1	01/06/2024 11:39	WG2202144
tert-Butylbenzene	ND		1.00	1	01/06/2024 11:39	WG2202144
Carbon tetrachloride	ND		1.00	1	01/06/2024 11:39	WG2202144
Chlorobenzene	ND		1.00	1	01/06/2024 11:39	WG2202144
Chlorodibromomethane	ND		1.00	1	01/06/2024 11:39	WG2202144
Chloroethane	ND		5.00	1	01/06/2024 11:39	WG2202144
Chloroform	ND		5.00	1	01/06/2024 11:39	WG2202144
Chloromethane	ND	C3	2.50	1	01/06/2024 11:39	WG2202144
2-Chlorotoluene	ND		1.00	1	01/06/2024 11:39	WG2202144
4-Chlorotoluene	ND		1.00	1	01/06/2024 11:39	WG2202144
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/06/2024 11:39	WG2202144
1,2-Dibromoethane	ND		1.00	1	01/06/2024 11:39	WG2202144
Dibromomethane	ND		1.00	1	01/06/2024 11:39	WG2202144
1,2-Dichlorobenzene	ND		1.00	1	01/06/2024 11:39	WG2202144
1,3-Dichlorobenzene	ND		1.00	1	01/06/2024 11:39	WG2202144
1,4-Dichlorobenzene	ND		1.00	1	01/06/2024 11:39	WG2202144
Dichlorodifluoromethane	ND		5.00	1	01/06/2024 11:39	WG2202144
1,1-Dichloroethane	ND		1.00	1	01/06/2024 11:39	WG2202144
1,2-Dichloroethane	ND		1.00	1	01/06/2024 11:39	WG2202144
1,1-Dichloroethene	ND		1.00	1	01/06/2024 11:39	WG2202144
cis-1,2-Dichloroethene	ND		1.00	1	01/06/2024 11:39	WG2202144
trans-1,2-Dichloroethene	ND		1.00	1	01/06/2024 11:39	WG2202144
1,2-Dichloropropane	ND		1.00	1	01/06/2024 11:39	WG2202144
1,1-Dichloropropene	ND		1.00	1	01/06/2024 11:39	WG2202144
1,3-Dichloropropane	ND		1.00	1	01/06/2024 11:39	WG2202144
cis-1,3-Dichloropropene	ND		1.00	1	01/06/2024 11:39	WG2202144
trans-1,3-Dichloropropene	ND		1.00	1	01/06/2024 11:39	WG2202144
2,2-Dichloropropane	ND		1.00	1	01/06/2024 11:39	WG2202144
Di-isopropyl ether	ND		1.00	1	01/06/2024 11:39	WG2202144
Ethylbenzene	ND		1.00	1	01/06/2024 11:39	WG2202144
Hexachloro-1,3-butadiene	ND		1.00	1	01/06/2024 11:39	WG2202144
Isopropylbenzene	ND		1.00	1	01/06/2024 11:39	WG2202144
p-Isopropyltoluene	ND		1.00	1	01/06/2024 11:39	WG2202144
2-Butanone (MEK)	ND		10.0	1	01/06/2024 11:39	WG2202144
Methylene Chloride	ND		5.00	1	01/06/2024 11:39	WG2202144
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/06/2024 11:39	WG2202144
Methyl tert-butyl ether	ND		1.00	1	01/06/2024 11:39	WG2202144
Naphthalene	ND		5.00	1	01/06/2024 11:39	WG2202144
n-Propylbenzene	ND		1.00	1	01/06/2024 11:39	WG2202144
Styrene	ND		1.00	1	01/06/2024 11:39	WG2202144
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/06/2024 11:39	WG2202144
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/06/2024 11:39	WG2202144
Tetrachloroethene	ND		1.00	1	01/06/2024 11:39	WG2202144
Toluene	ND		1.00	1	01/06/2024 11:39	WG2202144
1,2,3-Trichlorobenzene	ND	J3	1.00	1	01/06/2024 11:39	WG2202144
1,2,4-Trichlorobenzene	ND		1.00	1	01/06/2024 11:39	WG2202144
1,1,1-Trichloroethane	ND		1.00	1	01/06/2024 11:39	WG2202144

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	01/06/2024 11:39	WG2202144
Trichloroethene	ND		1.00	1	01/06/2024 11:39	WG2202144
Trichlorofluoromethane	ND		5.00	1	01/06/2024 11:39	WG2202144
1,2,3-Trichloropropane	ND		2.50	1	01/06/2024 11:39	WG2202144
1,2,4-Trimethylbenzene	ND		1.00	1	01/06/2024 11:39	WG2202144
1,3,5-Trimethylbenzene	ND		1.00	1	01/06/2024 11:39	WG2202144
Vinyl chloride	ND		1.00	1	01/06/2024 11:39	WG2202144
Xylenes, Total	ND		3.00	1	01/06/2024 11:39	WG2202144
(S) Toluene-d8	86.0		80.0-120		01/06/2024 11:39	WG2202144
(S) 4-Bromofluorobenzene	84.9		77.0-126		01/06/2024 11:39	WG2202144
(S) 1,2-Dichloroethane-d4	81.3		70.0-130		01/06/2024 11:39	WG2202144

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

Method Blank (MB)

(MB) R4021096-1 01/08/24 12:22

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

1 Cp

2 Tc

3 Ss

L1693662-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1693662-08 01/08/24 12:22 • (DUP) R4021096-3 01/08/24 12:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	81.7	81.0	1	0.833		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4021096-2 01/08/24 12:22

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021094-1 01/08/24 12:16

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00200			

1 Cp

2 Tc

3 Ss

L1693674-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1693674-11 01/08/24 12:16 • (DUP) R4021094-3 01/08/24 12:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	83.4	88.2	1	5.66		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4021094-2 01/08/24 12:16

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021047-1 01/08/24 23:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1693662-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1693662-01 01/08/24 23:39 • (DUP) R4021047-3 01/08/24 23:45

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

L1693674-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1693674-03 01/09/24 02:14 • (DUP) R4021047-12 01/09/24 02:20

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	46.5	P1	20

Laboratory Control Sample (LCS)

(LCS) R4021047-2 01/08/24 23:33

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.8	108	80.0-120	

L1693662-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693662-04 01/09/24 00:04 • (MS) R4021047-5 01/09/24 00:16 • (MSD) R4021047-6 01/09/24 00:23

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	24.2	ND	ND	ND	0.000	0.000	1	75.0-125	J6	J6	0.000	20

L1693674-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693674-01 01/09/24 01:24 • (MS) R4021047-9 01/09/24 01:37 • (MSD) R4021047-10 01/09/24 01:55

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	25.8	ND	ND	ND	0.000	0.000	1	75.0-125	<u>J6</u>	<u>J6</u>	0.000	20

L1693662-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1693662-04 01/09/24 00:04 • (MS) R4021047-7 01/09/24 00:41

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	775	ND	ND	0.000	50	75.0-125	<u>J6</u>

L1693674-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1693674-01 01/09/24 01:24 • (MS) R4021047-11 01/09/24 02:02

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	823	ND	242	29.4	50	75.0-125	<u>J6</u>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021238-1 01/09/24 07:59

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1693674-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1693674-12 01/09/24 08:20 • (DUP) R4021238-3 01/09/24 08:26

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	55.9	P1	20

L1693895-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1693895-02 01/09/24 09:59 • (DUP) R4021238-8 01/09/24 10:05

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4021238-2 01/09/24 08:07

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.8	108	80.0-120	

L1693877-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693877-20 01/09/24 08:45 • (MS) R4021238-5 01/09/24 08:57 • (MSD) R4021238-6 01/09/24 09:16

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	20.0	ND	19.0	16.3	95.0	81.5	1	75.0-125			15.3	20

L1693895-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693895-05 01/09/24 10:36 • (MS) R4021238-10 01/09/24 10:48 • (MSD) R4021238-11 01/09/24 10:55

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	24.2	ND	14.0	14.5	57.7	60.1	1	75.0-125	<u>J6</u>	<u>J6</u>	4.02	20

1 Cp

2 Tc

3 Ss

L1693877-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1693877-20 01/09/24 08:45 • (MS) R4021238-7 01/09/24 09:22

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	636	ND	585	92.0	50	75.0-125	

4 Cn

5 Sr

L1693895-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1693895-05 01/09/24 10:36 • (MS) R4021238-12 01/09/24 11:01

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	770	ND	736	95.5	50	75.0-125	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4020520-1 01/06/24 20:28

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4020520-2 01/06/24 20:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.474	94.8	80.0-120	

4 Cn

5 Sr

6 Qc

L1693662-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693662-08 01/06/24 21:24 • (MS) R4020520-3 01/06/24 21:27 • (MSD) R4020520-4 01/06/24 21:29

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.612	ND	0.551	0.544	84.8	83.7	1	75.0-125			1.29	20

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4020604-1 01/07/24 16:15

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4020604-2 01/07/24 16:18

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.463	92.6	80.0-120	

4 Cn

5 Sr

L1693814-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693814-09 01/07/24 16:20 • (MS) R4020604-3 01/07/24 16:23 • (MSD) R4020604-4 01/07/24 16:25

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.555	ND	0.476	0.521	85.7	93.8	1	75.0-125			9.00	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4020607-1 01/07/24 17:35

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R4020607-2 01/07/24 17:37

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.436	87.3	80.0-120	

⁴Cn

⁵Sr

L1693674-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693674-06 01/07/24 17:40 • (MS) R4020607-3 01/07/24 17:42 • (MSD) R4020607-4 01/07/24 17:45

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.601	0.161	0.904	0.820	124	110	1	75.0-125			9.78	20

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4025939-1 01/24/24 18:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	0.353	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	U		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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4025939-2 01/24/24 18:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	104	104	80.0-120	
Arsenic	100	101	101	80.0-120	
Barium	100	97.4	97.4	80.0-120	
Beryllium	100	97.4	97.4	80.0-120	
Cadmium	100	106	106	80.0-120	
Chromium	100	102	102	80.0-120	
Cobalt	100	105	105	80.0-120	
Copper	100	104	104	80.0-120	
Lead	100	105	105	80.0-120	
Manganese	100	102	102	80.0-120	
Nickel	100	106	106	80.0-120	
Selenium	100	103	103	80.0-120	
Silver	20.0	20.7	103	80.0-120	
Thallium	100	104	104	80.0-120	
Vanadium	100	101	101	80.0-120	
Zinc	100	99.1	99.1	80.0-120	

L1693662-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693662-08 01/24/24 18:06 • (MS) R4025939-5 01/24/24 18:16 • (MSD) R4025939-6 01/24/24 18:19

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	122	ND	108	116	87.7	94.9	5	75.0-125			7.86	20
Arsenic	122	2.10	131	140	106	113	5	75.0-125			6.51	20
Barium	122	92.4	256	273	134	148	5	75.0-125	J5	J5	6.41	20
Beryllium	122	ND	133	140	108	114	5	75.0-125	E	E	5.32	20
Cadmium	122	ND	147	154	120	125	5	75.0-125			4.61	20
Chromium	122	30.7	174	188	117	129	5	75.0-125		J5	8.03	20
Cobalt	122	10.0	150	162	114	124	5	75.0-125			7.55	20
Copper	122	14.1	157	169	117	127	5	75.0-125		J5	7.44	20
Lead	122	21.5	167	189	119	137	5	75.0-125		J5	12.2	20
Manganese	122	447	1030	857	479	335	5	75.0-125	J5	J5	18.6	20
Nickel	122	15.6	160	173	118	128	5	75.0-125		J5	7.78	20
Selenium	122	ND	140	151	114	123	5	75.0-125			7.66	20
Silver	24.5	ND	28.8	30.6	117	124	5	75.0-125			6.05	20
Thallium	122	ND	138	151	112	123	5	75.0-125			9.29	20
Vanadium	122	36.4	182	195	119	130	5	75.0-125		J5	6.90	20
Zinc	122	35.5	180	199	118	134	5	75.0-125		J5	9.88	20

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

Method Blank (MB)

(MB) R4025715-1 01/24/24 10:34

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	U		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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4025715-2 01/24/24 10:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	103	103	80.0-120	
Arsenic	100	92.5	92.5	80.0-120	
Barium	100	90.5	90.5	80.0-120	
Beryllium	100	80.2	80.2	80.0-120	
Cadmium	100	95.5	95.5	80.0-120	
Chromium	100	92.9	92.9	80.0-120	
Cobalt	100	94.0	94.0	80.0-120	
Copper	100	93.8	93.8	80.0-120	
Lead	100	90.8	90.8	80.0-120	
Manganese	100	93.7	93.7	80.0-120	
Nickel	100	94.1	94.1	80.0-120	
Selenium	100	94.1	94.1	80.0-120	
Silver	20.0	18.4	92.2	80.0-120	
Thallium	100	89.8	89.8	80.0-120	
Vanadium	100	90.4	90.4	80.0-120	
Zinc	100	93.3	93.3	80.0-120	

L1693674-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693674-12 01/24/24 10:41 • (MS) R4025715-5 01/24/24 10:51 • (MSD) R4025715-6 01/24/24 10:54

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	119	ND	140	128	117	107	5	75.0-125			8.46	20
Arsenic	119	2.45	139	140	114	115	5	75.0-125			0.513	20
Barium	119	84.0	217	224	111	117	5	75.0-125			3.36	20
Beryllium	119	ND	127	126	106	105	5	75.0-125			0.325	20
Cadmium	119	ND	144	147	121	123	5	75.0-125			1.99	20
Chromium	119	29.9	182	263	127	195	5	75.0-125	J5	J3 J5	36.4	20
Cobalt	119	13.5	153	156	117	119	5	75.0-125			2.02	20
Copper	119	16.6	159	164	119	123	5	75.0-125			2.78	20
Lead	119	26.4	167	164	118	116	5	75.0-125			1.64	20
Manganese	119	627	561	594	0.000	0.000	5	75.0-125	V	V	5.68	20
Nickel	119	16.7	165	165	124	124	5	75.0-125			0.0292	20
Selenium	119	ND	140	140	117	117	5	75.0-125			0.273	20
Silver	23.9	ND	28.7	28.4	118	118	5	75.0-125			0.777	20
Thallium	119	ND	139	142	116	119	5	75.0-125			2.26	20
Vanadium	119	36.8	184	185	124	124	5	75.0-125			0.387	20
Zinc	119	46.8	188	188	119	119	5	75.0-125			0.0670	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4021244-3 01/06/24 09:16

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4021244-3 01/06/24 09:16

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	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	1.16	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	89.8			80.0-120
(S) 4-Bromofluorobenzene	84.6			77.0-126
(S) 1,2-Dichloroethane-d4	80.0			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021244-1 01/06/24 08:19 • (LCSD) R4021244-2 01/06/24 08:38

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Acetone	25.0	18.9	20.4	75.6	81.6	19.0-160			7.63	27
Acrolein	25.0	19.0	20.3	76.0	81.2	10.0-160			6.62	26
Acrylonitrile	25.0	25.5	25.3	102	101	55.0-149			0.787	20
Benzene	5.00	5.36	5.32	107	106	70.0-123			0.749	20
Bromobenzene	5.00	5.20	5.05	104	101	73.0-121			2.93	20
Bromodichloromethane	5.00	5.03	5.17	101	103	75.0-120			2.75	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021244-1 01/06/24 08:19 • (LCSD) R4021244-2 01/06/24 08:38

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	4.99	5.05	99.8	101	68.0-132			1.20	20
Bromomethane	5.00	5.28	5.53	106	111	10.0-160			4.63	25
n-Butylbenzene	5.00	4.92	5.14	98.4	103	73.0-125			4.37	20
sec-Butylbenzene	5.00	5.45	5.37	109	107	75.0-125			1.48	20
tert-Butylbenzene	5.00	5.24	5.30	105	106	76.0-124			1.14	20
Carbon tetrachloride	5.00	5.25	5.29	105	106	68.0-126			0.759	20
Chlorobenzene	5.00	5.61	5.55	112	111	80.0-121			1.08	20
Chlorodibromomethane	5.00	5.16	5.07	103	101	77.0-125			1.76	20
Chloroethane	5.00	5.66	5.79	113	116	47.0-150			2.27	20
Chloroform	5.00	5.20	5.33	104	107	73.0-120			2.47	20
Chloromethane	5.00	3.16	3.28	63.2	65.6	41.0-142			3.73	20
2-Chlorotoluene	5.00	5.53	5.37	111	107	76.0-123			2.94	20
4-Chlorotoluene	5.00	5.48	5.45	110	109	75.0-122			0.549	20
1,2-Dibromo-3-Chloropropane	5.00	4.83	5.03	96.6	101	58.0-134			4.06	20
1,2-Dibromoethane	5.00	5.35	5.43	107	109	80.0-122			1.48	20
Dibromomethane	5.00	5.33	5.28	107	106	80.0-120			0.943	20
1,2-Dichlorobenzene	5.00	5.45	5.31	109	106	79.0-121			2.60	20
1,3-Dichlorobenzene	5.00	5.41	5.52	108	110	79.0-120			2.01	20
1,4-Dichlorobenzene	5.00	5.23	5.32	105	106	79.0-120			1.71	20
Dichlorodifluoromethane	5.00	5.16	5.17	103	103	51.0-149			0.194	20
1,1-Dichloroethane	5.00	5.20	5.22	104	104	70.0-126			0.384	20
1,2-Dichloroethane	5.00	4.75	4.79	95.0	95.8	70.0-128			0.839	20
1,1-Dichloroethene	5.00	5.07	5.23	101	105	71.0-124			3.11	20
cis-1,2-Dichloroethene	5.00	5.23	5.02	105	100	73.0-120			4.10	20
trans-1,2-Dichloroethene	5.00	4.88	5.04	97.6	101	73.0-120			3.23	20
1,2-Dichloropropane	5.00	5.01	5.06	100	101	77.0-125			0.993	20
1,1-Dichloropropene	5.00	5.01	5.05	100	101	74.0-126			0.795	20
1,3-Dichloropropane	5.00	5.52	5.43	110	109	80.0-120			1.64	20
cis-1,3-Dichloropropene	5.00	4.82	4.81	96.4	96.2	80.0-123			0.208	20
trans-1,3-Dichloropropene	5.00	4.93	4.86	98.6	97.2	78.0-124			1.43	20
2,2-Dichloropropane	5.00	5.30	5.13	106	103	58.0-130			3.26	20
Di-isopropyl ether	5.00	4.94	5.05	98.8	101	58.0-138			2.20	20
Ethylbenzene	5.00	5.04	5.32	101	106	79.0-123			5.41	20
Hexachloro-1,3-butadiene	5.00	4.81	5.37	96.2	107	54.0-138			11.0	20
Isopropylbenzene	5.00	5.43	5.46	109	109	76.0-127			0.551	20
p-Isopropyltoluene	5.00	5.24	5.23	105	105	76.0-125			0.191	20
2-Butanone (MEK)	25.0	23.6	25.0	94.4	100	44.0-160			5.76	20
Methylene Chloride	5.00	5.82	5.82	116	116	67.0-120			0.000	20
4-Methyl-2-pentanone (MIBK)	25.0	27.9	27.1	112	108	68.0-142			2.91	20
Methyl tert-butyl ether	5.00	4.85	4.70	97.0	94.0	68.0-125			3.14	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021244-1 01/06/24 08:19 • (LCSD) R4021244-2 01/06/24 08:38

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	4.54	5.37	90.8	107	54.0-135			16.8	20
n-Propylbenzene	5.00	5.63	5.56	113	111	77.0-124			1.25	20
Styrene	5.00	5.01	5.14	100	103	73.0-130			2.56	20
1,1,1,2-Tetrachloroethane	5.00	5.52	5.38	110	108	75.0-125			2.57	20
1,1,2,2-Tetrachloroethane	5.00	5.54	5.39	111	108	65.0-130			2.74	20
Tetrachloroethene	5.00	5.29	5.21	106	104	72.0-132			1.52	20
Toluene	5.00	5.70	5.79	114	116	79.0-120			1.57	20
1,2,3-Trichlorobenzene	5.00	4.10	5.02	82.0	100	50.0-138		J3	20.2	20
1,2,4-Trichlorobenzene	5.00	4.31	5.05	86.2	101	57.0-137			15.8	20
1,1,1-Trichloroethane	5.00	4.95	4.96	99.0	99.2	73.0-124			0.202	20
1,1,2-Trichloroethane	5.00	5.62	5.68	112	114	80.0-120			1.06	20
Trichloroethene	5.00	5.10	4.97	102	99.4	78.0-124			2.58	20
Trichlorofluoromethane	5.00	5.55	5.53	111	111	59.0-147			0.361	20
1,2,3-Trichloropropane	5.00	5.03	4.98	101	99.6	73.0-130			0.999	20
1,2,4-Trimethylbenzene	5.00	5.46	5.47	109	109	76.0-121			0.183	20
1,3,5-Trimethylbenzene	5.00	5.55	5.35	111	107	76.0-122			3.67	20
Vinyl chloride	5.00	4.81	5.10	96.2	102	67.0-131			5.85	20
Xylenes, Total	15.0	16.1	16.1	107	107	79.0-123			0.000	20
(S) Toluene-d8				88.2	89.0	80.0-120				
(S) 4-Bromofluorobenzene				86.1	87.4	77.0-126				
(S) 1,2-Dichloroethane-d4				80.0	80.9	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022409-3 01/10/24 22:21

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022409-3 01/10/24 22:21

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	102			75.0-131
(S) 4-Bromofluorobenzene	98.3			67.0-138
(S) 1,2-Dichloroethane-d4	88.8			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022409-1 01/10/24 20:43 • (LCSD) R4022409-2 01/10/24 21:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.620	0.580	99.2	92.8	10.0-160			6.67	31
Acrylonitrile	0.625	0.622	0.586	99.5	93.8	45.0-153			5.96	22
Benzene	0.125	0.120	0.120	96.0	96.0	70.0-123			0.000	20
Bromobenzene	0.125	0.128	0.127	102	102	73.0-121			0.784	20
Bromodichloromethane	0.125	0.117	0.117	93.6	93.6	73.0-121			0.000	20
Bromoform	0.125	0.112	0.115	89.6	92.0	64.0-132			2.64	20
Bromomethane	0.125	0.126	0.131	101	105	56.0-147			3.89	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022409-1 01/10/24 20:43 • (LCSD) R4022409-2 01/10/24 21:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.118	0.113	94.4	90.4	68.0-135			4.33	20
sec-Butylbenzene	0.125	0.114	0.122	91.2	97.6	74.0-130			6.78	20
tert-Butylbenzene	0.125	0.121	0.124	96.8	99.2	75.0-127			2.45	20
Carbon tetrachloride	0.125	0.120	0.121	96.0	96.8	66.0-128			0.830	20
Chlorobenzene	0.125	0.129	0.129	103	103	76.0-128			0.000	20
Chlorodibromomethane	0.125	0.121	0.119	96.8	95.2	74.0-127			1.67	20
Chloroethane	0.125	0.149	0.159	119	127	61.0-134			6.49	20
Chloroform	0.125	0.117	0.116	93.6	92.8	72.0-123			0.858	20
Chloromethane	0.125	0.116	0.113	92.8	90.4	51.0-138			2.62	20
2-Chlorotoluene	0.125	0.118	0.121	94.4	96.8	75.0-124			2.51	20
4-Chlorotoluene	0.125	0.122	0.125	97.6	100	75.0-124			2.43	20
1,2-Dibromo-3-Chloropropane	0.125	0.0994	0.107	79.5	85.6	59.0-130			7.36	20
1,2-Dibromoethane	0.125	0.127	0.123	102	98.4	74.0-128			3.20	20
Dibromomethane	0.125	0.115	0.111	92.0	88.8	75.0-122			3.54	20
1,2-Dichlorobenzene	0.125	0.119	0.123	95.2	98.4	76.0-124			3.31	20
1,3-Dichlorobenzene	0.125	0.120	0.126	96.0	101	76.0-125			4.88	20
1,4-Dichlorobenzene	0.125	0.120	0.121	96.0	96.8	77.0-121			0.830	20
Dichlorodifluoromethane	0.125	0.0926	0.0893	74.1	71.4	43.0-156			3.63	20
1,1-Dichloroethane	0.125	0.114	0.116	91.2	92.8	70.0-127			1.74	20
1,2-Dichloroethane	0.125	0.115	0.114	92.0	91.2	65.0-131			0.873	20
1,1-Dichloroethene	0.125	0.112	0.113	89.6	90.4	65.0-131			0.889	20
cis-1,2-Dichloroethene	0.125	0.115	0.116	92.0	92.8	73.0-125			0.866	20
trans-1,2-Dichloroethene	0.125	0.113	0.117	90.4	93.6	71.0-125			3.48	20
1,2-Dichloropropane	0.125	0.119	0.123	95.2	98.4	74.0-125			3.31	20
1,1-Dichloropropene	0.125	0.119	0.120	95.2	96.0	73.0-125			0.837	20
1,3-Dichloropropane	0.125	0.126	0.122	101	97.6	80.0-125			3.23	20
cis-1,3-Dichloropropene	0.125	0.119	0.114	95.2	91.2	76.0-127			4.29	20
trans-1,3-Dichloropropene	0.125	0.120	0.118	96.0	94.4	73.0-127			1.68	20
2,2-Dichloropropane	0.125	0.125	0.123	100	98.4	59.0-135			1.61	20
Di-isopropyl ether	0.125	0.121	0.116	96.8	92.8	60.0-136			4.22	20
Ethylbenzene	0.125	0.126	0.123	101	98.4	74.0-126			2.41	20
Hexachloro-1,3-butadiene	0.125	0.120	0.123	96.0	98.4	57.0-150			2.47	20
Isopropylbenzene	0.125	0.121	0.124	96.8	99.2	72.0-127			2.45	20
p-Isopropyltoluene	0.125	0.123	0.124	98.4	99.2	72.0-133			0.810	20
2-Butanone (MEK)	0.625	0.460	0.466	73.6	74.6	30.0-160			1.30	24
Methylene Chloride	0.125	0.109	0.108	87.2	86.4	68.0-123			0.922	20
4-Methyl-2-pentanone (MIBK)	0.625	0.614	0.608	98.2	97.3	56.0-143			0.982	20
Methyl tert-butyl ether	0.125	0.111	0.112	88.8	89.6	66.0-132			0.897	20
Naphthalene	0.125	0.0969	0.100	77.5	80.0	59.0-130			3.15	20
n-Propylbenzene	0.125	0.114	0.119	91.2	95.2	74.0-126			4.29	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022409-1 01/10/24 20:43 • (LCSD) R4022409-2 01/10/24 21:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Styrene	0.125	0.120	0.127	96.0	102	72.0-127			5.67	20
1,1,1,2-Tetrachloroethane	0.125	0.127	0.128	102	102	74.0-129			0.784	20
1,1,2,2-Tetrachloroethane	0.125	0.109	0.108	87.2	86.4	68.0-128			0.922	20
Tetrachloroethene	0.125	0.130	0.141	104	113	70.0-136			8.12	20
Toluene	0.125	0.126	0.127	101	102	75.0-121			0.791	20
1,2,3-Trichlorobenzene	0.125	0.111	0.118	88.8	94.4	59.0-139			6.11	20
1,2,4-Trichlorobenzene	0.125	0.115	0.120	92.0	96.0	62.0-137			4.26	20
1,1,1-Trichloroethane	0.125	0.121	0.126	96.8	101	69.0-126			4.05	20
1,1,2-Trichloroethane	0.125	0.123	0.121	98.4	96.8	78.0-123			1.64	20
Trichloroethene	0.125	0.132	0.131	106	105	76.0-126			0.760	20
Trichlorofluoromethane	0.125	0.0903	0.0915	72.2	73.2	61.0-142			1.32	20
1,2,3-Trichloropropane	0.125	0.115	0.116	92.0	92.8	67.0-129			0.866	20
1,2,4-Trimethylbenzene	0.125	0.115	0.118	92.0	94.4	70.0-126			2.58	20
1,3,5-Trimethylbenzene	0.125	0.116	0.116	92.8	92.8	73.0-127			0.000	20
Vinyl chloride	0.125	0.111	0.115	88.8	92.0	63.0-134			3.54	20
Xylenes, Total	0.375	0.369	0.368	98.4	98.1	72.0-127			0.271	20
<i>(S) Toluene-d8</i>				101	101	75.0-131				
<i>(S) 4-Bromofluorobenzene</i>				96.1	95.7	67.0-138				
<i>(S) 1,2-Dichloroethane-d4</i>				97.6	94.4	70.0-130				

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4022395-2 01/11/24 10:57

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	0.00180	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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022395-2 01/11/24 10:57

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	98.9			75.0-131
(S) 4-Bromofluorobenzene	109			67.0-138
(S) 1,2-Dichloroethane-d4	82.8			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4022395-1 01/11/24 09:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.526	84.2	10.0-160	
Acrylonitrile	0.625	0.655	105	45.0-153	
Benzene	0.125	0.140	112	70.0-123	
Bromobenzene	0.125	0.131	105	73.0-121	
Bromodichloromethane	0.125	0.142	114	73.0-121	
Bromoform	0.125	0.153	122	64.0-132	
Bromomethane	0.125	0.0946	75.7	56.0-147	

Laboratory Control Sample (LCS)

(LCS) R4022395-1 01/11/24 09:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
n-Butylbenzene	0.125	0.165	132	68.0-135	
sec-Butylbenzene	0.125	0.148	118	74.0-130	
tert-Butylbenzene	0.125	0.149	119	75.0-127	
Carbon tetrachloride	0.125	0.148	118	66.0-128	
Chlorobenzene	0.125	0.145	116	76.0-128	
Chlorodibromomethane	0.125	0.142	114	74.0-127	
Chloroethane	0.125	0.0969	77.5	61.0-134	
Chloroform	0.125	0.133	106	72.0-123	
Chloromethane	0.125	0.126	101	51.0-138	
2-Chlorotoluene	0.125	0.130	104	75.0-124	
4-Chlorotoluene	0.125	0.134	107	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.107	85.6	59.0-130	
1,2-Dibromoethane	0.125	0.145	116	74.0-128	
Dibromomethane	0.125	0.139	111	75.0-122	
1,2-Dichlorobenzene	0.125	0.140	112	76.0-124	
1,3-Dichlorobenzene	0.125	0.137	110	76.0-125	
1,4-Dichlorobenzene	0.125	0.132	106	77.0-121	
Dichlorodifluoromethane	0.125	0.127	102	43.0-156	
1,1-Dichloroethane	0.125	0.145	116	70.0-127	
1,2-Dichloroethane	0.125	0.112	89.6	65.0-131	
1,1-Dichloroethene	0.125	0.143	114	65.0-131	
cis-1,2-Dichloroethene	0.125	0.147	118	73.0-125	
trans-1,2-Dichloroethene	0.125	0.148	118	71.0-125	
1,2-Dichloropropane	0.125	0.154	123	74.0-125	
1,1-Dichloropropene	0.125	0.145	116	73.0-125	
1,3-Dichloropropane	0.125	0.138	110	80.0-125	
cis-1,3-Dichloropropene	0.125	0.160	128	76.0-127	J4
trans-1,3-Dichloropropene	0.125	0.144	115	73.0-127	
2,2-Dichloropropane	0.125	0.158	126	59.0-135	
Di-isopropyl ether	0.125	0.144	115	60.0-136	
Ethylbenzene	0.125	0.146	117	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.157	126	57.0-150	
Isopropylbenzene	0.125	0.156	125	72.0-127	
p-Isopropyltoluene	0.125	0.152	122	72.0-133	
2-Butanone (MEK)	0.625	0.710	114	30.0-160	
Methylene Chloride	0.125	0.135	108	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.697	112	56.0-143	
Methyl tert-butyl ether	0.125	0.136	109	66.0-132	
Naphthalene	0.125	0.134	107	59.0-130	
n-Propylbenzene	0.125	0.138	110	74.0-126	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4022395-1 01/11/24 09:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Styrene	0.125	0.144	115	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.140	112	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.127	102	68.0-128	
Tetrachloroethene	0.125	0.148	118	70.0-136	
Toluene	0.125	0.138	110	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.128	102	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.135	108	62.0-137	
1,1,1-Trichloroethane	0.125	0.143	114	69.0-126	
1,1,2-Trichloroethane	0.125	0.138	110	78.0-123	
Trichloroethene	0.125	0.148	118	76.0-126	
Trichlorofluoromethane	0.125	0.129	103	61.0-142	
1,2,3-Trichloropropane	0.125	0.122	97.6	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.140	112	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.142	114	73.0-127	
Vinyl chloride	0.125	0.131	105	63.0-134	
Xylenes, Total	0.375	0.450	120	72.0-127	
<i>(S) Toluene-d8</i>			98.6	75.0-131	
<i>(S) 4-Bromofluorobenzene</i>			109	67.0-138	
<i>(S) 1,2-Dichloroethane-d4</i>			86.6	70.0-130	

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

Method Blank (MB)

(MB) R4021294-2 01/08/24 14:32

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021294-2 01/08/24 14:32

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	57.7			12.0-120
(S) Phenol-d5	54.8			10.0-120
(S) Nitrobenzene-d5	47.7			10.0-122
(S) 2-Fluorobiphenyl	55.3			15.0-120
(S) 2,4,6-Tribromophenol	51.1			10.0-127
(S) p-Terphenyl-d14	62.2			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4021294-1 01/08/24 14:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.401	60.2	38.0-120	
Acenaphthylene	0.666	0.407	61.1	40.0-120	
Anthracene	0.666	0.412	61.9	42.0-120	
Benzidine	1.33	0.245	18.4	10.0-120	
Benzo(a)anthracene	0.666	0.430	64.6	44.0-120	
Benzo(b)fluoranthene	0.666	0.429	64.4	43.0-120	
Benzo(k)fluoranthene	0.666	0.414	62.2	44.0-120	
Benzo(g,h,i)perylene	0.666	0.495	74.3	43.0-120	
Benzo(a)pyrene	0.666	0.436	65.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.334	50.2	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.460	69.1	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.372	55.9	23.0-120	
4-Bromophenyl-phenylether	0.666	0.395	59.3	40.0-120	
2-Chloronaphthalene	0.666	0.389	58.4	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4021294-1 01/08/24 14:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.415	62.3	40.0-120	
Chrysene	0.666	0.415	62.3	43.0-120	
Dibenz(a,h)anthracene	0.666	0.468	70.3	44.0-120	
3,3-Dichlorobenzidine	1.33	0.756	56.8	28.0-120	
2,4-Dinitrotoluene	0.666	0.462	69.4	45.0-120	
2,6-Dinitrotoluene	0.666	0.436	65.5	42.0-120	
Fluoranthene	0.666	0.409	61.4	44.0-120	
Fluorene	0.666	0.405	60.8	41.0-120	
Hexachlorobenzene	0.666	0.387	58.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.314	47.1	15.0-120	
Hexachlorocyclopentadiene	0.666	0.389	58.4	15.0-120	
Hexachloroethane	0.666	0.365	54.8	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.429	64.4	45.0-120	
Isophorone	0.666	0.324	48.6	23.0-120	
Naphthalene	0.666	0.315	47.3	18.0-120	
Nitrobenzene	0.666	0.310	46.5	17.0-120	
n-Nitrosodimethylamine	0.666	0.320	48.0	10.0-125	
n-Nitrosodiphenylamine	0.666	0.376	56.5	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.398	59.8	26.0-120	
Phenanthrene	0.666	0.402	60.4	42.0-120	
Benzylbutyl phthalate	0.666	0.435	65.3	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.447	67.1	41.0-120	
Di-n-butyl phthalate	0.666	0.403	60.5	43.0-120	
Diethyl phthalate	0.666	0.434	65.2	43.0-120	
Dimethyl phthalate	0.666	0.412	61.9	43.0-120	
Di-n-octyl phthalate	0.666	0.436	65.5	40.0-120	
Pyrene	0.666	0.419	62.9	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.327	49.1	17.0-120	
4-Chloro-3-methylphenol	0.666	0.343	51.5	28.0-120	
2-Chlorophenol	0.666	0.403	60.5	28.0-120	
2,4-Dichlorophenol	0.666	0.339	50.9	25.0-120	
2,4-Dimethylphenol	0.666	0.463	69.5	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.369	55.4	16.0-120	
2,4-Dinitrophenol	0.666	0.262	39.3	10.0-120	
2-Nitrophenol	0.666	0.376	56.5	20.0-120	
4-Nitrophenol	0.666	0.428	64.3	27.0-120	
Pentachlorophenol	0.666	0.339	50.9	29.0-120	
Phenol	0.666	0.403	60.5	28.0-120	
2,4,6-Trichlorophenol	0.666	0.407	61.1	37.0-120	
<i>(S) 2-Fluorophenol</i>			61.9	12.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4021294-1 01/08/24 14:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			60.7	10.0-120	
(S) Nitrobenzene-d5			43.5	10.0-122	
(S) 2-Fluorobiphenyl			58.3	15.0-120	
(S) 2,4,6-Tribromophenol			59.8	10.0-127	
(S) p-Terphenyl-d14			62.8	10.0-120	

L1693674-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693674-12 01/08/24 19:16 • (MS) R4021294-3 01/08/24 19:36 • (MSD) R4021294-4 01/08/24 19:56

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	0.780	ND	0.405	0.418	50.2	51.9	1	18.0-120			3.19	32
Acenaphthylene	0.780	ND	0.400	0.418	51.2	53.5	1	25.0-120			4.38	32
Anthracene	0.780	ND	0.409	0.450	49.6	54.8	1	22.0-120			9.44	29
Benzidine	1.56	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(a)anthracene	0.780	0.161	0.484	0.585	41.4	54.3	1	25.0-120			18.8	29
Benzo(b)fluoranthene	0.780	0.315	0.589	0.737	35.2	54.1	1	19.0-122			22.3	31
Benzo(k)fluoranthene	0.780	0.0999	0.462	0.574	46.4	60.7	1	23.0-120			21.7	30
Benzo(g,h,i)perylene	0.780	0.0940	0.301	0.284	26.5	24.3	1	10.0-120			5.71	33
Benzo(a)pyrene	0.780	0.193	0.505	0.604	39.9	52.6	1	24.0-120			17.9	30
Bis(2-chloroethoxy)methane	0.780	ND	ND	ND	45.0	44.6	1	10.0-120			0.683	34
Bis(2-chloroethyl)ether	0.780	ND	0.592	0.624	75.8	80.0	1	10.0-120			5.30	40
2,2-Oxybis(1-Chloropropane)	0.780	ND	ND	ND	48.3	47.7	1	10.0-120			1.27	40
4-Bromophenyl-phenylether	0.780	ND	ND	0.401	49.4	51.4	1	27.0-120			3.95	30
2-Chloronaphthalene	0.780	ND	0.382	0.396	48.9	50.8	1	20.0-120			3.68	32
4-Chlorophenyl-phenylether	0.780	ND	0.415	0.439	53.2	56.3	1	24.0-120			5.59	29
Chrysene	0.780	0.171	0.499	0.580	42.0	52.4	1	21.0-120			15.0	29
Dibenz(a,h)anthracene	0.780	ND	0.302	0.291	35.8	34.4	1	10.0-120			3.62	32
3,3-Dichlorobenzidine	1.56	ND	ND	ND	10.2	14.5	1	10.0-120		J3	35.3	34
2,4-Dinitrotoluene	0.780	ND	0.469	0.477	60.1	61.2	1	30.0-120			1.77	31
2,6-Dinitrotoluene	0.780	ND	0.441	0.451	56.6	57.8	1	25.0-120			2.14	31
Fluoranthene	0.780	0.463	0.609	0.742	18.7	35.8	1	18.0-126			19.8	32
Fluorene	0.780	ND	0.402	0.428	49.8	53.1	1	25.0-120			6.32	30
Hexachlorobenzene	0.780	ND	ND	0.402	48.9	51.5	1	27.0-120			5.18	28
Hexachloro-1,3-butadiene	0.780	ND	ND	ND	42.4	42.2	1	10.0-120			0.362	38
Hexachlorocyclopentadiene	0.780	ND	ND	ND	9.79	6.97	1	10.0-120	J6	J6	33.6	40
Hexachloroethane	0.780	ND	ND	ND	32.0	31.7	1	10.0-120			0.962	40
Indeno(1,2,3-cd)pyrene	0.780	0.107	0.310	0.301	26.0	24.8	1	10.0-120			3.12	32
Isophorone	0.780	ND	ND	ND	43.1	43.1	1	13.0-120			0.000	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1693674-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693674-12 01/08/24 19:16 • (MS) R4021294-3 01/08/24 19:36 • (MSD) R4021294-4 01/08/24 19:56

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	0.780	ND	0.326	0.333	39.9	40.8	1	10.0-120			2.17	35
Nitrobenzene	0.780	ND	ND	ND	40.8	41.1	1	10.0-120			0.746	36
n-Nitrosodimethylamine	0.780	ND	ND	ND	39.3	37.3	1	10.0-127			5.19	40
n-Nitrosodiphenylamine	0.780	ND	ND	ND	39.4	43.0	1	17.0-120			8.53	29
n-Nitrosodi-n-propylamine	0.780	ND	0.397	0.397	50.9	50.9	1	10.0-120			0.000	37
Phenanthrene	0.780	0.228	0.481	0.557	32.4	42.2	1	17.0-120			14.7	31
Benzylbutyl phthalate	0.780	ND	0.430	0.483	55.0	61.9	1	23.0-120			11.8	30
Bis(2-ethylhexyl)phthalate	0.780	ND	0.439	0.493	56.3	63.1	1	17.0-126			11.5	30
Di-n-butyl phthalate	0.780	ND	ND	0.427	50.6	54.7	1	30.0-120			7.84	29
Diethyl phthalate	0.780	ND	0.431	0.455	55.2	58.3	1	26.0-120			5.39	28
Dimethyl phthalate	0.780	ND	0.412	0.421	52.8	54.0	1	25.0-120			2.29	29
Di-n-octyl phthalate	0.780	ND	0.459	0.505	58.9	64.7	1	21.0-123			9.41	29
Pyrene	0.780	0.358	0.576	0.708	28.0	44.8	1	16.0-121			20.4	32
1,2,4-Trichlorobenzene	0.780	ND	ND	ND	42.8	44.5	1	12.0-120			3.85	37
4-Chloro-3-methylphenol	0.780	ND	ND	ND	44.0	45.7	1	15.0-120			3.75	30
2-Chlorophenol	0.780	ND	ND	0.399	50.6	51.1	1	15.0-120			0.902	37
2,4-Dichlorophenol	0.780	ND	ND	ND	45.6	47.4	1	20.0-120			3.95	31
2,4-Dimethylphenol	0.780	ND	ND	0.400	46.3	51.2	1	10.0-120			10.0	33
4,6-Dinitro-2-methylphenol	0.780	ND	0.401	ND	51.4	48.3	1	10.0-120			6.13	39
2,4-Dinitrophenol	0.780	ND	0.444	0.432	56.9	55.4	1	10.0-121			2.72	40
2-Nitrophenol	0.780	ND	ND	ND	50.8	50.8	1	12.0-120			0.000	39
4-Nitrophenol	0.780	ND	0.505	0.514	64.7	65.9	1	10.0-137			1.87	32
Pentachlorophenol	0.780	ND	0.428	0.455	54.9	58.3	1	10.0-160			5.95	31
Phenol	0.780	ND	ND	0.400	50.3	51.2	1	12.0-120			1.81	38
2,4,6-Trichlorophenol	0.780	ND	0.431	0.446	55.2	57.2	1	19.0-120			3.54	32
(S) 2-Fluorophenol					49.8	55.0		12.0-120				
(S) Phenol-d5					48.2	52.9		10.0-120				
(S) Nitrobenzene-d5					36.7	39.1		10.0-122				
(S) 2-Fluorobiphenyl					45.0	51.7		15.0-120				
(S) 2,4,6-Tribromophenol					46.9	56.9		10.0-127				
(S) p-Terphenyl-d14					45.0	58.4		10.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

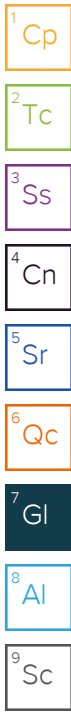
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
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.



GLOSSARY OF TERMS

Qualifier	Description	
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.	¹ Cp
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.	² Tc
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.	³ Ss
V	The sample concentration is too high to evaluate accurate spike recoveries.	⁴ Cn
		⁵ Sr
		⁶ Qc
		⁷ Gl
		⁸ Al
		⁹ Sc

ACCREDITATIONS & LOCATIONS

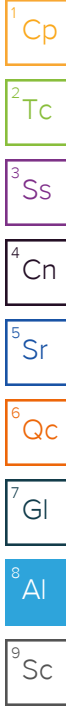
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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	LA000356
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@concurrency.com)

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 **(C)**

Phone: **919-872-2660**

Client Project #
23050630

Lab Project #
SMERLNC-NORTHGATE

Collected by (print):
Chelsea Parra

Site/Facility ID #

P.O. #

Collected by (signature):
CP
 Immediately Packed on Ice N Y

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 20zClr-NoPres	SPLP/TCLP 40zClr-NoPres	SV8270, IS 40zClr-NoPres	V8260 40ml/Amb-HCl-BIK	V8260 40ml/Amb/MeOH10ml/Syr	SV06s 8270	18 Metals 6020	Hex. Chrom. 7471	Hex. Chrom. 7199
825-SB-86	C	SS	0-1	1/4/24	1110	4	X	X	X	X	X	X	X	X	X
825-SB-87		SS			1115	4	X	X	X	X	X	X	X	X	X
825-SB-88		SS			1120	4	X	X	X	X	X	X	X	X	X
825-SB-89		SS			1125	4	X	X	X	X	X	X	X	X	X
825-SB-90		SS			1025	4	X	X	X	X	X	X	X	X	X
825-SB-91		SS			1030	4	X	X	X	X	X	X	X	X	X
825-SB-92		SS			1000	4	X	X	X	X	X	X	X	X	X
825-SB-93		SS			1005	4	X	X	X	X	X	X	X	X	X
825-SB-94		SS			1155	4	X	X	X	X	X	X	X	X	X
825-SB-95		SS			1200	4	X	X	X	X	X	X	X	X	X

Analysis / Container / Preservative															Chain of Custody	Page 1 of 2
Metals 20zClr-NoPres SPLP/TCLP 40zClr-NoPres SV8270, IS 40zClr-NoPres V8260 40ml/Amb-HCl-BIK V8260 40ml/Amb/MeOH10ml/Syr SV06s 8270 18 Metals 6020 Hex. Chrom. 7471 Hex. Chrom. 7199															 PACE PEDESTAL ADVANCING SCIENCE	
															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 # 169367 A051															Acctnum: SMERLNC Template: T243915 Prelogin: P1044755 PM: 034 - Craig Cothron PB: Shipped Via: FedEX Ground	
Remarks Sample # (lab only)															-01 -02 -03 -04 -05 -06 -07 -08 -09 -10	

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
SPLP / TCLP on hold

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via:
 UPS FedEx Courier

Tracking # **7155 0298 2286**

Sample Receipt Checklist

COC Seal Present/Intact: NP 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) *CP* Date: **1/4/24** Time: **1530**

Received by: (Signature) _____ Trip Blank Received: Yes No
 HCL MeOH
 TBR

Relinquished by: (Signature) _____ Date: _____ Time: _____

Received by: (Signature) _____ Temp: **60.8** °C Bottles Received: **1740:17**

Relinquished by: (Signature) _____ Date: _____ Time: _____

Received for lab by: (Signature) _____ Date: **1-5-24** Time: **9:06**

Hold: _____ Condition: **NCF 10K**

If preservation required by Login: Date/Time

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@concurrency.com)

Pres
 Chk

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 **E**

Phone: **919-872-2660**

Client Project #
23050630

Lab Project #
SMERLNC-NORTHGATE

Collected by (print):
Chelsea Parra

Site/Facility ID #

P.O. #

Collected by (signature):
CP
 Immediately Packed on Ice N Y

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

Analysis / Container / Preservative									
Metals 2ozClr-NoPres	SPLP/TCLP GOLD 4ozClr-NoPres	SV8270, TS 4ozClr-NoPres	V8260 40mIAmb-HCl-Blk	V8260 40mIAmb/MeOH10ml/Syr	SV06S 8270	18 Metals 6020	Mercury 7471	Hex. Chrom. 7199	
X	X	X		X					
X	X	X		X					
X	X	X		X					
X	X	X	X	X					
X	X	X		X					
X	X	X		X					
X	X	X		X					
X	X	X		X					
X	X	X		X					

Chain of Custody Page 2 of 2

 PEOPLE ADVANCING SCIENCE
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 # **1693674**
 Table #
 Acctnum: **SMERLNC**
 Template: **T243915**
 Prelogin: **P1044755**
 PM: **034 - Craig Cothron**
 PB:

Shipped Via: **FedEx Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Metals 2ozClr-NoPres	SPLP/TCLP GOLD 4ozClr-NoPres	SV8270, TS 4ozClr-NoPres	V8260 40mIAmb-HCl-Blk	V8260 40mIAmb/MeOH10ml/Syr	SV06S 8270	18 Metals 6020	Mercury 7471	Hex. Chrom. 7199	Remarks	Sample # (lab only)
825-SB-96	C	SS	0-1	11/4/24	1205	4	X	X	X		X						11
825-SB-97	↓	SS	↓	↓	1210	4	X	X	X		X						12
825-SB-98	↓	SS	↓	↓	1215	4	X	X	X		X						13
Trip Blank		SS ^{GW}				4	X	X	X	X	X						14
		SS				4	X	X	X		X						
		SS				4	X	X	X		X						
		SS				4	X	X	X		X						
		SS				4	X	X	X		X						
		SS				4	X	X	X		X						

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: **SPLP/TCLP on hold**
 pH _____ Temp _____
 Flow _____ Other _____
 Samples returned via:
 UPS FedEx Courier
 Tracking # **7155 0298 2286**

Sample Receipt Checklist
 COC Seal Present/Intact: 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)
CP

Date: **11/4/24**
 Time: **1530**

Received by: (Signature)
 Trip Blank Received: Yes No
 HCl/MeOH
 TBR

Temp: **CC98 °C**
 Bottles Received: **740:7**

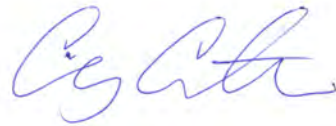
If preservation required by Login: Date/Time
 Date: **1-5-24** Time: **9:00**
 Condition: **NCF / OK**

S&ME Inc. - Raleigh NC

Sample Delivery Group: L1693895
Samples Received: 01/06/2024
Project Number: 23050630
Description: Northgate Park

Report To: Mr. Jerry Paul
3201 Spring Forest Road
Raleigh, NC 27616

Entire Report Reviewed By:



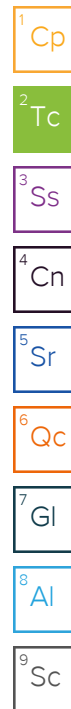
Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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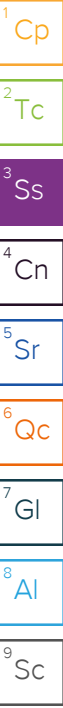


SAMPLE SUMMARY

825-SB-119 L1693895-01 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 11:30
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202922	1	01/08/24 14:31	01/08/24 14:36	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202754	1	01/08/24 08:42	01/09/24 09:53	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202629	1	01/07/24 12:09	01/07/24 18:07	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202531	10	01/07/24 23:05	01/12/24 15:06	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202531	5	01/07/24 23:05	01/12/24 13:30	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1.03	01/05/24 11:30	01/10/24 20:28	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203320	2	01/10/24 07:54	01/11/24 02:20	AMS	Mt. Juliet, TN



825-SB-120 L1693895-02 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 09:55
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202922	1	01/08/24 14:31	01/08/24 14:36	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202754	1	01/08/24 08:42	01/09/24 09:59	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202629	1	01/07/24 12:09	01/07/24 18:10	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202531	5	01/07/24 23:05	01/12/24 13:34	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202531	5	01/07/24 23:05	01/12/24 15:09	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1	01/05/24 09:55	01/10/24 20:47	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203320	1	01/10/24 07:54	01/11/24 01:31	AMS	Mt. Juliet, TN

825-SB-121 L1693895-03 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 10:00
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202922	1	01/08/24 14:31	01/08/24 14:36	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202754	1	01/08/24 08:42	01/09/24 10:11	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202629	1	01/07/24 12:09	01/07/24 18:12	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202531	10	01/07/24 23:05	01/12/24 15:12	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202531	5	01/07/24 23:05	01/12/24 13:37	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1	01/05/24 10:00	01/10/24 21:06	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203320	1	01/10/24 07:54	01/11/24 01:56	AMS	Mt. Juliet, TN

825-SB-122 L1693895-04 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 11:40
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202922	1	01/08/24 14:31	01/08/24 14:36	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202754	1	01/08/24 08:42	01/09/24 10:30	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202629	1	01/07/24 12:09	01/07/24 18:15	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202531	5	01/07/24 23:05	01/12/24 11:48	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202531	5	01/07/24 23:05	01/12/24 15:16	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1	01/05/24 11:40	01/10/24 21:25	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203320	2	01/10/24 07:54	01/11/24 02:45	AMS	Mt. Juliet, TN

825-SB-123 L1693895-05 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 11:45
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202922	1	01/08/24 14:31	01/08/24 14:36	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202754	1	01/08/24 08:42	01/09/24 10:36	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202629	1	01/07/24 12:09	01/07/24 18:17	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202531	5	01/07/24 23:05	01/12/24 13:40	SJM	Mt. Juliet, TN

SAMPLE SUMMARY

825-SB-123 L1693895-05 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 11:45
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2202531	5	01/07/24 23:05	01/12/24 15:19	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1	01/05/24 11:45	01/10/24 21:44	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203320	1	01/10/24 07:54	01/11/24 01:07	AMS	Mt. Juliet, TN



825-SB-124 L1693895-06 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 11:50
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202922	1	01/08/24 14:31	01/08/24 14:36	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202754	1	01/08/24 08:42	01/09/24 11:07	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202629	1	01/07/24 12:09	01/07/24 18:28	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202531	10	01/07/24 23:05	01/12/24 15:22	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202531	5	01/07/24 23:05	01/12/24 13:44	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1	01/05/24 11:50	01/10/24 22:03	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2204993	2	01/11/24 13:51	01/19/24 23:32	AMS	Mt. Juliet, TN

825-SB-125 L1693895-07 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 11:55
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202922	1	01/08/24 14:31	01/08/24 14:36	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202754	1	01/08/24 08:42	01/09/24 11:13	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202629	1	01/07/24 12:09	01/07/24 18:30	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202530	5	01/07/24 23:37	01/24/24 12:07	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1	01/05/24 11:55	01/10/24 22:22	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203754	2	01/10/24 07:51	01/10/24 22:33	JCH	Mt. Juliet, TN

825-SB-126 L1693895-08 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 10:05
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202922	1	01/08/24 14:31	01/08/24 14:36	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202754	1	01/08/24 08:42	01/09/24 11:19	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202629	1	01/07/24 12:09	01/07/24 18:33	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202530	5	01/07/24 23:37	01/24/24 12:11	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1	01/05/24 10:05	01/10/24 22:41	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203754	1	01/10/24 07:51	01/10/24 18:32	JCH	Mt. Juliet, TN

825-SB-127 L1693895-09 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 10:10
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2202922	1	01/08/24 14:31	01/08/24 14:36	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2202754	1	01/08/24 08:42	01/09/24 11:26	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2202629	1	01/07/24 12:09	01/07/24 18:35	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202531	10	01/07/24 23:05	01/12/24 15:26	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2202531	5	01/07/24 23:05	01/12/24 13:47	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1.05	01/05/24 10:10	01/10/24 23:00	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203754	2	01/10/24 07:51	01/10/24 20:57	JCH	Mt. Juliet, TN

SAMPLE SUMMARY

TRIP BLANK L1693895-10 GW

Collected by
Chelsea Parra

Collected date/time
01/05/24 00:00

Received date/time
01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2202723	1	01/07/24 18:58	01/07/24 18:58	JHH	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

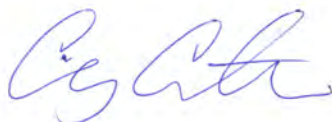
⁷Gl

⁸Al

⁹Sc

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.8		1	01/08/2024 14:36	WG2202922

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.28	1	01/09/2024 09:53	WG2202754

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0514	1	01/07/2024 18:07	WG2202629

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.85	5	01/12/2024 13:30	WG2202531
Arsenic	2.35		1.28	5	01/12/2024 13:30	WG2202531
Barium	98.2		3.21	5	01/12/2024 13:30	WG2202531
Beryllium	ND		3.21	5	01/12/2024 13:30	WG2202531
Cadmium	ND		1.28	5	01/12/2024 13:30	WG2202531
Chromium	31.7		6.42	5	01/12/2024 13:30	WG2202531
Cobalt	11.9		1.28	5	01/12/2024 13:30	WG2202531
Copper	16.9		6.42	5	01/12/2024 13:30	WG2202531
Lead	29.9		2.57	5	01/12/2024 13:30	WG2202531
Manganese	530		6.42	10	01/12/2024 15:06	WG2202531
Nickel	17.6		3.21	5	01/12/2024 13:30	WG2202531
Selenium	ND		3.21	5	01/12/2024 13:30	WG2202531
Silver	ND		0.642	5	01/12/2024 13:30	WG2202531
Thallium	ND		2.57	5	01/12/2024 13:30	WG2202531
Vanadium	38.1		3.21	5	01/12/2024 13:30	WG2202531
Zinc	54.0		32.1	5	01/12/2024 13:30	WG2202531

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0803	1.03	01/10/2024 20:28	WG2204827
Acrylonitrile	ND		0.0201	1.03	01/10/2024 20:28	WG2204827
Benzene	ND		0.00161	1.03	01/10/2024 20:28	WG2204827
Bromobenzene	ND		0.0201	1.03	01/10/2024 20:28	WG2204827
Bromodichloromethane	ND		0.00403	1.03	01/10/2024 20:28	WG2204827
Bromoform	ND		0.0403	1.03	01/10/2024 20:28	WG2204827
Bromomethane	ND	C3	0.0201	1.03	01/10/2024 20:28	WG2204827
n-Butylbenzene	ND		0.0201	1.03	01/10/2024 20:28	WG2204827
sec-Butylbenzene	ND	J3	0.0201	1.03	01/10/2024 20:28	WG2204827
tert-Butylbenzene	ND		0.00803	1.03	01/10/2024 20:28	WG2204827
Carbon tetrachloride	ND		0.00803	1.03	01/10/2024 20:28	WG2204827
Chlorobenzene	ND		0.00403	1.03	01/10/2024 20:28	WG2204827
Chlorodibromomethane	ND		0.00403	1.03	01/10/2024 20:28	WG2204827
Chloroethane	ND	C3	0.00803	1.03	01/10/2024 20:28	WG2204827
Chloroform	ND		0.00403	1.03	01/10/2024 20:28	WG2204827
Chloromethane	ND	C3	0.0201	1.03	01/10/2024 20:28	WG2204827
2-Chlorotoluene	ND		0.00403	1.03	01/10/2024 20:28	WG2204827
4-Chlorotoluene	ND		0.00803	1.03	01/10/2024 20:28	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0403	1.03	01/10/2024 20:28	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00403	1.03	01/10/2024 20:28	WG2204827
Dibromomethane	ND		0.00803	1.03	01/10/2024 20:28	WG2204827
1,2-Dichlorobenzene	ND		0.00803	1.03	01/10/2024 20:28	WG2204827
1,3-Dichlorobenzene	ND		0.00803	1.03	01/10/2024 20:28	WG2204827
1,4-Dichlorobenzene	ND		0.00803	1.03	01/10/2024 20:28	WG2204827
Dichlorodifluoromethane	ND	C3	0.00803	1.03	01/10/2024 20:28	WG2204827
1,1-Dichloroethane	ND		0.00403	1.03	01/10/2024 20:28	WG2204827
1,2-Dichloroethane	ND		0.00403	1.03	01/10/2024 20:28	WG2204827
1,1-Dichloroethene	ND	J3	0.00403	1.03	01/10/2024 20:28	WG2204827
cis-1,2-Dichloroethene	ND		0.00403	1.03	01/10/2024 20:28	WG2204827
trans-1,2-Dichloroethene	ND		0.00803	1.03	01/10/2024 20:28	WG2204827
1,2-Dichloropropane	ND		0.00803	1.03	01/10/2024 20:28	WG2204827
1,1-Dichloropropene	ND	J3	0.00403	1.03	01/10/2024 20:28	WG2204827
1,3-Dichloropropane	ND		0.00803	1.03	01/10/2024 20:28	WG2204827
cis-1,3-Dichloropropene	ND		0.00403	1.03	01/10/2024 20:28	WG2204827
trans-1,3-Dichloropropene	ND		0.00803	1.03	01/10/2024 20:28	WG2204827
2,2-Dichloropropane	ND		0.00403	1.03	01/10/2024 20:28	WG2204827
Di-isopropyl ether	ND		0.00161	1.03	01/10/2024 20:28	WG2204827
Ethylbenzene	ND		0.00403	1.03	01/10/2024 20:28	WG2204827
Hexachloro-1,3-butadiene	ND		0.0403	1.03	01/10/2024 20:28	WG2204827
Isopropylbenzene	ND		0.00403	1.03	01/10/2024 20:28	WG2204827
p-Isopropyltoluene	ND		0.00803	1.03	01/10/2024 20:28	WG2204827
2-Butanone (MEK)	ND		0.161	1.03	01/10/2024 20:28	WG2204827
Methylene Chloride	ND		0.0403	1.03	01/10/2024 20:28	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0403	1.03	01/10/2024 20:28	WG2204827
Methyl tert-butyl ether	ND		0.00161	1.03	01/10/2024 20:28	WG2204827
Naphthalene	ND		0.0201	1.03	01/10/2024 20:28	WG2204827
n-Propylbenzene	ND		0.00803	1.03	01/10/2024 20:28	WG2204827
Styrene	ND		0.0201	1.03	01/10/2024 20:28	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00403	1.03	01/10/2024 20:28	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00403	1.03	01/10/2024 20:28	WG2204827
Tetrachloroethene	ND	J3	0.00403	1.03	01/10/2024 20:28	WG2204827
Toluene	ND		0.00803	1.03	01/10/2024 20:28	WG2204827
1,2,3-Trichlorobenzene	ND		0.0201	1.03	01/10/2024 20:28	WG2204827
1,2,4-Trichlorobenzene	ND		0.0201	1.03	01/10/2024 20:28	WG2204827
1,1,1-Trichloroethane	ND		0.00403	1.03	01/10/2024 20:28	WG2204827
1,1,2-Trichloroethane	ND		0.00403	1.03	01/10/2024 20:28	WG2204827
Trichloroethene	ND		0.00161	1.03	01/10/2024 20:28	WG2204827
Trichlorofluoromethane	ND	C3	0.00403	1.03	01/10/2024 20:28	WG2204827
1,2,3-Trichloropropane	ND		0.0201	1.03	01/10/2024 20:28	WG2204827
1,2,4-Trimethylbenzene	ND		0.00803	1.03	01/10/2024 20:28	WG2204827
1,3,5-Trimethylbenzene	ND		0.00803	1.03	01/10/2024 20:28	WG2204827
Vinyl chloride	ND	C3 J3	0.00403	1.03	01/10/2024 20:28	WG2204827
Xylenes, Total	ND		0.0105	1.03	01/10/2024 20:28	WG2204827
(S) Toluene-d8	99.0		75.0-131		01/10/2024 20:28	WG2204827
(S) 4-Bromofluorobenzene	110		67.0-138		01/10/2024 20:28	WG2204827
(S) 1,2-Dichloroethane-d4	83.3		70.0-130		01/10/2024 20:28	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0856	2	01/11/2024 02:20	WG2203320
Acenaphthylene	ND		0.0856	2	01/11/2024 02:20	WG2203320
Anthracene	ND		0.0856	2	01/11/2024 02:20	WG2203320
Benzidine	ND		4.29	2	01/11/2024 02:20	WG2203320
Benzo(a)anthracene	0.208		0.0856	2	01/11/2024 02:20	WG2203320

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.428		0.0856	2	01/11/2024 02:20	WG2203320
Benzo(k)fluoranthene	0.131		0.0856	2	01/11/2024 02:20	WG2203320
Benzo(g,h,i)perylene	0.189		0.0856	2	01/11/2024 02:20	WG2203320
Benzo(a)pyrene	0.256		0.0856	2	01/11/2024 02:20	WG2203320
Bis(2-chloroethoxy)methane	ND		0.856	2	01/11/2024 02:20	WG2203320
Bis(2-chloroethyl)ether	ND		0.856	2	01/11/2024 02:20	WG2203320
2,2-Oxybis(1-Chloropropane)	ND		0.856	2	01/11/2024 02:20	WG2203320
4-Bromophenyl-phenylether	ND		0.856	2	01/11/2024 02:20	WG2203320
2-Chloronaphthalene	ND		0.0856	2	01/11/2024 02:20	WG2203320
4-Chlorophenyl-phenylether	ND		0.856	2	01/11/2024 02:20	WG2203320
Chrysene	0.244		0.0856	2	01/11/2024 02:20	WG2203320
Dibenz(a,h)anthracene	ND		0.0856	2	01/11/2024 02:20	WG2203320
3,3-Dichlorobenzidine	ND		0.856	2	01/11/2024 02:20	WG2203320
2,4-Dinitrotoluene	ND		0.856	2	01/11/2024 02:20	WG2203320
2,6-Dinitrotoluene	ND		0.856	2	01/11/2024 02:20	WG2203320
Fluoranthene	0.491		0.0856	2	01/11/2024 02:20	WG2203320
Fluorene	ND		0.0856	2	01/11/2024 02:20	WG2203320
Hexachlorobenzene	ND		0.856	2	01/11/2024 02:20	WG2203320
Hexachloro-1,3-butadiene	ND		0.856	2	01/11/2024 02:20	WG2203320
Hexachlorocyclopentadiene	ND		0.856	2	01/11/2024 02:20	WG2203320
Hexachloroethane	ND		0.856	2	01/11/2024 02:20	WG2203320
Indeno(1,2,3-cd)pyrene	0.197		0.0856	2	01/11/2024 02:20	WG2203320
Isophorone	ND		0.856	2	01/11/2024 02:20	WG2203320
Naphthalene	ND		0.0856	2	01/11/2024 02:20	WG2203320
Nitrobenzene	ND		0.856	2	01/11/2024 02:20	WG2203320
n-Nitrosodimethylamine	ND		0.856	2	01/11/2024 02:20	WG2203320
n-Nitrosodiphenylamine	ND		0.856	2	01/11/2024 02:20	WG2203320
n-Nitrosodi-n-propylamine	ND		0.856	2	01/11/2024 02:20	WG2203320
Phenanthrene	0.193		0.0856	2	01/11/2024 02:20	WG2203320
Benzylbutyl phthalate	ND		0.856	2	01/11/2024 02:20	WG2203320
Bis(2-ethylhexyl)phthalate	ND		0.856	2	01/11/2024 02:20	WG2203320
Di-n-butyl phthalate	ND		0.856	2	01/11/2024 02:20	WG2203320
Diethyl phthalate	ND		0.856	2	01/11/2024 02:20	WG2203320
Dimethyl phthalate	ND		0.856	2	01/11/2024 02:20	WG2203320
Di-n-octyl phthalate	ND		0.856	2	01/11/2024 02:20	WG2203320
Pyrene	0.442		0.0856	2	01/11/2024 02:20	WG2203320
1,2,4-Trichlorobenzene	ND		0.856	2	01/11/2024 02:20	WG2203320
4-Chloro-3-methylphenol	ND		0.856	2	01/11/2024 02:20	WG2203320
2-Chlorophenol	ND		0.856	2	01/11/2024 02:20	WG2203320
2,4-Dichlorophenol	ND		0.856	2	01/11/2024 02:20	WG2203320
2,4-Dimethylphenol	ND		0.856	2	01/11/2024 02:20	WG2203320
4,6-Dinitro-2-methylphenol	ND		0.856	2	01/11/2024 02:20	WG2203320
2,4-Dinitrophenol	ND		0.856	2	01/11/2024 02:20	WG2203320
2-Nitrophenol	ND		0.856	2	01/11/2024 02:20	WG2203320
4-Nitrophenol	ND		0.856	2	01/11/2024 02:20	WG2203320
Pentachlorophenol	ND		0.856	2	01/11/2024 02:20	WG2203320
Phenol	ND		0.856	2	01/11/2024 02:20	WG2203320
2,4,6-Trichlorophenol	ND		0.856	2	01/11/2024 02:20	WG2203320
(S) 2-Fluorophenol	80.8		12.0-120		01/11/2024 02:20	WG2203320
(S) Phenol-d5	78.9		10.0-120		01/11/2024 02:20	WG2203320
(S) Nitrobenzene-d5	72.8		10.0-122		01/11/2024 02:20	WG2203320
(S) 2-Fluorobiphenyl	75.5		15.0-120		01/11/2024 02:20	WG2203320
(S) 2,4,6-Tribromophenol	72.2		10.0-127		01/11/2024 02:20	WG2203320
(S) p-Terphenyl-d14	84.3		10.0-120		01/11/2024 02:20	WG2203320

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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L1693895-01 WG2203320: Dilution due to matrix impact during extract concentration procedure.

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	01/08/2024 14:36	WG2202922

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.16	1	01/09/2024 09:59	WG2202754

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0462	1	01/07/2024 18:10	WG2202629

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.47	5	01/12/2024 13:34	WG2202531
Arsenic	1.24		1.16	5	01/12/2024 13:34	WG2202531
Barium	36.9		2.89	5	01/12/2024 13:34	WG2202531
Beryllium	ND		2.89	5	01/12/2024 13:34	WG2202531
Cadmium	ND		1.16	5	01/12/2024 13:34	WG2202531
Chromium	15.6		5.78	5	01/12/2024 13:34	WG2202531
Cobalt	5.62		1.16	5	01/12/2024 13:34	WG2202531
Copper	7.87		5.78	5	01/12/2024 13:34	WG2202531
Lead	14.1		2.31	5	01/12/2024 13:34	WG2202531
Manganese	234		2.89	5	01/12/2024 15:09	WG2202531
Nickel	9.72		2.89	5	01/12/2024 13:34	WG2202531
Selenium	ND		2.89	5	01/12/2024 13:34	WG2202531
Silver	ND		0.578	5	01/12/2024 13:34	WG2202531
Thallium	ND		2.31	5	01/12/2024 13:34	WG2202531
Vanadium	18.8		2.89	5	01/12/2024 13:34	WG2202531
Zinc	37.7		28.9	5	01/12/2024 13:34	WG2202531

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0658	1	01/10/2024 20:47	WG2204827
Acrylonitrile	ND		0.0165	1	01/10/2024 20:47	WG2204827
Benzene	ND		0.00132	1	01/10/2024 20:47	WG2204827
Bromobenzene	ND		0.0165	1	01/10/2024 20:47	WG2204827
Bromodichloromethane	ND		0.00329	1	01/10/2024 20:47	WG2204827
Bromoform	ND		0.0329	1	01/10/2024 20:47	WG2204827
Bromomethane	ND	C3	0.0165	1	01/10/2024 20:47	WG2204827
n-Butylbenzene	ND		0.0165	1	01/10/2024 20:47	WG2204827
sec-Butylbenzene	ND	J3	0.0165	1	01/10/2024 20:47	WG2204827
tert-Butylbenzene	ND		0.00658	1	01/10/2024 20:47	WG2204827
Carbon tetrachloride	ND		0.00658	1	01/10/2024 20:47	WG2204827
Chlorobenzene	ND		0.00329	1	01/10/2024 20:47	WG2204827
Chlorodibromomethane	ND		0.00329	1	01/10/2024 20:47	WG2204827
Chloroethane	ND	C3	0.00658	1	01/10/2024 20:47	WG2204827
Chloroform	ND		0.00329	1	01/10/2024 20:47	WG2204827
Chloromethane	ND	C3	0.0165	1	01/10/2024 20:47	WG2204827
2-Chlorotoluene	ND		0.00329	1	01/10/2024 20:47	WG2204827
4-Chlorotoluene	ND		0.00658	1	01/10/2024 20:47	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0329	1	01/10/2024 20:47	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00329	1	01/10/2024 20:47	WG2204827
Dibromomethane	ND		0.00658	1	01/10/2024 20:47	WG2204827
1,2-Dichlorobenzene	ND		0.00658	1	01/10/2024 20:47	WG2204827
1,3-Dichlorobenzene	ND		0.00658	1	01/10/2024 20:47	WG2204827
1,4-Dichlorobenzene	ND		0.00658	1	01/10/2024 20:47	WG2204827
Dichlorodifluoromethane	ND	C3	0.00658	1	01/10/2024 20:47	WG2204827
1,1-Dichloroethane	ND		0.00329	1	01/10/2024 20:47	WG2204827
1,2-Dichloroethane	ND		0.00329	1	01/10/2024 20:47	WG2204827
1,1-Dichloroethene	ND	J3	0.00329	1	01/10/2024 20:47	WG2204827
cis-1,2-Dichloroethene	ND		0.00329	1	01/10/2024 20:47	WG2204827
trans-1,2-Dichloroethene	ND		0.00658	1	01/10/2024 20:47	WG2204827
1,2-Dichloropropane	ND		0.00658	1	01/10/2024 20:47	WG2204827
1,1-Dichloropropene	ND	J3	0.00329	1	01/10/2024 20:47	WG2204827
1,3-Dichloropropane	ND		0.00658	1	01/10/2024 20:47	WG2204827
cis-1,3-Dichloropropene	ND		0.00329	1	01/10/2024 20:47	WG2204827
trans-1,3-Dichloropropene	ND		0.00658	1	01/10/2024 20:47	WG2204827
2,2-Dichloropropane	ND		0.00329	1	01/10/2024 20:47	WG2204827
Di-isopropyl ether	ND		0.00132	1	01/10/2024 20:47	WG2204827
Ethylbenzene	ND		0.00329	1	01/10/2024 20:47	WG2204827
Hexachloro-1,3-butadiene	ND		0.0329	1	01/10/2024 20:47	WG2204827
Isopropylbenzene	ND		0.00329	1	01/10/2024 20:47	WG2204827
p-Isopropyltoluene	ND		0.00658	1	01/10/2024 20:47	WG2204827
2-Butanone (MEK)	ND		0.132	1	01/10/2024 20:47	WG2204827
Methylene Chloride	ND		0.0329	1	01/10/2024 20:47	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0329	1	01/10/2024 20:47	WG2204827
Methyl tert-butyl ether	ND		0.00132	1	01/10/2024 20:47	WG2204827
Naphthalene	ND		0.0165	1	01/10/2024 20:47	WG2204827
n-Propylbenzene	ND		0.00658	1	01/10/2024 20:47	WG2204827
Styrene	ND		0.0165	1	01/10/2024 20:47	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00329	1	01/10/2024 20:47	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00329	1	01/10/2024 20:47	WG2204827
Tetrachloroethene	ND	J3	0.00329	1	01/10/2024 20:47	WG2204827
Toluene	ND		0.00658	1	01/10/2024 20:47	WG2204827
1,2,3-Trichlorobenzene	ND		0.0165	1	01/10/2024 20:47	WG2204827
1,2,4-Trichlorobenzene	ND		0.0165	1	01/10/2024 20:47	WG2204827
1,1,1-Trichloroethane	ND		0.00329	1	01/10/2024 20:47	WG2204827
1,1,2-Trichloroethane	ND		0.00329	1	01/10/2024 20:47	WG2204827
Trichloroethene	ND		0.00132	1	01/10/2024 20:47	WG2204827
Trichlorofluoromethane	ND	C3	0.00329	1	01/10/2024 20:47	WG2204827
1,2,3-Trichloropropane	ND		0.0165	1	01/10/2024 20:47	WG2204827
1,2,4-Trimethylbenzene	ND		0.00658	1	01/10/2024 20:47	WG2204827
1,3,5-Trimethylbenzene	ND		0.00658	1	01/10/2024 20:47	WG2204827
Vinyl chloride	ND	C3 J3	0.00329	1	01/10/2024 20:47	WG2204827
Xylenes, Total	ND		0.00855	1	01/10/2024 20:47	WG2204827
(S) Toluene-d8	101		75.0-131		01/10/2024 20:47	WG2204827
(S) 4-Bromofluorobenzene	109		67.0-138		01/10/2024 20:47	WG2204827
(S) 1,2-Dichloroethane-d4	86.3		70.0-130		01/10/2024 20:47	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	0.0458		0.0385	1	01/11/2024 01:31	WG2203320
Acenaphthylene	ND		0.0385	1	01/11/2024 01:31	WG2203320
Anthracene	0.199		0.0385	1	01/11/2024 01:31	WG2203320
Benzidine	ND		1.93	1	01/11/2024 01:31	WG2203320
Benzo(a)anthracene	0.484		0.0385	1	01/11/2024 01:31	WG2203320

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.597		0.0385	1	01/11/2024 01:31	WG2203320
Benzo(k)fluoranthene	0.184		0.0385	1	01/11/2024 01:31	WG2203320
Benzo(g,h,i)perylene	0.254		0.0385	1	01/11/2024 01:31	WG2203320
Benzo(a)pyrene	0.440		0.0385	1	01/11/2024 01:31	WG2203320
Bis(2-chloroethoxy)methane	ND		0.385	1	01/11/2024 01:31	WG2203320
Bis(2-chloroethyl)ether	ND		0.385	1	01/11/2024 01:31	WG2203320
2,2-Oxybis(1-Chloropropane)	ND		0.385	1	01/11/2024 01:31	WG2203320
4-Bromophenyl-phenylether	ND		0.385	1	01/11/2024 01:31	WG2203320
2-Chloronaphthalene	ND		0.0385	1	01/11/2024 01:31	WG2203320
4-Chlorophenyl-phenylether	ND		0.385	1	01/11/2024 01:31	WG2203320
Chrysene	0.489		0.0385	1	01/11/2024 01:31	WG2203320
Dibenz(a,h)anthracene	0.0629		0.0385	1	01/11/2024 01:31	WG2203320
3,3-Dichlorobenzidine	ND		0.385	1	01/11/2024 01:31	WG2203320
2,4-Dinitrotoluene	ND		0.385	1	01/11/2024 01:31	WG2203320
2,6-Dinitrotoluene	ND		0.385	1	01/11/2024 01:31	WG2203320
Fluoranthene	1.10		0.0385	1	01/11/2024 01:31	WG2203320
Fluorene	0.0802		0.0385	1	01/11/2024 01:31	WG2203320
Hexachlorobenzene	ND		0.385	1	01/11/2024 01:31	WG2203320
Hexachloro-1,3-butadiene	ND		0.385	1	01/11/2024 01:31	WG2203320
Hexachlorocyclopentadiene	ND		0.385	1	01/11/2024 01:31	WG2203320
Hexachloroethane	ND		0.385	1	01/11/2024 01:31	WG2203320
Indeno(1,2,3-cd)pyrene	0.262		0.0385	1	01/11/2024 01:31	WG2203320
Isophorone	ND		0.385	1	01/11/2024 01:31	WG2203320
Naphthalene	ND		0.0385	1	01/11/2024 01:31	WG2203320
Nitrobenzene	ND		0.385	1	01/11/2024 01:31	WG2203320
n-Nitrosodimethylamine	ND		0.385	1	01/11/2024 01:31	WG2203320
n-Nitrosodiphenylamine	ND		0.385	1	01/11/2024 01:31	WG2203320
n-Nitrosodi-n-propylamine	ND		0.385	1	01/11/2024 01:31	WG2203320
Phenanthrene	0.855		0.0385	1	01/11/2024 01:31	WG2203320
Benzylbutyl phthalate	ND		0.385	1	01/11/2024 01:31	WG2203320
Bis(2-ethylhexyl)phthalate	ND		0.385	1	01/11/2024 01:31	WG2203320
Di-n-butyl phthalate	ND		0.385	1	01/11/2024 01:31	WG2203320
Diethyl phthalate	ND		0.385	1	01/11/2024 01:31	WG2203320
Dimethyl phthalate	ND		0.385	1	01/11/2024 01:31	WG2203320
Di-n-octyl phthalate	ND		0.385	1	01/11/2024 01:31	WG2203320
Pyrene	0.995		0.0385	1	01/11/2024 01:31	WG2203320
1,2,4-Trichlorobenzene	ND		0.385	1	01/11/2024 01:31	WG2203320
4-Chloro-3-methylphenol	ND		0.385	1	01/11/2024 01:31	WG2203320
2-Chlorophenol	ND		0.385	1	01/11/2024 01:31	WG2203320
2,4-Dichlorophenol	ND		0.385	1	01/11/2024 01:31	WG2203320
2,4-Dimethylphenol	ND		0.385	1	01/11/2024 01:31	WG2203320
4,6-Dinitro-2-methylphenol	ND		0.385	1	01/11/2024 01:31	WG2203320
2,4-Dinitrophenol	ND		0.385	1	01/11/2024 01:31	WG2203320
2-Nitrophenol	ND		0.385	1	01/11/2024 01:31	WG2203320
4-Nitrophenol	ND		0.385	1	01/11/2024 01:31	WG2203320
Pentachlorophenol	ND		0.385	1	01/11/2024 01:31	WG2203320
Phenol	ND		0.385	1	01/11/2024 01:31	WG2203320
2,4,6-Trichlorophenol	ND		0.385	1	01/11/2024 01:31	WG2203320
(S) 2-Fluorophenol	72.6		12.0-120		01/11/2024 01:31	WG2203320
(S) Phenol-d5	73.6		10.0-120		01/11/2024 01:31	WG2203320
(S) Nitrobenzene-d5	68.5		10.0-122		01/11/2024 01:31	WG2203320
(S) 2-Fluorobiphenyl	68.2		15.0-120		01/11/2024 01:31	WG2203320
(S) 2,4,6-Tribromophenol	70.5		10.0-127		01/11/2024 01:31	WG2203320
(S) p-Terphenyl-d14	76.4		10.0-120		01/11/2024 01:31	WG2203320

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	77.7		1	01/08/2024 14:36	WG2202922

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	1.49		1.29	1	01/09/2024 10:11	WG2202754

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	0.0578		0.0515	1	01/07/2024 18:12	WG2202629

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		3.86	5	01/12/2024 13:37	WG2202531
Arsenic	3.40		1.29	5	01/12/2024 13:37	WG2202531
Barium	103		3.22	5	01/12/2024 13:37	WG2202531
Beryllium	ND		3.22	5	01/12/2024 13:37	WG2202531
Cadmium	ND		1.29	5	01/12/2024 13:37	WG2202531
Chromium	35.1		6.44	5	01/12/2024 13:37	WG2202531
Cobalt	13.6		1.29	5	01/12/2024 13:37	WG2202531
Copper	21.7		6.44	5	01/12/2024 13:37	WG2202531
Lead	44.8		2.57	5	01/12/2024 13:37	WG2202531
Manganese	738		6.44	10	01/12/2024 15:12	WG2202531
Nickel	20.0		3.22	5	01/12/2024 13:37	WG2202531
Selenium	ND		3.22	5	01/12/2024 13:37	WG2202531
Silver	ND		0.644	5	01/12/2024 13:37	WG2202531
Thallium	ND		2.57	5	01/12/2024 13:37	WG2202531
Vanadium	44.8		3.22	5	01/12/2024 13:37	WG2202531
Zinc	60.4		32.2	5	01/12/2024 13:37	WG2202531

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND	C3	0.0793	1	01/10/2024 21:06	WG2204827
Acrylonitrile	ND		0.0198	1	01/10/2024 21:06	WG2204827
Benzene	ND		0.00159	1	01/10/2024 21:06	WG2204827
Bromobenzene	ND		0.0198	1	01/10/2024 21:06	WG2204827
Bromodichloromethane	ND		0.00397	1	01/10/2024 21:06	WG2204827
Bromoform	ND		0.0397	1	01/10/2024 21:06	WG2204827
Bromomethane	ND	C3	0.0198	1	01/10/2024 21:06	WG2204827
n-Butylbenzene	ND		0.0198	1	01/10/2024 21:06	WG2204827
sec-Butylbenzene	ND	J3	0.0198	1	01/10/2024 21:06	WG2204827
tert-Butylbenzene	ND		0.00793	1	01/10/2024 21:06	WG2204827
Carbon tetrachloride	ND		0.00793	1	01/10/2024 21:06	WG2204827
Chlorobenzene	ND		0.00397	1	01/10/2024 21:06	WG2204827
Chlorodibromomethane	ND		0.00397	1	01/10/2024 21:06	WG2204827
Chloroethane	ND	C3	0.00793	1	01/10/2024 21:06	WG2204827
Chloroform	ND		0.00397	1	01/10/2024 21:06	WG2204827
Chloromethane	ND	C3	0.0198	1	01/10/2024 21:06	WG2204827
2-Chlorotoluene	ND		0.00397	1	01/10/2024 21:06	WG2204827
4-Chlorotoluene	ND		0.00793	1	01/10/2024 21:06	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0397	1	01/10/2024 21:06	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00397	1	01/10/2024 21:06	WG2204827
Dibromomethane	ND		0.00793	1	01/10/2024 21:06	WG2204827
1,2-Dichlorobenzene	ND		0.00793	1	01/10/2024 21:06	WG2204827
1,3-Dichlorobenzene	ND		0.00793	1	01/10/2024 21:06	WG2204827
1,4-Dichlorobenzene	ND		0.00793	1	01/10/2024 21:06	WG2204827
Dichlorodifluoromethane	ND	C3	0.00793	1	01/10/2024 21:06	WG2204827
1,1-Dichloroethane	ND		0.00397	1	01/10/2024 21:06	WG2204827
1,2-Dichloroethane	ND		0.00397	1	01/10/2024 21:06	WG2204827
1,1-Dichloroethene	ND	J3	0.00397	1	01/10/2024 21:06	WG2204827
cis-1,2-Dichloroethene	ND		0.00397	1	01/10/2024 21:06	WG2204827
trans-1,2-Dichloroethene	ND		0.00793	1	01/10/2024 21:06	WG2204827
1,2-Dichloropropane	ND		0.00793	1	01/10/2024 21:06	WG2204827
1,1-Dichloropropene	ND	J3	0.00397	1	01/10/2024 21:06	WG2204827
1,3-Dichloropropane	ND		0.00793	1	01/10/2024 21:06	WG2204827
cis-1,3-Dichloropropene	ND		0.00397	1	01/10/2024 21:06	WG2204827
trans-1,3-Dichloropropene	ND		0.00793	1	01/10/2024 21:06	WG2204827
2,2-Dichloropropane	ND		0.00397	1	01/10/2024 21:06	WG2204827
Di-isopropyl ether	ND		0.00159	1	01/10/2024 21:06	WG2204827
Ethylbenzene	ND		0.00397	1	01/10/2024 21:06	WG2204827
Hexachloro-1,3-butadiene	ND		0.0397	1	01/10/2024 21:06	WG2204827
Isopropylbenzene	ND		0.00397	1	01/10/2024 21:06	WG2204827
p-Isopropyltoluene	ND		0.00793	1	01/10/2024 21:06	WG2204827
2-Butanone (MEK)	ND		0.159	1	01/10/2024 21:06	WG2204827
Methylene Chloride	ND		0.0397	1	01/10/2024 21:06	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0397	1	01/10/2024 21:06	WG2204827
Methyl tert-butyl ether	ND		0.00159	1	01/10/2024 21:06	WG2204827
Naphthalene	ND		0.0198	1	01/10/2024 21:06	WG2204827
n-Propylbenzene	ND		0.00793	1	01/10/2024 21:06	WG2204827
Styrene	0.0233		0.0198	1	01/10/2024 21:06	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00397	1	01/10/2024 21:06	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00397	1	01/10/2024 21:06	WG2204827
Tetrachloroethene	ND	J3	0.00397	1	01/10/2024 21:06	WG2204827
Toluene	ND		0.00793	1	01/10/2024 21:06	WG2204827
1,2,3-Trichlorobenzene	ND		0.0198	1	01/10/2024 21:06	WG2204827
1,2,4-Trichlorobenzene	ND		0.0198	1	01/10/2024 21:06	WG2204827
1,1,1-Trichloroethane	ND		0.00397	1	01/10/2024 21:06	WG2204827
1,1,2-Trichloroethane	ND		0.00397	1	01/10/2024 21:06	WG2204827
Trichloroethene	ND		0.00159	1	01/10/2024 21:06	WG2204827
Trichlorofluoromethane	ND	C3	0.00397	1	01/10/2024 21:06	WG2204827
1,2,3-Trichloropropane	ND		0.0198	1	01/10/2024 21:06	WG2204827
1,2,4-Trimethylbenzene	ND		0.00793	1	01/10/2024 21:06	WG2204827
1,3,5-Trimethylbenzene	ND		0.00793	1	01/10/2024 21:06	WG2204827
Vinyl chloride	ND	C3 J3	0.00397	1	01/10/2024 21:06	WG2204827
Xylenes, Total	ND		0.0103	1	01/10/2024 21:06	WG2204827
(S) Toluene-d8	99.7		75.0-131		01/10/2024 21:06	WG2204827
(S) 4-Bromofluorobenzene	113		67.0-138		01/10/2024 21:06	WG2204827
(S) 1,2-Dichloroethane-d4	88.6		70.0-130		01/10/2024 21:06	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0429	1	01/11/2024 01:56	WG2203320
Acenaphthylene	ND		0.0429	1	01/11/2024 01:56	WG2203320
Anthracene	0.0527		0.0429	1	01/11/2024 01:56	WG2203320
Benzidine	ND		2.15	1	01/11/2024 01:56	WG2203320
Benzo(a)anthracene	0.266		0.0429	1	01/11/2024 01:56	WG2203320

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.395		0.0429	1	01/11/2024 01:56	WG2203320
Benzo(k)fluoranthene	0.120		0.0429	1	01/11/2024 01:56	WG2203320
Benzo(g,h,i)perylene	0.157		0.0429	1	01/11/2024 01:56	WG2203320
Benzo(a)pyrene	0.279		0.0429	1	01/11/2024 01:56	WG2203320
Bis(2-chloroethoxy)methane	ND		0.429	1	01/11/2024 01:56	WG2203320
Bis(2-chloroethyl)ether	ND		0.429	1	01/11/2024 01:56	WG2203320
2,2-Oxybis(1-Chloropropane)	ND		0.429	1	01/11/2024 01:56	WG2203320
4-Bromophenyl-phenylether	ND		0.429	1	01/11/2024 01:56	WG2203320
2-Chloronaphthalene	ND		0.0429	1	01/11/2024 01:56	WG2203320
4-Chlorophenyl-phenylether	ND		0.429	1	01/11/2024 01:56	WG2203320
Chrysene	0.317		0.0429	1	01/11/2024 01:56	WG2203320
Dibenz(a,h)anthracene	ND		0.0429	1	01/11/2024 01:56	WG2203320
3,3-Dichlorobenzidine	ND		0.429	1	01/11/2024 01:56	WG2203320
2,4-Dinitrotoluene	ND		0.429	1	01/11/2024 01:56	WG2203320
2,6-Dinitrotoluene	ND		0.429	1	01/11/2024 01:56	WG2203320
Fluoranthene	0.591		0.0429	1	01/11/2024 01:56	WG2203320
Fluorene	ND		0.0429	1	01/11/2024 01:56	WG2203320
Hexachlorobenzene	ND		0.429	1	01/11/2024 01:56	WG2203320
Hexachloro-1,3-butadiene	ND		0.429	1	01/11/2024 01:56	WG2203320
Hexachlorocyclopentadiene	ND		0.429	1	01/11/2024 01:56	WG2203320
Hexachloroethane	ND		0.429	1	01/11/2024 01:56	WG2203320
Indeno(1,2,3-cd)pyrene	0.157		0.0429	1	01/11/2024 01:56	WG2203320
Isophorone	ND		0.429	1	01/11/2024 01:56	WG2203320
Naphthalene	ND		0.0429	1	01/11/2024 01:56	WG2203320
Nitrobenzene	ND		0.429	1	01/11/2024 01:56	WG2203320
n-Nitrosodimethylamine	ND		0.429	1	01/11/2024 01:56	WG2203320
n-Nitrosodiphenylamine	ND		0.429	1	01/11/2024 01:56	WG2203320
n-Nitrosodi-n-propylamine	ND		0.429	1	01/11/2024 01:56	WG2203320
Phenanthrene	0.324		0.0429	1	01/11/2024 01:56	WG2203320
Benzylbutyl phthalate	ND		0.429	1	01/11/2024 01:56	WG2203320
Bis(2-ethylhexyl)phthalate	ND		0.429	1	01/11/2024 01:56	WG2203320
Di-n-butyl phthalate	ND		0.429	1	01/11/2024 01:56	WG2203320
Diethyl phthalate	ND		0.429	1	01/11/2024 01:56	WG2203320
Dimethyl phthalate	ND		0.429	1	01/11/2024 01:56	WG2203320
Di-n-octyl phthalate	ND		0.429	1	01/11/2024 01:56	WG2203320
Pyrene	0.570		0.0429	1	01/11/2024 01:56	WG2203320
1,2,4-Trichlorobenzene	ND		0.429	1	01/11/2024 01:56	WG2203320
4-Chloro-3-methylphenol	ND		0.429	1	01/11/2024 01:56	WG2203320
2-Chlorophenol	ND		0.429	1	01/11/2024 01:56	WG2203320
2,4-Dichlorophenol	ND		0.429	1	01/11/2024 01:56	WG2203320
2,4-Dimethylphenol	ND		0.429	1	01/11/2024 01:56	WG2203320
4,6-Dinitro-2-methylphenol	ND		0.429	1	01/11/2024 01:56	WG2203320
2,4-Dinitrophenol	ND		0.429	1	01/11/2024 01:56	WG2203320
2-Nitrophenol	ND		0.429	1	01/11/2024 01:56	WG2203320
4-Nitrophenol	ND		0.429	1	01/11/2024 01:56	WG2203320
Pentachlorophenol	ND		0.429	1	01/11/2024 01:56	WG2203320
Phenol	ND		0.429	1	01/11/2024 01:56	WG2203320
2,4,6-Trichlorophenol	ND		0.429	1	01/11/2024 01:56	WG2203320
(S) 2-Fluorophenol	75.1		12.0-120		01/11/2024 01:56	WG2203320
(S) Phenol-d5	75.7		10.0-120		01/11/2024 01:56	WG2203320
(S) Nitrobenzene-d5	71.5		10.0-122		01/11/2024 01:56	WG2203320
(S) 2-Fluorobiphenyl	72.4		15.0-120		01/11/2024 01:56	WG2203320
(S) 2,4,6-Tribromophenol	67.0		10.0-127		01/11/2024 01:56	WG2203320
(S) p-Terphenyl-d14	80.8		10.0-120		01/11/2024 01:56	WG2203320

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.0		1	01/08/2024 14:36	WG2202922

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.20	1	01/09/2024 10:30	WG2202754

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0482	1	01/07/2024 18:15	WG2202629

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.61	5	01/12/2024 11:48	WG2202531
Arsenic	1.34		1.20	5	01/12/2024 11:48	WG2202531
Barium	59.0		3.01	5	01/12/2024 11:48	WG2202531
Beryllium	ND		3.01	5	01/12/2024 11:48	WG2202531
Cadmium	ND		1.20	5	01/12/2024 11:48	WG2202531
Chromium	9.11		6.02	5	01/12/2024 11:48	WG2202531
Cobalt	4.85		1.20	5	01/12/2024 11:48	WG2202531
Copper	6.24		6.02	5	01/12/2024 11:48	WG2202531
Lead	43.7		2.41	5	01/12/2024 11:48	WG2202531
Manganese	185		3.01	5	01/12/2024 15:16	WG2202531
Nickel	6.75		3.01	5	01/12/2024 11:48	WG2202531
Selenium	ND		3.01	5	01/12/2024 11:48	WG2202531
Silver	ND		0.602	5	01/12/2024 11:48	WG2202531
Thallium	ND		2.41	5	01/12/2024 11:48	WG2202531
Vanadium	17.3		3.01	5	01/12/2024 11:48	WG2202531
Zinc	ND		30.1	5	01/12/2024 11:48	WG2202531

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0721	1	01/10/2024 21:25	WG2204827
Acrylonitrile	ND		0.0180	1	01/10/2024 21:25	WG2204827
Benzene	ND		0.00144	1	01/10/2024 21:25	WG2204827
Bromobenzene	ND		0.0180	1	01/10/2024 21:25	WG2204827
Bromodichloromethane	ND		0.00360	1	01/10/2024 21:25	WG2204827
Bromoform	ND		0.0360	1	01/10/2024 21:25	WG2204827
Bromomethane	ND	C3	0.0180	1	01/10/2024 21:25	WG2204827
n-Butylbenzene	ND		0.0180	1	01/10/2024 21:25	WG2204827
sec-Butylbenzene	ND	J3	0.0180	1	01/10/2024 21:25	WG2204827
tert-Butylbenzene	ND		0.00721	1	01/10/2024 21:25	WG2204827
Carbon tetrachloride	ND		0.00721	1	01/10/2024 21:25	WG2204827
Chlorobenzene	ND		0.00360	1	01/10/2024 21:25	WG2204827
Chlorodibromomethane	ND		0.00360	1	01/10/2024 21:25	WG2204827
Chloroethane	ND	C3	0.00721	1	01/10/2024 21:25	WG2204827
Chloroform	ND		0.00360	1	01/10/2024 21:25	WG2204827
Chloromethane	ND	C3	0.0180	1	01/10/2024 21:25	WG2204827
2-Chlorotoluene	ND		0.00360	1	01/10/2024 21:25	WG2204827
4-Chlorotoluene	ND		0.00721	1	01/10/2024 21:25	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0360	1	01/10/2024 21:25	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00360	1	01/10/2024 21:25	WG2204827
Dibromomethane	ND		0.00721	1	01/10/2024 21:25	WG2204827
1,2-Dichlorobenzene	ND		0.00721	1	01/10/2024 21:25	WG2204827
1,3-Dichlorobenzene	ND		0.00721	1	01/10/2024 21:25	WG2204827
1,4-Dichlorobenzene	ND		0.00721	1	01/10/2024 21:25	WG2204827
Dichlorodifluoromethane	ND	C3	0.00721	1	01/10/2024 21:25	WG2204827
1,1-Dichloroethane	ND		0.00360	1	01/10/2024 21:25	WG2204827
1,2-Dichloroethane	ND		0.00360	1	01/10/2024 21:25	WG2204827
1,1-Dichloroethene	ND	J3	0.00360	1	01/10/2024 21:25	WG2204827
cis-1,2-Dichloroethene	ND		0.00360	1	01/10/2024 21:25	WG2204827
trans-1,2-Dichloroethene	ND		0.00721	1	01/10/2024 21:25	WG2204827
1,2-Dichloropropane	ND		0.00721	1	01/10/2024 21:25	WG2204827
1,1-Dichloropropene	ND	J3	0.00360	1	01/10/2024 21:25	WG2204827
1,3-Dichloropropane	ND		0.00721	1	01/10/2024 21:25	WG2204827
cis-1,3-Dichloropropene	ND		0.00360	1	01/10/2024 21:25	WG2204827
trans-1,3-Dichloropropene	ND		0.00721	1	01/10/2024 21:25	WG2204827
2,2-Dichloropropane	ND		0.00360	1	01/10/2024 21:25	WG2204827
Di-isopropyl ether	ND		0.00144	1	01/10/2024 21:25	WG2204827
Ethylbenzene	ND		0.00360	1	01/10/2024 21:25	WG2204827
Hexachloro-1,3-butadiene	ND		0.0360	1	01/10/2024 21:25	WG2204827
Isopropylbenzene	ND		0.00360	1	01/10/2024 21:25	WG2204827
p-Isopropyltoluene	0.00822		0.00721	1	01/10/2024 21:25	WG2204827
2-Butanone (MEK)	ND		0.144	1	01/10/2024 21:25	WG2204827
Methylene Chloride	ND		0.0360	1	01/10/2024 21:25	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0360	1	01/10/2024 21:25	WG2204827
Methyl tert-butyl ether	ND		0.00144	1	01/10/2024 21:25	WG2204827
Naphthalene	ND		0.0180	1	01/10/2024 21:25	WG2204827
n-Propylbenzene	ND		0.00721	1	01/10/2024 21:25	WG2204827
Styrene	ND		0.0180	1	01/10/2024 21:25	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00360	1	01/10/2024 21:25	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00360	1	01/10/2024 21:25	WG2204827
Tetrachloroethene	ND	J3	0.00360	1	01/10/2024 21:25	WG2204827
Toluene	ND		0.00721	1	01/10/2024 21:25	WG2204827
1,2,3-Trichlorobenzene	ND		0.0180	1	01/10/2024 21:25	WG2204827
1,2,4-Trichlorobenzene	ND		0.0180	1	01/10/2024 21:25	WG2204827
1,1,1-Trichloroethane	ND		0.00360	1	01/10/2024 21:25	WG2204827
1,1,2-Trichloroethane	ND		0.00360	1	01/10/2024 21:25	WG2204827
Trichloroethene	ND		0.00144	1	01/10/2024 21:25	WG2204827
Trichlorofluoromethane	ND	C3	0.00360	1	01/10/2024 21:25	WG2204827
1,2,3-Trichloropropane	ND		0.0180	1	01/10/2024 21:25	WG2204827
1,2,4-Trimethylbenzene	ND		0.00721	1	01/10/2024 21:25	WG2204827
1,3,5-Trimethylbenzene	ND		0.00721	1	01/10/2024 21:25	WG2204827
Vinyl chloride	ND	C3 J3	0.00360	1	01/10/2024 21:25	WG2204827
Xylenes, Total	ND		0.00937	1	01/10/2024 21:25	WG2204827
(S) Toluene-d8	99.6		75.0-131		01/10/2024 21:25	WG2204827
(S) 4-Bromofluorobenzene	111		67.0-138		01/10/2024 21:25	WG2204827
(S) 1,2-Dichloroethane-d4	85.2		70.0-130		01/10/2024 21:25	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0803	2	01/11/2024 02:45	WG2203320
Acenaphthylene	ND		0.0803	2	01/11/2024 02:45	WG2203320
Anthracene	ND		0.0803	2	01/11/2024 02:45	WG2203320
Benzidine	ND		4.02	2	01/11/2024 02:45	WG2203320
Benzo(a)anthracene	ND		0.0803	2	01/11/2024 02:45	WG2203320

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0803	2	01/11/2024 02:45	WG2203320
Benzo(k)fluoranthene	ND		0.0803	2	01/11/2024 02:45	WG2203320
Benzo(g,h,i)perylene	ND		0.0803	2	01/11/2024 02:45	WG2203320
Benzo(a)pyrene	ND		0.0803	2	01/11/2024 02:45	WG2203320
Bis(2-chloroethoxy)methane	ND		0.803	2	01/11/2024 02:45	WG2203320
Bis(2-chloroethyl)ether	ND		0.803	2	01/11/2024 02:45	WG2203320
2,2-Oxybis(1-Chloropropane)	ND		0.803	2	01/11/2024 02:45	WG2203320
4-Bromophenyl-phenylether	ND		0.803	2	01/11/2024 02:45	WG2203320
2-Chloronaphthalene	ND		0.0803	2	01/11/2024 02:45	WG2203320
4-Chlorophenyl-phenylether	ND		0.803	2	01/11/2024 02:45	WG2203320
Chrysene	ND		0.0803	2	01/11/2024 02:45	WG2203320
Dibenz(a,h)anthracene	ND		0.0803	2	01/11/2024 02:45	WG2203320
3,3-Dichlorobenzidine	ND		0.803	2	01/11/2024 02:45	WG2203320
2,4-Dinitrotoluene	ND		0.803	2	01/11/2024 02:45	WG2203320
2,6-Dinitrotoluene	ND		0.803	2	01/11/2024 02:45	WG2203320
Fluoranthene	ND		0.0803	2	01/11/2024 02:45	WG2203320
Fluorene	ND		0.0803	2	01/11/2024 02:45	WG2203320
Hexachlorobenzene	ND		0.803	2	01/11/2024 02:45	WG2203320
Hexachloro-1,3-butadiene	ND		0.803	2	01/11/2024 02:45	WG2203320
Hexachlorocyclopentadiene	ND		0.803	2	01/11/2024 02:45	WG2203320
Hexachloroethane	ND		0.803	2	01/11/2024 02:45	WG2203320
Indeno(1,2,3-cd)pyrene	ND		0.0803	2	01/11/2024 02:45	WG2203320
Isophorone	ND		0.803	2	01/11/2024 02:45	WG2203320
Naphthalene	ND		0.0803	2	01/11/2024 02:45	WG2203320
Nitrobenzene	ND		0.803	2	01/11/2024 02:45	WG2203320
n-Nitrosodimethylamine	ND		0.803	2	01/11/2024 02:45	WG2203320
n-Nitrosodiphenylamine	ND		0.803	2	01/11/2024 02:45	WG2203320
n-Nitrosodi-n-propylamine	ND		0.803	2	01/11/2024 02:45	WG2203320
Phenanthrene	ND		0.0803	2	01/11/2024 02:45	WG2203320
Benzylbutyl phthalate	ND		0.803	2	01/11/2024 02:45	WG2203320
Bis(2-ethylhexyl)phthalate	ND		0.803	2	01/11/2024 02:45	WG2203320
Di-n-butyl phthalate	ND		0.803	2	01/11/2024 02:45	WG2203320
Diethyl phthalate	ND		0.803	2	01/11/2024 02:45	WG2203320
Dimethyl phthalate	ND		0.803	2	01/11/2024 02:45	WG2203320
Di-n-octyl phthalate	ND		0.803	2	01/11/2024 02:45	WG2203320
Pyrene	ND		0.0803	2	01/11/2024 02:45	WG2203320
1,2,4-Trichlorobenzene	ND		0.803	2	01/11/2024 02:45	WG2203320
4-Chloro-3-methylphenol	ND		0.803	2	01/11/2024 02:45	WG2203320
2-Chlorophenol	ND		0.803	2	01/11/2024 02:45	WG2203320
2,4-Dichlorophenol	ND		0.803	2	01/11/2024 02:45	WG2203320
2,4-Dimethylphenol	ND		0.803	2	01/11/2024 02:45	WG2203320
4,6-Dinitro-2-methylphenol	ND		0.803	2	01/11/2024 02:45	WG2203320
2,4-Dinitrophenol	ND		0.803	2	01/11/2024 02:45	WG2203320
2-Nitrophenol	ND		0.803	2	01/11/2024 02:45	WG2203320
4-Nitrophenol	ND		0.803	2	01/11/2024 02:45	WG2203320
Pentachlorophenol	ND		0.803	2	01/11/2024 02:45	WG2203320
Phenol	ND		0.803	2	01/11/2024 02:45	WG2203320
2,4,6-Trichlorophenol	ND		0.803	2	01/11/2024 02:45	WG2203320
(S) 2-Fluorophenol	70.3		12.0-120		01/11/2024 02:45	WG2203320
(S) Phenol-d5	68.8		10.0-120		01/11/2024 02:45	WG2203320
(S) Nitrobenzene-d5	62.2		10.0-122		01/11/2024 02:45	WG2203320
(S) 2-Fluorobiphenyl	64.6		15.0-120		01/11/2024 02:45	WG2203320
(S) 2,4,6-Tribromophenol	63.5		10.0-127		01/11/2024 02:45	WG2203320
(S) p-Terphenyl-d14	72.3		10.0-120		01/11/2024 02:45	WG2203320

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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L1693895-04 WG2203320: Dilution due to matrix impact during extract concentration procedure.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.6		1	01/08/2024 14:36	WG2202922

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND	J6	1.21	1	01/09/2024 10:36	WG2202754

Mercury by Method 7471B

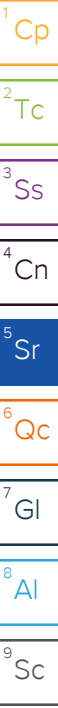
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0485	1	01/07/2024 18:17	WG2202629

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.63	5	01/12/2024 13:40	WG2202531
Arsenic	1.57		1.21	5	01/12/2024 13:40	WG2202531
Barium	62.6		3.03	5	01/12/2024 13:40	WG2202531
Beryllium	ND		3.03	5	01/12/2024 13:40	WG2202531
Cadmium	ND		1.21	5	01/12/2024 13:40	WG2202531
Chromium	19.9		6.06	5	01/12/2024 13:40	WG2202531
Cobalt	7.93		1.21	5	01/12/2024 13:40	WG2202531
Copper	10.0		6.06	5	01/12/2024 13:40	WG2202531
Lead	24.7		2.42	5	01/12/2024 13:40	WG2202531
Manganese	388		3.03	5	01/12/2024 15:19	WG2202531
Nickel	9.76		3.03	5	01/12/2024 13:40	WG2202531
Selenium	ND		3.03	5	01/12/2024 13:40	WG2202531
Silver	ND		0.606	5	01/12/2024 13:40	WG2202531
Thallium	ND		2.42	5	01/12/2024 13:40	WG2202531
Vanadium	26.2		3.03	5	01/12/2024 13:40	WG2202531
Zinc	ND		30.3	5	01/12/2024 13:40	WG2202531

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0715	1	01/10/2024 21:44	WG2204827
Acrylonitrile	ND		0.0179	1	01/10/2024 21:44	WG2204827
Benzene	ND		0.00143	1	01/10/2024 21:44	WG2204827
Bromobenzene	ND		0.0179	1	01/10/2024 21:44	WG2204827
Bromodichloromethane	ND		0.00358	1	01/10/2024 21:44	WG2204827
Bromoform	ND		0.0358	1	01/10/2024 21:44	WG2204827
Bromomethane	ND	C3	0.0179	1	01/10/2024 21:44	WG2204827
n-Butylbenzene	ND		0.0179	1	01/10/2024 21:44	WG2204827
sec-Butylbenzene	ND	J3	0.0179	1	01/10/2024 21:44	WG2204827
tert-Butylbenzene	ND		0.00715	1	01/10/2024 21:44	WG2204827
Carbon tetrachloride	ND		0.00715	1	01/10/2024 21:44	WG2204827
Chlorobenzene	ND		0.00358	1	01/10/2024 21:44	WG2204827
Chlorodibromomethane	ND		0.00358	1	01/10/2024 21:44	WG2204827
Chloroethane	ND	C3	0.00715	1	01/10/2024 21:44	WG2204827
Chloroform	ND		0.00358	1	01/10/2024 21:44	WG2204827
Chloromethane	ND	C3	0.0179	1	01/10/2024 21:44	WG2204827
2-Chlorotoluene	ND		0.00358	1	01/10/2024 21:44	WG2204827
4-Chlorotoluene	ND		0.00715	1	01/10/2024 21:44	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0358	1	01/10/2024 21:44	WG2204827



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00358	1	01/10/2024 21:44	WG2204827
Dibromomethane	ND		0.00715	1	01/10/2024 21:44	WG2204827
1,2-Dichlorobenzene	ND		0.00715	1	01/10/2024 21:44	WG2204827
1,3-Dichlorobenzene	ND		0.00715	1	01/10/2024 21:44	WG2204827
1,4-Dichlorobenzene	ND		0.00715	1	01/10/2024 21:44	WG2204827
Dichlorodifluoromethane	ND	C3	0.00715	1	01/10/2024 21:44	WG2204827
1,1-Dichloroethane	ND		0.00358	1	01/10/2024 21:44	WG2204827
1,2-Dichloroethane	ND		0.00358	1	01/10/2024 21:44	WG2204827
1,1-Dichloroethene	ND	J3	0.00358	1	01/10/2024 21:44	WG2204827
cis-1,2-Dichloroethene	ND		0.00358	1	01/10/2024 21:44	WG2204827
trans-1,2-Dichloroethene	ND		0.00715	1	01/10/2024 21:44	WG2204827
1,2-Dichloropropane	ND		0.00715	1	01/10/2024 21:44	WG2204827
1,1-Dichloropropene	ND	J3	0.00358	1	01/10/2024 21:44	WG2204827
1,3-Dichloropropane	ND		0.00715	1	01/10/2024 21:44	WG2204827
cis-1,3-Dichloropropene	ND		0.00358	1	01/10/2024 21:44	WG2204827
trans-1,3-Dichloropropene	ND		0.00715	1	01/10/2024 21:44	WG2204827
2,2-Dichloropropane	ND		0.00358	1	01/10/2024 21:44	WG2204827
Di-isopropyl ether	ND		0.00143	1	01/10/2024 21:44	WG2204827
Ethylbenzene	ND		0.00358	1	01/10/2024 21:44	WG2204827
Hexachloro-1,3-butadiene	ND		0.0358	1	01/10/2024 21:44	WG2204827
Isopropylbenzene	ND		0.00358	1	01/10/2024 21:44	WG2204827
p-Isopropyltoluene	ND		0.00715	1	01/10/2024 21:44	WG2204827
2-Butanone (MEK)	ND		0.143	1	01/10/2024 21:44	WG2204827
Methylene Chloride	ND		0.0358	1	01/10/2024 21:44	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0358	1	01/10/2024 21:44	WG2204827
Methyl tert-butyl ether	ND		0.00143	1	01/10/2024 21:44	WG2204827
Naphthalene	ND		0.0179	1	01/10/2024 21:44	WG2204827
n-Propylbenzene	ND		0.00715	1	01/10/2024 21:44	WG2204827
Styrene	ND		0.0179	1	01/10/2024 21:44	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00358	1	01/10/2024 21:44	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00358	1	01/10/2024 21:44	WG2204827
Tetrachloroethene	ND	J3	0.00358	1	01/10/2024 21:44	WG2204827
Toluene	ND		0.00715	1	01/10/2024 21:44	WG2204827
1,2,3-Trichlorobenzene	ND		0.0179	1	01/10/2024 21:44	WG2204827
1,2,4-Trichlorobenzene	ND		0.0179	1	01/10/2024 21:44	WG2204827
1,1,1-Trichloroethane	ND		0.00358	1	01/10/2024 21:44	WG2204827
1,1,2-Trichloroethane	ND		0.00358	1	01/10/2024 21:44	WG2204827
Trichloroethene	ND		0.00143	1	01/10/2024 21:44	WG2204827
Trichlorofluoromethane	ND	C3	0.00358	1	01/10/2024 21:44	WG2204827
1,2,3-Trichloropropane	ND		0.0179	1	01/10/2024 21:44	WG2204827
1,2,4-Trimethylbenzene	ND		0.00715	1	01/10/2024 21:44	WG2204827
1,3,5-Trimethylbenzene	ND		0.00715	1	01/10/2024 21:44	WG2204827
Vinyl chloride	ND	C3 J3	0.00358	1	01/10/2024 21:44	WG2204827
Xylenes, Total	ND		0.00930	1	01/10/2024 21:44	WG2204827
(S) Toluene-d8	98.8		75.0-131		01/10/2024 21:44	WG2204827
(S) 4-Bromofluorobenzene	110		67.0-138		01/10/2024 21:44	WG2204827
(S) 1,2-Dichloroethane-d4	85.6		70.0-130		01/10/2024 21:44	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0403	1	01/11/2024 01:07	WG2203320
Acenaphthylene	ND		0.0403	1	01/11/2024 01:07	WG2203320
Anthracene	0.0504		0.0403	1	01/11/2024 01:07	WG2203320
Benzidine	ND		2.02	1	01/11/2024 01:07	WG2203320
Benzo(a)anthracene	0.214		0.0403	1	01/11/2024 01:07	WG2203320

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.269		0.0403	1	01/11/2024 01:07	WG2203320
Benzo(k)fluoranthene	0.0949		0.0403	1	01/11/2024 01:07	WG2203320
Benzo(g,h,i)perylene	0.125		0.0403	1	01/11/2024 01:07	WG2203320
Benzo(a)pyrene	0.208		0.0403	1	01/11/2024 01:07	WG2203320
Bis(2-chloroethoxy)methane	ND		0.403	1	01/11/2024 01:07	WG2203320
Bis(2-chloroethyl)ether	ND		0.403	1	01/11/2024 01:07	WG2203320
2,2-Oxybis(1-Chloropropane)	ND		0.403	1	01/11/2024 01:07	WG2203320
4-Bromophenyl-phenylether	ND		0.403	1	01/11/2024 01:07	WG2203320
2-Chloronaphthalene	ND		0.0403	1	01/11/2024 01:07	WG2203320
4-Chlorophenyl-phenylether	ND		0.403	1	01/11/2024 01:07	WG2203320
Chrysene	0.241		0.0403	1	01/11/2024 01:07	WG2203320
Dibenz(a,h)anthracene	ND		0.0403	1	01/11/2024 01:07	WG2203320
3,3-Dichlorobenzidine	ND		0.403	1	01/11/2024 01:07	WG2203320
2,4-Dinitrotoluene	ND		0.403	1	01/11/2024 01:07	WG2203320
2,6-Dinitrotoluene	ND		0.403	1	01/11/2024 01:07	WG2203320
Fluoranthene	0.476		0.0403	1	01/11/2024 01:07	WG2203320
Fluorene	ND		0.0403	1	01/11/2024 01:07	WG2203320
Hexachlorobenzene	ND		0.403	1	01/11/2024 01:07	WG2203320
Hexachloro-1,3-butadiene	ND		0.403	1	01/11/2024 01:07	WG2203320
Hexachlorocyclopentadiene	ND		0.403	1	01/11/2024 01:07	WG2203320
Hexachloroethane	ND		0.403	1	01/11/2024 01:07	WG2203320
Indeno(1,2,3-cd)pyrene	0.120		0.0403	1	01/11/2024 01:07	WG2203320
Isophorone	ND		0.403	1	01/11/2024 01:07	WG2203320
Naphthalene	ND		0.0403	1	01/11/2024 01:07	WG2203320
Nitrobenzene	ND		0.403	1	01/11/2024 01:07	WG2203320
n-Nitrosodimethylamine	ND		0.403	1	01/11/2024 01:07	WG2203320
n-Nitrosodiphenylamine	ND		0.403	1	01/11/2024 01:07	WG2203320
n-Nitrosodi-n-propylamine	ND		0.403	1	01/11/2024 01:07	WG2203320
Phenanthrene	0.329		0.0403	1	01/11/2024 01:07	WG2203320
Benzylbutyl phthalate	ND		0.403	1	01/11/2024 01:07	WG2203320
Bis(2-ethylhexyl)phthalate	ND		0.403	1	01/11/2024 01:07	WG2203320
Di-n-butyl phthalate	ND		0.403	1	01/11/2024 01:07	WG2203320
Diethyl phthalate	ND		0.403	1	01/11/2024 01:07	WG2203320
Dimethyl phthalate	ND		0.403	1	01/11/2024 01:07	WG2203320
Di-n-octyl phthalate	ND		0.403	1	01/11/2024 01:07	WG2203320
Pyrene	0.471		0.0403	1	01/11/2024 01:07	WG2203320
1,2,4-Trichlorobenzene	ND		0.403	1	01/11/2024 01:07	WG2203320
4-Chloro-3-methylphenol	ND		0.403	1	01/11/2024 01:07	WG2203320
2-Chlorophenol	ND		0.403	1	01/11/2024 01:07	WG2203320
2,4-Dichlorophenol	ND		0.403	1	01/11/2024 01:07	WG2203320
2,4-Dimethylphenol	ND		0.403	1	01/11/2024 01:07	WG2203320
4,6-Dinitro-2-methylphenol	ND		0.403	1	01/11/2024 01:07	WG2203320
2,4-Dinitrophenol	ND		0.403	1	01/11/2024 01:07	WG2203320
2-Nitrophenol	ND		0.403	1	01/11/2024 01:07	WG2203320
4-Nitrophenol	ND		0.403	1	01/11/2024 01:07	WG2203320
Pentachlorophenol	ND		0.403	1	01/11/2024 01:07	WG2203320
Phenol	ND		0.403	1	01/11/2024 01:07	WG2203320
2,4,6-Trichlorophenol	ND		0.403	1	01/11/2024 01:07	WG2203320
(S) 2-Fluorophenol	64.4		12.0-120		01/11/2024 01:07	WG2203320
(S) Phenol-d5	71.3		10.0-120		01/11/2024 01:07	WG2203320
(S) Nitrobenzene-d5	67.8		10.0-122		01/11/2024 01:07	WG2203320
(S) 2-Fluorobiphenyl	72.0		15.0-120		01/11/2024 01:07	WG2203320
(S) 2,4,6-Tribromophenol	65.0		10.0-127		01/11/2024 01:07	WG2203320
(S) p-Terphenyl-d14	77.8		10.0-120		01/11/2024 01:07	WG2203320

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	80.3		1	01/08/2024 14:36	WG2202922

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.24	1	01/09/2024 11:07	WG2202754

Mercury by Method 7471B

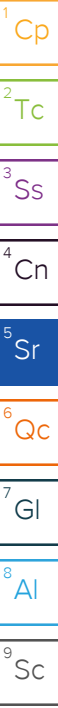
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	ND		0.0498	1	01/07/2024 18:28	WG2202629

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		3.73	5	01/12/2024 13:44	WG2202531
Arsenic	3.14		1.24	5	01/12/2024 13:44	WG2202531
Barium	88.2		3.11	5	01/12/2024 13:44	WG2202531
Beryllium	ND		3.11	5	01/12/2024 13:44	WG2202531
Cadmium	ND		1.24	5	01/12/2024 13:44	WG2202531
Chromium	35.2		6.22	5	01/12/2024 13:44	WG2202531
Cobalt	13.6		1.24	5	01/12/2024 13:44	WG2202531
Copper	19.2		6.22	5	01/12/2024 13:44	WG2202531
Lead	32.2		2.49	5	01/12/2024 13:44	WG2202531
Manganese	550		6.22	10	01/12/2024 15:22	WG2202531
Nickel	20.7		3.11	5	01/12/2024 13:44	WG2202531
Selenium	ND		3.11	5	01/12/2024 13:44	WG2202531
Silver	ND		0.622	5	01/12/2024 13:44	WG2202531
Thallium	ND		2.49	5	01/12/2024 13:44	WG2202531
Vanadium	42.6		3.11	5	01/12/2024 13:44	WG2202531
Zinc	52.4		31.1	5	01/12/2024 13:44	WG2202531

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND	C3	0.0767	1	01/10/2024 22:03	WG2204827
Acrylonitrile	ND		0.0192	1	01/10/2024 22:03	WG2204827
Benzene	ND		0.00153	1	01/10/2024 22:03	WG2204827
Bromobenzene	ND		0.0192	1	01/10/2024 22:03	WG2204827
Bromodichloromethane	ND		0.00384	1	01/10/2024 22:03	WG2204827
Bromoform	ND		0.0384	1	01/10/2024 22:03	WG2204827
Bromomethane	ND	C3	0.0192	1	01/10/2024 22:03	WG2204827
n-Butylbenzene	ND		0.0192	1	01/10/2024 22:03	WG2204827
sec-Butylbenzene	ND	J3	0.0192	1	01/10/2024 22:03	WG2204827
tert-Butylbenzene	ND		0.00767	1	01/10/2024 22:03	WG2204827
Carbon tetrachloride	ND		0.00767	1	01/10/2024 22:03	WG2204827
Chlorobenzene	ND		0.00384	1	01/10/2024 22:03	WG2204827
Chlorodibromomethane	ND		0.00384	1	01/10/2024 22:03	WG2204827
Chloroethane	ND	C3	0.00767	1	01/10/2024 22:03	WG2204827
Chloroform	ND		0.00384	1	01/10/2024 22:03	WG2204827
Chloromethane	ND	C3	0.0192	1	01/10/2024 22:03	WG2204827
2-Chlorotoluene	ND		0.00384	1	01/10/2024 22:03	WG2204827
4-Chlorotoluene	ND		0.00767	1	01/10/2024 22:03	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0384	1	01/10/2024 22:03	WG2204827



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00384	1	01/10/2024 22:03	WG2204827
Dibromomethane	ND		0.00767	1	01/10/2024 22:03	WG2204827
1,2-Dichlorobenzene	ND		0.00767	1	01/10/2024 22:03	WG2204827
1,3-Dichlorobenzene	ND		0.00767	1	01/10/2024 22:03	WG2204827
1,4-Dichlorobenzene	ND		0.00767	1	01/10/2024 22:03	WG2204827
Dichlorodifluoromethane	ND	C3	0.00767	1	01/10/2024 22:03	WG2204827
1,1-Dichloroethane	ND		0.00384	1	01/10/2024 22:03	WG2204827
1,2-Dichloroethane	ND		0.00384	1	01/10/2024 22:03	WG2204827
1,1-Dichloroethene	ND	J3	0.00384	1	01/10/2024 22:03	WG2204827
cis-1,2-Dichloroethene	ND		0.00384	1	01/10/2024 22:03	WG2204827
trans-1,2-Dichloroethene	ND		0.00767	1	01/10/2024 22:03	WG2204827
1,2-Dichloropropane	ND		0.00767	1	01/10/2024 22:03	WG2204827
1,1-Dichloropropene	ND	J3	0.00384	1	01/10/2024 22:03	WG2204827
1,3-Dichloropropane	ND		0.00767	1	01/10/2024 22:03	WG2204827
cis-1,3-Dichloropropene	ND		0.00384	1	01/10/2024 22:03	WG2204827
trans-1,3-Dichloropropene	ND		0.00767	1	01/10/2024 22:03	WG2204827
2,2-Dichloropropane	ND		0.00384	1	01/10/2024 22:03	WG2204827
Di-isopropyl ether	ND		0.00153	1	01/10/2024 22:03	WG2204827
Ethylbenzene	ND		0.00384	1	01/10/2024 22:03	WG2204827
Hexachloro-1,3-butadiene	ND		0.0384	1	01/10/2024 22:03	WG2204827
Isopropylbenzene	ND		0.00384	1	01/10/2024 22:03	WG2204827
p-Isopropyltoluene	ND		0.00767	1	01/10/2024 22:03	WG2204827
2-Butanone (MEK)	ND		0.153	1	01/10/2024 22:03	WG2204827
Methylene Chloride	ND		0.0384	1	01/10/2024 22:03	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0384	1	01/10/2024 22:03	WG2204827
Methyl tert-butyl ether	ND		0.00153	1	01/10/2024 22:03	WG2204827
Naphthalene	ND		0.0192	1	01/10/2024 22:03	WG2204827
n-Propylbenzene	ND		0.00767	1	01/10/2024 22:03	WG2204827
Styrene	ND		0.0192	1	01/10/2024 22:03	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00384	1	01/10/2024 22:03	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00384	1	01/10/2024 22:03	WG2204827
Tetrachloroethene	ND	J3	0.00384	1	01/10/2024 22:03	WG2204827
Toluene	ND		0.00767	1	01/10/2024 22:03	WG2204827
1,2,3-Trichlorobenzene	ND		0.0192	1	01/10/2024 22:03	WG2204827
1,2,4-Trichlorobenzene	ND		0.0192	1	01/10/2024 22:03	WG2204827
1,1,1-Trichloroethane	ND		0.00384	1	01/10/2024 22:03	WG2204827
1,1,2-Trichloroethane	ND		0.00384	1	01/10/2024 22:03	WG2204827
Trichloroethene	ND		0.00153	1	01/10/2024 22:03	WG2204827
Trichlorofluoromethane	ND	C3	0.00384	1	01/10/2024 22:03	WG2204827
1,2,3-Trichloropropane	ND		0.0192	1	01/10/2024 22:03	WG2204827
1,2,4-Trimethylbenzene	ND		0.00767	1	01/10/2024 22:03	WG2204827
1,3,5-Trimethylbenzene	ND		0.00767	1	01/10/2024 22:03	WG2204827
Vinyl chloride	ND	C3 J3	0.00384	1	01/10/2024 22:03	WG2204827
Xylenes, Total	ND		0.00997	1	01/10/2024 22:03	WG2204827
(S) Toluene-d8	99.4		75.0-131		01/10/2024 22:03	WG2204827
(S) 4-Bromofluorobenzene	110		67.0-138		01/10/2024 22:03	WG2204827
(S) 1,2-Dichloroethane-d4	88.6		70.0-130		01/10/2024 22:03	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0829	2	01/19/2024 23:32	WG2204993
Acenaphthylene	ND		0.0829	2	01/19/2024 23:32	WG2204993
Anthracene	ND		0.0829	2	01/19/2024 23:32	WG2204993
Benzidine	ND		4.16	2	01/19/2024 23:32	WG2204993
Benzo(a)anthracene	0.218		0.0829	2	01/19/2024 23:32	WG2204993

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.312		0.0829	2	01/19/2024 23:32	WG2204993
Benzo(k)fluoranthene	0.0948		0.0829	2	01/19/2024 23:32	WG2204993
Benzo(g,h,i)perylene	0.131		0.0829	2	01/19/2024 23:32	WG2204993
Benzo(a)pyrene	0.220		0.0829	2	01/19/2024 23:32	WG2204993
Bis(2-chloroethoxy)methane	ND		0.829	2	01/19/2024 23:32	WG2204993
Bis(2-chloroethyl)ether	ND		0.829	2	01/19/2024 23:32	WG2204993
2,2-Oxybis(1-Chloropropane)	ND		0.829	2	01/19/2024 23:32	WG2204993
4-Bromophenyl-phenylether	ND		0.829	2	01/19/2024 23:32	WG2204993
2-Chloronaphthalene	ND		0.0829	2	01/19/2024 23:32	WG2204993
4-Chlorophenyl-phenylether	ND		0.829	2	01/19/2024 23:32	WG2204993
Chrysene	0.241		0.0829	2	01/19/2024 23:32	WG2204993
Dibenz(a,h)anthracene	ND		0.0829	2	01/19/2024 23:32	WG2204993
3,3-Dichlorobenzidine	ND		0.829	2	01/19/2024 23:32	WG2204993
2,4-Dinitrotoluene	ND		0.829	2	01/19/2024 23:32	WG2204993
2,6-Dinitrotoluene	ND		0.829	2	01/19/2024 23:32	WG2204993
Fluoranthene	0.433		0.0829	2	01/19/2024 23:32	WG2204993
Fluorene	ND		0.0829	2	01/19/2024 23:32	WG2204993
Hexachlorobenzene	ND		0.829	2	01/19/2024 23:32	WG2204993
Hexachloro-1,3-butadiene	ND		0.829	2	01/19/2024 23:32	WG2204993
Hexachlorocyclopentadiene	ND		0.829	2	01/19/2024 23:32	WG2204993
Hexachloroethane	ND		0.829	2	01/19/2024 23:32	WG2204993
Indeno(1,2,3-cd)pyrene	0.132		0.0829	2	01/19/2024 23:32	WG2204993
Isophorone	ND		0.829	2	01/19/2024 23:32	WG2204993
Naphthalene	ND		0.0829	2	01/19/2024 23:32	WG2204993
Nitrobenzene	ND		0.829	2	01/19/2024 23:32	WG2204993
n-Nitrosodimethylamine	ND		0.829	2	01/19/2024 23:32	WG2204993
n-Nitrosodiphenylamine	ND		0.829	2	01/19/2024 23:32	WG2204993
n-Nitrosodi-n-propylamine	ND		0.829	2	01/19/2024 23:32	WG2204993
Phenanthrene	0.251		0.0829	2	01/19/2024 23:32	WG2204993
Benzylbutyl phthalate	ND		0.829	2	01/19/2024 23:32	WG2204993
Bis(2-ethylhexyl)phthalate	ND		0.829	2	01/19/2024 23:32	WG2204993
Di-n-butyl phthalate	ND		0.829	2	01/19/2024 23:32	WG2204993
Diethyl phthalate	ND		0.829	2	01/19/2024 23:32	WG2204993
Dimethyl phthalate	ND		0.829	2	01/19/2024 23:32	WG2204993
Di-n-octyl phthalate	ND		0.829	2	01/19/2024 23:32	WG2204993
Pyrene	0.427		0.0829	2	01/19/2024 23:32	WG2204993
1,2,4-Trichlorobenzene	ND		0.829	2	01/19/2024 23:32	WG2204993
4-Chloro-3-methylphenol	ND		0.829	2	01/19/2024 23:32	WG2204993
2-Chlorophenol	ND		0.829	2	01/19/2024 23:32	WG2204993
2,4-Dichlorophenol	ND		0.829	2	01/19/2024 23:32	WG2204993
2,4-Dimethylphenol	ND		0.829	2	01/19/2024 23:32	WG2204993
4,6-Dinitro-2-methylphenol	ND		0.829	2	01/19/2024 23:32	WG2204993
2,4-Dinitrophenol	ND		0.829	2	01/19/2024 23:32	WG2204993
2-Nitrophenol	ND		0.829	2	01/19/2024 23:32	WG2204993
4-Nitrophenol	ND		0.829	2	01/19/2024 23:32	WG2204993
Pentachlorophenol	ND		0.829	2	01/19/2024 23:32	WG2204993
Phenol	ND		0.829	2	01/19/2024 23:32	WG2204993
2,4,6-Trichlorophenol	ND		0.829	2	01/19/2024 23:32	WG2204993
(S) 2-Fluorophenol	69.0		12.0-120		01/19/2024 23:32	WG2204993
(S) Phenol-d5	66.0		10.0-120		01/19/2024 23:32	WG2204993
(S) Nitrobenzene-d5	54.4		10.0-122		01/19/2024 23:32	WG2204993
(S) 2-Fluorobiphenyl	64.3		15.0-120		01/19/2024 23:32	WG2204993
(S) 2,4,6-Tribromophenol	76.2		10.0-127		01/19/2024 23:32	WG2204993
(S) p-Terphenyl-d14	76.0		10.0-120		01/19/2024 23:32	WG2204993

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.0		1	01/08/2024 14:36	WG2202922

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.27	1	01/09/2024 11:13	WG2202754

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0507	1	01/07/2024 18:30	WG2202629

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.80	5	01/24/2024 12:07	WG2202530
Arsenic	2.94		1.27	5	01/24/2024 12:07	WG2202530
Barium	83.9		3.17	5	01/24/2024 12:07	WG2202530
Beryllium	ND		3.17	5	01/24/2024 12:07	WG2202530
Cadmium	ND		1.27	5	01/24/2024 12:07	WG2202530
Chromium	58.5		6.33	5	01/24/2024 12:07	WG2202530
Cobalt	11.1		1.27	5	01/24/2024 12:07	WG2202530
Copper	21.5		6.33	5	01/24/2024 12:07	WG2202530
Lead	28.5		2.53	5	01/24/2024 12:07	WG2202530
Manganese	459		3.17	5	01/24/2024 12:07	WG2202530
Nickel	22.0		3.17	5	01/24/2024 12:07	WG2202530
Selenium	ND		3.17	5	01/24/2024 12:07	WG2202530
Silver	ND		0.633	5	01/24/2024 12:07	WG2202530
Thallium	ND		2.53	5	01/24/2024 12:07	WG2202530
Vanadium	45.1		3.17	5	01/24/2024 12:07	WG2202530
Zinc	61.7		31.7	5	01/24/2024 12:07	WG2202530

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0808	1	01/10/2024 22:22	WG2204827
Acrylonitrile	ND		0.0202	1	01/10/2024 22:22	WG2204827
Benzene	ND		0.00162	1	01/10/2024 22:22	WG2204827
Bromobenzene	ND		0.0202	1	01/10/2024 22:22	WG2204827
Bromodichloromethane	ND		0.00404	1	01/10/2024 22:22	WG2204827
Bromoform	ND		0.0404	1	01/10/2024 22:22	WG2204827
Bromomethane	ND	C3	0.0202	1	01/10/2024 22:22	WG2204827
n-Butylbenzene	ND		0.0202	1	01/10/2024 22:22	WG2204827
sec-Butylbenzene	ND	J3	0.0202	1	01/10/2024 22:22	WG2204827
tert-Butylbenzene	ND		0.00808	1	01/10/2024 22:22	WG2204827
Carbon tetrachloride	ND		0.00808	1	01/10/2024 22:22	WG2204827
Chlorobenzene	ND		0.00404	1	01/10/2024 22:22	WG2204827
Chlorodibromomethane	ND		0.00404	1	01/10/2024 22:22	WG2204827
Chloroethane	ND	C3	0.00808	1	01/10/2024 22:22	WG2204827
Chloroform	ND		0.00404	1	01/10/2024 22:22	WG2204827
Chloromethane	ND	C3	0.0202	1	01/10/2024 22:22	WG2204827
2-Chlorotoluene	ND		0.00404	1	01/10/2024 22:22	WG2204827
4-Chlorotoluene	ND		0.00808	1	01/10/2024 22:22	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0404	1	01/10/2024 22:22	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00404	1	01/10/2024 22:22	WG2204827
Dibromomethane	ND		0.00808	1	01/10/2024 22:22	WG2204827
1,2-Dichlorobenzene	ND		0.00808	1	01/10/2024 22:22	WG2204827
1,3-Dichlorobenzene	ND		0.00808	1	01/10/2024 22:22	WG2204827
1,4-Dichlorobenzene	ND		0.00808	1	01/10/2024 22:22	WG2204827
Dichlorodifluoromethane	ND	C3	0.00808	1	01/10/2024 22:22	WG2204827
1,1-Dichloroethane	ND		0.00404	1	01/10/2024 22:22	WG2204827
1,2-Dichloroethane	ND		0.00404	1	01/10/2024 22:22	WG2204827
1,1-Dichloroethene	ND	J3	0.00404	1	01/10/2024 22:22	WG2204827
cis-1,2-Dichloroethene	ND		0.00404	1	01/10/2024 22:22	WG2204827
trans-1,2-Dichloroethene	ND		0.00808	1	01/10/2024 22:22	WG2204827
1,2-Dichloropropane	ND		0.00808	1	01/10/2024 22:22	WG2204827
1,1-Dichloropropene	ND	J3	0.00404	1	01/10/2024 22:22	WG2204827
1,3-Dichloropropane	ND		0.00808	1	01/10/2024 22:22	WG2204827
cis-1,3-Dichloropropene	ND		0.00404	1	01/10/2024 22:22	WG2204827
trans-1,3-Dichloropropene	ND		0.00808	1	01/10/2024 22:22	WG2204827
2,2-Dichloropropane	ND		0.00404	1	01/10/2024 22:22	WG2204827
Di-isopropyl ether	ND		0.00162	1	01/10/2024 22:22	WG2204827
Ethylbenzene	ND		0.00404	1	01/10/2024 22:22	WG2204827
Hexachloro-1,3-butadiene	ND		0.0404	1	01/10/2024 22:22	WG2204827
Isopropylbenzene	ND		0.00404	1	01/10/2024 22:22	WG2204827
p-Isopropyltoluene	ND		0.00808	1	01/10/2024 22:22	WG2204827
2-Butanone (MEK)	ND		0.162	1	01/10/2024 22:22	WG2204827
Methylene Chloride	ND		0.0404	1	01/10/2024 22:22	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0404	1	01/10/2024 22:22	WG2204827
Methyl tert-butyl ether	ND		0.00162	1	01/10/2024 22:22	WG2204827
Naphthalene	ND		0.0202	1	01/10/2024 22:22	WG2204827
n-Propylbenzene	ND		0.00808	1	01/10/2024 22:22	WG2204827
Styrene	ND		0.0202	1	01/10/2024 22:22	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00404	1	01/10/2024 22:22	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00404	1	01/10/2024 22:22	WG2204827
Tetrachloroethene	ND	J3	0.00404	1	01/10/2024 22:22	WG2204827
Toluene	ND		0.00808	1	01/10/2024 22:22	WG2204827
1,2,3-Trichlorobenzene	ND		0.0202	1	01/10/2024 22:22	WG2204827
1,2,4-Trichlorobenzene	ND		0.0202	1	01/10/2024 22:22	WG2204827
1,1,1-Trichloroethane	ND		0.00404	1	01/10/2024 22:22	WG2204827
1,1,2-Trichloroethane	ND		0.00404	1	01/10/2024 22:22	WG2204827
Trichloroethene	ND		0.00162	1	01/10/2024 22:22	WG2204827
Trichlorofluoromethane	ND	C3	0.00404	1	01/10/2024 22:22	WG2204827
1,2,3-Trichloropropane	ND		0.0202	1	01/10/2024 22:22	WG2204827
1,2,4-Trimethylbenzene	ND		0.00808	1	01/10/2024 22:22	WG2204827
1,3,5-Trimethylbenzene	ND		0.00808	1	01/10/2024 22:22	WG2204827
Vinyl chloride	ND	C3 J3	0.00404	1	01/10/2024 22:22	WG2204827
Xylenes, Total	ND		0.0105	1	01/10/2024 22:22	WG2204827
(S) Toluene-d8	100		75.0-131		01/10/2024 22:22	WG2204827
(S) 4-Bromofluorobenzene	110		67.0-138		01/10/2024 22:22	WG2204827
(S) 1,2-Dichloroethane-d4	86.9		70.0-130		01/10/2024 22:22	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0844	2	01/10/2024 22:33	WG2203754
Acenaphthylene	ND		0.0844	2	01/10/2024 22:33	WG2203754
Anthracene	ND		0.0844	2	01/10/2024 22:33	WG2203754
Benzidine	ND		4.23	2	01/10/2024 22:33	WG2203754
Benzo(a)anthracene	0.195		0.0844	2	01/10/2024 22:33	WG2203754

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.360		0.0844	2	01/10/2024 22:33	WG2203754
Benzo(k)fluoranthene	0.107		0.0844	2	01/10/2024 22:33	WG2203754
Benzo(g,h,i)perylene	0.161		0.0844	2	01/10/2024 22:33	WG2203754
Benzo(a)pyrene	0.224		0.0844	2	01/10/2024 22:33	WG2203754
Bis(2-chloroethoxy)methane	ND		0.844	2	01/10/2024 22:33	WG2203754
Bis(2-chloroethyl)ether	ND		0.844	2	01/10/2024 22:33	WG2203754
2,2-Oxybis(1-Chloropropane)	ND		0.844	2	01/10/2024 22:33	WG2203754
4-Bromophenyl-phenylether	ND		0.844	2	01/10/2024 22:33	WG2203754
2-Chloronaphthalene	ND		0.0844	2	01/10/2024 22:33	WG2203754
4-Chlorophenyl-phenylether	ND		0.844	2	01/10/2024 22:33	WG2203754
Chrysene	0.213		0.0844	2	01/10/2024 22:33	WG2203754
Dibenz(a,h)anthracene	ND		0.0844	2	01/10/2024 22:33	WG2203754
3,3-Dichlorobenzidine	ND		0.844	2	01/10/2024 22:33	WG2203754
2,4-Dinitrotoluene	ND		0.844	2	01/10/2024 22:33	WG2203754
2,6-Dinitrotoluene	ND		0.844	2	01/10/2024 22:33	WG2203754
Fluoranthene	0.475		0.0844	2	01/10/2024 22:33	WG2203754
Fluorene	ND		0.0844	2	01/10/2024 22:33	WG2203754
Hexachlorobenzene	ND		0.844	2	01/10/2024 22:33	WG2203754
Hexachloro-1,3-butadiene	ND		0.844	2	01/10/2024 22:33	WG2203754
Hexachlorocyclopentadiene	ND		0.844	2	01/10/2024 22:33	WG2203754
Hexachloroethane	ND		0.844	2	01/10/2024 22:33	WG2203754
Indeno(1,2,3-cd)pyrene	0.181		0.0844	2	01/10/2024 22:33	WG2203754
Isophorone	ND		0.844	2	01/10/2024 22:33	WG2203754
Naphthalene	ND		0.0844	2	01/10/2024 22:33	WG2203754
Nitrobenzene	ND		0.844	2	01/10/2024 22:33	WG2203754
n-Nitrosodimethylamine	ND		0.844	2	01/10/2024 22:33	WG2203754
n-Nitrosodiphenylamine	ND		0.844	2	01/10/2024 22:33	WG2203754
n-Nitrosodi-n-propylamine	ND		0.844	2	01/10/2024 22:33	WG2203754
Phenanthrene	0.191		0.0844	2	01/10/2024 22:33	WG2203754
Benzylbutyl phthalate	ND		0.844	2	01/10/2024 22:33	WG2203754
Bis(2-ethylhexyl)phthalate	ND		0.844	2	01/10/2024 22:33	WG2203754
Di-n-butyl phthalate	ND		0.844	2	01/10/2024 22:33	WG2203754
Diethyl phthalate	ND		0.844	2	01/10/2024 22:33	WG2203754
Dimethyl phthalate	ND		0.844	2	01/10/2024 22:33	WG2203754
Di-n-octyl phthalate	ND		0.844	2	01/10/2024 22:33	WG2203754
Pyrene	0.398		0.0844	2	01/10/2024 22:33	WG2203754
1,2,4-Trichlorobenzene	ND		0.844	2	01/10/2024 22:33	WG2203754
4-Chloro-3-methylphenol	ND		0.844	2	01/10/2024 22:33	WG2203754
2-Chlorophenol	ND		0.844	2	01/10/2024 22:33	WG2203754
2,4-Dichlorophenol	ND		0.844	2	01/10/2024 22:33	WG2203754
2,4-Dimethylphenol	ND		0.844	2	01/10/2024 22:33	WG2203754
4,6-Dinitro-2-methylphenol	ND		0.844	2	01/10/2024 22:33	WG2203754
2,4-Dinitrophenol	ND		0.844	2	01/10/2024 22:33	WG2203754
2-Nitrophenol	ND		0.844	2	01/10/2024 22:33	WG2203754
4-Nitrophenol	ND		0.844	2	01/10/2024 22:33	WG2203754
Pentachlorophenol	ND		0.844	2	01/10/2024 22:33	WG2203754
Phenol	ND		0.844	2	01/10/2024 22:33	WG2203754
2,4,6-Trichlorophenol	ND		0.844	2	01/10/2024 22:33	WG2203754
(S) 2-Fluorophenol	56.1		12.0-120		01/10/2024 22:33	WG2203754
(S) Phenol-d5	51.3		10.0-120		01/10/2024 22:33	WG2203754
(S) Nitrobenzene-d5	58.3		10.0-122		01/10/2024 22:33	WG2203754
(S) 2-Fluorobiphenyl	58.6		15.0-120		01/10/2024 22:33	WG2203754
(S) 2,4,6-Tribromophenol	69.4		10.0-127		01/10/2024 22:33	WG2203754
(S) p-Terphenyl-d14	66.8		10.0-120		01/10/2024 22:33	WG2203754

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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L1693895-07 WG2203754: Dilution due to matrix impact during extract concentration procedure.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.5		1	01/08/2024 14:36	WG2202922

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.18		1.18	1	01/09/2024 11:19	WG2202754

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0473	1	01/07/2024 18:33	WG2202629

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.55	5	01/24/2024 12:11	WG2202530
Arsenic	1.51		1.18	5	01/24/2024 12:11	WG2202530
Barium	65.1		2.96	5	01/24/2024 12:11	WG2202530
Beryllium	ND		2.96	5	01/24/2024 12:11	WG2202530
Cadmium	ND		1.18	5	01/24/2024 12:11	WG2202530
Chromium	23.7		5.91	5	01/24/2024 12:11	WG2202530
Cobalt	9.01		1.18	5	01/24/2024 12:11	WG2202530
Copper	11.2		5.91	5	01/24/2024 12:11	WG2202530
Lead	15.2		2.37	5	01/24/2024 12:11	WG2202530
Manganese	437		2.96	5	01/24/2024 12:11	WG2202530
Nickel	12.5		2.96	5	01/24/2024 12:11	WG2202530
Selenium	ND		2.96	5	01/24/2024 12:11	WG2202530
Silver	ND		0.591	5	01/24/2024 12:11	WG2202530
Thallium	ND		2.37	5	01/24/2024 12:11	WG2202530
Vanadium	26.9		2.96	5	01/24/2024 12:11	WG2202530
Zinc	37.5		29.6	5	01/24/2024 12:11	WG2202530

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0698	1	01/10/2024 22:41	WG2204827
Acrylonitrile	ND		0.0174	1	01/10/2024 22:41	WG2204827
Benzene	ND		0.00140	1	01/10/2024 22:41	WG2204827
Bromobenzene	ND		0.0174	1	01/10/2024 22:41	WG2204827
Bromodichloromethane	ND		0.00349	1	01/10/2024 22:41	WG2204827
Bromoform	ND		0.0349	1	01/10/2024 22:41	WG2204827
Bromomethane	ND	C3	0.0174	1	01/10/2024 22:41	WG2204827
n-Butylbenzene	ND		0.0174	1	01/10/2024 22:41	WG2204827
sec-Butylbenzene	ND	J3	0.0174	1	01/10/2024 22:41	WG2204827
tert-Butylbenzene	ND		0.00698	1	01/10/2024 22:41	WG2204827
Carbon tetrachloride	ND		0.00698	1	01/10/2024 22:41	WG2204827
Chlorobenzene	ND		0.00349	1	01/10/2024 22:41	WG2204827
Chlorodibromomethane	ND		0.00349	1	01/10/2024 22:41	WG2204827
Chloroethane	ND	C3	0.00698	1	01/10/2024 22:41	WG2204827
Chloroform	ND		0.00349	1	01/10/2024 22:41	WG2204827
Chloromethane	ND	C3	0.0174	1	01/10/2024 22:41	WG2204827
2-Chlorotoluene	ND		0.00349	1	01/10/2024 22:41	WG2204827
4-Chlorotoluene	ND		0.00698	1	01/10/2024 22:41	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0349	1	01/10/2024 22:41	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00349	1	01/10/2024 22:41	WG2204827
Dibromomethane	ND		0.00698	1	01/10/2024 22:41	WG2204827
1,2-Dichlorobenzene	ND		0.00698	1	01/10/2024 22:41	WG2204827
1,3-Dichlorobenzene	ND		0.00698	1	01/10/2024 22:41	WG2204827
1,4-Dichlorobenzene	ND		0.00698	1	01/10/2024 22:41	WG2204827
Dichlorodifluoromethane	ND	C3	0.00698	1	01/10/2024 22:41	WG2204827
1,1-Dichloroethane	ND		0.00349	1	01/10/2024 22:41	WG2204827
1,2-Dichloroethane	ND		0.00349	1	01/10/2024 22:41	WG2204827
1,1-Dichloroethene	ND	J3	0.00349	1	01/10/2024 22:41	WG2204827
cis-1,2-Dichloroethene	ND		0.00349	1	01/10/2024 22:41	WG2204827
trans-1,2-Dichloroethene	ND		0.00698	1	01/10/2024 22:41	WG2204827
1,2-Dichloropropane	ND		0.00698	1	01/10/2024 22:41	WG2204827
1,1-Dichloropropene	ND	J3	0.00349	1	01/10/2024 22:41	WG2204827
1,3-Dichloropropane	ND		0.00698	1	01/10/2024 22:41	WG2204827
cis-1,3-Dichloropropene	ND		0.00349	1	01/10/2024 22:41	WG2204827
trans-1,3-Dichloropropene	ND		0.00698	1	01/10/2024 22:41	WG2204827
2,2-Dichloropropane	ND		0.00349	1	01/10/2024 22:41	WG2204827
Di-isopropyl ether	ND		0.00140	1	01/10/2024 22:41	WG2204827
Ethylbenzene	ND		0.00349	1	01/10/2024 22:41	WG2204827
Hexachloro-1,3-butadiene	ND		0.0349	1	01/10/2024 22:41	WG2204827
Isopropylbenzene	ND		0.00349	1	01/10/2024 22:41	WG2204827
p-Isopropyltoluene	ND		0.00698	1	01/10/2024 22:41	WG2204827
2-Butanone (MEK)	ND		0.140	1	01/10/2024 22:41	WG2204827
Methylene Chloride	ND		0.0349	1	01/10/2024 22:41	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0349	1	01/10/2024 22:41	WG2204827
Methyl tert-butyl ether	ND		0.00140	1	01/10/2024 22:41	WG2204827
Naphthalene	ND		0.0174	1	01/10/2024 22:41	WG2204827
n-Propylbenzene	ND		0.00698	1	01/10/2024 22:41	WG2204827
Styrene	ND		0.0174	1	01/10/2024 22:41	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00349	1	01/10/2024 22:41	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00349	1	01/10/2024 22:41	WG2204827
Tetrachloroethene	ND	J3	0.00349	1	01/10/2024 22:41	WG2204827
Toluene	ND		0.00698	1	01/10/2024 22:41	WG2204827
1,2,3-Trichlorobenzene	ND		0.0174	1	01/10/2024 22:41	WG2204827
1,2,4-Trichlorobenzene	ND		0.0174	1	01/10/2024 22:41	WG2204827
1,1,1-Trichloroethane	ND		0.00349	1	01/10/2024 22:41	WG2204827
1,1,2-Trichloroethane	ND		0.00349	1	01/10/2024 22:41	WG2204827
Trichloroethene	ND		0.00140	1	01/10/2024 22:41	WG2204827
Trichlorofluoromethane	ND	C3	0.00349	1	01/10/2024 22:41	WG2204827
1,2,3-Trichloropropane	ND		0.0174	1	01/10/2024 22:41	WG2204827
1,2,4-Trimethylbenzene	ND		0.00698	1	01/10/2024 22:41	WG2204827
1,3,5-Trimethylbenzene	ND		0.00698	1	01/10/2024 22:41	WG2204827
Vinyl chloride	ND	C3 J3	0.00349	1	01/10/2024 22:41	WG2204827
Xylenes, Total	ND		0.00907	1	01/10/2024 22:41	WG2204827
(S) Toluene-d8	101		75.0-131		01/10/2024 22:41	WG2204827
(S) 4-Bromofluorobenzene	109		67.0-138		01/10/2024 22:41	WG2204827
(S) 1,2-Dichloroethane-d4	83.6		70.0-130		01/10/2024 22:41	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0394	1	01/10/2024 18:32	WG2203754
Acenaphthylene	ND		0.0394	1	01/10/2024 18:32	WG2203754
Anthracene	0.0405		0.0394	1	01/10/2024 18:32	WG2203754
Benzidine	ND		1.98	1	01/10/2024 18:32	WG2203754
Benzo(a)anthracene	0.232		0.0394	1	01/10/2024 18:32	WG2203754

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.374		0.0394	1	01/10/2024 18:32	WG2203754
Benzo(k)fluoranthene	0.115		0.0394	1	01/10/2024 18:32	WG2203754
Benzo(g,h,i)perylene	0.179		0.0394	1	01/10/2024 18:32	WG2203754
Benzo(a)pyrene	0.243		0.0394	1	01/10/2024 18:32	WG2203754
Bis(2-chloroethoxy)methane	ND		0.394	1	01/10/2024 18:32	WG2203754
Bis(2-chloroethyl)ether	ND		0.394	1	01/10/2024 18:32	WG2203754
2,2-Oxybis(1-Chloropropane)	ND		0.394	1	01/10/2024 18:32	WG2203754
4-Bromophenyl-phenylether	ND		0.394	1	01/10/2024 18:32	WG2203754
2-Chloronaphthalene	ND		0.0394	1	01/10/2024 18:32	WG2203754
4-Chlorophenyl-phenylether	ND		0.394	1	01/10/2024 18:32	WG2203754
Chrysene	0.267		0.0394	1	01/10/2024 18:32	WG2203754
Dibenz(a,h)anthracene	0.0405		0.0394	1	01/10/2024 18:32	WG2203754
3,3-Dichlorobenzidine	ND		0.394	1	01/10/2024 18:32	WG2203754
2,4-Dinitrotoluene	ND		0.394	1	01/10/2024 18:32	WG2203754
2,6-Dinitrotoluene	ND		0.394	1	01/10/2024 18:32	WG2203754
Fluoranthene	0.699		0.0394	1	01/10/2024 18:32	WG2203754
Fluorene	ND		0.0394	1	01/10/2024 18:32	WG2203754
Hexachlorobenzene	ND		0.394	1	01/10/2024 18:32	WG2203754
Hexachloro-1,3-butadiene	ND		0.394	1	01/10/2024 18:32	WG2203754
Hexachlorocyclopentadiene	ND		0.394	1	01/10/2024 18:32	WG2203754
Hexachloroethane	ND		0.394	1	01/10/2024 18:32	WG2203754
Indeno(1,2,3-cd)pyrene	0.188		0.0394	1	01/10/2024 18:32	WG2203754
Isophorone	ND		0.394	1	01/10/2024 18:32	WG2203754
Naphthalene	ND		0.0394	1	01/10/2024 18:32	WG2203754
Nitrobenzene	ND		0.394	1	01/10/2024 18:32	WG2203754
n-Nitrosodimethylamine	ND		0.394	1	01/10/2024 18:32	WG2203754
n-Nitrosodiphenylamine	ND		0.394	1	01/10/2024 18:32	WG2203754
n-Nitrosodi-n-propylamine	ND		0.394	1	01/10/2024 18:32	WG2203754
Phenanthrene	0.454		0.0394	1	01/10/2024 18:32	WG2203754
Benzylbutyl phthalate	ND		0.394	1	01/10/2024 18:32	WG2203754
Bis(2-ethylhexyl)phthalate	ND		0.394	1	01/10/2024 18:32	WG2203754
Di-n-butyl phthalate	ND		0.394	1	01/10/2024 18:32	WG2203754
Diethyl phthalate	ND		0.394	1	01/10/2024 18:32	WG2203754
Dimethyl phthalate	ND		0.394	1	01/10/2024 18:32	WG2203754
Di-n-octyl phthalate	ND		0.394	1	01/10/2024 18:32	WG2203754
Pyrene	0.544		0.0394	1	01/10/2024 18:32	WG2203754
1,2,4-Trichlorobenzene	ND		0.394	1	01/10/2024 18:32	WG2203754
4-Chloro-3-methylphenol	ND		0.394	1	01/10/2024 18:32	WG2203754
2-Chlorophenol	ND		0.394	1	01/10/2024 18:32	WG2203754
2,4-Dichlorophenol	ND		0.394	1	01/10/2024 18:32	WG2203754
2,4-Dimethylphenol	ND		0.394	1	01/10/2024 18:32	WG2203754
4,6-Dinitro-2-methylphenol	ND		0.394	1	01/10/2024 18:32	WG2203754
2,4-Dinitrophenol	ND		0.394	1	01/10/2024 18:32	WG2203754
2-Nitrophenol	ND		0.394	1	01/10/2024 18:32	WG2203754
4-Nitrophenol	ND		0.394	1	01/10/2024 18:32	WG2203754
Pentachlorophenol	ND		0.394	1	01/10/2024 18:32	WG2203754
Phenol	ND		0.394	1	01/10/2024 18:32	WG2203754
2,4,6-Trichlorophenol	ND		0.394	1	01/10/2024 18:32	WG2203754
(S) 2-Fluorophenol	59.5		12.0-120		01/10/2024 18:32	WG2203754
(S) Phenol-d5	55.1		10.0-120		01/10/2024 18:32	WG2203754
(S) Nitrobenzene-d5	59.8		10.0-122		01/10/2024 18:32	WG2203754
(S) 2-Fluorobiphenyl	61.6		15.0-120		01/10/2024 18:32	WG2203754
(S) 2,4,6-Tribromophenol	68.8		10.0-127		01/10/2024 18:32	WG2203754
(S) p-Terphenyl-d14	66.7		10.0-120		01/10/2024 18:32	WG2203754

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.0		1	01/08/2024 14:36	WG2202922

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.25	1	01/09/2024 11:26	WG2202754

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0606		0.0500	1	01/07/2024 18:35	WG2202629

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.75	5	01/12/2024 13:47	WG2202531
Arsenic	3.61		1.25	5	01/12/2024 13:47	WG2202531
Barium	98.1		3.12	5	01/12/2024 13:47	WG2202531
Beryllium	ND		3.12	5	01/12/2024 13:47	WG2202531
Cadmium	ND		1.25	5	01/12/2024 13:47	WG2202531
Chromium	41.5		6.25	5	01/12/2024 13:47	WG2202531
Cobalt	12.8		1.25	5	01/12/2024 13:47	WG2202531
Copper	25.9		6.25	5	01/12/2024 13:47	WG2202531
Lead	43.2		2.50	5	01/12/2024 13:47	WG2202531
Manganese	573		6.25	10	01/12/2024 15:26	WG2202531
Nickel	25.1		3.12	5	01/12/2024 13:47	WG2202531
Selenium	ND		3.12	5	01/12/2024 13:47	WG2202531
Silver	0.700		0.625	5	01/12/2024 13:47	WG2202531
Thallium	ND		2.50	5	01/12/2024 13:47	WG2202531
Vanadium	46.9		3.12	5	01/12/2024 13:47	WG2202531
Zinc	61.7		31.2	5	01/12/2024 13:47	WG2202531

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0781	1.05	01/10/2024 23:00	WG2204827
Acrylonitrile	ND		0.0195	1.05	01/10/2024 23:00	WG2204827
Benzene	ND		0.00156	1.05	01/10/2024 23:00	WG2204827
Bromobenzene	ND		0.0195	1.05	01/10/2024 23:00	WG2204827
Bromodichloromethane	ND		0.00391	1.05	01/10/2024 23:00	WG2204827
Bromoform	ND		0.0391	1.05	01/10/2024 23:00	WG2204827
Bromomethane	ND	C3	0.0195	1.05	01/10/2024 23:00	WG2204827
n-Butylbenzene	ND		0.0195	1.05	01/10/2024 23:00	WG2204827
sec-Butylbenzene	ND	J3	0.0195	1.05	01/10/2024 23:00	WG2204827
tert-Butylbenzene	ND		0.00781	1.05	01/10/2024 23:00	WG2204827
Carbon tetrachloride	ND		0.00781	1.05	01/10/2024 23:00	WG2204827
Chlorobenzene	ND		0.00391	1.05	01/10/2024 23:00	WG2204827
Chlorodibromomethane	ND		0.00391	1.05	01/10/2024 23:00	WG2204827
Chloroethane	ND	C3	0.00781	1.05	01/10/2024 23:00	WG2204827
Chloroform	ND		0.00391	1.05	01/10/2024 23:00	WG2204827
Chloromethane	ND	C3	0.0195	1.05	01/10/2024 23:00	WG2204827
2-Chlorotoluene	ND		0.00391	1.05	01/10/2024 23:00	WG2204827
4-Chlorotoluene	ND		0.00781	1.05	01/10/2024 23:00	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0391	1.05	01/10/2024 23:00	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00391	1.05	01/10/2024 23:00	WG2204827
Dibromomethane	ND		0.00781	1.05	01/10/2024 23:00	WG2204827
1,2-Dichlorobenzene	ND		0.00781	1.05	01/10/2024 23:00	WG2204827
1,3-Dichlorobenzene	ND		0.00781	1.05	01/10/2024 23:00	WG2204827
1,4-Dichlorobenzene	ND		0.00781	1.05	01/10/2024 23:00	WG2204827
Dichlorodifluoromethane	ND	C3	0.00781	1.05	01/10/2024 23:00	WG2204827
1,1-Dichloroethane	ND		0.00391	1.05	01/10/2024 23:00	WG2204827
1,2-Dichloroethane	ND		0.00391	1.05	01/10/2024 23:00	WG2204827
1,1-Dichloroethene	ND	J3	0.00391	1.05	01/10/2024 23:00	WG2204827
cis-1,2-Dichloroethene	ND		0.00391	1.05	01/10/2024 23:00	WG2204827
trans-1,2-Dichloroethene	ND		0.00781	1.05	01/10/2024 23:00	WG2204827
1,2-Dichloropropane	ND		0.00781	1.05	01/10/2024 23:00	WG2204827
1,1-Dichloropropene	ND	J3	0.00391	1.05	01/10/2024 23:00	WG2204827
1,3-Dichloropropane	ND		0.00781	1.05	01/10/2024 23:00	WG2204827
cis-1,3-Dichloropropene	ND		0.00391	1.05	01/10/2024 23:00	WG2204827
trans-1,3-Dichloropropene	ND		0.00781	1.05	01/10/2024 23:00	WG2204827
2,2-Dichloropropane	ND		0.00391	1.05	01/10/2024 23:00	WG2204827
Di-isopropyl ether	ND		0.00156	1.05	01/10/2024 23:00	WG2204827
Ethylbenzene	ND		0.00391	1.05	01/10/2024 23:00	WG2204827
Hexachloro-1,3-butadiene	ND		0.0391	1.05	01/10/2024 23:00	WG2204827
Isopropylbenzene	ND		0.00391	1.05	01/10/2024 23:00	WG2204827
p-Isopropyltoluene	ND		0.00781	1.05	01/10/2024 23:00	WG2204827
2-Butanone (MEK)	ND		0.156	1.05	01/10/2024 23:00	WG2204827
Methylene Chloride	ND		0.0391	1.05	01/10/2024 23:00	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0391	1.05	01/10/2024 23:00	WG2204827
Methyl tert-butyl ether	ND		0.00156	1.05	01/10/2024 23:00	WG2204827
Naphthalene	ND		0.0195	1.05	01/10/2024 23:00	WG2204827
n-Propylbenzene	ND		0.00781	1.05	01/10/2024 23:00	WG2204827
Styrene	ND		0.0195	1.05	01/10/2024 23:00	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00391	1.05	01/10/2024 23:00	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00391	1.05	01/10/2024 23:00	WG2204827
Tetrachloroethene	ND	J3	0.00391	1.05	01/10/2024 23:00	WG2204827
Toluene	ND		0.00781	1.05	01/10/2024 23:00	WG2204827
1,2,3-Trichlorobenzene	ND		0.0195	1.05	01/10/2024 23:00	WG2204827
1,2,4-Trichlorobenzene	ND		0.0195	1.05	01/10/2024 23:00	WG2204827
1,1,1-Trichloroethane	ND		0.00391	1.05	01/10/2024 23:00	WG2204827
1,1,2-Trichloroethane	ND		0.00391	1.05	01/10/2024 23:00	WG2204827
Trichloroethene	ND		0.00156	1.05	01/10/2024 23:00	WG2204827
Trichlorofluoromethane	ND	C3	0.00391	1.05	01/10/2024 23:00	WG2204827
1,2,3-Trichloropropane	ND		0.0195	1.05	01/10/2024 23:00	WG2204827
1,2,4-Trimethylbenzene	ND		0.00781	1.05	01/10/2024 23:00	WG2204827
1,3,5-Trimethylbenzene	ND		0.00781	1.05	01/10/2024 23:00	WG2204827
Vinyl chloride	ND	C3 J3	0.00391	1.05	01/10/2024 23:00	WG2204827
Xylenes, Total	ND		0.0102	1.05	01/10/2024 23:00	WG2204827
(S) Toluene-d8	99.1		75.0-131		01/10/2024 23:00	WG2204827
(S) 4-Bromofluorobenzene	108		67.0-138		01/10/2024 23:00	WG2204827
(S) 1,2-Dichloroethane-d4	80.7		70.0-130		01/10/2024 23:00	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0832	2	01/10/2024 20:57	WG2203754
Acenaphthylene	ND		0.0832	2	01/10/2024 20:57	WG2203754
Anthracene	0.126		0.0832	2	01/10/2024 20:57	WG2203754
Benzidine	ND		4.17	2	01/10/2024 20:57	WG2203754
Benzo(a)anthracene	0.530		0.0832	2	01/10/2024 20:57	WG2203754

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.676		0.0832	2	01/10/2024 20:57	WG2203754
Benzo(k)fluoranthene	0.211		0.0832	2	01/10/2024 20:57	WG2203754
Benzo(g,h,i)perylene	0.319		0.0832	2	01/10/2024 20:57	WG2203754
Benzo(a)pyrene	0.520		0.0832	2	01/10/2024 20:57	WG2203754
Bis(2-chloroethoxy)methane	ND		0.832	2	01/10/2024 20:57	WG2203754
Bis(2-chloroethyl)ether	ND		0.832	2	01/10/2024 20:57	WG2203754
2,2-Oxybis(1-Chloropropane)	ND		0.832	2	01/10/2024 20:57	WG2203754
4-Bromophenyl-phenylether	ND		0.832	2	01/10/2024 20:57	WG2203754
2-Chloronaphthalene	ND		0.0832	2	01/10/2024 20:57	WG2203754
4-Chlorophenyl-phenylether	ND		0.832	2	01/10/2024 20:57	WG2203754
Chrysene	0.515		0.0832	2	01/10/2024 20:57	WG2203754
Dibenz(a,h)anthracene	ND		0.0832	2	01/10/2024 20:57	WG2203754
3,3-Dichlorobenzidine	ND		0.832	2	01/10/2024 20:57	WG2203754
2,4-Dinitrotoluene	ND		0.832	2	01/10/2024 20:57	WG2203754
2,6-Dinitrotoluene	ND		0.832	2	01/10/2024 20:57	WG2203754
Fluoranthene	1.14		0.0832	2	01/10/2024 20:57	WG2203754
Fluorene	ND		0.0832	2	01/10/2024 20:57	WG2203754
Hexachlorobenzene	ND		0.832	2	01/10/2024 20:57	WG2203754
Hexachloro-1,3-butadiene	ND		0.832	2	01/10/2024 20:57	WG2203754
Hexachlorocyclopentadiene	ND		0.832	2	01/10/2024 20:57	WG2203754
Hexachloroethane	ND		0.832	2	01/10/2024 20:57	WG2203754
Indeno(1,2,3-cd)pyrene	0.339		0.0832	2	01/10/2024 20:57	WG2203754
Isophorone	ND		0.832	2	01/10/2024 20:57	WG2203754
Naphthalene	ND		0.0832	2	01/10/2024 20:57	WG2203754
Nitrobenzene	ND		0.832	2	01/10/2024 20:57	WG2203754
n-Nitrosodimethylamine	ND		0.832	2	01/10/2024 20:57	WG2203754
n-Nitrosodiphenylamine	ND		0.832	2	01/10/2024 20:57	WG2203754
n-Nitrosodi-n-propylamine	ND		0.832	2	01/10/2024 20:57	WG2203754
Phenanthrene	0.711		0.0832	2	01/10/2024 20:57	WG2203754
Benzylbutyl phthalate	ND		0.832	2	01/10/2024 20:57	WG2203754
Bis(2-ethylhexyl)phthalate	ND		0.832	2	01/10/2024 20:57	WG2203754
Di-n-butyl phthalate	ND		0.832	2	01/10/2024 20:57	WG2203754
Diethyl phthalate	ND		0.832	2	01/10/2024 20:57	WG2203754
Dimethyl phthalate	ND		0.832	2	01/10/2024 20:57	WG2203754
Di-n-octyl phthalate	ND		0.832	2	01/10/2024 20:57	WG2203754
Pyrene	1.10		0.0832	2	01/10/2024 20:57	WG2203754
1,2,4-Trichlorobenzene	ND		0.832	2	01/10/2024 20:57	WG2203754
4-Chloro-3-methylphenol	ND		0.832	2	01/10/2024 20:57	WG2203754
2-Chlorophenol	ND		0.832	2	01/10/2024 20:57	WG2203754
2,4-Dichlorophenol	ND		0.832	2	01/10/2024 20:57	WG2203754
2,4-Dimethylphenol	ND		0.832	2	01/10/2024 20:57	WG2203754
4,6-Dinitro-2-methylphenol	ND		0.832	2	01/10/2024 20:57	WG2203754
2,4-Dinitrophenol	ND		0.832	2	01/10/2024 20:57	WG2203754
2-Nitrophenol	ND		0.832	2	01/10/2024 20:57	WG2203754
4-Nitrophenol	ND		0.832	2	01/10/2024 20:57	WG2203754
Pentachlorophenol	ND		0.832	2	01/10/2024 20:57	WG2203754
Phenol	ND		0.832	2	01/10/2024 20:57	WG2203754
2,4,6-Trichlorophenol	ND		0.832	2	01/10/2024 20:57	WG2203754
(S) 2-Fluorophenol	66.5		12.0-120		01/10/2024 20:57	WG2203754
(S) Phenol-d5	61.6		10.0-120		01/10/2024 20:57	WG2203754
(S) Nitrobenzene-d5	65.9		10.0-122		01/10/2024 20:57	WG2203754
(S) 2-Fluorobiphenyl	71.0		15.0-120		01/10/2024 20:57	WG2203754
(S) 2,4,6-Tribromophenol	82.0		10.0-127		01/10/2024 20:57	WG2203754
(S) p-Terphenyl-d14	77.3		10.0-120		01/10/2024 20:57	WG2203754

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	01/07/2024 18:58	WG2202723
Acrolein	ND	J4	50.0	1	01/07/2024 18:58	WG2202723
Acrylonitrile	ND		10.0	1	01/07/2024 18:58	WG2202723
Benzene	ND		1.00	1	01/07/2024 18:58	WG2202723
Bromobenzene	ND		1.00	1	01/07/2024 18:58	WG2202723
Bromodichloromethane	ND		1.00	1	01/07/2024 18:58	WG2202723
Bromoform	ND	C3	1.00	1	01/07/2024 18:58	WG2202723
Bromomethane	ND	C3	5.00	1	01/07/2024 18:58	WG2202723
n-Butylbenzene	ND		1.00	1	01/07/2024 18:58	WG2202723
sec-Butylbenzene	ND		1.00	1	01/07/2024 18:58	WG2202723
tert-Butylbenzene	ND		1.00	1	01/07/2024 18:58	WG2202723
Carbon tetrachloride	ND		1.00	1	01/07/2024 18:58	WG2202723
Chlorobenzene	ND		1.00	1	01/07/2024 18:58	WG2202723
Chlorodibromomethane	ND	J4	1.00	1	01/07/2024 18:58	WG2202723
Chloroethane	ND		5.00	1	01/07/2024 18:58	WG2202723
Chloroform	ND		5.00	1	01/07/2024 18:58	WG2202723
Chloromethane	ND		2.50	1	01/07/2024 18:58	WG2202723
2-Chlorotoluene	ND		1.00	1	01/07/2024 18:58	WG2202723
4-Chlorotoluene	ND		1.00	1	01/07/2024 18:58	WG2202723
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	01/07/2024 18:58	WG2202723
1,2-Dibromoethane	ND		1.00	1	01/07/2024 18:58	WG2202723
Dibromomethane	ND		1.00	1	01/07/2024 18:58	WG2202723
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 18:58	WG2202723
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 18:58	WG2202723
1,4-Dichlorobenzene	ND		1.00	1	01/07/2024 18:58	WG2202723
Dichlorodifluoromethane	ND	J3	5.00	1	01/07/2024 18:58	WG2202723
1,1-Dichloroethane	ND		1.00	1	01/07/2024 18:58	WG2202723
1,2-Dichloroethane	ND		1.00	1	01/07/2024 18:58	WG2202723
1,1-Dichloroethene	ND		1.00	1	01/07/2024 18:58	WG2202723
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 18:58	WG2202723
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 18:58	WG2202723
1,2-Dichloropropane	ND		1.00	1	01/07/2024 18:58	WG2202723
1,1-Dichloropropene	ND		1.00	1	01/07/2024 18:58	WG2202723
1,3-Dichloropropane	ND		1.00	1	01/07/2024 18:58	WG2202723
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 18:58	WG2202723
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 18:58	WG2202723
2,2-Dichloropropane	ND		1.00	1	01/07/2024 18:58	WG2202723
Di-isopropyl ether	ND		1.00	1	01/07/2024 18:58	WG2202723
Ethylbenzene	ND		1.00	1	01/07/2024 18:58	WG2202723
Hexachloro-1,3-butadiene	ND		1.00	1	01/07/2024 18:58	WG2202723
Isopropylbenzene	ND		1.00	1	01/07/2024 18:58	WG2202723
p-Isopropyltoluene	ND		1.00	1	01/07/2024 18:58	WG2202723
2-Butanone (MEK)	ND		10.0	1	01/07/2024 18:58	WG2202723
Methylene Chloride	ND		5.00	1	01/07/2024 18:58	WG2202723
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/07/2024 18:58	WG2202723
Methyl tert-butyl ether	ND		1.00	1	01/07/2024 18:58	WG2202723
Naphthalene	ND	C3	5.00	1	01/07/2024 18:58	WG2202723
n-Propylbenzene	ND		1.00	1	01/07/2024 18:58	WG2202723
Styrene	ND		1.00	1	01/07/2024 18:58	WG2202723
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 18:58	WG2202723
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 18:58	WG2202723
Tetrachloroethene	ND		1.00	1	01/07/2024 18:58	WG2202723
Toluene	ND		1.00	1	01/07/2024 18:58	WG2202723
1,2,3-Trichlorobenzene	ND	C3	1.00	1	01/07/2024 18:58	WG2202723
1,2,4-Trichlorobenzene	ND		1.00	1	01/07/2024 18:58	WG2202723
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 18:58	WG2202723

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 18:58	WG2202723
Trichloroethene	ND		1.00	1	01/07/2024 18:58	WG2202723
Trichlorofluoromethane	ND		5.00	1	01/07/2024 18:58	WG2202723
1,2,3-Trichloropropane	ND		2.50	1	01/07/2024 18:58	WG2202723
1,2,4-Trimethylbenzene	ND		1.00	1	01/07/2024 18:58	WG2202723
1,3,5-Trimethylbenzene	ND		1.00	1	01/07/2024 18:58	WG2202723
Vinyl chloride	ND		1.00	1	01/07/2024 18:58	WG2202723
Xylenes, Total	ND		3.00	1	01/07/2024 18:58	WG2202723
(S) Toluene-d8	104		80.0-120		01/07/2024 18:58	WG2202723
(S) 4-Bromofluorobenzene	100		77.0-126		01/07/2024 18:58	WG2202723
(S) 1,2-Dichloroethane-d4	98.5		70.0-130		01/07/2024 18:58	WG2202723

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

Method Blank (MB)

(MB) R4021129-1 01/08/24 14:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

1 Cp

2 Tc

3 Ss

L1693895-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1693895-02 01/08/24 14:36 • (DUP) R4021129-3 01/08/24 14:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	86.5	85.7	1	1.02		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4021129-2 01/08/24 14:36

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021238-1 01/09/24 07:59

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1693674-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1693674-12 01/09/24 08:20 • (DUP) R4021238-3 01/09/24 08:26

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	55.9	P1	20

L1693895-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1693895-02 01/09/24 09:59 • (DUP) R4021238-8 01/09/24 10:05

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4021238-2 01/09/24 08:07

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.8	108	80.0-120	

L1693877-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693877-20 01/09/24 08:45 • (MS) R4021238-5 01/09/24 08:57 • (MSD) R4021238-6 01/09/24 09:16

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	20.0	ND	19.0	16.3	95.0	81.5	1	75.0-125			15.3	20

L1693895-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693895-05 01/09/24 10:36 • (MS) R4021238-10 01/09/24 10:48 • (MSD) R4021238-11 01/09/24 10:55

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	24.2	ND	14.0	14.5	57.7	60.1	1	75.0-125	<u>J6</u>	<u>J6</u>	4.02	20

1 Cp

2 Tc

3 Ss

L1693877-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1693877-20 01/09/24 08:45 • (MS) R4021238-7 01/09/24 09:22

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	636	ND	585	92.0	50	75.0-125	

4 Cn

5 Sr

6 Qc

L1693895-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1693895-05 01/09/24 10:36 • (MS) R4021238-12 01/09/24 11:01

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	770	ND	736	95.5	50	75.0-125	

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4020607-1 01/07/24 17:35

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4020607-2 01/07/24 17:37

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.436	87.3	80.0-120	

4 Cn

5 Sr

L1693674-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693674-06 01/07/24 17:40 • (MS) R4020607-3 01/07/24 17:42 • (MSD) R4020607-4 01/07/24 17:45

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.500	0.134	0.752	0.682	124	110	1	75.0-125			9.78	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4025715-1 01/24/24 10:34

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	U		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

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

Laboratory Control Sample (LCS)

(LCS) R4025715-2 01/24/24 10:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	103	103	80.0-120	
Arsenic	100	92.5	92.5	80.0-120	
Barium	100	90.5	90.5	80.0-120	
Beryllium	100	80.2	80.2	80.0-120	
Cadmium	100	95.5	95.5	80.0-120	
Chromium	100	92.9	92.9	80.0-120	
Cobalt	100	94.0	94.0	80.0-120	
Copper	100	93.8	93.8	80.0-120	
Lead	100	90.8	90.8	80.0-120	
Manganese	100	93.7	93.7	80.0-120	
Nickel	100	94.1	94.1	80.0-120	
Selenium	100	94.1	94.1	80.0-120	
Silver	20.0	18.4	92.2	80.0-120	
Thallium	100	89.8	89.8	80.0-120	
Vanadium	100	90.4	90.4	80.0-120	
Zinc	100	93.3	93.3	80.0-120	

L1693674-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693674-12 01/24/24 10:41 • (MS) R4025715-5 01/24/24 10:51 • (MSD) R4025715-6 01/24/24 10:54

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	119	ND	140	128	117	107	5	75.0-125			8.46	20
Arsenic	119	2.45	139	140	114	115	5	75.0-125			0.513	20
Barium	119	84.0	217	224	111	117	5	75.0-125			3.36	20
Beryllium	119	ND	127	126	106	105	5	75.0-125			0.325	20
Cadmium	119	ND	144	147	121	123	5	75.0-125			1.99	20
Chromium	119	29.9	182	263	127	195	5	75.0-125	J5	J3 J5	36.4	20
Cobalt	119	13.5	153	156	117	119	5	75.0-125			2.02	20
Copper	119	16.6	159	164	119	123	5	75.0-125			2.78	20
Lead	119	26.4	167	164	118	116	5	75.0-125			1.64	20
Manganese	119	627	561	594	0.000	0.000	5	75.0-125	V	V	5.68	20
Nickel	119	16.7	165	165	124	124	5	75.0-125			0.0292	20
Selenium	119	ND	140	140	117	117	5	75.0-125			0.273	20
Silver	23.9	ND	28.7	28.4	118	118	5	75.0-125			0.777	20
Thallium	119	ND	139	142	116	119	5	75.0-125			2.26	20
Vanadium	119	36.8	184	185	124	124	5	75.0-125			0.387	20
Zinc	119	46.8	188	188	119	119	5	75.0-125			0.0670	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022568-1 01/12/24 11:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	0.238	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	U		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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4022568-2 01/12/24 11:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	111	111	80.0-120	
Arsenic	100	108	108	80.0-120	
Barium	100	105	105	80.0-120	
Beryllium	100	110	110	80.0-120	
Cadmium	100	110	110	80.0-120	
Chromium	100	110	110	80.0-120	
Cobalt	100	110	110	80.0-120	
Copper	100	97.3	97.3	80.0-120	
Lead	100	110	110	80.0-120	
Manganese	100	109	109	80.0-120	
Nickel	100	109	109	80.0-120	
Selenium	100	108	108	80.0-120	
Silver	20.0	21.7	108	80.0-120	
Thallium	100	114	114	80.0-120	
Vanadium	100	107	107	80.0-120	
Zinc	100	106	106	80.0-120	

L1693895-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693895-04 01/12/24 11:48 • (MS) R4022568-5 01/12/24 11:57 • (MSD) R4022568-6 01/12/24 12:01

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	120	ND	52.4	51.4	43.3	42.5	5	75.0-125	J6	J6	1.92	20
Arsenic	120	1.34	123	124	101	102	5	75.0-125			1.17	20
Barium	120	59.0	186	199	105	116	5	75.0-125			6.71	20
Beryllium	120	ND	122	130	101	108	5	75.0-125	E	E	6.76	20
Cadmium	120	ND	127	128	105	107	5	75.0-125			1.35	20
Chromium	120	9.11	136	137	105	106	5	75.0-125			0.617	20
Cobalt	120	4.85	130	133	104	106	5	75.0-125			1.98	20
Copper	120	6.24	122	122	95.9	96.4	5	75.0-125			0.511	20
Lead	120	43.7	169	172	104	106	5	75.0-125			2.06	20
Manganese	120	201	327	349	105	123	5	75.0-125			6.64	20
Nickel	120	6.75	133	133	105	105	5	75.0-125			0.123	20
Selenium	120	ND	123	125	102	103	5	75.0-125			1.43	20
Silver	24.1	ND	25.5	26.2	106	109	5	75.0-125			2.72	20
Thallium	120	ND	127	131	106	108	5	75.0-125			2.66	20
Vanadium	120	17.3	142	144	104	105	5	75.0-125			1.14	20
Zinc	120	ND	149	152	103	105	5	75.0-125			1.87	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4022075-3 01/07/24 14:38

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022075-3 01/07/24 14:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	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	105			80.0-120
(S) 4-Bromofluorobenzene	100			77.0-126
(S) 1,2-Dichloroethane-d4	97.2			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022075-1 01/07/24 13:38 • (LCSD) R4022075-2 01/07/24 13:58

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Acetone	25.0	24.2	23.3	96.8	93.2	19.0-160			3.79	27
Acrolein	25.0	64.8	53.6	259	214	10.0-160	<u>J4</u>	<u>J4</u>	18.9	26
Acrylonitrile	25.0	25.5	23.0	102	92.0	55.0-149			10.3	20
Benzene	5.00	5.37	4.84	107	96.8	70.0-123			10.4	20
Bromobenzene	5.00	5.11	4.85	102	97.0	73.0-121			5.22	20
Bromodichloromethane	5.00	4.83	4.46	96.6	89.2	75.0-120			7.97	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022075-1 01/07/24 13:38 • (LCSD) R4022075-2 01/07/24 13:58

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	3.65	3.40	73.0	68.0	68.0-132			7.09	20
Bromomethane	5.00	3.50	3.42	70.0	68.4	10.0-160			2.31	25
n-Butylbenzene	5.00	4.17	3.98	83.4	79.6	73.0-125			4.66	20
sec-Butylbenzene	5.00	4.62	4.50	92.4	90.0	75.0-125			2.63	20
tert-Butylbenzene	5.00	4.59	4.39	91.8	87.8	76.0-124			4.45	20
Carbon tetrachloride	5.00	4.35	4.26	87.0	85.2	68.0-126			2.09	20
Chlorobenzene	5.00	4.62	4.16	92.4	83.2	80.0-121			10.5	20
Chlorodibromomethane	5.00	4.00	3.77	80.0	75.4	77.0-125		J4	5.92	20
Chloroethane	5.00	6.00	5.37	120	107	47.0-150			11.1	20
Chloroform	5.00	5.21	4.72	104	94.4	73.0-120			9.87	20
Chloromethane	5.00	5.28	4.41	106	88.2	41.0-142			18.0	20
2-Chlorotoluene	5.00	5.00	4.59	100	91.8	76.0-123			8.55	20
4-Chlorotoluene	5.00	4.82	4.49	96.4	89.8	75.0-122			7.09	20
1,2-Dibromo-3-Chloropropane	5.00	3.57	3.44	71.4	68.8	58.0-134			3.71	20
1,2-Dibromoethane	5.00	4.64	4.16	92.8	83.2	80.0-122			10.9	20
Dibromomethane	5.00	5.00	4.58	100	91.6	80.0-120			8.77	20
1,2-Dichlorobenzene	5.00	4.50	4.22	90.0	84.4	79.0-121			6.42	20
1,3-Dichlorobenzene	5.00	4.43	4.19	88.6	83.8	79.0-120			5.57	20
1,4-Dichlorobenzene	5.00	4.41	4.15	88.2	83.0	79.0-120			6.07	20
Dichlorodifluoromethane	5.00	5.70	4.39	114	87.8	51.0-149		J3	26.0	20
1,1-Dichloroethane	5.00	5.25	4.83	105	96.6	70.0-126			8.33	20
1,2-Dichloroethane	5.00	5.35	4.89	107	97.8	70.0-128			8.98	20
1,1-Dichloroethene	5.00	5.09	4.67	102	93.4	71.0-124			8.61	20
cis-1,2-Dichloroethene	5.00	5.08	4.62	102	92.4	73.0-120			9.48	20
trans-1,2-Dichloroethene	5.00	5.19	4.61	104	92.2	73.0-120			11.8	20
1,2-Dichloropropane	5.00	5.16	4.66	103	93.2	77.0-125			10.2	20
1,1-Dichloropropene	5.00	5.21	4.93	104	98.6	74.0-126			5.52	20
1,3-Dichloropropane	5.00	4.98	4.53	99.6	90.6	80.0-120			9.46	20
cis-1,3-Dichloropropene	5.00	5.18	4.63	104	92.6	80.0-123			11.2	20
trans-1,3-Dichloropropene	5.00	4.78	4.24	95.6	84.8	78.0-124			12.0	20
2,2-Dichloropropane	5.00	4.89	4.42	97.8	88.4	58.0-130			10.1	20
Di-isopropyl ether	5.00	5.02	4.51	100	90.2	58.0-138			10.7	20
Ethylbenzene	5.00	4.60	4.33	92.0	86.6	79.0-123			6.05	20
Hexachloro-1,3-butadiene	5.00	4.22	3.86	84.4	77.2	54.0-138			8.91	20
Isopropylbenzene	5.00	4.43	4.19	88.6	83.8	76.0-127			5.57	20
p-Isopropyltoluene	5.00	4.59	4.40	91.8	88.0	76.0-125			4.23	20
2-Butanone (MEK)	25.0	23.4	21.4	93.6	85.6	44.0-160			8.93	20
Methylene Chloride	5.00	5.22	4.76	104	95.2	67.0-120			9.22	20
4-Methyl-2-pentanone (MIBK)	25.0	25.1	22.7	100	90.8	68.0-142			10.0	20
Methyl tert-butyl ether	5.00	5.26	4.70	105	94.0	68.0-125			11.2	20

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

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022075-1 01/07/24 13:38 • (LCSD) R4022075-2 01/07/24 13:58

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	3.41	3.76	68.2	75.2	54.0-135			9.76	20
n-Propylbenzene	5.00	4.93	4.65	98.6	93.0	77.0-124			5.85	20
Styrene	5.00	4.48	4.13	89.6	82.6	73.0-130			8.13	20
1,1,1,2-Tetrachloroethane	5.00	4.09	3.86	81.8	77.2	75.0-125			5.79	20
1,1,2,2-Tetrachloroethane	5.00	5.15	4.77	103	95.4	65.0-130			7.66	20
Tetrachloroethene	5.00	4.36	4.02	87.2	80.4	72.0-132			8.11	20
Toluene	5.00	4.75	4.35	95.0	87.0	79.0-120			8.79	20
1,2,3-Trichlorobenzene	5.00	3.96	4.11	79.2	82.2	50.0-138			3.72	20
1,2,4-Trichlorobenzene	5.00	4.26	4.01	85.2	80.2	57.0-137			6.05	20
1,1,1-Trichloroethane	5.00	4.72	4.43	94.4	88.6	73.0-124			6.34	20
1,1,2-Trichloroethane	5.00	4.87	4.47	97.4	89.4	80.0-120			8.57	20
Trichloroethene	5.00	4.83	4.32	96.6	86.4	78.0-124			11.1	20
Trichlorofluoromethane	5.00	4.48	4.45	89.6	89.0	59.0-147			0.672	20
1,2,3-Trichloropropane	5.00	5.03	4.58	101	91.6	73.0-130			9.37	20
1,2,4-Trimethylbenzene	5.00	4.76	4.36	95.2	87.2	76.0-121			8.77	20
1,3,5-Trimethylbenzene	5.00	4.69	4.39	93.8	87.8	76.0-122			6.61	20
Vinyl chloride	5.00	5.96	5.13	119	103	67.0-131			15.0	20
Xylenes, Total	15.0	13.7	12.5	91.3	83.3	79.0-123			9.16	20
(S) Toluene-d8				101	101	80.0-120				
(S) 4-Bromofluorobenzene				99.2	99.2	77.0-126				
(S) 1,2-Dichloroethane-d4				97.9	97.6	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022115-3 01/10/24 19:38

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	0.00190	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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022115-3 01/10/24 19:38

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	0.000900	↓	0.000880	0.00650
(S) Toluene-d8	100			75.0-131
(S) 4-Bromofluorobenzene	107			67.0-138
(S) 1,2-Dichloroethane-d4	86.8			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022115-1 01/10/24 18:03 • (LCSD) R4022115-2 01/10/24 18:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.477	0.510	76.3	81.6	10.0-160			6.69	31
Acrylonitrile	0.625	0.646	0.701	103	112	45.0-153			8.17	22
Benzene	0.125	0.114	0.128	91.2	102	70.0-123			11.6	20
Bromobenzene	0.125	0.111	0.126	88.8	101	73.0-121			12.7	20
Bromodichloromethane	0.125	0.124	0.134	99.2	107	73.0-121			7.75	20
Bromoform	0.125	0.130	0.145	104	116	64.0-132			10.9	20
Bromomethane	0.125	0.0789	0.0926	63.1	74.1	56.0-147			16.0	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022115-1 01/10/24 18:03 • (LCSD) R4022115-2 01/10/24 18:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.124	0.146	99.2	117	68.0-135			16.3	20
sec-Butylbenzene	0.125	0.111	0.136	88.8	109	74.0-130		J3	20.2	20
tert-Butylbenzene	0.125	0.115	0.137	92.0	110	75.0-127			17.5	20
Carbon tetrachloride	0.125	0.110	0.133	88.0	106	66.0-128			18.9	20
Chlorobenzene	0.125	0.118	0.135	94.4	108	76.0-128			13.4	20
Chlorodibromomethane	0.125	0.125	0.139	100	111	74.0-127			10.6	20
Chloroethane	0.125	0.0849	0.0997	67.9	79.8	61.0-134			16.0	20
Chloroform	0.125	0.113	0.127	90.4	102	72.0-123			11.7	20
Chloromethane	0.125	0.0926	0.112	74.1	89.6	51.0-138			19.0	20
2-Chlorotoluene	0.125	0.113	0.128	90.4	102	75.0-124			12.4	20
4-Chlorotoluene	0.125	0.110	0.125	88.0	100	75.0-124			12.8	20
1,2-Dibromo-3-Chloropropane	0.125	0.0957	0.112	76.6	89.6	59.0-130			15.7	20
1,2-Dibromoethane	0.125	0.124	0.138	99.2	110	74.0-128			10.7	20
Dibromomethane	0.125	0.117	0.132	93.6	106	75.0-122			12.0	20
1,2-Dichlorobenzene	0.125	0.117	0.129	93.6	103	76.0-124			9.76	20
1,3-Dichlorobenzene	0.125	0.110	0.126	88.0	101	76.0-125			13.6	20
1,4-Dichlorobenzene	0.125	0.109	0.123	87.2	98.4	77.0-121			12.1	20
Dichlorodifluoromethane	0.125	0.0876	0.105	70.1	84.0	43.0-156			18.1	20
1,1-Dichloroethane	0.125	0.121	0.134	96.8	107	70.0-127			10.2	20
1,2-Dichloroethane	0.125	0.103	0.114	82.4	91.2	65.0-131			10.1	20
1,1-Dichloroethene	0.125	0.104	0.128	83.2	102	65.0-131		J3	20.7	20
cis-1,2-Dichloroethene	0.125	0.121	0.135	96.8	108	73.0-125			10.9	20
trans-1,2-Dichloroethene	0.125	0.117	0.137	93.6	110	71.0-125			15.7	20
1,2-Dichloropropane	0.125	0.131	0.143	105	114	74.0-125			8.76	20
1,1-Dichloropropene	0.125	0.108	0.133	86.4	106	73.0-125		J3	20.7	20
1,3-Dichloropropane	0.125	0.121	0.132	96.8	106	80.0-125			8.70	20
cis-1,3-Dichloropropene	0.125	0.139	0.149	111	119	76.0-127			6.94	20
trans-1,3-Dichloropropene	0.125	0.121	0.138	96.8	110	73.0-127			13.1	20
2,2-Dichloropropane	0.125	0.123	0.142	98.4	114	59.0-135			14.3	20
Di-isopropyl ether	0.125	0.125	0.136	100	109	60.0-136			8.43	20
Ethylbenzene	0.125	0.116	0.131	92.8	105	74.0-126			12.1	20
Hexachloro-1,3-butadiene	0.125	0.118	0.144	94.4	115	57.0-150			19.8	20
Isopropylbenzene	0.125	0.118	0.142	94.4	114	72.0-127			18.5	20
p-Isopropyltoluene	0.125	0.119	0.141	95.2	113	72.0-133			16.9	20
2-Butanone (MEK)	0.625	0.672	0.625	108	100	30.0-160			7.25	24
Methylene Chloride	0.125	0.116	0.130	92.8	104	68.0-123			11.4	20
4-Methyl-2-pentanone (MIBK)	0.625	0.614	0.668	98.2	107	56.0-143			8.42	20
Methyl tert-butyl ether	0.125	0.119	0.133	95.2	106	66.0-132			11.1	20
Naphthalene	0.125	0.112	0.134	89.6	107	59.0-130			17.9	20
n-Propylbenzene	0.125	0.108	0.127	86.4	102	74.0-126			16.2	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022115-1 01/10/24 18:03 • (LCSD) R4022115-2 01/10/24 18:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Styrene	0.125	0.120	0.135	96.0	108	72.0-127			11.8	20
1,1,1,2-Tetrachloroethane	0.125	0.114	0.130	91.2	104	74.0-129			13.1	20
1,1,2,2-Tetrachloroethane	0.125	0.110	0.124	88.0	99.2	68.0-128			12.0	20
Tetrachloroethene	0.125	0.109	0.136	87.2	109	70.0-136		J3	22.0	20
Toluene	0.125	0.109	0.128	87.2	102	75.0-121			16.0	20
1,2,3-Trichlorobenzene	0.125	0.107	0.120	85.6	96.0	59.0-139			11.5	20
1,2,4-Trichlorobenzene	0.125	0.108	0.123	86.4	98.4	62.0-137			13.0	20
1,1,1-Trichloroethane	0.125	0.111	0.130	88.8	104	69.0-126			15.8	20
1,1,2-Trichloroethane	0.125	0.121	0.133	96.8	106	78.0-123			9.45	20
Trichloroethene	0.125	0.116	0.137	92.8	110	76.0-126			16.6	20
Trichlorofluoromethane	0.125	0.0954	0.114	76.3	91.2	61.0-142			17.8	20
1,2,3-Trichloropropane	0.125	0.107	0.121	85.6	96.8	67.0-129			12.3	20
1,2,4-Trimethylbenzene	0.125	0.111	0.131	88.8	105	70.0-126			16.5	20
1,3,5-Trimethylbenzene	0.125	0.112	0.132	89.6	106	73.0-127			16.4	20
Vinyl chloride	0.125	0.0941	0.118	75.3	94.4	63.0-134		J3	22.5	20
Xylenes, Total	0.375	0.353	0.398	94.1	106	72.0-127			12.0	20
(S) Toluene-d8				97.8	98.4	75.0-131				
(S) 4-Bromofluorobenzene				108	107	67.0-138				
(S) 1,2-Dichloroethane-d4				92.8	91.3	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023668-2 01/10/24 23:04

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023668-2 01/10/24 23:04

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	81.1			12.0-120
(S) Phenol-d5	80.2			10.0-120
(S) Nitrobenzene-d5	78.4			10.0-122
(S) 2-Fluorobiphenyl	82.3			15.0-120
(S) 2,4,6-Tribromophenol	64.3			10.0-127
(S) p-Terphenyl-d14	91.0			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4023668-1 01/10/24 22:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.515	77.3	38.0-120	
Acenaphthylene	0.666	0.526	79.0	40.0-120	
Anthracene	0.666	0.559	83.9	42.0-120	
Benzidine	1.33	0.440	33.1	10.0-120	
Benzo(a)anthracene	0.666	0.562	84.4	44.0-120	
Benzo(b)fluoranthene	0.666	0.549	82.4	43.0-120	
Benzo(k)fluoranthene	0.666	0.527	79.1	44.0-120	
Benzo(g,h,i)perylene	0.666	0.599	89.9	43.0-120	
Benzo(a)pyrene	0.666	0.544	81.7	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.445	66.8	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.455	68.3	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.492	73.9	23.0-120	
4-Bromophenyl-phenylether	0.666	0.492	73.9	40.0-120	
2-Chloronaphthalene	0.666	0.517	77.6	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4023668-1 01/10/24 22:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.513	77.0	40.0-120	
Chrysene	0.666	0.547	82.1	43.0-120	
Dibenz(a,h)anthracene	0.666	0.556	83.5	44.0-120	
3,3-Dichlorobenzidine	1.33	0.977	73.5	28.0-120	
2,4-Dinitrotoluene	0.666	0.615	92.3	45.0-120	
2,6-Dinitrotoluene	0.666	0.562	84.4	42.0-120	
Fluoranthene	0.666	0.535	80.3	44.0-120	
Fluorene	0.666	0.531	79.7	41.0-120	
Hexachlorobenzene	0.666	0.488	73.3	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.386	58.0	15.0-120	
Hexachlorocyclopentadiene	0.666	0.580	87.1	15.0-120	
Hexachloroethane	0.666	0.464	69.7	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.519	77.9	45.0-120	
Isophorone	0.666	0.465	69.8	23.0-120	
Naphthalene	0.666	0.414	62.2	18.0-120	
Nitrobenzene	0.666	0.455	68.3	17.0-120	
n-Nitrosodimethylamine	0.666	0.454	68.2	10.0-125	
n-Nitrosodiphenylamine	0.666	0.538	80.8	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.547	82.1	26.0-120	
Phenanthrene	0.666	0.539	80.9	42.0-120	
Benzylbutyl phthalate	0.666	0.631	94.7	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.646	97.0	41.0-120	
Di-n-butyl phthalate	0.666	0.574	86.2	43.0-120	
Diethyl phthalate	0.666	0.559	83.9	43.0-120	
Dimethyl phthalate	0.666	0.558	83.8	43.0-120	
Di-n-octyl phthalate	0.666	0.644	96.7	40.0-120	
Pyrene	0.666	0.576	86.5	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.396	59.5	17.0-120	
4-Chloro-3-methylphenol	0.666	0.427	64.1	28.0-120	
2-Chlorophenol	0.666	0.514	77.2	28.0-120	
2,4-Dichlorophenol	0.666	0.400	60.1	25.0-120	
2,4-Dimethylphenol	0.666	0.584	87.7	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.508	76.3	16.0-120	
2,4-Dinitrophenol	0.666	0.362	54.4	10.0-120	
2-Nitrophenol	0.666	0.446	67.0	20.0-120	
4-Nitrophenol	0.666	0.527	79.1	27.0-120	
Pentachlorophenol	0.666	0.411	61.7	29.0-120	
Phenol	0.666	0.509	76.4	28.0-120	
2,4,6-Trichlorophenol	0.666	0.483	72.5	37.0-120	
(S) 2-Fluorophenol			80.2	12.0-120	

¹Cp

²Tc

³Ss

⁴Cn

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⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4023668-1 01/10/24 22:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
(S) Phenol-d5			77.9	10.0-120	
(S) Nitrobenzene-d5			62.2	10.0-122	
(S) 2-Fluorobiphenyl			79.0	15.0-120	
(S) 2,4,6-Tribromophenol			71.8	10.0-127	
(S) p-Terphenyl-d14			85.6	10.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4021971-2 01/10/24 15:18

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4021971-2 01/10/24 15:18

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	66.7			12.0-120
(S) Phenol-d5	60.5			10.0-120
(S) Nitrobenzene-d5	64.6			10.0-122
(S) 2-Fluorobiphenyl	70.3			15.0-120
(S) 2,4,6-Tribromophenol	70.7			10.0-127
(S) p-Terphenyl-d14	77.8			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4021971-1 01/10/24 14:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.509	76.4	38.0-120	
Acenaphthylene	0.666	0.536	80.5	40.0-120	
Anthracene	0.666	0.557	83.6	42.0-120	
Benzidine	1.33	0.256	19.2	10.0-120	
Benzo(a)anthracene	0.666	0.599	89.9	44.0-120	
Benzo(b)fluoranthene	0.666	0.577	86.6	43.0-120	
Benzo(k)fluoranthene	0.666	0.543	81.5	44.0-120	
Benzo(g,h,i)perylene	0.666	0.587	88.1	43.0-120	
Benzo(a)pyrene	0.666	0.579	86.9	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.411	61.7	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.550	82.6	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.471	70.7	23.0-120	
4-Bromophenyl-phenylether	0.666	0.576	86.5	40.0-120	
2-Chloronaphthalene	0.666	0.517	77.6	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4021971-1 01/10/24 14:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.562	84.4	40.0-120	
Chrysene	0.666	0.568	85.3	43.0-120	
Dibenz(a,h)anthracene	0.666	0.599	89.9	44.0-120	
3,3-Dichlorobenzidine	1.33	0.958	72.0	28.0-120	
2,4-Dinitrotoluene	0.666	0.636	95.5	45.0-120	
2,6-Dinitrotoluene	0.666	0.569	85.4	42.0-120	
Fluoranthene	0.666	0.585	87.8	44.0-120	
Fluorene	0.666	0.543	81.5	41.0-120	
Hexachlorobenzene	0.666	0.551	82.7	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.466	70.0	15.0-120	
Hexachlorocyclopentadiene	0.666	0.525	78.8	15.0-120	
Hexachloroethane	0.666	0.448	67.3	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.563	84.5	45.0-120	
Isophorone	0.666	0.400	60.1	23.0-120	
Naphthalene	0.666	0.407	61.1	18.0-120	
Nitrobenzene	0.666	0.401	60.2	17.0-120	
n-Nitrosodimethylamine	0.666	0.367	55.1	10.0-125	
n-Nitrosodiphenylamine	0.666	0.551	82.7	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.498	74.8	26.0-120	
Phenanthrene	0.666	0.531	79.7	42.0-120	
Benzylbutyl phthalate	0.666	0.598	89.8	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.590	88.6	41.0-120	
Di-n-butyl phthalate	0.666	0.582	87.4	43.0-120	
Diethyl phthalate	0.666	0.564	84.7	43.0-120	
Dimethyl phthalate	0.666	0.568	85.3	43.0-120	
Di-n-octyl phthalate	0.666	0.613	92.0	40.0-120	
Pyrene	0.666	0.576	86.5	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.459	68.9	17.0-120	
4-Chloro-3-methylphenol	0.666	0.476	71.5	28.0-120	
2-Chlorophenol	0.666	0.497	74.6	28.0-120	
2,4-Dichlorophenol	0.666	0.481	72.2	25.0-120	
2,4-Dimethylphenol	0.666	0.546	82.0	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.499	74.9	16.0-120	
2,4-Dinitrophenol	0.666	0.365	54.8	10.0-120	
2-Nitrophenol	0.666	0.484	72.7	20.0-120	
4-Nitrophenol	0.666	0.519	77.9	27.0-120	
Pentachlorophenol	0.666	0.491	73.7	29.0-120	
Phenol	0.666	0.464	69.7	28.0-120	
2,4,6-Trichlorophenol	0.666	0.575	86.3	37.0-120	
(S) 2-Fluorophenol			79.1	12.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4021971-1 01/10/24 14:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			72.2	10.0-120	
(S) Nitrobenzene-d5			61.9	10.0-122	
(S) 2-Fluorobiphenyl			82.6	15.0-120	
(S) 2,4,6-Tribromophenol			90.7	10.0-127	
(S) p-Terphenyl-d14			88.6	10.0-120	

L1692332-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692332-04 01/10/24 22:58 • (MS) R4021971-3 01/10/24 23:22 • (MSD) R4021971-4 01/10/24 23:46

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 %
Acenaphthene	1.25	ND	0.432	0.443	34.6	34.3	9.35	18.0-120			2.51	32
Acenaphthylene	1.25	ND	0.438	0.447	35.0	34.7	9.35	25.0-120			2.03	32
Anthracene	1.25	ND	0.535	0.538	29.5	28.8	9.35	22.0-120			0.559	29
Benzidine	2.50	ND	ND	ND	42.8	39.9	9.35	10.0-120			3.81	40
Benzo(a)anthracene	1.25	ND	0.524	0.528	41.9	40.9	9.35	25.0-120			0.760	29
Benzo(b)fluoranthene	1.25	ND	0.554	0.600	19.2	22.2	9.35	19.0-122			7.97	31
Benzo(k)fluoranthene	1.25	ND	0.416	0.429	33.3	33.3	9.35	23.0-120			3.08	30
Benzo(g,h,i)perylene	1.25	ND	0.411	0.428	32.9	33.2	9.35	10.0-120			4.05	33
Benzo(a)pyrene	1.25	ND	0.463	0.474	37.0	36.7	9.35	24.0-120			2.35	30
Bis(2-chlorethoxy)methane	1.25	ND	ND	ND	32.0	30.9	9.35	10.0-120			0.501	34
Bis(2-chloroethyl)ether	1.25	ND	ND	ND	31.2	29.5	9.35	10.0-120			2.60	40
2,2-Oxybis(1-Chloropropane)	1.25	ND	ND	ND	33.8	28.2	9.35	10.0-120			14.8	40
4-Bromophenyl-phenylether	1.25	ND	ND	ND	38.6	39.1	9.35	27.0-120			4.46	30
2-Chloronaphthalene	1.25	ND	0.414	0.407	19.2	18.1	9.35	20.0-120	J6	J6	1.71	32
4-Chlorophenyl-phenylether	1.25	ND	ND	ND	38.0	36.2	9.35	24.0-120			1.70	29
Chrysene	1.25	ND	0.497	0.505	39.8	39.1	9.35	21.0-120			1.60	29
Dibenz(a,h)anthracene	1.25	1.92	0.891	1.16	0.000	0.000	9.35	10.0-120	J6	J6	26.2	32
3,3-Dichlorobenzidine	2.50	ND	ND	ND	39.1	37.5	9.35	10.0-120			1.13	34
2,4-Dinitrotoluene	1.25	ND	ND	ND	29.2	29.2	9.35	30.0-120	J6	J6	3.23	31
2,6-Dinitrotoluene	1.25	ND	ND	ND	36.7	36.4	9.35	25.0-120			2.16	31
Fluoranthene	1.25	ND	0.547	0.567	29.1	29.8	9.35	18.0-126			3.59	32
Fluorene	1.25	ND	0.528	0.505	33.8	30.9	9.35	25.0-120			4.45	30
Hexachlorobenzene	1.25	ND	ND	ND	37.4	36.5	9.35	27.0-120			0.639	28
Hexachloro-1,3-butadiene	1.25	ND	ND	ND	38.2	35.2	9.35	10.0-120			5.15	38
Hexachlorocyclopentadiene	1.25	ND	ND	ND	0.000	0.000	9.35	10.0-120	J6	J6	0.000	40
Hexachloroethane	1.25	ND	ND	ND	29.0	33.3	9.35	10.0-120			16.9	40
Indeno(1,2,3-cd)pyrene	1.25	ND	0.421	0.434	33.7	33.6	9.35	10.0-120			3.04	32
Isophorone	1.25	ND	ND	ND	30.8	30.0	9.35	13.0-120			0.518	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1692332-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692332-04 01/10/24 22:58 • (MS) R4021971-3 01/10/24 23:22 • (MSD) R4021971-4 01/10/24 23:46

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 %
Naphthalene	1.25	ND	0.439	0.423	35.1	32.8	9.35	10.0-120			3.71	35
Nitrobenzene	1.25	ND	ND	ND	31.3	30.5	9.35	10.0-120			0.510	36
n-Nitrosodimethylamine	1.25	ND	ND	ND	0.000	0.000	9.35	10.0-127	J6	J6	0.000	40
n-Nitrosodiphenylamine	1.25	ND	ND	ND	42.6	44.5	9.35	17.0-120			7.41	29
n-Nitrosodi-n-propylamine	1.25	ND	ND	ND	32.5	29.6	9.35	10.0-120			6.09	37
Phenanthrene	1.25	1.70	1.88	1.16	14.4	0.000	9.35	17.0-120	J6	J3 J6	47.4	31
Benzylbutyl phthalate	1.25	ND	ND	ND	43.4	41.9	9.35	23.0-120			0.369	30
Bis(2-ethylhexyl)phthalate	1.25	ND	ND	ND	0.000	0.000	9.35	17.0-126	J6	J3 J6	34.8	30
Di-n-butyl phthalate	1.25	ND	ND	ND	39.0	38.4	9.35	30.0-120			1.63	29
Diethyl phthalate	1.25	ND	ND	ND	37.4	36.4	9.35	26.0-120			0.213	28
Dimethyl phthalate	1.25	ND	ND	ND	0.000	0.000	9.35	25.0-120	J6	J6	0.000	29
Di-n-octyl phthalate	1.25	ND	ND	ND	42.7	43.4	9.35	21.0-123			4.75	29
Pyrene	1.25	ND	0.562	0.637	19.8	25.0	9.35	16.0-121			12.5	32
1,2,4-Trichlorobenzene	1.25	ND	ND	ND	36.3	34.4	9.35	12.0-120			2.23	37
4-Chloro-3-methylphenol	1.25	ND	ND	ND	37.5	37.0	9.35	15.0-120			1.69	30
2-Chlorophenol	1.25	ND	ND	ND	32.3	31.5	9.35	15.0-120			0.494	37
2,4-Dichlorophenol	1.25	ND	ND	ND	39.1	37.0	9.35	20.0-120			2.48	31
2,4-Dimethylphenol	1.25	ND	ND	ND	43.8	39.8	9.35	10.0-120			6.40	33
4,6-Dinitro-2-methylphenol	1.25	ND	ND	ND	90.4	90.7	9.35	10.0-120			3.48	39
2,4-Dinitrophenol	1.25	ND	ND	ND	0.000	131	9.35	10.0-121	J6	J3 J5	200	40
2-Nitrophenol	1.25	ND	ND	ND	36.9	36.9	9.35	12.0-120			3.20	39
4-Nitrophenol	1.25	ND	ND	ND	35.3	32.5	9.35	10.0-137			5.12	32
Pentachlorophenol	1.25	ND	ND	ND	34.6	35.2	9.35	10.0-160			4.97	31
Phenol	1.25	ND	ND	ND	30.6	30.0	9.35	12.0-120			1.04	38
2,4,6-Trichlorophenol	1.25	ND	ND	ND	36.2	35.8	9.35	19.0-120			1.97	32
(S) 2-Fluorophenol					32.6	33.5		12.0-120				
(S) Phenol-d5					29.4	30.1		10.0-120				
(S) Nitrobenzene-d5					32.9	30.7		10.0-122				
(S) 2-Fluorobiphenyl					34.1	34.9		15.0-120				
(S) 2,4,6-Tribromophenol					38.2	37.3		10.0-127				
(S) p-Terphenyl-d14					39.4	38.0		10.0-120				

Sample Narrative:

OS: Dilution due to matrix.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023903-2 01/12/24 17:41

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023903-2 01/12/24 17:41

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	75.4			12.0-120
(S) Phenol-d5	71.0			10.0-120
(S) Nitrobenzene-d5	66.7			10.0-122
(S) 2-Fluorobiphenyl	65.5			15.0-120
(S) 2,4,6-Tribromophenol	57.5			10.0-127
(S) p-Terphenyl-d14	76.0			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4023903-1 01/12/24 17:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.518	77.8	38.0-120	
Acenaphthylene	0.666	0.530	79.6	40.0-120	
Anthracene	0.666	0.577	86.6	42.0-120	
Benzidine	1.33	0.522	39.2	10.0-120	
Benzo(a)anthracene	0.666	0.571	85.7	44.0-120	
Benzo(b)fluoranthene	0.666	0.562	84.4	43.0-120	
Benzo(k)fluoranthene	0.666	0.547	82.1	44.0-120	
Benzo(g,h,i)perylene	0.666	0.613	92.0	43.0-120	
Benzo(a)pyrene	0.666	0.563	84.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.450	67.6	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.541	81.2	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.509	76.4	23.0-120	
4-Bromophenyl-phenylether	0.666	0.508	76.3	40.0-120	
2-Chloronaphthalene	0.666	0.507	76.1	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4023903-1 01/12/24 17:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.529	79.4	40.0-120	
Chrysene	0.666	0.548	82.3	43.0-120	
Dibenz(a,h)anthracene	0.666	0.573	86.0	44.0-120	
3,3-Dichlorobenzidine	1.33	0.955	71.8	28.0-120	
2,4-Dinitrotoluene	0.666	0.631	94.7	45.0-120	
2,6-Dinitrotoluene	0.666	0.588	88.3	42.0-120	
Fluoranthene	0.666	0.554	83.2	44.0-120	
Fluorene	0.666	0.542	81.4	41.0-120	
Hexachlorobenzene	0.666	0.498	74.8	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.398	59.8	15.0-120	
Hexachlorocyclopentadiene	0.666	0.572	85.9	15.0-120	
Hexachloroethane	0.666	0.496	74.5	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.535	80.3	45.0-120	
Isophorone	0.666	0.467	70.1	23.0-120	
Naphthalene	0.666	0.428	64.3	18.0-120	
Nitrobenzene	0.666	0.464	69.7	17.0-120	
n-Nitrosodimethylamine	0.666	0.574	86.2	10.0-125	
n-Nitrosodiphenylamine	0.666	0.557	83.6	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.569	85.4	26.0-120	
Phenanthrene	0.666	0.550	82.6	42.0-120	
Benzylbutyl phthalate	0.666	0.627	94.1	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.655	98.3	41.0-120	
Di-n-butyl phthalate	0.666	0.592	88.9	43.0-120	
Diethyl phthalate	0.666	0.567	85.1	43.0-120	
Dimethyl phthalate	0.666	0.560	84.1	43.0-120	
Di-n-octyl phthalate	0.666	0.651	97.7	40.0-120	
Pyrene	0.666	0.588	88.3	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.406	61.0	17.0-120	
4-Chloro-3-methylphenol	0.666	0.464	69.7	28.0-120	
2-Chlorophenol	0.666	0.543	81.5	28.0-120	
2,4-Dichlorophenol	0.666	0.428	64.3	25.0-120	
2,4-Dimethylphenol	0.666	0.697	105	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.514	77.2	16.0-120	
2,4-Dinitrophenol	0.666	0.371	55.7	10.0-120	
2-Nitrophenol	0.666	0.456	68.5	20.0-120	
4-Nitrophenol	0.666	0.565	84.8	27.0-120	
Pentachlorophenol	0.666	0.428	64.3	29.0-120	
Phenol	0.666	0.536	80.5	28.0-120	
2,4,6-Trichlorophenol	0.666	0.498	74.8	37.0-120	
(S) 2-Fluorophenol			85.9	12.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4023903-1 01/12/24 17:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			83.8	10.0-120	
(S) Nitrobenzene-d5			76.9	10.0-122	
(S) 2-Fluorobiphenyl			79.3	15.0-120	
(S) 2,4,6-Tribromophenol			74.0	10.0-127	
(S) p-Terphenyl-d14			84.4	10.0-120	

L1694719-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694719-04 01/12/24 20:56 • (MS) R4023903-3 01/12/24 21:21 • (MSD) R4023903-4 01/12/24 21:45

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	0.757	ND	0.416	0.439	54.9	57.8	1	18.0-120			5.43	32
Acenaphthylene	0.757	ND	0.421	0.449	55.7	59.2	1	25.0-120			6.40	32
Anthracene	0.757	ND	0.457	0.490	60.4	64.5	1	22.0-120			6.86	29
Benzidine	1.51	ND	ND	ND	35.2	32.2	1	10.0-120			8.18	40
Benzo(a)anthracene	0.757	ND	0.463	0.495	61.2	65.1	1	25.0-120			6.55	29
Benzo(b)fluoranthene	0.757	ND	0.452	0.478	59.7	63.0	1	19.0-122			5.74	31
Benzo(k)fluoranthene	0.757	ND	0.430	0.464	56.7	61.2	1	23.0-120			7.79	30
Benzo(g,h,i)perylene	0.757	ND	0.436	0.469	57.7	61.8	1	10.0-120			7.18	33
Benzo(a)pyrene	0.757	ND	0.452	0.482	59.7	63.5	1	24.0-120			6.47	30
Bis(2-chlorethoxy)methane	0.757	ND	ND	0.394	49.1	51.8	1	10.0-120			5.77	34
Bis(2-chloroethyl)ether	0.757	ND	0.421	0.439	55.7	57.8	1	10.0-120			4.05	40
2,2-Oxybis(1-Chloropropane)	0.757	ND	0.410	0.410	54.1	54.0	1	10.0-120			0.000	40
4-Bromophenyl-phenylether	0.757	ND	0.410	0.445	54.1	58.6	1	27.0-120			8.15	30
2-Chloronaphthalene	0.757	ND	0.409	0.431	54.0	56.7	1	20.0-120			5.26	32
4-Chlorophenyl-phenylether	0.757	ND	0.421	0.443	55.7	58.4	1	24.0-120			5.10	29
Chrysene	0.757	ND	0.440	0.476	58.1	62.7	1	21.0-120			7.86	29
Dibenz(a,h)anthracene	0.757	ND	0.428	0.465	56.6	61.3	1	10.0-120			8.31	32
3,3-Dichlorobenzidine	1.51	ND	0.897	0.966	59.5	63.5	1	10.0-120			7.35	34
2,4-Dinitrotoluene	0.757	ND	0.504	0.534	66.6	70.3	1	30.0-120			5.82	31
2,6-Dinitrotoluene	0.757	ND	0.454	0.493	60.0	65.0	1	25.0-120			8.33	31
Fluoranthene	0.757	ND	0.450	0.479	59.5	63.1	1	18.0-126			6.24	32
Fluorene	0.757	ND	0.430	0.462	56.7	60.9	1	25.0-120			7.29	30
Hexachlorobenzene	0.757	ND	0.407	0.424	53.8	55.8	1	27.0-120			3.91	28
Hexachloro-1,3-butadiene	0.757	ND	ND	ND	43.4	45.7	1	10.0-120			5.50	38
Hexachlorocyclopentadiene	0.757	ND	ND	ND	33.4	36.2	1	10.0-120			8.35	40
Hexachloroethane	0.757	ND	ND	0.409	50.6	53.8	1	10.0-120			6.45	40
Indeno(1,2,3-cd)pyrene	0.757	ND	0.397	0.423	52.5	55.7	1	10.0-120			6.23	32
Isophorone	0.757	ND	0.387	0.406	51.1	53.5	1	13.0-120			4.98	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1694719-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694719-04 01/12/24 20:56 • (MS) R4023903-3 01/12/24 21:21 • (MSD) R4023903-4 01/12/24 21:45

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	0.757	ND	0.356	0.370	47.1	48.8	1	10.0-120			3.83	35
Nitrobenzene	0.757	ND	ND	0.399	50.2	52.6	1	10.0-120			5.07	36
n-Nitrosodimethylamine	0.757	ND	0.420	0.446	55.5	58.7	1	10.0-127			5.90	40
n-Nitrosodiphenylamine	0.757	ND	0.452	0.478	59.7	63.0	1	17.0-120			5.74	29
n-Nitrosodi-n-propylamine	0.757	ND	0.468	0.465	61.8	61.3	1	10.0-120			0.498	37
Phenanthrene	0.757	ND	0.445	0.468	58.7	61.6	1	17.0-120			5.09	31
Benzylbutyl phthalate	0.757	ND	0.521	0.553	68.9	72.8	1	23.0-120			5.84	30
Bis(2-ethylhexyl)phthalate	0.757	ND	0.528	0.566	69.8	74.6	1	17.0-126			7.00	30
Di-n-butyl phthalate	0.757	ND	0.476	0.508	62.9	67.0	1	30.0-120			6.60	29
Diethyl phthalate	0.757	ND	0.452	0.490	59.7	64.5	1	26.0-120			8.14	28
Dimethyl phthalate	0.757	ND	0.447	0.484	59.0	63.8	1	25.0-120			7.98	29
Di-n-octyl phthalate	0.757	ND	0.540	0.585	71.3	77.1	1	21.0-123			8.05	29
Pyrene	0.757	ND	0.468	0.500	61.8	65.9	1	16.0-121			6.71	32
1,2,4-Trichlorobenzene	0.757	ND	ND	ND	44.3	46.9	1	12.0-120			6.04	37
4-Chloro-3-methylphenol	0.757	ND	0.390	0.402	51.5	52.9	1	15.0-120			2.93	30
2-Chlorophenol	0.757	ND	0.436	0.447	57.7	58.9	1	15.0-120			2.37	37
2,4-Dichlorophenol	0.757	ND	ND	ND	48.2	50.2	1	20.0-120			4.36	31
2,4-Dimethylphenol	0.757	ND	0.598	0.615	79.0	81.0	1	10.0-120			2.87	33
4,6-Dinitro-2-methylphenol	0.757	ND	ND	ND	35.1	41.0	1	10.0-120			15.7	39
2,4-Dinitrophenol	0.757	ND	ND	ND	26.5	32.0	1	10.0-121			18.8	40
2-Nitrophenol	0.757	ND	ND	0.399	50.2	52.6	1	12.0-120			5.07	39
4-Nitrophenol	0.757	ND	0.476	0.512	62.9	67.4	1	10.0-137			7.29	32
Pentachlorophenol	0.757	ND	0.398	0.432	52.6	56.9	1	10.0-160			8.11	31
Phenol	0.757	ND	0.427	0.431	56.4	56.7	1	12.0-120			0.812	38
2,4,6-Trichlorophenol	0.757	ND	0.407	0.425	53.8	56.0	1	19.0-120			4.18	32
(S) 2-Fluorophenol					62.0	63.6		12.0-120				
(S) Phenol-d5					59.8	61.0		10.0-120				
(S) Nitrobenzene-d5					45.4	50.8		10.0-122				
(S) 2-Fluorobiphenyl					54.6	58.7		15.0-120				
(S) 2,4,6-Tribromophenol					53.8	58.1		10.0-127				
(S) p-Terphenyl-d14					59.5	64.8		10.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Qualifier	Description
-----------	-------------

V	The sample concentration is too high to evaluate accurate spike recoveries.
---	-----------------------------------------------------------------------------

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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	LA000356
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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@concurrency.com)

Analysis / Container / Preservative										
Pres										
Chk										

Chain of Custody Page ___ of ___



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/rubfi/pas-standard-terms.pdf>

SPC # **1693895**
B159

Acctnum: **SMERLNC**
 Template: **T243915**
 Prelogin: **P1044755**
 PM: **034 - Craig Cothron**
 PB:

Shipped Via: **FedEX Ground**

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 #
23050630

Lab Project #
SMERLNC-NORTHGATE

Collected by (print):
Cristina Parra

Site/Facility ID #

P.O. #

Collected by (signature):
CP

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

Immediately Packed on Ice N ___ Y **X**

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	Metals 2ozClr-NoPres	SPLP/TCLP GOLD 4ozClr-NoPres	SV8270, TS 4ozClr-NoPres	V8260 40mlAmb-HCl-Bik	V8260 40mlAmb/MeOH10ml/Syr	SVDCS 8270	18 Metals 6020	Mercury 7471	He X - Carbon 7199	Remarks	Sample # (lab only)
825-SB-119	C	SS	0-1	1/5/24	1130	4	X	X	X		X	X	X	X	X		-01
825-SB-120		SS			0955	4	X	X	X		X	X	X	X	X		-02
825-SB-121		SS			1000	4	X	X	X		X	X	X	X	X		-03
825-SB-122		SS			1140	4	X	X	X		X	X	X	X	X		-04
825-SB-123		SS			1145	4	X	X	X		X	X	X	X	X		-05
825-SB-124		SS			1150	4	X	X	X		X	X	X	X	X		-06
825-SB-125		SS			1155	4	X	X	X		X	X	X	X	X		-07
825-SB-126		SS			1005	4	X	X	X		X	X	X	X	X		-08
825-SB-127		SS			1010	4	X	X	X		X	X	X	X	X		-09
Trip Blank		SS				4	X	X	X		X						-10

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: **SPLP/TCLP on hold**

pH ___ Temp ___
 Flow ___ Other ___

Samples returned via:
 ___ UPS ___ FedEx ___ Courier

Tracking # **7155 0298 3330**

Sample Receipt Checklist

Correctly Labeled Present/Intact:	NP	Y	N
Correctly Signed/Accurate:		Y	N
Labels arrive intact:		Y	N
Correct bottles used:		Y	N
Sufficient volume sent:		Y	N
If Applicable			
VOX Zero Headspace:		Y	N
Preservation Correct/Checked:		Y	N
RAD Screen <0.5 mR/hr:		Y	N

Relinquished by: (Signature)
CP

Date: **1/5/24**
 Time: **12300**

Received by: (Signature)

Trip Blank Received: Yes/No
 HCL/MeOH
 TBR

Relinquished by: (Signature)

Date:

Received by: (Signature)

Temp: **CCA 8** °C
 Bottles Received: **3.570 = 3.5**

If preservation required by Login: Date/Time

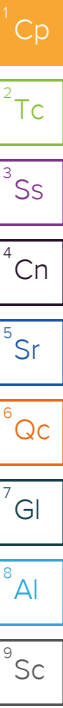
Relinquished by: (Signature)

Date:

Received for lab by: (Signature)
JP

Date: **1-6-24**
 Time: **9:00**

Hold: Condition: **NCF / OK**

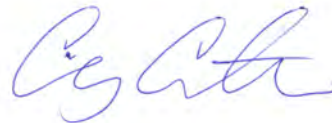


S&ME Inc. - Raleigh NC

Sample Delivery Group: L1693898
Samples Received: 01/06/2024
Project Number: 23050630
Description: Northgate Park

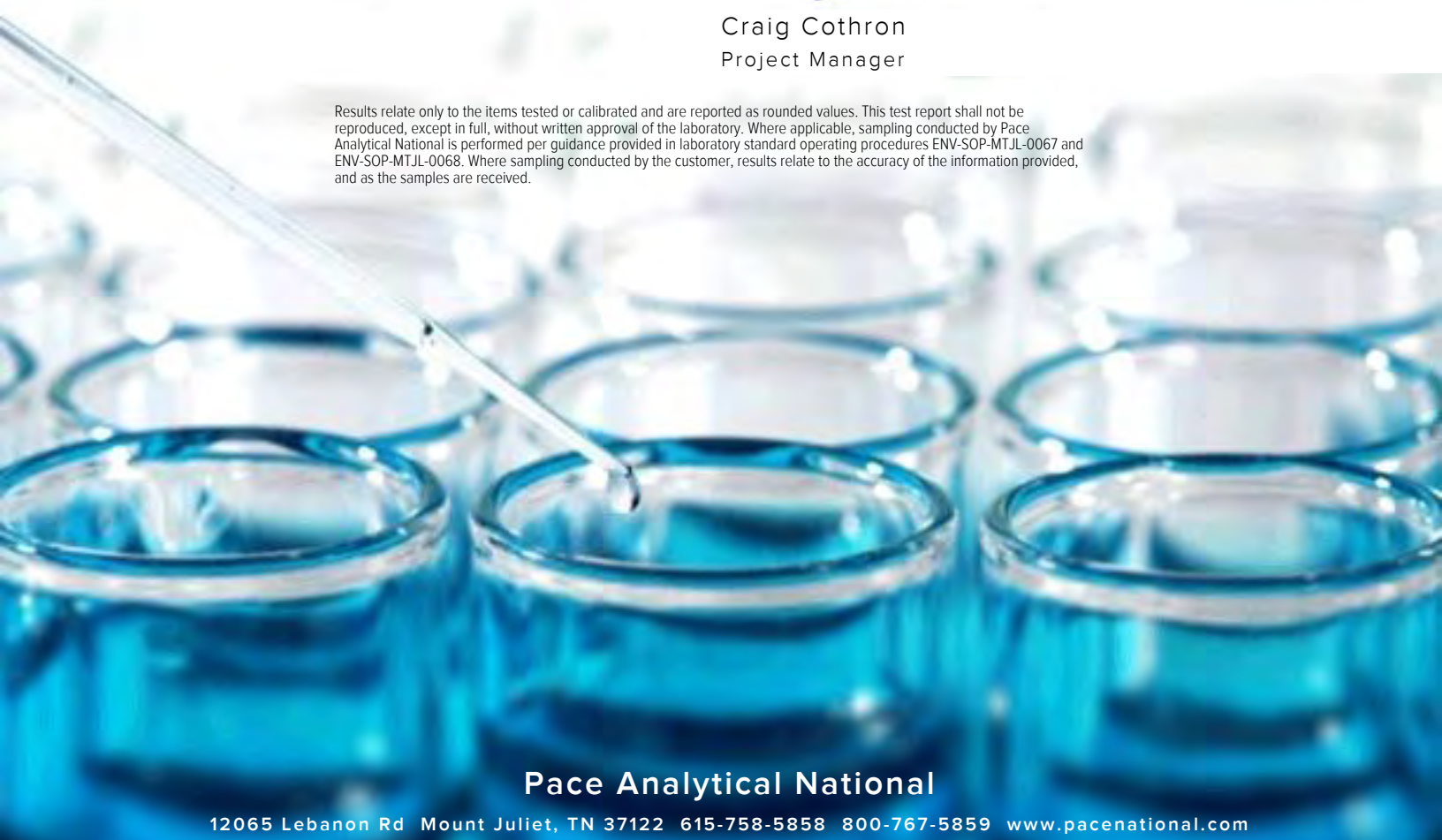
Report To: Mr. Jerry Paul
3201 Spring Forest Road
Raleigh, NC 27616

Entire Report Reviewed By:



Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

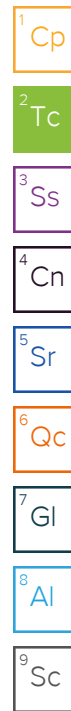


Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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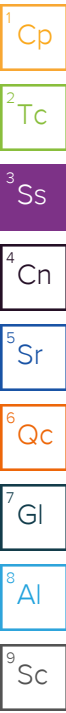


SAMPLE SUMMARY

825-SB-109 L1693898-01 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 10:30
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2203097	1	01/09/24 10:01	01/09/24 10:07	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2203617	1	01/09/24 11:29	01/10/24 07:28	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2203579	1	01/09/24 11:22	01/10/24 10:06	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2203584	5	01/09/24 12:19	01/26/24 14:03	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1.07	01/05/24 10:30	01/10/24 23:19	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203754	2	01/10/24 07:51	01/10/24 19:45	JCH	Mt. Juliet, TN



825-SB-110 L1693898-02 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 10:35
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2203097	1	01/09/24 10:01	01/09/24 10:07	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2203617	1	01/09/24 11:29	01/10/24 07:35	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2203579	1	01/09/24 11:22	01/10/24 10:16	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2203584	5	01/09/24 12:19	01/26/24 14:19	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1	01/05/24 10:35	01/10/24 23:38	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203754	1	01/10/24 07:51	01/10/24 17:44	JCH	Mt. Juliet, TN

825-SB-111 L1693898-03 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 10:40
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2203098	1	01/09/24 09:16	01/09/24 09:29	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2203617	1	01/09/24 11:29	01/10/24 07:47	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2203579	1	01/09/24 11:22	01/10/24 10:18	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2203584	5	01/09/24 12:19	01/26/24 14:23	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1.11	01/05/24 10:40	01/10/24 23:57	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203754	1	01/10/24 07:51	01/10/24 18:08	JCH	Mt. Juliet, TN

825-SB-112 L1693898-04 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 11:05
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2203098	1	01/09/24 09:16	01/09/24 09:29	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2203617	1	01/09/24 11:29	01/10/24 07:53	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2203579	1	01/09/24 11:22	01/10/24 10:21	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2203584	5	01/09/24 12:19	01/26/24 14:26	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1	01/05/24 11:05	01/11/24 00:16	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203754	2	01/10/24 07:51	01/10/24 21:21	JCH	Mt. Juliet, TN

825-SB-113 L1693898-05 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 11:10
 Received date/time 01/06/24 09:00

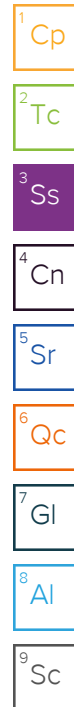
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2203098	1	01/09/24 09:16	01/09/24 09:29	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2203617	1	01/09/24 11:29	01/10/24 07:59	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2203579	1	01/09/24 11:22	01/10/24 10:23	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2203584	5	01/09/24 12:19	01/26/24 14:43	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1.04	01/05/24 11:10	01/11/24 00:35	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203754	2	01/10/24 07:51	01/10/24 21:45	JCH	Mt. Juliet, TN

SAMPLE SUMMARY

825-SB-114 L1693898-06 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 09:45
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2203098	1	01/09/24 09:16	01/09/24 09:29	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2203617	1	01/09/24 11:29	01/10/24 08:05	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2203579	1	01/09/24 11:22	01/10/24 10:31	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2203584	5	01/09/24 12:19	01/26/24 14:47	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1.12	01/05/24 09:45	01/11/24 00:54	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203754	2	01/10/24 07:51	01/10/24 22:09	JCH	Mt. Juliet, TN



825-SB-115 L1693898-07 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 09:50
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2203098	1	01/09/24 09:16	01/09/24 09:29	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2203617	1	01/09/24 11:29	01/10/24 08:12	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2203579	1	01/09/24 11:22	01/10/24 10:33	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2203584	5	01/09/24 12:19	01/26/24 14:56	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1.13	01/05/24 09:50	01/11/24 01:13	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203754	2	01/10/24 07:51	01/10/24 20:33	JCH	Mt. Juliet, TN

825-SB-116 L1693898-08 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 11:15
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2203098	1	01/09/24 09:16	01/09/24 09:29	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2203617	1	01/09/24 11:29	01/10/24 08:30	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2203579	1	01/09/24 11:22	01/10/24 10:36	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2203584	5	01/09/24 12:19	01/26/24 15:00	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1.45	01/05/24 11:15	01/11/24 01:32	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203754	1	01/10/24 07:51	01/10/24 18:56	JCH	Mt. Juliet, TN

825-SB-117 L1693898-09 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 11:20
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2203098	1	01/09/24 09:16	01/09/24 09:29	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2203617	1	01/09/24 11:29	01/10/24 09:01	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2203579	1	01/09/24 11:22	01/10/24 10:38	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2203584	5	01/09/24 12:19	01/26/24 15:03	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1.06	01/05/24 11:20	01/11/24 01:51	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203754	1	01/10/24 07:51	01/10/24 19:20	JCH	Mt. Juliet, TN

825-SB-118 L1693898-10 Solid

Collected by Chelsea Parra
 Collected date/time 01/05/24 11:25
 Received date/time 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2203098	1	01/09/24 09:16	01/09/24 09:29	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2203617	1	01/09/24 11:29	01/10/24 09:07	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2203579	1	01/09/24 11:22	01/10/24 10:41	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2203584	5	01/09/24 12:19	01/26/24 15:06	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204827	1.27	01/05/24 11:25	01/11/24 02:10	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2203754	2	01/10/24 07:51	01/10/24 20:09	JCH	Mt. Juliet, TN

SAMPLE SUMMARY

TRIP BLANK L1693898-11 GW

Collected by
Chelsea Parra

Collected date/time
01/05/24 00:00

Received date/time
01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2202723	1	01/07/24 19:18	01/07/24 19:18	JHH	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

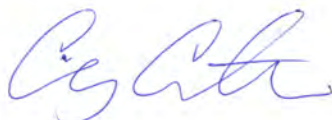
⁷Gl

⁸Al

⁹Sc

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.8		1	01/09/2024 10:07	WG2203097

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.22	1	01/10/2024 07:28	WG2203617

Mercury by Method 7471B

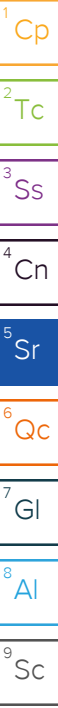
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND	J3 O1	0.0489	1	01/10/2024 10:06	WG2203579

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.67	5	01/26/2024 14:03	WG2203584
Arsenic	1.46		1.22	5	01/26/2024 14:03	WG2203584
Barium	61.1		3.05	5	01/26/2024 14:03	WG2203584
Beryllium	ND		3.05	5	01/26/2024 14:03	WG2203584
Cadmium	ND		1.22	5	01/26/2024 14:03	WG2203584
Chromium	19.5		6.11	5	01/26/2024 14:03	WG2203584
Cobalt	7.66		1.22	5	01/26/2024 14:03	WG2203584
Copper	12.1		6.11	5	01/26/2024 14:03	WG2203584
Lead	22.5		2.44	5	01/26/2024 14:03	WG2203584
Manganese	203		3.05	5	01/26/2024 14:03	WG2203584
Nickel	12.7		3.05	5	01/26/2024 14:03	WG2203584
Selenium	ND		3.05	5	01/26/2024 14:03	WG2203584
Silver	ND		0.611	5	01/26/2024 14:03	WG2203584
Thallium	ND		2.44	5	01/26/2024 14:03	WG2203584
Vanadium	39.3		3.05	5	01/26/2024 14:03	WG2203584
Zinc	37.9		30.5	5	01/26/2024 14:03	WG2203584

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0765	1.07	01/10/2024 23:19	WG2204827
Acrylonitrile	ND		0.0192	1.07	01/10/2024 23:19	WG2204827
Benzene	ND		0.00153	1.07	01/10/2024 23:19	WG2204827
Bromobenzene	ND		0.0192	1.07	01/10/2024 23:19	WG2204827
Bromodichloromethane	ND		0.00383	1.07	01/10/2024 23:19	WG2204827
Bromoform	ND		0.0383	1.07	01/10/2024 23:19	WG2204827
Bromomethane	ND	C3	0.0192	1.07	01/10/2024 23:19	WG2204827
n-Butylbenzene	ND		0.0192	1.07	01/10/2024 23:19	WG2204827
sec-Butylbenzene	ND	J3	0.0192	1.07	01/10/2024 23:19	WG2204827
tert-Butylbenzene	ND		0.00765	1.07	01/10/2024 23:19	WG2204827
Carbon tetrachloride	ND		0.00765	1.07	01/10/2024 23:19	WG2204827
Chlorobenzene	ND		0.00383	1.07	01/10/2024 23:19	WG2204827
Chlorodibromomethane	ND		0.00383	1.07	01/10/2024 23:19	WG2204827
Chloroethane	ND	C3	0.00765	1.07	01/10/2024 23:19	WG2204827
Chloroform	ND		0.00383	1.07	01/10/2024 23:19	WG2204827
Chloromethane	ND	C3	0.0192	1.07	01/10/2024 23:19	WG2204827
2-Chlorotoluene	ND		0.00383	1.07	01/10/2024 23:19	WG2204827
4-Chlorotoluene	ND		0.00765	1.07	01/10/2024 23:19	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0383	1.07	01/10/2024 23:19	WG2204827



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00383	1.07	01/10/2024 23:19	WG2204827
Dibromomethane	ND		0.00765	1.07	01/10/2024 23:19	WG2204827
1,2-Dichlorobenzene	ND		0.00765	1.07	01/10/2024 23:19	WG2204827
1,3-Dichlorobenzene	ND		0.00765	1.07	01/10/2024 23:19	WG2204827
1,4-Dichlorobenzene	ND		0.00765	1.07	01/10/2024 23:19	WG2204827
Dichlorodifluoromethane	ND	C3	0.00765	1.07	01/10/2024 23:19	WG2204827
1,1-Dichloroethane	ND		0.00383	1.07	01/10/2024 23:19	WG2204827
1,2-Dichloroethane	ND		0.00383	1.07	01/10/2024 23:19	WG2204827
1,1-Dichloroethene	ND	J3	0.00383	1.07	01/10/2024 23:19	WG2204827
cis-1,2-Dichloroethene	ND		0.00383	1.07	01/10/2024 23:19	WG2204827
trans-1,2-Dichloroethene	ND		0.00765	1.07	01/10/2024 23:19	WG2204827
1,2-Dichloropropane	ND		0.00765	1.07	01/10/2024 23:19	WG2204827
1,1-Dichloropropene	ND	J3	0.00383	1.07	01/10/2024 23:19	WG2204827
1,3-Dichloropropane	ND		0.00765	1.07	01/10/2024 23:19	WG2204827
cis-1,3-Dichloropropene	ND		0.00383	1.07	01/10/2024 23:19	WG2204827
trans-1,3-Dichloropropene	ND		0.00765	1.07	01/10/2024 23:19	WG2204827
2,2-Dichloropropane	ND		0.00383	1.07	01/10/2024 23:19	WG2204827
Di-isopropyl ether	ND		0.00153	1.07	01/10/2024 23:19	WG2204827
Ethylbenzene	ND		0.00383	1.07	01/10/2024 23:19	WG2204827
Hexachloro-1,3-butadiene	ND		0.0383	1.07	01/10/2024 23:19	WG2204827
Isopropylbenzene	ND		0.00383	1.07	01/10/2024 23:19	WG2204827
p-Isopropyltoluene	ND		0.00765	1.07	01/10/2024 23:19	WG2204827
2-Butanone (MEK)	ND		0.153	1.07	01/10/2024 23:19	WG2204827
Methylene Chloride	ND		0.0383	1.07	01/10/2024 23:19	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0383	1.07	01/10/2024 23:19	WG2204827
Methyl tert-butyl ether	ND		0.00153	1.07	01/10/2024 23:19	WG2204827
Naphthalene	ND		0.0192	1.07	01/10/2024 23:19	WG2204827
n-Propylbenzene	ND		0.00765	1.07	01/10/2024 23:19	WG2204827
Styrene	ND		0.0192	1.07	01/10/2024 23:19	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00383	1.07	01/10/2024 23:19	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00383	1.07	01/10/2024 23:19	WG2204827
Tetrachloroethene	ND	J3	0.00383	1.07	01/10/2024 23:19	WG2204827
Toluene	ND		0.00765	1.07	01/10/2024 23:19	WG2204827
1,2,3-Trichlorobenzene	ND		0.0192	1.07	01/10/2024 23:19	WG2204827
1,2,4-Trichlorobenzene	ND		0.0192	1.07	01/10/2024 23:19	WG2204827
1,1,1-Trichloroethane	ND		0.00383	1.07	01/10/2024 23:19	WG2204827
1,1,2-Trichloroethane	ND		0.00383	1.07	01/10/2024 23:19	WG2204827
Trichloroethene	ND		0.00153	1.07	01/10/2024 23:19	WG2204827
Trichlorofluoromethane	ND	C3	0.00383	1.07	01/10/2024 23:19	WG2204827
1,2,3-Trichloropropane	ND		0.0192	1.07	01/10/2024 23:19	WG2204827
1,2,4-Trimethylbenzene	ND		0.00765	1.07	01/10/2024 23:19	WG2204827
1,3,5-Trimethylbenzene	ND		0.00765	1.07	01/10/2024 23:19	WG2204827
Vinyl chloride	ND	C3 J3	0.00383	1.07	01/10/2024 23:19	WG2204827
Xylenes, Total	ND		0.00995	1.07	01/10/2024 23:19	WG2204827
(S) Toluene-d8	100		75.0-131		01/10/2024 23:19	WG2204827
(S) 4-Bromofluorobenzene	108		67.0-138		01/10/2024 23:19	WG2204827
(S) 1,2-Dichloroethane-d4	83.6		70.0-130		01/10/2024 23:19	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0814	2	01/10/2024 19:45	WG2203754
Acenaphthylene	ND		0.0814	2	01/10/2024 19:45	WG2203754
Anthracene	ND		0.0814	2	01/10/2024 19:45	WG2203754
Benzidine	ND		4.08	2	01/10/2024 19:45	WG2203754
Benzo(a)anthracene	ND		0.0814	2	01/10/2024 19:45	WG2203754

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0814	2	01/10/2024 19:45	WG2203754
Benzo(k)fluoranthene	ND		0.0814	2	01/10/2024 19:45	WG2203754
Benzo(g,h,i)perylene	ND		0.0814	2	01/10/2024 19:45	WG2203754
Benzo(a)pyrene	ND		0.0814	2	01/10/2024 19:45	WG2203754
Bis(2-chloroethoxy)methane	ND		0.814	2	01/10/2024 19:45	WG2203754
Bis(2-chloroethyl)ether	ND		0.814	2	01/10/2024 19:45	WG2203754
2,2-Oxybis(1-Chloropropane)	ND		0.814	2	01/10/2024 19:45	WG2203754
4-Bromophenyl-phenylether	ND		0.814	2	01/10/2024 19:45	WG2203754
2-Chloronaphthalene	ND		0.0814	2	01/10/2024 19:45	WG2203754
4-Chlorophenyl-phenylether	ND		0.814	2	01/10/2024 19:45	WG2203754
Chrysene	ND		0.0814	2	01/10/2024 19:45	WG2203754
Dibenz(a,h)anthracene	ND		0.0814	2	01/10/2024 19:45	WG2203754
3,3-Dichlorobenzidine	ND		0.814	2	01/10/2024 19:45	WG2203754
2,4-Dinitrotoluene	ND		0.814	2	01/10/2024 19:45	WG2203754
2,6-Dinitrotoluene	ND		0.814	2	01/10/2024 19:45	WG2203754
Fluoranthene	ND		0.0814	2	01/10/2024 19:45	WG2203754
Fluorene	ND		0.0814	2	01/10/2024 19:45	WG2203754
Hexachlorobenzene	ND		0.814	2	01/10/2024 19:45	WG2203754
Hexachloro-1,3-butadiene	ND		0.814	2	01/10/2024 19:45	WG2203754
Hexachlorocyclopentadiene	ND		0.814	2	01/10/2024 19:45	WG2203754
Hexachloroethane	ND		0.814	2	01/10/2024 19:45	WG2203754
Indeno(1,2,3-cd)pyrene	ND		0.0814	2	01/10/2024 19:45	WG2203754
Isophorone	ND		0.814	2	01/10/2024 19:45	WG2203754
Naphthalene	ND		0.0814	2	01/10/2024 19:45	WG2203754
Nitrobenzene	ND		0.814	2	01/10/2024 19:45	WG2203754
n-Nitrosodimethylamine	ND		0.814	2	01/10/2024 19:45	WG2203754
n-Nitrosodiphenylamine	ND		0.814	2	01/10/2024 19:45	WG2203754
n-Nitrosodi-n-propylamine	ND		0.814	2	01/10/2024 19:45	WG2203754
Phenanthrene	ND		0.0814	2	01/10/2024 19:45	WG2203754
Benzylbutyl phthalate	ND		0.814	2	01/10/2024 19:45	WG2203754
Bis(2-ethylhexyl)phthalate	ND		0.814	2	01/10/2024 19:45	WG2203754
Di-n-butyl phthalate	ND		0.814	2	01/10/2024 19:45	WG2203754
Diethyl phthalate	ND		0.814	2	01/10/2024 19:45	WG2203754
Dimethyl phthalate	ND		0.814	2	01/10/2024 19:45	WG2203754
Di-n-octyl phthalate	ND		0.814	2	01/10/2024 19:45	WG2203754
Pyrene	ND		0.0814	2	01/10/2024 19:45	WG2203754
1,2,4-Trichlorobenzene	ND		0.814	2	01/10/2024 19:45	WG2203754
4-Chloro-3-methylphenol	ND		0.814	2	01/10/2024 19:45	WG2203754
2-Chlorophenol	ND		0.814	2	01/10/2024 19:45	WG2203754
2,4-Dichlorophenol	ND		0.814	2	01/10/2024 19:45	WG2203754
2,4-Dimethylphenol	ND		0.814	2	01/10/2024 19:45	WG2203754
4,6-Dinitro-2-methylphenol	ND		0.814	2	01/10/2024 19:45	WG2203754
2,4-Dinitrophenol	ND		0.814	2	01/10/2024 19:45	WG2203754
2-Nitrophenol	ND		0.814	2	01/10/2024 19:45	WG2203754
4-Nitrophenol	ND		0.814	2	01/10/2024 19:45	WG2203754
Pentachlorophenol	ND		0.814	2	01/10/2024 19:45	WG2203754
Phenol	ND		0.814	2	01/10/2024 19:45	WG2203754
2,4,6-Trichlorophenol	ND		0.814	2	01/10/2024 19:45	WG2203754
(S) 2-Fluorophenol	66.6		12.0-120		01/10/2024 19:45	WG2203754
(S) Phenol-d5	60.8		10.0-120		01/10/2024 19:45	WG2203754
(S) Nitrobenzene-d5	66.1		10.0-122		01/10/2024 19:45	WG2203754
(S) 2-Fluorobiphenyl	67.6		15.0-120		01/10/2024 19:45	WG2203754
(S) 2,4,6-Tribromophenol	79.9		10.0-127		01/10/2024 19:45	WG2203754
(S) p-Terphenyl-d14	76.1		10.0-120		01/10/2024 19:45	WG2203754

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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L1693898-01 WG2203754: Dilution due to matrix impact during extract concentration procedure.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.1		1	01/09/2024 10:07	WG2203097

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.28	1	01/10/2024 07:35	WG2203617

Mercury by Method 7471B

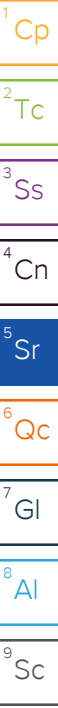
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0578		0.0512	1	01/10/2024 10:16	WG2203579

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.84	5	01/26/2024 14:19	WG2203584
Arsenic	1.82		1.28	5	01/26/2024 14:19	WG2203584
Barium	88.3		3.20	5	01/26/2024 14:19	WG2203584
Beryllium	ND		3.20	5	01/26/2024 14:19	WG2203584
Cadmium	ND		1.28	5	01/26/2024 14:19	WG2203584
Chromium	15.6		6.40	5	01/26/2024 14:19	WG2203584
Cobalt	7.56		1.28	5	01/26/2024 14:19	WG2203584
Copper	14.2		6.40	5	01/26/2024 14:19	WG2203584
Lead	34.7		2.56	5	01/26/2024 14:19	WG2203584
Manganese	598		3.20	5	01/26/2024 14:19	WG2203584
Nickel	11.5		3.20	5	01/26/2024 14:19	WG2203584
Selenium	ND		3.20	5	01/26/2024 14:19	WG2203584
Silver	ND		0.640	5	01/26/2024 14:19	WG2203584
Thallium	ND		2.56	5	01/26/2024 14:19	WG2203584
Vanadium	24.2		3.20	5	01/26/2024 14:19	WG2203584
Zinc	87.1		32.0	5	01/26/2024 14:19	WG2203584

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0793	1	01/10/2024 23:38	WG2204827
Acrylonitrile	ND		0.0198	1	01/10/2024 23:38	WG2204827
Benzene	ND		0.00159	1	01/10/2024 23:38	WG2204827
Bromobenzene	ND		0.0198	1	01/10/2024 23:38	WG2204827
Bromodichloromethane	ND		0.00397	1	01/10/2024 23:38	WG2204827
Bromoform	ND		0.0397	1	01/10/2024 23:38	WG2204827
Bromomethane	ND	C3	0.0198	1	01/10/2024 23:38	WG2204827
n-Butylbenzene	ND		0.0198	1	01/10/2024 23:38	WG2204827
sec-Butylbenzene	ND	J3	0.0198	1	01/10/2024 23:38	WG2204827
tert-Butylbenzene	ND		0.00793	1	01/10/2024 23:38	WG2204827
Carbon tetrachloride	ND		0.00793	1	01/10/2024 23:38	WG2204827
Chlorobenzene	ND		0.00397	1	01/10/2024 23:38	WG2204827
Chlorodibromomethane	ND		0.00397	1	01/10/2024 23:38	WG2204827
Chloroethane	ND	C3	0.00793	1	01/10/2024 23:38	WG2204827
Chloroform	ND		0.00397	1	01/10/2024 23:38	WG2204827
Chloromethane	ND	C3	0.0198	1	01/10/2024 23:38	WG2204827
2-Chlorotoluene	ND		0.00397	1	01/10/2024 23:38	WG2204827
4-Chlorotoluene	ND		0.00793	1	01/10/2024 23:38	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0397	1	01/10/2024 23:38	WG2204827



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00397	1	01/10/2024 23:38	WG2204827
Dibromomethane	ND		0.00793	1	01/10/2024 23:38	WG2204827
1,2-Dichlorobenzene	ND		0.00793	1	01/10/2024 23:38	WG2204827
1,3-Dichlorobenzene	ND		0.00793	1	01/10/2024 23:38	WG2204827
1,4-Dichlorobenzene	ND		0.00793	1	01/10/2024 23:38	WG2204827
Dichlorodifluoromethane	ND	C3	0.00793	1	01/10/2024 23:38	WG2204827
1,1-Dichloroethane	ND		0.00397	1	01/10/2024 23:38	WG2204827
1,2-Dichloroethane	ND		0.00397	1	01/10/2024 23:38	WG2204827
1,1-Dichloroethene	ND	J3	0.00397	1	01/10/2024 23:38	WG2204827
cis-1,2-Dichloroethene	ND		0.00397	1	01/10/2024 23:38	WG2204827
trans-1,2-Dichloroethene	ND		0.00793	1	01/10/2024 23:38	WG2204827
1,2-Dichloropropane	ND		0.00793	1	01/10/2024 23:38	WG2204827
1,1-Dichloropropene	ND	J3	0.00397	1	01/10/2024 23:38	WG2204827
1,3-Dichloropropane	ND		0.00793	1	01/10/2024 23:38	WG2204827
cis-1,3-Dichloropropene	ND		0.00397	1	01/10/2024 23:38	WG2204827
trans-1,3-Dichloropropene	ND		0.00793	1	01/10/2024 23:38	WG2204827
2,2-Dichloropropane	ND		0.00397	1	01/10/2024 23:38	WG2204827
Di-isopropyl ether	ND		0.00159	1	01/10/2024 23:38	WG2204827
Ethylbenzene	ND		0.00397	1	01/10/2024 23:38	WG2204827
Hexachloro-1,3-butadiene	ND		0.0397	1	01/10/2024 23:38	WG2204827
Isopropylbenzene	ND		0.00397	1	01/10/2024 23:38	WG2204827
p-Isopropyltoluene	0.0171		0.00793	1	01/10/2024 23:38	WG2204827
2-Butanone (MEK)	ND		0.159	1	01/10/2024 23:38	WG2204827
Methylene Chloride	ND		0.0397	1	01/10/2024 23:38	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0397	1	01/10/2024 23:38	WG2204827
Methyl tert-butyl ether	ND		0.00159	1	01/10/2024 23:38	WG2204827
Naphthalene	ND		0.0198	1	01/10/2024 23:38	WG2204827
n-Propylbenzene	ND		0.00793	1	01/10/2024 23:38	WG2204827
Styrene	ND		0.0198	1	01/10/2024 23:38	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00397	1	01/10/2024 23:38	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00397	1	01/10/2024 23:38	WG2204827
Tetrachloroethene	ND	J3	0.00397	1	01/10/2024 23:38	WG2204827
Toluene	ND		0.00793	1	01/10/2024 23:38	WG2204827
1,2,3-Trichlorobenzene	ND		0.0198	1	01/10/2024 23:38	WG2204827
1,2,4-Trichlorobenzene	ND		0.0198	1	01/10/2024 23:38	WG2204827
1,1,1-Trichloroethane	ND		0.00397	1	01/10/2024 23:38	WG2204827
1,1,2-Trichloroethane	ND		0.00397	1	01/10/2024 23:38	WG2204827
Trichloroethene	ND		0.00159	1	01/10/2024 23:38	WG2204827
Trichlorofluoromethane	ND	C3	0.00397	1	01/10/2024 23:38	WG2204827
1,2,3-Trichloropropane	ND		0.0198	1	01/10/2024 23:38	WG2204827
1,2,4-Trimethylbenzene	ND		0.00793	1	01/10/2024 23:38	WG2204827
1,3,5-Trimethylbenzene	ND		0.00793	1	01/10/2024 23:38	WG2204827
Vinyl chloride	ND	C3 J3	0.00397	1	01/10/2024 23:38	WG2204827
Xylenes, Total	ND		0.0103	1	01/10/2024 23:38	WG2204827
(S) Toluene-d8	98.5		75.0-131		01/10/2024 23:38	WG2204827
(S) 4-Bromofluorobenzene	109		67.0-138		01/10/2024 23:38	WG2204827
(S) 1,2-Dichloroethane-d4	84.3		70.0-130		01/10/2024 23:38	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0426	1	01/10/2024 17:44	WG2203754
Acenaphthylene	ND		0.0426	1	01/10/2024 17:44	WG2203754
Anthracene	ND		0.0426	1	01/10/2024 17:44	WG2203754
Benzidine	ND		2.14	1	01/10/2024 17:44	WG2203754
Benzo(a)anthracene	0.214		0.0426	1	01/10/2024 17:44	WG2203754

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.266		0.0426	1	01/10/2024 17:44	WG2203754
Benzo(k)fluoranthene	0.0904		0.0426	1	01/10/2024 17:44	WG2203754
Benzo(g,h,i)perylene	0.137		0.0426	1	01/10/2024 17:44	WG2203754
Benzo(a)pyrene	0.202		0.0426	1	01/10/2024 17:44	WG2203754
Bis(2-chloroethoxy)methane	ND		0.426	1	01/10/2024 17:44	WG2203754
Bis(2-chloroethyl)ether	ND		0.426	1	01/10/2024 17:44	WG2203754
2,2-Oxybis(1-Chloropropane)	ND		0.426	1	01/10/2024 17:44	WG2203754
4-Bromophenyl-phenylether	ND		0.426	1	01/10/2024 17:44	WG2203754
2-Chloronaphthalene	ND		0.0426	1	01/10/2024 17:44	WG2203754
4-Chlorophenyl-phenylether	ND		0.426	1	01/10/2024 17:44	WG2203754
Chrysene	0.186		0.0426	1	01/10/2024 17:44	WG2203754
Dibenz(a,h)anthracene	ND		0.0426	1	01/10/2024 17:44	WG2203754
3,3-Dichlorobenzidine	ND		0.426	1	01/10/2024 17:44	WG2203754
2,4-Dinitrotoluene	ND		0.426	1	01/10/2024 17:44	WG2203754
2,6-Dinitrotoluene	ND		0.426	1	01/10/2024 17:44	WG2203754
Fluoranthene	0.462		0.0426	1	01/10/2024 17:44	WG2203754
Fluorene	ND		0.0426	1	01/10/2024 17:44	WG2203754
Hexachlorobenzene	ND		0.426	1	01/10/2024 17:44	WG2203754
Hexachloro-1,3-butadiene	ND		0.426	1	01/10/2024 17:44	WG2203754
Hexachlorocyclopentadiene	ND		0.426	1	01/10/2024 17:44	WG2203754
Hexachloroethane	ND		0.426	1	01/10/2024 17:44	WG2203754
Indeno(1,2,3-cd)pyrene	0.141		0.0426	1	01/10/2024 17:44	WG2203754
Isophorone	ND		0.426	1	01/10/2024 17:44	WG2203754
Naphthalene	ND		0.0426	1	01/10/2024 17:44	WG2203754
Nitrobenzene	ND		0.426	1	01/10/2024 17:44	WG2203754
n-Nitrosodimethylamine	ND		0.426	1	01/10/2024 17:44	WG2203754
n-Nitrosodiphenylamine	ND		0.426	1	01/10/2024 17:44	WG2203754
n-Nitrosodi-n-propylamine	ND		0.426	1	01/10/2024 17:44	WG2203754
Phenanthrene	0.264		0.0426	1	01/10/2024 17:44	WG2203754
Benzylbutyl phthalate	ND		0.426	1	01/10/2024 17:44	WG2203754
Bis(2-ethylhexyl)phthalate	ND		0.426	1	01/10/2024 17:44	WG2203754
Di-n-butyl phthalate	ND		0.426	1	01/10/2024 17:44	WG2203754
Diethyl phthalate	ND		0.426	1	01/10/2024 17:44	WG2203754
Dimethyl phthalate	ND		0.426	1	01/10/2024 17:44	WG2203754
Di-n-octyl phthalate	ND		0.426	1	01/10/2024 17:44	WG2203754
Pyrene	0.424		0.0426	1	01/10/2024 17:44	WG2203754
1,2,4-Trichlorobenzene	ND		0.426	1	01/10/2024 17:44	WG2203754
4-Chloro-3-methylphenol	ND		0.426	1	01/10/2024 17:44	WG2203754
2-Chlorophenol	ND		0.426	1	01/10/2024 17:44	WG2203754
2,4-Dichlorophenol	ND		0.426	1	01/10/2024 17:44	WG2203754
2,4-Dimethylphenol	ND		0.426	1	01/10/2024 17:44	WG2203754
4,6-Dinitro-2-methylphenol	ND		0.426	1	01/10/2024 17:44	WG2203754
2,4-Dinitrophenol	ND		0.426	1	01/10/2024 17:44	WG2203754
2-Nitrophenol	ND		0.426	1	01/10/2024 17:44	WG2203754
4-Nitrophenol	ND		0.426	1	01/10/2024 17:44	WG2203754
Pentachlorophenol	ND		0.426	1	01/10/2024 17:44	WG2203754
Phenol	ND		0.426	1	01/10/2024 17:44	WG2203754
2,4,6-Trichlorophenol	ND		0.426	1	01/10/2024 17:44	WG2203754
(S) 2-Fluorophenol	60.7		12.0-120		01/10/2024 17:44	WG2203754
(S) Phenol-d5	56.4		10.0-120		01/10/2024 17:44	WG2203754
(S) Nitrobenzene-d5	61.8		10.0-122		01/10/2024 17:44	WG2203754
(S) 2-Fluorobiphenyl	64.8		15.0-120		01/10/2024 17:44	WG2203754
(S) 2,4,6-Tribromophenol	75.8		10.0-127		01/10/2024 17:44	WG2203754
(S) p-Terphenyl-d14	72.8		10.0-120		01/10/2024 17:44	WG2203754

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.8		1	01/09/2024 09:29	WG2203098

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.25	1	01/10/2024 07:47	WG2203617

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0501	1	01/10/2024 10:18	WG2203579

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.76	5	01/26/2024 14:23	WG2203584
Arsenic	1.85		1.25	5	01/26/2024 14:23	WG2203584
Barium	66.8		3.13	5	01/26/2024 14:23	WG2203584
Beryllium	ND		3.13	5	01/26/2024 14:23	WG2203584
Cadmium	ND		1.25	5	01/26/2024 14:23	WG2203584
Chromium	23.6		6.26	5	01/26/2024 14:23	WG2203584
Cobalt	9.11		1.25	5	01/26/2024 14:23	WG2203584
Copper	11.6		6.26	5	01/26/2024 14:23	WG2203584
Lead	17.7		2.51	5	01/26/2024 14:23	WG2203584
Manganese	424		3.13	5	01/26/2024 14:23	WG2203584
Nickel	10.1		3.13	5	01/26/2024 14:23	WG2203584
Selenium	ND		3.13	5	01/26/2024 14:23	WG2203584
Silver	ND		0.626	5	01/26/2024 14:23	WG2203584
Thallium	ND		2.51	5	01/26/2024 14:23	WG2203584
Vanadium	27.6		3.13	5	01/26/2024 14:23	WG2203584
Zinc	ND		31.3	5	01/26/2024 14:23	WG2203584

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0822	1.11	01/10/2024 23:57	WG2204827
Acrylonitrile	ND		0.0206	1.11	01/10/2024 23:57	WG2204827
Benzene	ND		0.00164	1.11	01/10/2024 23:57	WG2204827
Bromobenzene	ND		0.0206	1.11	01/10/2024 23:57	WG2204827
Bromodichloromethane	ND		0.00412	1.11	01/10/2024 23:57	WG2204827
Bromoform	ND		0.0412	1.11	01/10/2024 23:57	WG2204827
Bromomethane	ND	C3	0.0206	1.11	01/10/2024 23:57	WG2204827
n-Butylbenzene	ND		0.0206	1.11	01/10/2024 23:57	WG2204827
sec-Butylbenzene	ND	J3	0.0206	1.11	01/10/2024 23:57	WG2204827
tert-Butylbenzene	ND		0.00822	1.11	01/10/2024 23:57	WG2204827
Carbon tetrachloride	ND		0.00822	1.11	01/10/2024 23:57	WG2204827
Chlorobenzene	ND		0.00412	1.11	01/10/2024 23:57	WG2204827
Chlorodibromomethane	ND		0.00412	1.11	01/10/2024 23:57	WG2204827
Chloroethane	ND	C3	0.00822	1.11	01/10/2024 23:57	WG2204827
Chloroform	ND		0.00412	1.11	01/10/2024 23:57	WG2204827
Chloromethane	ND	C3	0.0206	1.11	01/10/2024 23:57	WG2204827
2-Chlorotoluene	ND		0.00412	1.11	01/10/2024 23:57	WG2204827
4-Chlorotoluene	ND		0.00822	1.11	01/10/2024 23:57	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0412	1.11	01/10/2024 23:57	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00412	1.11	01/10/2024 23:57	WG2204827
Dibromomethane	ND		0.00822	1.11	01/10/2024 23:57	WG2204827
1,2-Dichlorobenzene	ND		0.00822	1.11	01/10/2024 23:57	WG2204827
1,3-Dichlorobenzene	ND		0.00822	1.11	01/10/2024 23:57	WG2204827
1,4-Dichlorobenzene	ND		0.00822	1.11	01/10/2024 23:57	WG2204827
Dichlorodifluoromethane	ND	C3	0.00822	1.11	01/10/2024 23:57	WG2204827
1,1-Dichloroethane	ND		0.00412	1.11	01/10/2024 23:57	WG2204827
1,2-Dichloroethane	ND		0.00412	1.11	01/10/2024 23:57	WG2204827
1,1-Dichloroethene	ND	J3	0.00412	1.11	01/10/2024 23:57	WG2204827
cis-1,2-Dichloroethene	ND		0.00412	1.11	01/10/2024 23:57	WG2204827
trans-1,2-Dichloroethene	ND		0.00822	1.11	01/10/2024 23:57	WG2204827
1,2-Dichloropropane	ND		0.00822	1.11	01/10/2024 23:57	WG2204827
1,1-Dichloropropene	ND	J3	0.00412	1.11	01/10/2024 23:57	WG2204827
1,3-Dichloropropane	ND		0.00822	1.11	01/10/2024 23:57	WG2204827
cis-1,3-Dichloropropene	ND		0.00412	1.11	01/10/2024 23:57	WG2204827
trans-1,3-Dichloropropene	ND		0.00822	1.11	01/10/2024 23:57	WG2204827
2,2-Dichloropropane	ND		0.00412	1.11	01/10/2024 23:57	WG2204827
Di-isopropyl ether	ND		0.00164	1.11	01/10/2024 23:57	WG2204827
Ethylbenzene	ND		0.00412	1.11	01/10/2024 23:57	WG2204827
Hexachloro-1,3-butadiene	ND		0.0412	1.11	01/10/2024 23:57	WG2204827
Isopropylbenzene	ND		0.00412	1.11	01/10/2024 23:57	WG2204827
p-Isopropyltoluene	ND		0.00822	1.11	01/10/2024 23:57	WG2204827
2-Butanone (MEK)	ND		0.164	1.11	01/10/2024 23:57	WG2204827
Methylene Chloride	ND		0.0412	1.11	01/10/2024 23:57	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0412	1.11	01/10/2024 23:57	WG2204827
Methyl tert-butyl ether	ND		0.00164	1.11	01/10/2024 23:57	WG2204827
Naphthalene	ND		0.0206	1.11	01/10/2024 23:57	WG2204827
n-Propylbenzene	ND		0.00822	1.11	01/10/2024 23:57	WG2204827
Styrene	ND		0.0206	1.11	01/10/2024 23:57	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00412	1.11	01/10/2024 23:57	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00412	1.11	01/10/2024 23:57	WG2204827
Tetrachloroethene	ND	J3	0.00412	1.11	01/10/2024 23:57	WG2204827
Toluene	ND		0.00822	1.11	01/10/2024 23:57	WG2204827
1,2,3-Trichlorobenzene	ND		0.0206	1.11	01/10/2024 23:57	WG2204827
1,2,4-Trichlorobenzene	ND		0.0206	1.11	01/10/2024 23:57	WG2204827
1,1,1-Trichloroethane	ND		0.00412	1.11	01/10/2024 23:57	WG2204827
1,1,2-Trichloroethane	ND		0.00412	1.11	01/10/2024 23:57	WG2204827
Trichloroethene	ND		0.00164	1.11	01/10/2024 23:57	WG2204827
Trichlorofluoromethane	ND	C3	0.00412	1.11	01/10/2024 23:57	WG2204827
1,2,3-Trichloropropane	ND		0.0206	1.11	01/10/2024 23:57	WG2204827
1,2,4-Trimethylbenzene	ND		0.00822	1.11	01/10/2024 23:57	WG2204827
1,3,5-Trimethylbenzene	ND		0.00822	1.11	01/10/2024 23:57	WG2204827
Vinyl chloride	ND	C3 J3	0.00412	1.11	01/10/2024 23:57	WG2204827
Xylenes, Total	ND		0.0107	1.11	01/10/2024 23:57	WG2204827
(S) Toluene-d8	99.2		75.0-131		01/10/2024 23:57	WG2204827
(S) 4-Bromofluorobenzene	110		67.0-138		01/10/2024 23:57	WG2204827
(S) 1,2-Dichloroethane-d4	84.9		70.0-130		01/10/2024 23:57	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0417	1	01/10/2024 18:08	WG2203754
Acenaphthylene	ND		0.0417	1	01/10/2024 18:08	WG2203754
Anthracene	ND		0.0417	1	01/10/2024 18:08	WG2203754
Benzidine	ND		2.09	1	01/10/2024 18:08	WG2203754
Benzo(a)anthracene	0.157		0.0417	1	01/10/2024 18:08	WG2203754

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.203		0.0417	1	01/10/2024 18:08	WG2203754
Benzo(k)fluoranthene	0.0648		0.0417	1	01/10/2024 18:08	WG2203754
Benzo(g,h,i)perylene	0.105		0.0417	1	01/10/2024 18:08	WG2203754
Benzo(a)pyrene	0.153		0.0417	1	01/10/2024 18:08	WG2203754
Bis(2-chloroethoxy)methane	ND		0.417	1	01/10/2024 18:08	WG2203754
Bis(2-chloroethyl)ether	ND		0.417	1	01/10/2024 18:08	WG2203754
2,2-Oxybis(1-Chloropropane)	ND		0.417	1	01/10/2024 18:08	WG2203754
4-Bromophenyl-phenylether	ND		0.417	1	01/10/2024 18:08	WG2203754
2-Chloronaphthalene	ND		0.0417	1	01/10/2024 18:08	WG2203754
4-Chlorophenyl-phenylether	ND		0.417	1	01/10/2024 18:08	WG2203754
Chrysene	0.144		0.0417	1	01/10/2024 18:08	WG2203754
Dibenz(a,h)anthracene	ND		0.0417	1	01/10/2024 18:08	WG2203754
3,3-Dichlorobenzidine	ND		0.417	1	01/10/2024 18:08	WG2203754
2,4-Dinitrotoluene	ND		0.417	1	01/10/2024 18:08	WG2203754
2,6-Dinitrotoluene	ND		0.417	1	01/10/2024 18:08	WG2203754
Fluoranthene	0.323		0.0417	1	01/10/2024 18:08	WG2203754
Fluorene	ND		0.0417	1	01/10/2024 18:08	WG2203754
Hexachlorobenzene	ND		0.417	1	01/10/2024 18:08	WG2203754
Hexachloro-1,3-butadiene	ND		0.417	1	01/10/2024 18:08	WG2203754
Hexachlorocyclopentadiene	ND		0.417	1	01/10/2024 18:08	WG2203754
Hexachloroethane	ND		0.417	1	01/10/2024 18:08	WG2203754
Indeno(1,2,3-cd)pyrene	0.108		0.0417	1	01/10/2024 18:08	WG2203754
Isophorone	ND		0.417	1	01/10/2024 18:08	WG2203754
Naphthalene	ND		0.0417	1	01/10/2024 18:08	WG2203754
Nitrobenzene	ND		0.417	1	01/10/2024 18:08	WG2203754
n-Nitrosodimethylamine	ND		0.417	1	01/10/2024 18:08	WG2203754
n-Nitrosodiphenylamine	ND		0.417	1	01/10/2024 18:08	WG2203754
n-Nitrosodi-n-propylamine	ND		0.417	1	01/10/2024 18:08	WG2203754
Phenanthrene	0.185		0.0417	1	01/10/2024 18:08	WG2203754
Benzylbutyl phthalate	ND		0.417	1	01/10/2024 18:08	WG2203754
Bis(2-ethylhexyl)phthalate	ND		0.417	1	01/10/2024 18:08	WG2203754
Di-n-butyl phthalate	ND		0.417	1	01/10/2024 18:08	WG2203754
Diethyl phthalate	ND		0.417	1	01/10/2024 18:08	WG2203754
Dimethyl phthalate	ND		0.417	1	01/10/2024 18:08	WG2203754
Di-n-octyl phthalate	ND		0.417	1	01/10/2024 18:08	WG2203754
Pyrene	0.296		0.0417	1	01/10/2024 18:08	WG2203754
1,2,4-Trichlorobenzene	ND		0.417	1	01/10/2024 18:08	WG2203754
4-Chloro-3-methylphenol	ND		0.417	1	01/10/2024 18:08	WG2203754
2-Chlorophenol	ND		0.417	1	01/10/2024 18:08	WG2203754
2,4-Dichlorophenol	ND		0.417	1	01/10/2024 18:08	WG2203754
2,4-Dimethylphenol	ND		0.417	1	01/10/2024 18:08	WG2203754
4,6-Dinitro-2-methylphenol	ND		0.417	1	01/10/2024 18:08	WG2203754
2,4-Dinitrophenol	ND		0.417	1	01/10/2024 18:08	WG2203754
2-Nitrophenol	ND		0.417	1	01/10/2024 18:08	WG2203754
4-Nitrophenol	ND		0.417	1	01/10/2024 18:08	WG2203754
Pentachlorophenol	ND		0.417	1	01/10/2024 18:08	WG2203754
Phenol	ND		0.417	1	01/10/2024 18:08	WG2203754
2,4,6-Trichlorophenol	ND		0.417	1	01/10/2024 18:08	WG2203754
(S) 2-Fluorophenol	66.7		12.0-120		01/10/2024 18:08	WG2203754
(S) Phenol-d5	60.8		10.0-120		01/10/2024 18:08	WG2203754
(S) Nitrobenzene-d5	66.6		10.0-122		01/10/2024 18:08	WG2203754
(S) 2-Fluorobiphenyl	70.5		15.0-120		01/10/2024 18:08	WG2203754
(S) 2,4,6-Tribromophenol	79.2		10.0-127		01/10/2024 18:08	WG2203754
(S) p-Terphenyl-d14	76.9		10.0-120		01/10/2024 18:08	WG2203754

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.3		1	01/09/2024 09:29	WG2203098

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.28	1	01/10/2024 07:53	WG2203617

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0511	1	01/10/2024 10:21	WG2203579

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.83	5	01/26/2024 14:26	WG2203584
Arsenic	2.30		1.28	5	01/26/2024 14:26	WG2203584
Barium	63.8		3.19	5	01/26/2024 14:26	WG2203584
Beryllium	ND		3.19	5	01/26/2024 14:26	WG2203584
Cadmium	ND		1.28	5	01/26/2024 14:26	WG2203584
Chromium	23.2		6.39	5	01/26/2024 14:26	WG2203584
Cobalt	10.1		1.28	5	01/26/2024 14:26	WG2203584
Copper	16.4		6.39	5	01/26/2024 14:26	WG2203584
Lead	28.6		2.56	5	01/26/2024 14:26	WG2203584
Manganese	424		3.19	5	01/26/2024 14:26	WG2203584
Nickel	13.1		3.19	5	01/26/2024 14:26	WG2203584
Selenium	ND		3.19	5	01/26/2024 14:26	WG2203584
Silver	ND		0.639	5	01/26/2024 14:26	WG2203584
Thallium	ND		2.56	5	01/26/2024 14:26	WG2203584
Vanadium	28.8		3.19	5	01/26/2024 14:26	WG2203584
Zinc	40.3		31.9	5	01/26/2024 14:26	WG2203584

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0778	1	01/11/2024 00:16	WG2204827
Acrylonitrile	ND		0.0194	1	01/11/2024 00:16	WG2204827
Benzene	ND		0.00156	1	01/11/2024 00:16	WG2204827
Bromobenzene	ND		0.0194	1	01/11/2024 00:16	WG2204827
Bromodichloromethane	ND		0.00389	1	01/11/2024 00:16	WG2204827
Bromoform	ND		0.0389	1	01/11/2024 00:16	WG2204827
Bromomethane	ND	C3	0.0194	1	01/11/2024 00:16	WG2204827
n-Butylbenzene	ND		0.0194	1	01/11/2024 00:16	WG2204827
sec-Butylbenzene	ND	J3	0.0194	1	01/11/2024 00:16	WG2204827
tert-Butylbenzene	ND		0.00778	1	01/11/2024 00:16	WG2204827
Carbon tetrachloride	ND		0.00778	1	01/11/2024 00:16	WG2204827
Chlorobenzene	ND		0.00389	1	01/11/2024 00:16	WG2204827
Chlorodibromomethane	ND		0.00389	1	01/11/2024 00:16	WG2204827
Chloroethane	ND	C3	0.00778	1	01/11/2024 00:16	WG2204827
Chloroform	ND		0.00389	1	01/11/2024 00:16	WG2204827
Chloromethane	ND	C3	0.0194	1	01/11/2024 00:16	WG2204827
2-Chlorotoluene	ND		0.00389	1	01/11/2024 00:16	WG2204827
4-Chlorotoluene	ND		0.00778	1	01/11/2024 00:16	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0389	1	01/11/2024 00:16	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00389	1	01/11/2024 00:16	WG2204827
Dibromomethane	ND		0.00778	1	01/11/2024 00:16	WG2204827
1,2-Dichlorobenzene	ND		0.00778	1	01/11/2024 00:16	WG2204827
1,3-Dichlorobenzene	ND		0.00778	1	01/11/2024 00:16	WG2204827
1,4-Dichlorobenzene	ND		0.00778	1	01/11/2024 00:16	WG2204827
Dichlorodifluoromethane	ND	C3	0.00778	1	01/11/2024 00:16	WG2204827
1,1-Dichloroethane	ND		0.00389	1	01/11/2024 00:16	WG2204827
1,2-Dichloroethane	ND		0.00389	1	01/11/2024 00:16	WG2204827
1,1-Dichloroethene	ND	J3	0.00389	1	01/11/2024 00:16	WG2204827
cis-1,2-Dichloroethene	ND		0.00389	1	01/11/2024 00:16	WG2204827
trans-1,2-Dichloroethene	ND		0.00778	1	01/11/2024 00:16	WG2204827
1,2-Dichloropropane	ND		0.00778	1	01/11/2024 00:16	WG2204827
1,1-Dichloropropene	ND	J3	0.00389	1	01/11/2024 00:16	WG2204827
1,3-Dichloropropane	ND		0.00778	1	01/11/2024 00:16	WG2204827
cis-1,3-Dichloropropene	ND		0.00389	1	01/11/2024 00:16	WG2204827
trans-1,3-Dichloropropene	ND		0.00778	1	01/11/2024 00:16	WG2204827
2,2-Dichloropropane	ND		0.00389	1	01/11/2024 00:16	WG2204827
Di-isopropyl ether	ND		0.00156	1	01/11/2024 00:16	WG2204827
Ethylbenzene	ND		0.00389	1	01/11/2024 00:16	WG2204827
Hexachloro-1,3-butadiene	ND		0.0389	1	01/11/2024 00:16	WG2204827
Isopropylbenzene	ND		0.00389	1	01/11/2024 00:16	WG2204827
p-Isopropyltoluene	ND		0.00778	1	01/11/2024 00:16	WG2204827
2-Butanone (MEK)	ND		0.156	1	01/11/2024 00:16	WG2204827
Methylene Chloride	ND		0.0389	1	01/11/2024 00:16	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0389	1	01/11/2024 00:16	WG2204827
Methyl tert-butyl ether	ND		0.00156	1	01/11/2024 00:16	WG2204827
Naphthalene	ND		0.0194	1	01/11/2024 00:16	WG2204827
n-Propylbenzene	ND		0.00778	1	01/11/2024 00:16	WG2204827
Styrene	ND		0.0194	1	01/11/2024 00:16	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00389	1	01/11/2024 00:16	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00389	1	01/11/2024 00:16	WG2204827
Tetrachloroethene	ND	J3	0.00389	1	01/11/2024 00:16	WG2204827
Toluene	ND		0.00778	1	01/11/2024 00:16	WG2204827
1,2,3-Trichlorobenzene	ND		0.0194	1	01/11/2024 00:16	WG2204827
1,2,4-Trichlorobenzene	ND		0.0194	1	01/11/2024 00:16	WG2204827
1,1,1-Trichloroethane	ND		0.00389	1	01/11/2024 00:16	WG2204827
1,1,2-Trichloroethane	ND		0.00389	1	01/11/2024 00:16	WG2204827
Trichloroethene	ND		0.00156	1	01/11/2024 00:16	WG2204827
Trichlorofluoromethane	ND	C3	0.00389	1	01/11/2024 00:16	WG2204827
1,2,3-Trichloropropane	ND		0.0194	1	01/11/2024 00:16	WG2204827
1,2,4-Trimethylbenzene	ND		0.00778	1	01/11/2024 00:16	WG2204827
1,3,5-Trimethylbenzene	ND		0.00778	1	01/11/2024 00:16	WG2204827
Vinyl chloride	ND	C3 J3	0.00389	1	01/11/2024 00:16	WG2204827
Xylenes, Total	ND		0.0101	1	01/11/2024 00:16	WG2204827
(S) Toluene-d8	97.4		75.0-131		01/11/2024 00:16	WG2204827
(S) 4-Bromofluorobenzene	110		67.0-138		01/11/2024 00:16	WG2204827
(S) 1,2-Dichloroethane-d4	85.0		70.0-130		01/11/2024 00:16	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0851	2	01/10/2024 21:21	WG2203754
Acenaphthylene	ND		0.0851	2	01/10/2024 21:21	WG2203754
Anthracene	ND		0.0851	2	01/10/2024 21:21	WG2203754
Benzidine	ND		4.27	2	01/10/2024 21:21	WG2203754
Benzo(a)anthracene	0.286		0.0851	2	01/10/2024 21:21	WG2203754

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.496		0.0851	2	01/10/2024 21:21	WG2203754
Benzo(k)fluoranthene	0.137		0.0851	2	01/10/2024 21:21	WG2203754
Benzo(g,h,i)perylene	0.230		0.0851	2	01/10/2024 21:21	WG2203754
Benzo(a)pyrene	0.323		0.0851	2	01/10/2024 21:21	WG2203754
Bis(2-chloroethoxy)methane	ND		0.851	2	01/10/2024 21:21	WG2203754
Bis(2-chloroethyl)ether	ND		0.851	2	01/10/2024 21:21	WG2203754
2,2-Oxybis(1-Chloropropane)	ND		0.851	2	01/10/2024 21:21	WG2203754
4-Bromophenyl-phenylether	ND		0.851	2	01/10/2024 21:21	WG2203754
2-Chloronaphthalene	ND		0.0851	2	01/10/2024 21:21	WG2203754
4-Chlorophenyl-phenylether	ND		0.851	2	01/10/2024 21:21	WG2203754
Chrysene	0.298		0.0851	2	01/10/2024 21:21	WG2203754
Dibenz(a,h)anthracene	ND		0.0851	2	01/10/2024 21:21	WG2203754
3,3-Dichlorobenzidine	ND		0.851	2	01/10/2024 21:21	WG2203754
2,4-Dinitrotoluene	ND		0.851	2	01/10/2024 21:21	WG2203754
2,6-Dinitrotoluene	ND		0.851	2	01/10/2024 21:21	WG2203754
Fluoranthene	0.663		0.0851	2	01/10/2024 21:21	WG2203754
Fluorene	ND		0.0851	2	01/10/2024 21:21	WG2203754
Hexachlorobenzene	ND		0.851	2	01/10/2024 21:21	WG2203754
Hexachloro-1,3-butadiene	ND		0.851	2	01/10/2024 21:21	WG2203754
Hexachlorocyclopentadiene	ND		0.851	2	01/10/2024 21:21	WG2203754
Hexachloroethane	ND		0.851	2	01/10/2024 21:21	WG2203754
Indeno(1,2,3-cd)pyrene	0.245		0.0851	2	01/10/2024 21:21	WG2203754
Isophorone	ND		0.851	2	01/10/2024 21:21	WG2203754
Naphthalene	ND		0.0851	2	01/10/2024 21:21	WG2203754
Nitrobenzene	ND		0.851	2	01/10/2024 21:21	WG2203754
n-Nitrosodimethylamine	ND		0.851	2	01/10/2024 21:21	WG2203754
n-Nitrosodiphenylamine	ND		0.851	2	01/10/2024 21:21	WG2203754
n-Nitrosodi-n-propylamine	ND		0.851	2	01/10/2024 21:21	WG2203754
Phenanthrene	0.290		0.0851	2	01/10/2024 21:21	WG2203754
Benzylbutyl phthalate	ND		0.851	2	01/10/2024 21:21	WG2203754
Bis(2-ethylhexyl)phthalate	ND		0.851	2	01/10/2024 21:21	WG2203754
Di-n-butyl phthalate	ND		0.851	2	01/10/2024 21:21	WG2203754
Diethyl phthalate	ND		0.851	2	01/10/2024 21:21	WG2203754
Dimethyl phthalate	ND		0.851	2	01/10/2024 21:21	WG2203754
Di-n-octyl phthalate	ND		0.851	2	01/10/2024 21:21	WG2203754
Pyrene	0.595		0.0851	2	01/10/2024 21:21	WG2203754
1,2,4-Trichlorobenzene	ND		0.851	2	01/10/2024 21:21	WG2203754
4-Chloro-3-methylphenol	ND		0.851	2	01/10/2024 21:21	WG2203754
2-Chlorophenol	ND		0.851	2	01/10/2024 21:21	WG2203754
2,4-Dichlorophenol	ND		0.851	2	01/10/2024 21:21	WG2203754
2,4-Dimethylphenol	ND		0.851	2	01/10/2024 21:21	WG2203754
4,6-Dinitro-2-methylphenol	ND		0.851	2	01/10/2024 21:21	WG2203754
2,4-Dinitrophenol	ND		0.851	2	01/10/2024 21:21	WG2203754
2-Nitrophenol	ND		0.851	2	01/10/2024 21:21	WG2203754
4-Nitrophenol	ND		0.851	2	01/10/2024 21:21	WG2203754
Pentachlorophenol	ND		0.851	2	01/10/2024 21:21	WG2203754
Phenol	ND		0.851	2	01/10/2024 21:21	WG2203754
2,4,6-Trichlorophenol	ND		0.851	2	01/10/2024 21:21	WG2203754
(S) 2-Fluorophenol	66.6		12.0-120		01/10/2024 21:21	WG2203754
(S) Phenol-d5	61.8		10.0-120		01/10/2024 21:21	WG2203754
(S) Nitrobenzene-d5	65.2		10.0-122		01/10/2024 21:21	WG2203754
(S) 2-Fluorobiphenyl	71.4		15.0-120		01/10/2024 21:21	WG2203754
(S) 2,4,6-Tribromophenol	84.8		10.0-127		01/10/2024 21:21	WG2203754
(S) p-Terphenyl-d14	78.9		10.0-120		01/10/2024 21:21	WG2203754

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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L1693898-04 WG2203754: Dilution due to matrix impact during extract concentration procedure.

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.8		1	01/09/2024 09:29	WG2203098

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.22	1	01/10/2024 07:59	WG2203617

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0489	1	01/10/2024 10:23	WG2203579

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.67	5	01/26/2024 14:43	WG2203584
Arsenic	1.54		1.22	5	01/26/2024 14:43	WG2203584
Barium	57.4		3.06	5	01/26/2024 14:43	WG2203584
Beryllium	ND		3.06	5	01/26/2024 14:43	WG2203584
Cadmium	ND		1.22	5	01/26/2024 14:43	WG2203584
Chromium	21.7		6.11	5	01/26/2024 14:43	WG2203584
Cobalt	8.70		1.22	5	01/26/2024 14:43	WG2203584
Copper	13.6		6.11	5	01/26/2024 14:43	WG2203584
Lead	25.6		2.45	5	01/26/2024 14:43	WG2203584
Manganese	394		3.06	5	01/26/2024 14:43	WG2203584
Nickel	11.1		3.06	5	01/26/2024 14:43	WG2203584
Selenium	ND		3.06	5	01/26/2024 14:43	WG2203584
Silver	ND		0.611	5	01/26/2024 14:43	WG2203584
Thallium	ND		2.45	5	01/26/2024 14:43	WG2203584
Vanadium	22.5		3.06	5	01/26/2024 14:43	WG2203584
Zinc	52.5		30.6	5	01/26/2024 14:43	WG2203584

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0748	1.04	01/11/2024 00:35	WG2204827
Acrylonitrile	ND		0.0187	1.04	01/11/2024 00:35	WG2204827
Benzene	ND		0.00150	1.04	01/11/2024 00:35	WG2204827
Bromobenzene	ND		0.0187	1.04	01/11/2024 00:35	WG2204827
Bromodichloromethane	ND		0.00374	1.04	01/11/2024 00:35	WG2204827
Bromoform	ND		0.0374	1.04	01/11/2024 00:35	WG2204827
Bromomethane	ND	C3	0.0187	1.04	01/11/2024 00:35	WG2204827
n-Butylbenzene	ND		0.0187	1.04	01/11/2024 00:35	WG2204827
sec-Butylbenzene	ND	J3	0.0187	1.04	01/11/2024 00:35	WG2204827
tert-Butylbenzene	ND		0.00748	1.04	01/11/2024 00:35	WG2204827
Carbon tetrachloride	ND		0.00748	1.04	01/11/2024 00:35	WG2204827
Chlorobenzene	ND		0.00374	1.04	01/11/2024 00:35	WG2204827
Chlorodibromomethane	ND		0.00374	1.04	01/11/2024 00:35	WG2204827
Chloroethane	ND	C3	0.00748	1.04	01/11/2024 00:35	WG2204827
Chloroform	ND		0.00374	1.04	01/11/2024 00:35	WG2204827
Chloromethane	ND	C3	0.0187	1.04	01/11/2024 00:35	WG2204827
2-Chlorotoluene	ND		0.00374	1.04	01/11/2024 00:35	WG2204827
4-Chlorotoluene	ND		0.00748	1.04	01/11/2024 00:35	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0374	1.04	01/11/2024 00:35	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00374	1.04	01/11/2024 00:35	WG2204827
Dibromomethane	ND		0.00748	1.04	01/11/2024 00:35	WG2204827
1,2-Dichlorobenzene	ND		0.00748	1.04	01/11/2024 00:35	WG2204827
1,3-Dichlorobenzene	ND		0.00748	1.04	01/11/2024 00:35	WG2204827
1,4-Dichlorobenzene	ND		0.00748	1.04	01/11/2024 00:35	WG2204827
Dichlorodifluoromethane	ND	C3	0.00748	1.04	01/11/2024 00:35	WG2204827
1,1-Dichloroethane	ND		0.00374	1.04	01/11/2024 00:35	WG2204827
1,2-Dichloroethane	ND		0.00374	1.04	01/11/2024 00:35	WG2204827
1,1-Dichloroethene	ND	J3	0.00374	1.04	01/11/2024 00:35	WG2204827
cis-1,2-Dichloroethene	ND		0.00374	1.04	01/11/2024 00:35	WG2204827
trans-1,2-Dichloroethene	ND		0.00748	1.04	01/11/2024 00:35	WG2204827
1,2-Dichloropropane	ND		0.00748	1.04	01/11/2024 00:35	WG2204827
1,1-Dichloropropene	ND	J3	0.00374	1.04	01/11/2024 00:35	WG2204827
1,3-Dichloropropane	ND		0.00748	1.04	01/11/2024 00:35	WG2204827
cis-1,3-Dichloropropene	ND		0.00374	1.04	01/11/2024 00:35	WG2204827
trans-1,3-Dichloropropene	ND		0.00748	1.04	01/11/2024 00:35	WG2204827
2,2-Dichloropropane	ND		0.00374	1.04	01/11/2024 00:35	WG2204827
Di-isopropyl ether	ND		0.00150	1.04	01/11/2024 00:35	WG2204827
Ethylbenzene	ND		0.00374	1.04	01/11/2024 00:35	WG2204827
Hexachloro-1,3-butadiene	ND		0.0374	1.04	01/11/2024 00:35	WG2204827
Isopropylbenzene	ND		0.00374	1.04	01/11/2024 00:35	WG2204827
p-Isopropyltoluene	ND		0.00748	1.04	01/11/2024 00:35	WG2204827
2-Butanone (MEK)	ND		0.150	1.04	01/11/2024 00:35	WG2204827
Methylene Chloride	ND		0.0374	1.04	01/11/2024 00:35	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0374	1.04	01/11/2024 00:35	WG2204827
Methyl tert-butyl ether	ND		0.00150	1.04	01/11/2024 00:35	WG2204827
Naphthalene	ND		0.0187	1.04	01/11/2024 00:35	WG2204827
n-Propylbenzene	ND		0.00748	1.04	01/11/2024 00:35	WG2204827
Styrene	ND		0.0187	1.04	01/11/2024 00:35	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00374	1.04	01/11/2024 00:35	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00374	1.04	01/11/2024 00:35	WG2204827
Tetrachloroethene	ND	J3	0.00374	1.04	01/11/2024 00:35	WG2204827
Toluene	ND		0.00748	1.04	01/11/2024 00:35	WG2204827
1,2,3-Trichlorobenzene	ND		0.0187	1.04	01/11/2024 00:35	WG2204827
1,2,4-Trichlorobenzene	ND		0.0187	1.04	01/11/2024 00:35	WG2204827
1,1,1-Trichloroethane	ND		0.00374	1.04	01/11/2024 00:35	WG2204827
1,1,2-Trichloroethane	ND		0.00374	1.04	01/11/2024 00:35	WG2204827
Trichloroethene	ND		0.00150	1.04	01/11/2024 00:35	WG2204827
Trichlorofluoromethane	ND	C3	0.00374	1.04	01/11/2024 00:35	WG2204827
1,2,3-Trichloropropane	ND		0.0187	1.04	01/11/2024 00:35	WG2204827
1,2,4-Trimethylbenzene	ND		0.00748	1.04	01/11/2024 00:35	WG2204827
1,3,5-Trimethylbenzene	ND		0.00748	1.04	01/11/2024 00:35	WG2204827
Vinyl chloride	ND	C3 J3	0.00374	1.04	01/11/2024 00:35	WG2204827
Xylenes, Total	ND		0.00972	1.04	01/11/2024 00:35	WG2204827
(S) Toluene-d8	103		75.0-131		01/11/2024 00:35	WG2204827
(S) 4-Bromofluorobenzene	111		67.0-138		01/11/2024 00:35	WG2204827
(S) 1,2-Dichloroethane-d4	82.4		70.0-130		01/11/2024 00:35	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0815	2	01/10/2024 21:45	WG2203754
Acenaphthylene	ND		0.0815	2	01/10/2024 21:45	WG2203754
Anthracene	ND		0.0815	2	01/10/2024 21:45	WG2203754
Benzidine	ND		4.08	2	01/10/2024 21:45	WG2203754
Benzo(a)anthracene	0.367		0.0815	2	01/10/2024 21:45	WG2203754

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.528		0.0815	2	01/10/2024 21:45	WG2203754
Benzo(k)fluoranthene	0.168		0.0815	2	01/10/2024 21:45	WG2203754
Benzo(g,h,i)perylene	0.245		0.0815	2	01/10/2024 21:45	WG2203754
Benzo(a)pyrene	0.382		0.0815	2	01/10/2024 21:45	WG2203754
Bis(2-chloroethoxy)methane	ND		0.815	2	01/10/2024 21:45	WG2203754
Bis(2-chloroethyl)ether	ND		0.815	2	01/10/2024 21:45	WG2203754
2,2-Oxybis(1-Chloropropane)	ND		0.815	2	01/10/2024 21:45	WG2203754
4-Bromophenyl-phenylether	ND		0.815	2	01/10/2024 21:45	WG2203754
2-Chloronaphthalene	ND		0.0815	2	01/10/2024 21:45	WG2203754
4-Chlorophenyl-phenylether	ND		0.815	2	01/10/2024 21:45	WG2203754
Chrysene	0.352		0.0815	2	01/10/2024 21:45	WG2203754
Dibenz(a,h)anthracene	ND		0.0815	2	01/10/2024 21:45	WG2203754
3,3-Dichlorobenzidine	ND		0.815	2	01/10/2024 21:45	WG2203754
2,4-Dinitrotoluene	ND		0.815	2	01/10/2024 21:45	WG2203754
2,6-Dinitrotoluene	ND		0.815	2	01/10/2024 21:45	WG2203754
Fluoranthene	0.808		0.0815	2	01/10/2024 21:45	WG2203754
Fluorene	ND		0.0815	2	01/10/2024 21:45	WG2203754
Hexachlorobenzene	ND		0.815	2	01/10/2024 21:45	WG2203754
Hexachloro-1,3-butadiene	ND		0.815	2	01/10/2024 21:45	WG2203754
Hexachlorocyclopentadiene	ND		0.815	2	01/10/2024 21:45	WG2203754
Hexachloroethane	ND		0.815	2	01/10/2024 21:45	WG2203754
Indeno(1,2,3-cd)pyrene	0.267		0.0815	2	01/10/2024 21:45	WG2203754
Isophorone	ND		0.815	2	01/10/2024 21:45	WG2203754
Naphthalene	ND		0.0815	2	01/10/2024 21:45	WG2203754
Nitrobenzene	ND		0.815	2	01/10/2024 21:45	WG2203754
n-Nitrosodimethylamine	ND		0.815	2	01/10/2024 21:45	WG2203754
n-Nitrosodiphenylamine	ND		0.815	2	01/10/2024 21:45	WG2203754
n-Nitrosodi-n-propylamine	ND		0.815	2	01/10/2024 21:45	WG2203754
Phenanthrene	0.418		0.0815	2	01/10/2024 21:45	WG2203754
Benzylbutyl phthalate	ND		0.815	2	01/10/2024 21:45	WG2203754
Bis(2-ethylhexyl)phthalate	ND		0.815	2	01/10/2024 21:45	WG2203754
Di-n-butyl phthalate	ND		0.815	2	01/10/2024 21:45	WG2203754
Diethyl phthalate	ND		0.815	2	01/10/2024 21:45	WG2203754
Dimethyl phthalate	ND		0.815	2	01/10/2024 21:45	WG2203754
Di-n-octyl phthalate	ND		0.815	2	01/10/2024 21:45	WG2203754
Pyrene	0.718		0.0815	2	01/10/2024 21:45	WG2203754
1,2,4-Trichlorobenzene	ND		0.815	2	01/10/2024 21:45	WG2203754
4-Chloro-3-methylphenol	ND		0.815	2	01/10/2024 21:45	WG2203754
2-Chlorophenol	ND		0.815	2	01/10/2024 21:45	WG2203754
2,4-Dichlorophenol	ND		0.815	2	01/10/2024 21:45	WG2203754
2,4-Dimethylphenol	ND		0.815	2	01/10/2024 21:45	WG2203754
4,6-Dinitro-2-methylphenol	ND		0.815	2	01/10/2024 21:45	WG2203754
2,4-Dinitrophenol	ND		0.815	2	01/10/2024 21:45	WG2203754
2-Nitrophenol	ND		0.815	2	01/10/2024 21:45	WG2203754
4-Nitrophenol	ND		0.815	2	01/10/2024 21:45	WG2203754
Pentachlorophenol	ND		0.815	2	01/10/2024 21:45	WG2203754
Phenol	ND		0.815	2	01/10/2024 21:45	WG2203754
2,4,6-Trichlorophenol	ND		0.815	2	01/10/2024 21:45	WG2203754
(S) 2-Fluorophenol	69.3		12.0-120		01/10/2024 21:45	WG2203754
(S) Phenol-d5	62.5		10.0-120		01/10/2024 21:45	WG2203754
(S) Nitrobenzene-d5	69.6		10.0-122		01/10/2024 21:45	WG2203754
(S) 2-Fluorobiphenyl	70.6		15.0-120		01/10/2024 21:45	WG2203754
(S) 2,4,6-Tribromophenol	86.9		10.0-127		01/10/2024 21:45	WG2203754
(S) p-Terphenyl-d14	81.3		10.0-120		01/10/2024 21:45	WG2203754

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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L1693898-05 WG2203754: Dilution due to matrix impact during extract concentration procedure.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.8		1	01/09/2024 09:29	WG2203098

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.27	1	01/10/2024 08:05	WG2203617

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0507	1	01/10/2024 10:31	WG2203579

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.81	5	01/26/2024 14:47	WG2203584
Arsenic	1.50		1.27	5	01/26/2024 14:47	WG2203584
Barium	56.6		3.17	5	01/26/2024 14:47	WG2203584
Beryllium	ND		3.17	5	01/26/2024 14:47	WG2203584
Cadmium	ND		1.27	5	01/26/2024 14:47	WG2203584
Chromium	15.8		6.34	5	01/26/2024 14:47	WG2203584
Cobalt	7.16		1.27	5	01/26/2024 14:47	WG2203584
Copper	13.0		6.34	5	01/26/2024 14:47	WG2203584
Lead	22.4		2.54	5	01/26/2024 14:47	WG2203584
Manganese	362		3.17	5	01/26/2024 14:47	WG2203584
Nickel	10.5		3.17	5	01/26/2024 14:47	WG2203584
Selenium	ND		3.17	5	01/26/2024 14:47	WG2203584
Silver	0.979		0.634	5	01/26/2024 14:47	WG2203584
Thallium	ND		2.54	5	01/26/2024 14:47	WG2203584
Vanadium	19.6		3.17	5	01/26/2024 14:47	WG2203584
Zinc	46.9		31.7	5	01/26/2024 14:47	WG2203584

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0844	1.12	01/11/2024 00:54	WG2204827
Acrylonitrile	ND		0.0211	1.12	01/11/2024 00:54	WG2204827
Benzene	ND		0.00169	1.12	01/11/2024 00:54	WG2204827
Bromobenzene	ND		0.0211	1.12	01/11/2024 00:54	WG2204827
Bromodichloromethane	ND		0.00422	1.12	01/11/2024 00:54	WG2204827
Bromoform	ND		0.0422	1.12	01/11/2024 00:54	WG2204827
Bromomethane	ND	C3	0.0211	1.12	01/11/2024 00:54	WG2204827
n-Butylbenzene	ND		0.0211	1.12	01/11/2024 00:54	WG2204827
sec-Butylbenzene	ND	J3	0.0211	1.12	01/11/2024 00:54	WG2204827
tert-Butylbenzene	ND		0.00844	1.12	01/11/2024 00:54	WG2204827
Carbon tetrachloride	ND		0.00844	1.12	01/11/2024 00:54	WG2204827
Chlorobenzene	ND		0.00422	1.12	01/11/2024 00:54	WG2204827
Chlorodibromomethane	ND		0.00422	1.12	01/11/2024 00:54	WG2204827
Chloroethane	ND	C3	0.00844	1.12	01/11/2024 00:54	WG2204827
Chloroform	ND		0.00422	1.12	01/11/2024 00:54	WG2204827
Chloromethane	ND	C3	0.0211	1.12	01/11/2024 00:54	WG2204827
2-Chlorotoluene	ND		0.00422	1.12	01/11/2024 00:54	WG2204827
4-Chlorotoluene	ND		0.00844	1.12	01/11/2024 00:54	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0422	1.12	01/11/2024 00:54	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00422	1.12	01/11/2024 00:54	WG2204827
Dibromomethane	ND		0.00844	1.12	01/11/2024 00:54	WG2204827
1,2-Dichlorobenzene	ND		0.00844	1.12	01/11/2024 00:54	WG2204827
1,3-Dichlorobenzene	ND		0.00844	1.12	01/11/2024 00:54	WG2204827
1,4-Dichlorobenzene	ND		0.00844	1.12	01/11/2024 00:54	WG2204827
Dichlorodifluoromethane	ND	C3	0.00844	1.12	01/11/2024 00:54	WG2204827
1,1-Dichloroethane	ND		0.00422	1.12	01/11/2024 00:54	WG2204827
1,2-Dichloroethane	ND		0.00422	1.12	01/11/2024 00:54	WG2204827
1,1-Dichloroethene	ND	J3	0.00422	1.12	01/11/2024 00:54	WG2204827
cis-1,2-Dichloroethene	ND		0.00422	1.12	01/11/2024 00:54	WG2204827
trans-1,2-Dichloroethene	ND		0.00844	1.12	01/11/2024 00:54	WG2204827
1,2-Dichloropropane	ND		0.00844	1.12	01/11/2024 00:54	WG2204827
1,1-Dichloropropene	ND	J3	0.00422	1.12	01/11/2024 00:54	WG2204827
1,3-Dichloropropane	ND		0.00844	1.12	01/11/2024 00:54	WG2204827
cis-1,3-Dichloropropene	ND		0.00422	1.12	01/11/2024 00:54	WG2204827
trans-1,3-Dichloropropene	ND		0.00844	1.12	01/11/2024 00:54	WG2204827
2,2-Dichloropropane	ND		0.00422	1.12	01/11/2024 00:54	WG2204827
Di-isopropyl ether	ND		0.00169	1.12	01/11/2024 00:54	WG2204827
Ethylbenzene	ND		0.00422	1.12	01/11/2024 00:54	WG2204827
Hexachloro-1,3-butadiene	ND		0.0422	1.12	01/11/2024 00:54	WG2204827
Isopropylbenzene	ND		0.00422	1.12	01/11/2024 00:54	WG2204827
p-Isopropyltoluene	ND		0.00844	1.12	01/11/2024 00:54	WG2204827
2-Butanone (MEK)	ND		0.169	1.12	01/11/2024 00:54	WG2204827
Methylene Chloride	ND		0.0422	1.12	01/11/2024 00:54	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0422	1.12	01/11/2024 00:54	WG2204827
Methyl tert-butyl ether	ND		0.00169	1.12	01/11/2024 00:54	WG2204827
Naphthalene	ND		0.0211	1.12	01/11/2024 00:54	WG2204827
n-Propylbenzene	ND		0.00844	1.12	01/11/2024 00:54	WG2204827
Styrene	ND		0.0211	1.12	01/11/2024 00:54	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00422	1.12	01/11/2024 00:54	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00422	1.12	01/11/2024 00:54	WG2204827
Tetrachloroethene	ND	J3	0.00422	1.12	01/11/2024 00:54	WG2204827
Toluene	ND		0.00844	1.12	01/11/2024 00:54	WG2204827
1,2,3-Trichlorobenzene	ND		0.0211	1.12	01/11/2024 00:54	WG2204827
1,2,4-Trichlorobenzene	ND		0.0211	1.12	01/11/2024 00:54	WG2204827
1,1,1-Trichloroethane	ND		0.00422	1.12	01/11/2024 00:54	WG2204827
1,1,2-Trichloroethane	ND		0.00422	1.12	01/11/2024 00:54	WG2204827
Trichloroethene	ND		0.00169	1.12	01/11/2024 00:54	WG2204827
Trichlorofluoromethane	ND	C3	0.00422	1.12	01/11/2024 00:54	WG2204827
1,2,3-Trichloropropane	ND		0.0211	1.12	01/11/2024 00:54	WG2204827
1,2,4-Trimethylbenzene	ND		0.00844	1.12	01/11/2024 00:54	WG2204827
1,3,5-Trimethylbenzene	ND		0.00844	1.12	01/11/2024 00:54	WG2204827
Vinyl chloride	ND	C3 J3	0.00422	1.12	01/11/2024 00:54	WG2204827
Xylenes, Total	ND		0.0110	1.12	01/11/2024 00:54	WG2204827
(S) Toluene-d8	98.7		75.0-131		01/11/2024 00:54	WG2204827
(S) 4-Bromofluorobenzene	109		67.0-138		01/11/2024 00:54	WG2204827
(S) 1,2-Dichloroethane-d4	83.6		70.0-130		01/11/2024 00:54	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0845	2	01/10/2024 22:09	WG2203754
Acenaphthylene	ND		0.0845	2	01/10/2024 22:09	WG2203754
Anthracene	ND		0.0845	2	01/10/2024 22:09	WG2203754
Benzidine	ND		4.24	2	01/10/2024 22:09	WG2203754
Benzo(a)anthracene	0.391		0.0845	2	01/10/2024 22:09	WG2203754

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.699		0.0845	2	01/10/2024 22:09	WG2203754
Benzo(k)fluoranthene	0.226		0.0845	2	01/10/2024 22:09	WG2203754
Benzo(g,h,i)perylene	0.329		0.0845	2	01/10/2024 22:09	WG2203754
Benzo(a)pyrene	0.448		0.0845	2	01/10/2024 22:09	WG2203754
Bis(2-chloroethoxy)methane	ND		0.845	2	01/10/2024 22:09	WG2203754
Bis(2-chloroethyl)ether	ND		0.845	2	01/10/2024 22:09	WG2203754
2,2-Oxybis(1-Chloropropane)	ND		0.845	2	01/10/2024 22:09	WG2203754
4-Bromophenyl-phenylether	ND		0.845	2	01/10/2024 22:09	WG2203754
2-Chloronaphthalene	ND		0.0845	2	01/10/2024 22:09	WG2203754
4-Chlorophenyl-phenylether	ND		0.845	2	01/10/2024 22:09	WG2203754
Chrysene	0.430		0.0845	2	01/10/2024 22:09	WG2203754
Dibenz(a,h)anthracene	ND		0.0845	2	01/10/2024 22:09	WG2203754
3,3-Dichlorobenzidine	ND		0.845	2	01/10/2024 22:09	WG2203754
2,4-Dinitrotoluene	ND		0.845	2	01/10/2024 22:09	WG2203754
2,6-Dinitrotoluene	ND		0.845	2	01/10/2024 22:09	WG2203754
Fluoranthene	0.907		0.0845	2	01/10/2024 22:09	WG2203754
Fluorene	ND		0.0845	2	01/10/2024 22:09	WG2203754
Hexachlorobenzene	ND		0.845	2	01/10/2024 22:09	WG2203754
Hexachloro-1,3-butadiene	ND		0.845	2	01/10/2024 22:09	WG2203754
Hexachlorocyclopentadiene	ND		0.845	2	01/10/2024 22:09	WG2203754
Hexachloroethane	ND		0.845	2	01/10/2024 22:09	WG2203754
Indeno(1,2,3-cd)pyrene	0.351		0.0845	2	01/10/2024 22:09	WG2203754
Isophorone	ND		0.845	2	01/10/2024 22:09	WG2203754
Naphthalene	ND		0.0845	2	01/10/2024 22:09	WG2203754
Nitrobenzene	ND		0.845	2	01/10/2024 22:09	WG2203754
n-Nitrosodimethylamine	ND		0.845	2	01/10/2024 22:09	WG2203754
n-Nitrosodiphenylamine	ND		0.845	2	01/10/2024 22:09	WG2203754
n-Nitrosodi-n-propylamine	ND		0.845	2	01/10/2024 22:09	WG2203754
Phenanthrene	0.351		0.0845	2	01/10/2024 22:09	WG2203754
Benzylbutyl phthalate	ND		0.845	2	01/10/2024 22:09	WG2203754
Bis(2-ethylhexyl)phthalate	ND		0.845	2	01/10/2024 22:09	WG2203754
Di-n-butyl phthalate	ND		0.845	2	01/10/2024 22:09	WG2203754
Diethyl phthalate	ND		0.845	2	01/10/2024 22:09	WG2203754
Dimethyl phthalate	ND		0.845	2	01/10/2024 22:09	WG2203754
Di-n-octyl phthalate	ND		0.845	2	01/10/2024 22:09	WG2203754
Pyrene	0.780		0.0845	2	01/10/2024 22:09	WG2203754
1,2,4-Trichlorobenzene	ND		0.845	2	01/10/2024 22:09	WG2203754
4-Chloro-3-methylphenol	ND		0.845	2	01/10/2024 22:09	WG2203754
2-Chlorophenol	ND		0.845	2	01/10/2024 22:09	WG2203754
2,4-Dichlorophenol	ND		0.845	2	01/10/2024 22:09	WG2203754
2,4-Dimethylphenol	ND		0.845	2	01/10/2024 22:09	WG2203754
4,6-Dinitro-2-methylphenol	ND		0.845	2	01/10/2024 22:09	WG2203754
2,4-Dinitrophenol	ND		0.845	2	01/10/2024 22:09	WG2203754
2-Nitrophenol	ND		0.845	2	01/10/2024 22:09	WG2203754
4-Nitrophenol	ND		0.845	2	01/10/2024 22:09	WG2203754
Pentachlorophenol	ND		0.845	2	01/10/2024 22:09	WG2203754
Phenol	ND		0.845	2	01/10/2024 22:09	WG2203754
2,4,6-Trichlorophenol	ND		0.845	2	01/10/2024 22:09	WG2203754
(S) 2-Fluorophenol	67.4		12.0-120		01/10/2024 22:09	WG2203754
(S) Phenol-d5	61.8		10.0-120		01/10/2024 22:09	WG2203754
(S) Nitrobenzene-d5	64.5		10.0-122		01/10/2024 22:09	WG2203754
(S) 2-Fluorobiphenyl	70.8		15.0-120		01/10/2024 22:09	WG2203754
(S) 2,4,6-Tribromophenol	82.2		10.0-127		01/10/2024 22:09	WG2203754
(S) p-Terphenyl-d14	77.4		10.0-120		01/10/2024 22:09	WG2203754

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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L1693898-06 WG2203754: Dilution due to matrix impact during extract concentration procedure.

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.0		1	01/09/2024 09:29	WG2203098

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.33	1	01/10/2024 08:12	WG2203617

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0866		0.0533	1	01/10/2024 10:33	WG2203579

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.00	5	01/26/2024 14:56	WG2203584
Arsenic	3.29		1.33	5	01/26/2024 14:56	WG2203584
Barium	81.3		3.33	5	01/26/2024 14:56	WG2203584
Beryllium	ND		3.33	5	01/26/2024 14:56	WG2203584
Cadmium	ND		1.33	5	01/26/2024 14:56	WG2203584
Chromium	35.8		6.67	5	01/26/2024 14:56	WG2203584
Cobalt	14.8		1.33	5	01/26/2024 14:56	WG2203584
Copper	24.7		6.67	5	01/26/2024 14:56	WG2203584
Lead	55.8		2.67	5	01/26/2024 14:56	WG2203584
Manganese	695		3.33	5	01/26/2024 14:56	WG2203584
Nickel	21.3		3.33	5	01/26/2024 14:56	WG2203584
Selenium	ND		3.33	5	01/26/2024 14:56	WG2203584
Silver	1.00		0.667	5	01/26/2024 14:56	WG2203584
Thallium	ND		2.67	5	01/26/2024 14:56	WG2203584
Vanadium	42.1		3.33	5	01/26/2024 14:56	WG2203584
Zinc	60.1		33.3	5	01/26/2024 14:56	WG2203584

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0920	1.13	01/11/2024 01:13	WG2204827
Acrylonitrile	ND		0.0230	1.13	01/11/2024 01:13	WG2204827
Benzene	ND		0.00184	1.13	01/11/2024 01:13	WG2204827
Bromobenzene	ND		0.0230	1.13	01/11/2024 01:13	WG2204827
Bromodichloromethane	ND		0.00461	1.13	01/11/2024 01:13	WG2204827
Bromoform	ND		0.0461	1.13	01/11/2024 01:13	WG2204827
Bromomethane	ND	C3	0.0230	1.13	01/11/2024 01:13	WG2204827
n-Butylbenzene	ND		0.0230	1.13	01/11/2024 01:13	WG2204827
sec-Butylbenzene	ND	J3	0.0230	1.13	01/11/2024 01:13	WG2204827
tert-Butylbenzene	ND		0.00920	1.13	01/11/2024 01:13	WG2204827
Carbon tetrachloride	ND		0.00920	1.13	01/11/2024 01:13	WG2204827
Chlorobenzene	ND		0.00461	1.13	01/11/2024 01:13	WG2204827
Chlorodibromomethane	ND		0.00461	1.13	01/11/2024 01:13	WG2204827
Chloroethane	ND	C3	0.00920	1.13	01/11/2024 01:13	WG2204827
Chloroform	ND		0.00461	1.13	01/11/2024 01:13	WG2204827
Chloromethane	ND	C3	0.0230	1.13	01/11/2024 01:13	WG2204827
2-Chlorotoluene	ND		0.00461	1.13	01/11/2024 01:13	WG2204827
4-Chlorotoluene	ND		0.00920	1.13	01/11/2024 01:13	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0461	1.13	01/11/2024 01:13	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00461	1.13	01/11/2024 01:13	WG2204827
Dibromomethane	ND		0.00920	1.13	01/11/2024 01:13	WG2204827
1,2-Dichlorobenzene	ND		0.00920	1.13	01/11/2024 01:13	WG2204827
1,3-Dichlorobenzene	ND		0.00920	1.13	01/11/2024 01:13	WG2204827
1,4-Dichlorobenzene	ND		0.00920	1.13	01/11/2024 01:13	WG2204827
Dichlorodifluoromethane	ND	C3	0.00920	1.13	01/11/2024 01:13	WG2204827
1,1-Dichloroethane	ND		0.00461	1.13	01/11/2024 01:13	WG2204827
1,2-Dichloroethane	ND		0.00461	1.13	01/11/2024 01:13	WG2204827
1,1-Dichloroethene	ND	J3	0.00461	1.13	01/11/2024 01:13	WG2204827
cis-1,2-Dichloroethene	ND		0.00461	1.13	01/11/2024 01:13	WG2204827
trans-1,2-Dichloroethene	ND		0.00920	1.13	01/11/2024 01:13	WG2204827
1,2-Dichloropropane	ND		0.00920	1.13	01/11/2024 01:13	WG2204827
1,1-Dichloropropene	ND	J3	0.00461	1.13	01/11/2024 01:13	WG2204827
1,3-Dichloropropane	ND		0.00920	1.13	01/11/2024 01:13	WG2204827
cis-1,3-Dichloropropene	ND		0.00461	1.13	01/11/2024 01:13	WG2204827
trans-1,3-Dichloropropene	ND		0.00920	1.13	01/11/2024 01:13	WG2204827
2,2-Dichloropropane	ND		0.00461	1.13	01/11/2024 01:13	WG2204827
Di-isopropyl ether	ND		0.00184	1.13	01/11/2024 01:13	WG2204827
Ethylbenzene	ND		0.00461	1.13	01/11/2024 01:13	WG2204827
Hexachloro-1,3-butadiene	ND		0.0461	1.13	01/11/2024 01:13	WG2204827
Isopropylbenzene	ND		0.00461	1.13	01/11/2024 01:13	WG2204827
p-Isopropyltoluene	ND		0.00920	1.13	01/11/2024 01:13	WG2204827
2-Butanone (MEK)	ND		0.184	1.13	01/11/2024 01:13	WG2204827
Methylene Chloride	ND		0.0461	1.13	01/11/2024 01:13	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0461	1.13	01/11/2024 01:13	WG2204827
Methyl tert-butyl ether	ND		0.00184	1.13	01/11/2024 01:13	WG2204827
Naphthalene	ND		0.0230	1.13	01/11/2024 01:13	WG2204827
n-Propylbenzene	ND		0.00920	1.13	01/11/2024 01:13	WG2204827
Styrene	ND		0.0230	1.13	01/11/2024 01:13	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00461	1.13	01/11/2024 01:13	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00461	1.13	01/11/2024 01:13	WG2204827
Tetrachloroethene	ND	J3	0.00461	1.13	01/11/2024 01:13	WG2204827
Toluene	ND		0.00920	1.13	01/11/2024 01:13	WG2204827
1,2,3-Trichlorobenzene	ND		0.0230	1.13	01/11/2024 01:13	WG2204827
1,2,4-Trichlorobenzene	ND		0.0230	1.13	01/11/2024 01:13	WG2204827
1,1,1-Trichloroethane	ND		0.00461	1.13	01/11/2024 01:13	WG2204827
1,1,2-Trichloroethane	ND		0.00461	1.13	01/11/2024 01:13	WG2204827
Trichloroethene	ND		0.00184	1.13	01/11/2024 01:13	WG2204827
Trichlorofluoromethane	ND	C3	0.00461	1.13	01/11/2024 01:13	WG2204827
1,2,3-Trichloropropane	ND		0.0230	1.13	01/11/2024 01:13	WG2204827
1,2,4-Trimethylbenzene	ND		0.00920	1.13	01/11/2024 01:13	WG2204827
1,3,5-Trimethylbenzene	ND		0.00920	1.13	01/11/2024 01:13	WG2204827
Vinyl chloride	ND	C3 J3	0.00461	1.13	01/11/2024 01:13	WG2204827
Xylenes, Total	ND		0.0120	1.13	01/11/2024 01:13	WG2204827
(S) Toluene-d8	99.4		75.0-131		01/11/2024 01:13	WG2204827
(S) 4-Bromofluorobenzene	110		67.0-138		01/11/2024 01:13	WG2204827
(S) 1,2-Dichloroethane-d4	86.7		70.0-130		01/11/2024 01:13	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0888	2	01/10/2024 20:33	WG2203754
Acenaphthylene	ND		0.0888	2	01/10/2024 20:33	WG2203754
Anthracene	0.106		0.0888	2	01/10/2024 20:33	WG2203754
Benzidine	ND		4.45	2	01/10/2024 20:33	WG2203754
Benzo(a)anthracene	0.492		0.0888	2	01/10/2024 20:33	WG2203754

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.676		0.0888	2	01/10/2024 20:33	WG2203754
Benzo(k)fluoranthene	0.205		0.0888	2	01/10/2024 20:33	WG2203754
Benzo(g,h,i)perylene	0.312		0.0888	2	01/10/2024 20:33	WG2203754
Benzo(a)pyrene	0.492		0.0888	2	01/10/2024 20:33	WG2203754
Bis(2-chloroethoxy)methane	ND		0.888	2	01/10/2024 20:33	WG2203754
Bis(2-chloroethyl)ether	ND		0.888	2	01/10/2024 20:33	WG2203754
2,2-Oxybis(1-Chloropropane)	ND		0.888	2	01/10/2024 20:33	WG2203754
4-Bromophenyl-phenylether	ND		0.888	2	01/10/2024 20:33	WG2203754
2-Chloronaphthalene	ND		0.0888	2	01/10/2024 20:33	WG2203754
4-Chlorophenyl-phenylether	ND		0.888	2	01/10/2024 20:33	WG2203754
Chrysene	0.463		0.0888	2	01/10/2024 20:33	WG2203754
Dibenz(a,h)anthracene	ND		0.0888	2	01/10/2024 20:33	WG2203754
3,3-Dichlorobenzidine	ND		0.888	2	01/10/2024 20:33	WG2203754
2,4-Dinitrotoluene	ND		0.888	2	01/10/2024 20:33	WG2203754
2,6-Dinitrotoluene	ND		0.888	2	01/10/2024 20:33	WG2203754
Fluoranthene	1.06		0.0888	2	01/10/2024 20:33	WG2203754
Fluorene	ND		0.0888	2	01/10/2024 20:33	WG2203754
Hexachlorobenzene	ND		0.888	2	01/10/2024 20:33	WG2203754
Hexachloro-1,3-butadiene	ND		0.888	2	01/10/2024 20:33	WG2203754
Hexachlorocyclopentadiene	ND		0.888	2	01/10/2024 20:33	WG2203754
Hexachloroethane	ND		0.888	2	01/10/2024 20:33	WG2203754
Indeno(1,2,3-cd)pyrene	0.332		0.0888	2	01/10/2024 20:33	WG2203754
Isophorone	ND		0.888	2	01/10/2024 20:33	WG2203754
Naphthalene	ND		0.0888	2	01/10/2024 20:33	WG2203754
Nitrobenzene	ND		0.888	2	01/10/2024 20:33	WG2203754
n-Nitrosodimethylamine	ND		0.888	2	01/10/2024 20:33	WG2203754
n-Nitrosodiphenylamine	ND		0.888	2	01/10/2024 20:33	WG2203754
n-Nitrosodi-n-propylamine	ND		0.888	2	01/10/2024 20:33	WG2203754
Phenanthrene	0.629		0.0888	2	01/10/2024 20:33	WG2203754
Benzylbutyl phthalate	ND		0.888	2	01/10/2024 20:33	WG2203754
Bis(2-ethylhexyl)phthalate	ND		0.888	2	01/10/2024 20:33	WG2203754
Di-n-butyl phthalate	ND		0.888	2	01/10/2024 20:33	WG2203754
Diethyl phthalate	ND		0.888	2	01/10/2024 20:33	WG2203754
Dimethyl phthalate	ND		0.888	2	01/10/2024 20:33	WG2203754
Di-n-octyl phthalate	ND		0.888	2	01/10/2024 20:33	WG2203754
Pyrene	1.02		0.0888	2	01/10/2024 20:33	WG2203754
1,2,4-Trichlorobenzene	ND		0.888	2	01/10/2024 20:33	WG2203754
4-Chloro-3-methylphenol	ND		0.888	2	01/10/2024 20:33	WG2203754
2-Chlorophenol	ND		0.888	2	01/10/2024 20:33	WG2203754
2,4-Dichlorophenol	ND		0.888	2	01/10/2024 20:33	WG2203754
2,4-Dimethylphenol	ND		0.888	2	01/10/2024 20:33	WG2203754
4,6-Dinitro-2-methylphenol	ND		0.888	2	01/10/2024 20:33	WG2203754
2,4-Dinitrophenol	ND		0.888	2	01/10/2024 20:33	WG2203754
2-Nitrophenol	ND		0.888	2	01/10/2024 20:33	WG2203754
4-Nitrophenol	ND		0.888	2	01/10/2024 20:33	WG2203754
Pentachlorophenol	ND		0.888	2	01/10/2024 20:33	WG2203754
Phenol	ND		0.888	2	01/10/2024 20:33	WG2203754
2,4,6-Trichlorophenol	ND		0.888	2	01/10/2024 20:33	WG2203754
(S) 2-Fluorophenol	72.0		12.0-120		01/10/2024 20:33	WG2203754
(S) Phenol-d5	65.9		10.0-120		01/10/2024 20:33	WG2203754
(S) Nitrobenzene-d5	71.4		10.0-122		01/10/2024 20:33	WG2203754
(S) 2-Fluorobiphenyl	75.4		15.0-120		01/10/2024 20:33	WG2203754
(S) 2,4,6-Tribromophenol	87.5		10.0-127		01/10/2024 20:33	WG2203754
(S) p-Terphenyl-d14	85.8		10.0-120		01/10/2024 20:33	WG2203754

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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L1693898-07 WG2203754: Dilution due to matrix impact during extract concentration procedure.

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.4		1	01/09/2024 09:29	WG2203098

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND	J6	1.31	1	01/10/2024 08:30	WG2203617

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0523	1	01/10/2024 10:36	WG2203579

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.93	5	01/26/2024 15:00	WG2203584
Arsenic	ND		1.31	5	01/26/2024 15:00	WG2203584
Barium	67.9		3.27	5	01/26/2024 15:00	WG2203584
Beryllium	ND		3.27	5	01/26/2024 15:00	WG2203584
Cadmium	ND		1.31	5	01/26/2024 15:00	WG2203584
Chromium	9.19		6.54	5	01/26/2024 15:00	WG2203584
Cobalt	6.73		1.31	5	01/26/2024 15:00	WG2203584
Copper	8.64		6.54	5	01/26/2024 15:00	WG2203584
Lead	25.8		2.62	5	01/26/2024 15:00	WG2203584
Manganese	486		3.27	5	01/26/2024 15:00	WG2203584
Nickel	9.06		3.27	5	01/26/2024 15:00	WG2203584
Selenium	ND		3.27	5	01/26/2024 15:00	WG2203584
Silver	ND		0.654	5	01/26/2024 15:00	WG2203584
Thallium	ND		2.62	5	01/26/2024 15:00	WG2203584
Vanadium	15.3		3.27	5	01/26/2024 15:00	WG2203584
Zinc	ND		32.7	5	01/26/2024 15:00	WG2203584

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.110	1.45	01/11/2024 01:32	WG2204827
Acrylonitrile	ND		0.0275	1.45	01/11/2024 01:32	WG2204827
Benzene	ND		0.00221	1.45	01/11/2024 01:32	WG2204827
Bromobenzene	ND		0.0275	1.45	01/11/2024 01:32	WG2204827
Bromodichloromethane	ND		0.00552	1.45	01/11/2024 01:32	WG2204827
Bromoform	ND		0.0552	1.45	01/11/2024 01:32	WG2204827
Bromomethane	ND	C3	0.0275	1.45	01/11/2024 01:32	WG2204827
n-Butylbenzene	ND		0.0275	1.45	01/11/2024 01:32	WG2204827
sec-Butylbenzene	ND	J3	0.0275	1.45	01/11/2024 01:32	WG2204827
tert-Butylbenzene	ND		0.0110	1.45	01/11/2024 01:32	WG2204827
Carbon tetrachloride	ND		0.0110	1.45	01/11/2024 01:32	WG2204827
Chlorobenzene	ND		0.00552	1.45	01/11/2024 01:32	WG2204827
Chlorodibromomethane	ND		0.00552	1.45	01/11/2024 01:32	WG2204827
Chloroethane	ND	C3	0.0110	1.45	01/11/2024 01:32	WG2204827
Chloroform	ND		0.00552	1.45	01/11/2024 01:32	WG2204827
Chloromethane	ND	C3	0.0275	1.45	01/11/2024 01:32	WG2204827
2-Chlorotoluene	ND		0.00552	1.45	01/11/2024 01:32	WG2204827
4-Chlorotoluene	ND		0.0110	1.45	01/11/2024 01:32	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0552	1.45	01/11/2024 01:32	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00552	1.45	01/11/2024 01:32	WG2204827
Dibromomethane	ND		0.0110	1.45	01/11/2024 01:32	WG2204827
1,2-Dichlorobenzene	ND		0.0110	1.45	01/11/2024 01:32	WG2204827
1,3-Dichlorobenzene	ND		0.0110	1.45	01/11/2024 01:32	WG2204827
1,4-Dichlorobenzene	ND		0.0110	1.45	01/11/2024 01:32	WG2204827
Dichlorodifluoromethane	ND	C3	0.0110	1.45	01/11/2024 01:32	WG2204827
1,1-Dichloroethane	ND		0.00552	1.45	01/11/2024 01:32	WG2204827
1,2-Dichloroethane	ND		0.00552	1.45	01/11/2024 01:32	WG2204827
1,1-Dichloroethene	ND	J3	0.00552	1.45	01/11/2024 01:32	WG2204827
cis-1,2-Dichloroethene	ND		0.00552	1.45	01/11/2024 01:32	WG2204827
trans-1,2-Dichloroethene	ND		0.0110	1.45	01/11/2024 01:32	WG2204827
1,2-Dichloropropane	ND		0.0110	1.45	01/11/2024 01:32	WG2204827
1,1-Dichloropropene	ND	J3	0.00552	1.45	01/11/2024 01:32	WG2204827
1,3-Dichloropropane	ND		0.0110	1.45	01/11/2024 01:32	WG2204827
cis-1,3-Dichloropropene	ND		0.00552	1.45	01/11/2024 01:32	WG2204827
trans-1,3-Dichloropropene	ND		0.0110	1.45	01/11/2024 01:32	WG2204827
2,2-Dichloropropane	ND		0.00552	1.45	01/11/2024 01:32	WG2204827
Di-isopropyl ether	ND		0.00221	1.45	01/11/2024 01:32	WG2204827
Ethylbenzene	ND		0.00552	1.45	01/11/2024 01:32	WG2204827
Hexachloro-1,3-butadiene	ND		0.0552	1.45	01/11/2024 01:32	WG2204827
Isopropylbenzene	ND		0.00552	1.45	01/11/2024 01:32	WG2204827
p-Isopropyltoluene	ND		0.0110	1.45	01/11/2024 01:32	WG2204827
2-Butanone (MEK)	ND		0.221	1.45	01/11/2024 01:32	WG2204827
Methylene Chloride	ND		0.0552	1.45	01/11/2024 01:32	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0552	1.45	01/11/2024 01:32	WG2204827
Methyl tert-butyl ether	ND		0.00221	1.45	01/11/2024 01:32	WG2204827
Naphthalene	ND		0.0275	1.45	01/11/2024 01:32	WG2204827
n-Propylbenzene	ND		0.0110	1.45	01/11/2024 01:32	WG2204827
Styrene	ND		0.0275	1.45	01/11/2024 01:32	WG2204827
1,1,1-Tetrachloroethane	ND		0.00552	1.45	01/11/2024 01:32	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00552	1.45	01/11/2024 01:32	WG2204827
Tetrachloroethene	ND	J3	0.00552	1.45	01/11/2024 01:32	WG2204827
Toluene	ND		0.0110	1.45	01/11/2024 01:32	WG2204827
1,2,3-Trichlorobenzene	ND		0.0275	1.45	01/11/2024 01:32	WG2204827
1,2,4-Trichlorobenzene	ND		0.0275	1.45	01/11/2024 01:32	WG2204827
1,1,1-Trichloroethane	ND		0.00552	1.45	01/11/2024 01:32	WG2204827
1,1,2-Trichloroethane	ND		0.00552	1.45	01/11/2024 01:32	WG2204827
Trichloroethene	ND		0.00221	1.45	01/11/2024 01:32	WG2204827
Trichlorofluoromethane	ND	C3	0.00552	1.45	01/11/2024 01:32	WG2204827
1,2,3-Trichloropropane	ND		0.0275	1.45	01/11/2024 01:32	WG2204827
1,2,4-Trimethylbenzene	ND		0.0110	1.45	01/11/2024 01:32	WG2204827
1,3,5-Trimethylbenzene	ND		0.0110	1.45	01/11/2024 01:32	WG2204827
Vinyl chloride	ND	C3 J3	0.00552	1.45	01/11/2024 01:32	WG2204827
Xylenes, Total	ND		0.0144	1.45	01/11/2024 01:32	WG2204827
(S) Toluene-d8	99.2		75.0-131		01/11/2024 01:32	WG2204827
(S) 4-Bromofluorobenzene	110		67.0-138		01/11/2024 01:32	WG2204827
(S) 1,2-Dichloroethane-d4	86.4		70.0-130		01/11/2024 01:32	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0436	1	01/10/2024 18:56	WG2203754
Acenaphthylene	ND		0.0436	1	01/10/2024 18:56	WG2203754
Anthracene	ND		0.0436	1	01/10/2024 18:56	WG2203754
Benzidine	ND		2.19	1	01/10/2024 18:56	WG2203754
Benzo(a)anthracene	ND		0.0436	1	01/10/2024 18:56	WG2203754

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0529		0.0436	1	01/10/2024 18:56	WG2203754
Benzo(k)fluoranthene	ND		0.0436	1	01/10/2024 18:56	WG2203754
Benzo(g,h,i)perylene	ND		0.0436	1	01/10/2024 18:56	WG2203754
Benzo(a)pyrene	ND		0.0436	1	01/10/2024 18:56	WG2203754
Bis(2-chloroethoxy)methane	ND		0.436	1	01/10/2024 18:56	WG2203754
Bis(2-chloroethyl)ether	ND		0.436	1	01/10/2024 18:56	WG2203754
2,2-Oxybis(1-Chloropropane)	ND		0.436	1	01/10/2024 18:56	WG2203754
4-Bromophenyl-phenylether	ND		0.436	1	01/10/2024 18:56	WG2203754
2-Chloronaphthalene	ND		0.0436	1	01/10/2024 18:56	WG2203754
4-Chlorophenyl-phenylether	ND		0.436	1	01/10/2024 18:56	WG2203754
Chrysene	ND		0.0436	1	01/10/2024 18:56	WG2203754
Dibenz(a,h)anthracene	ND		0.0436	1	01/10/2024 18:56	WG2203754
3,3-Dichlorobenzidine	ND		0.436	1	01/10/2024 18:56	WG2203754
2,4-Dinitrotoluene	ND		0.436	1	01/10/2024 18:56	WG2203754
2,6-Dinitrotoluene	ND		0.436	1	01/10/2024 18:56	WG2203754
Fluoranthene	0.0534		0.0436	1	01/10/2024 18:56	WG2203754
Fluorene	ND		0.0436	1	01/10/2024 18:56	WG2203754
Hexachlorobenzene	ND		0.436	1	01/10/2024 18:56	WG2203754
Hexachloro-1,3-butadiene	ND		0.436	1	01/10/2024 18:56	WG2203754
Hexachlorocyclopentadiene	ND		0.436	1	01/10/2024 18:56	WG2203754
Hexachloroethane	ND		0.436	1	01/10/2024 18:56	WG2203754
Indeno(1,2,3-cd)pyrene	ND		0.0436	1	01/10/2024 18:56	WG2203754
Isophorone	ND		0.436	1	01/10/2024 18:56	WG2203754
Naphthalene	ND		0.0436	1	01/10/2024 18:56	WG2203754
Nitrobenzene	ND		0.436	1	01/10/2024 18:56	WG2203754
n-Nitrosodimethylamine	ND		0.436	1	01/10/2024 18:56	WG2203754
n-Nitrosodiphenylamine	ND		0.436	1	01/10/2024 18:56	WG2203754
n-Nitrosodi-n-propylamine	ND		0.436	1	01/10/2024 18:56	WG2203754
Phenanthrene	ND		0.0436	1	01/10/2024 18:56	WG2203754
Benzylbutyl phthalate	ND		0.436	1	01/10/2024 18:56	WG2203754
Bis(2-ethylhexyl)phthalate	ND		0.436	1	01/10/2024 18:56	WG2203754
Di-n-butyl phthalate	ND		0.436	1	01/10/2024 18:56	WG2203754
Diethyl phthalate	ND		0.436	1	01/10/2024 18:56	WG2203754
Dimethyl phthalate	ND		0.436	1	01/10/2024 18:56	WG2203754
Di-n-octyl phthalate	ND		0.436	1	01/10/2024 18:56	WG2203754
Pyrene	0.0472		0.0436	1	01/10/2024 18:56	WG2203754
1,2,4-Trichlorobenzene	ND		0.436	1	01/10/2024 18:56	WG2203754
4-Chloro-3-methylphenol	ND		0.436	1	01/10/2024 18:56	WG2203754
2-Chlorophenol	ND		0.436	1	01/10/2024 18:56	WG2203754
2,4-Dichlorophenol	ND		0.436	1	01/10/2024 18:56	WG2203754
2,4-Dimethylphenol	ND		0.436	1	01/10/2024 18:56	WG2203754
4,6-Dinitro-2-methylphenol	ND		0.436	1	01/10/2024 18:56	WG2203754
2,4-Dinitrophenol	ND		0.436	1	01/10/2024 18:56	WG2203754
2-Nitrophenol	ND		0.436	1	01/10/2024 18:56	WG2203754
4-Nitrophenol	ND		0.436	1	01/10/2024 18:56	WG2203754
Pentachlorophenol	ND		0.436	1	01/10/2024 18:56	WG2203754
Phenol	ND		0.436	1	01/10/2024 18:56	WG2203754
2,4,6-Trichlorophenol	ND		0.436	1	01/10/2024 18:56	WG2203754
(S) 2-Fluorophenol	55.9		12.0-120		01/10/2024 18:56	WG2203754
(S) Phenol-d5	52.3		10.0-120		01/10/2024 18:56	WG2203754
(S) Nitrobenzene-d5	56.5		10.0-122		01/10/2024 18:56	WG2203754
(S) 2-Fluorobiphenyl	60.5		15.0-120		01/10/2024 18:56	WG2203754
(S) 2,4,6-Tribromophenol	71.3		10.0-127		01/10/2024 18:56	WG2203754
(S) p-Terphenyl-d14	62.6		10.0-120		01/10/2024 18:56	WG2203754

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.3		1	01/09/2024 09:29	WG2203098

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.66		1.23	1	01/10/2024 09:01	WG2203617

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0492	1	01/10/2024 10:38	WG2203579

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.69	5	01/26/2024 15:03	WG2203584
Arsenic	1.88		1.23	5	01/26/2024 15:03	WG2203584
Barium	64.2		3.08	5	01/26/2024 15:03	WG2203584
Beryllium	ND		3.08	5	01/26/2024 15:03	WG2203584
Cadmium	ND		1.23	5	01/26/2024 15:03	WG2203584
Chromium	35.1		6.15	5	01/26/2024 15:03	WG2203584
Cobalt	9.85		1.23	5	01/26/2024 15:03	WG2203584
Copper	16.6		6.15	5	01/26/2024 15:03	WG2203584
Lead	34.4		2.46	5	01/26/2024 15:03	WG2203584
Manganese	530		3.08	5	01/26/2024 15:03	WG2203584
Nickel	11.9		3.08	5	01/26/2024 15:03	WG2203584
Selenium	ND		3.08	5	01/26/2024 15:03	WG2203584
Silver	0.643		0.615	5	01/26/2024 15:03	WG2203584
Thallium	ND		2.46	5	01/26/2024 15:03	WG2203584
Vanadium	29.0		3.08	5	01/26/2024 15:03	WG2203584
Zinc	38.2		30.8	5	01/26/2024 15:03	WG2203584

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0767	1.06	01/11/2024 01:51	WG2204827
Acrylonitrile	ND		0.0192	1.06	01/11/2024 01:51	WG2204827
Benzene	ND		0.00153	1.06	01/11/2024 01:51	WG2204827
Bromobenzene	ND		0.0192	1.06	01/11/2024 01:51	WG2204827
Bromodichloromethane	ND		0.00383	1.06	01/11/2024 01:51	WG2204827
Bromoform	ND		0.0383	1.06	01/11/2024 01:51	WG2204827
Bromomethane	ND	C3	0.0192	1.06	01/11/2024 01:51	WG2204827
n-Butylbenzene	ND		0.0192	1.06	01/11/2024 01:51	WG2204827
sec-Butylbenzene	ND	J3	0.0192	1.06	01/11/2024 01:51	WG2204827
tert-Butylbenzene	ND		0.00767	1.06	01/11/2024 01:51	WG2204827
Carbon tetrachloride	ND		0.00767	1.06	01/11/2024 01:51	WG2204827
Chlorobenzene	ND		0.00383	1.06	01/11/2024 01:51	WG2204827
Chlorodibromomethane	ND		0.00383	1.06	01/11/2024 01:51	WG2204827
Chloroethane	ND	C3	0.00767	1.06	01/11/2024 01:51	WG2204827
Chloroform	0.00388	B	0.00383	1.06	01/11/2024 01:51	WG2204827
Chloromethane	ND	C3	0.0192	1.06	01/11/2024 01:51	WG2204827
2-Chlorotoluene	ND		0.00383	1.06	01/11/2024 01:51	WG2204827
4-Chlorotoluene	ND		0.00767	1.06	01/11/2024 01:51	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0383	1.06	01/11/2024 01:51	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00383	1.06	01/11/2024 01:51	WG2204827
Dibromomethane	ND		0.00767	1.06	01/11/2024 01:51	WG2204827
1,2-Dichlorobenzene	ND		0.00767	1.06	01/11/2024 01:51	WG2204827
1,3-Dichlorobenzene	ND		0.00767	1.06	01/11/2024 01:51	WG2204827
1,4-Dichlorobenzene	ND		0.00767	1.06	01/11/2024 01:51	WG2204827
Dichlorodifluoromethane	ND	C3	0.00767	1.06	01/11/2024 01:51	WG2204827
1,1-Dichloroethane	ND		0.00383	1.06	01/11/2024 01:51	WG2204827
1,2-Dichloroethane	ND		0.00383	1.06	01/11/2024 01:51	WG2204827
1,1-Dichloroethene	ND	J3	0.00383	1.06	01/11/2024 01:51	WG2204827
cis-1,2-Dichloroethene	ND		0.00383	1.06	01/11/2024 01:51	WG2204827
trans-1,2-Dichloroethene	ND		0.00767	1.06	01/11/2024 01:51	WG2204827
1,2-Dichloropropane	ND		0.00767	1.06	01/11/2024 01:51	WG2204827
1,1-Dichloropropene	ND	J3	0.00383	1.06	01/11/2024 01:51	WG2204827
1,3-Dichloropropane	ND		0.00767	1.06	01/11/2024 01:51	WG2204827
cis-1,3-Dichloropropene	ND		0.00383	1.06	01/11/2024 01:51	WG2204827
trans-1,3-Dichloropropene	ND		0.00767	1.06	01/11/2024 01:51	WG2204827
2,2-Dichloropropane	ND		0.00383	1.06	01/11/2024 01:51	WG2204827
Di-isopropyl ether	ND		0.00153	1.06	01/11/2024 01:51	WG2204827
Ethylbenzene	0.0119		0.00383	1.06	01/11/2024 01:51	WG2204827
Hexachloro-1,3-butadiene	ND		0.0383	1.06	01/11/2024 01:51	WG2204827
Isopropylbenzene	ND		0.00383	1.06	01/11/2024 01:51	WG2204827
p-Isopropyltoluene	ND		0.00767	1.06	01/11/2024 01:51	WG2204827
2-Butanone (MEK)	ND		0.153	1.06	01/11/2024 01:51	WG2204827
Methylene Chloride	ND		0.0383	1.06	01/11/2024 01:51	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0383	1.06	01/11/2024 01:51	WG2204827
Methyl tert-butyl ether	ND		0.00153	1.06	01/11/2024 01:51	WG2204827
Naphthalene	ND		0.0192	1.06	01/11/2024 01:51	WG2204827
n-Propylbenzene	ND		0.00767	1.06	01/11/2024 01:51	WG2204827
Styrene	ND		0.0192	1.06	01/11/2024 01:51	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00383	1.06	01/11/2024 01:51	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00383	1.06	01/11/2024 01:51	WG2204827
Tetrachloroethene	ND	J3	0.00383	1.06	01/11/2024 01:51	WG2204827
Toluene	ND		0.00767	1.06	01/11/2024 01:51	WG2204827
1,2,3-Trichlorobenzene	ND		0.0192	1.06	01/11/2024 01:51	WG2204827
1,2,4-Trichlorobenzene	ND		0.0192	1.06	01/11/2024 01:51	WG2204827
1,1,1-Trichloroethane	ND		0.00383	1.06	01/11/2024 01:51	WG2204827
1,1,2-Trichloroethane	ND		0.00383	1.06	01/11/2024 01:51	WG2204827
Trichloroethene	ND		0.00153	1.06	01/11/2024 01:51	WG2204827
Trichlorofluoromethane	ND	C3	0.00383	1.06	01/11/2024 01:51	WG2204827
1,2,3-Trichloropropane	ND		0.0192	1.06	01/11/2024 01:51	WG2204827
1,2,4-Trimethylbenzene	ND		0.00767	1.06	01/11/2024 01:51	WG2204827
1,3,5-Trimethylbenzene	ND		0.00767	1.06	01/11/2024 01:51	WG2204827
Vinyl chloride	ND	C3 J3	0.00383	1.06	01/11/2024 01:51	WG2204827
Xylenes, Total	ND		0.00997	1.06	01/11/2024 01:51	WG2204827
(S) Toluene-d8	99.1		75.0-131		01/11/2024 01:51	WG2204827
(S) 4-Bromofluorobenzene	110		67.0-138		01/11/2024 01:51	WG2204827
(S) 1,2-Dichloroethane-d4	86.1		70.0-130		01/11/2024 01:51	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0410	1	01/10/2024 19:20	WG2203754
Acenaphthylene	ND		0.0410	1	01/10/2024 19:20	WG2203754
Anthracene	0.0802		0.0410	1	01/10/2024 19:20	WG2203754
Benzidine	ND		2.05	1	01/10/2024 19:20	WG2203754
Benzo(a)anthracene	0.332		0.0410	1	01/10/2024 19:20	WG2203754

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.420		0.0410	1	01/10/2024 19:20	WG2203754
Benzo(k)fluoranthene	0.125		0.0410	1	01/10/2024 19:20	WG2203754
Benzo(g,h,i)perylene	0.198		0.0410	1	01/10/2024 19:20	WG2203754
Benzo(a)pyrene	0.316		0.0410	1	01/10/2024 19:20	WG2203754
Bis(2-chloroethoxy)methane	ND		0.410	1	01/10/2024 19:20	WG2203754
Bis(2-chloroethyl)ether	ND		0.410	1	01/10/2024 19:20	WG2203754
2,2-Oxybis(1-Chloropropane)	ND		0.410	1	01/10/2024 19:20	WG2203754
4-Bromophenyl-phenylether	ND		0.410	1	01/10/2024 19:20	WG2203754
2-Chloronaphthalene	ND		0.0410	1	01/10/2024 19:20	WG2203754
4-Chlorophenyl-phenylether	ND		0.410	1	01/10/2024 19:20	WG2203754
Chrysene	0.290		0.0410	1	01/10/2024 19:20	WG2203754
Dibenz(a,h)anthracene	0.0481		0.0410	1	01/10/2024 19:20	WG2203754
3,3-Dichlorobenzidine	ND		0.410	1	01/10/2024 19:20	WG2203754
2,4-Dinitrotoluene	ND		0.410	1	01/10/2024 19:20	WG2203754
2,6-Dinitrotoluene	ND		0.410	1	01/10/2024 19:20	WG2203754
Fluoranthene	0.734		0.0410	1	01/10/2024 19:20	WG2203754
Fluorene	ND		0.0410	1	01/10/2024 19:20	WG2203754
Hexachlorobenzene	ND		0.410	1	01/10/2024 19:20	WG2203754
Hexachloro-1,3-butadiene	ND		0.410	1	01/10/2024 19:20	WG2203754
Hexachlorocyclopentadiene	ND		0.410	1	01/10/2024 19:20	WG2203754
Hexachloroethane	ND		0.410	1	01/10/2024 19:20	WG2203754
Indeno(1,2,3-cd)pyrene	0.214		0.0410	1	01/10/2024 19:20	WG2203754
Isophorone	ND		0.410	1	01/10/2024 19:20	WG2203754
Naphthalene	ND		0.0410	1	01/10/2024 19:20	WG2203754
Nitrobenzene	ND		0.410	1	01/10/2024 19:20	WG2203754
n-Nitrosodimethylamine	ND		0.410	1	01/10/2024 19:20	WG2203754
n-Nitrosodiphenylamine	ND		0.410	1	01/10/2024 19:20	WG2203754
n-Nitrosodi-n-propylamine	ND		0.410	1	01/10/2024 19:20	WG2203754
Phenanthrene	0.455		0.0410	1	01/10/2024 19:20	WG2203754
Benzylbutyl phthalate	ND		0.410	1	01/10/2024 19:20	WG2203754
Bis(2-ethylhexyl)phthalate	ND		0.410	1	01/10/2024 19:20	WG2203754
Di-n-butyl phthalate	ND		0.410	1	01/10/2024 19:20	WG2203754
Diethyl phthalate	ND		0.410	1	01/10/2024 19:20	WG2203754
Dimethyl phthalate	ND		0.410	1	01/10/2024 19:20	WG2203754
Di-n-octyl phthalate	ND		0.410	1	01/10/2024 19:20	WG2203754
Pyrene	0.659		0.0410	1	01/10/2024 19:20	WG2203754
1,2,4-Trichlorobenzene	ND		0.410	1	01/10/2024 19:20	WG2203754
4-Chloro-3-methylphenol	ND		0.410	1	01/10/2024 19:20	WG2203754
2-Chlorophenol	ND		0.410	1	01/10/2024 19:20	WG2203754
2,4-Dichlorophenol	ND		0.410	1	01/10/2024 19:20	WG2203754
2,4-Dimethylphenol	ND		0.410	1	01/10/2024 19:20	WG2203754
4,6-Dinitro-2-methylphenol	ND		0.410	1	01/10/2024 19:20	WG2203754
2,4-Dinitrophenol	ND		0.410	1	01/10/2024 19:20	WG2203754
2-Nitrophenol	ND		0.410	1	01/10/2024 19:20	WG2203754
4-Nitrophenol	ND		0.410	1	01/10/2024 19:20	WG2203754
Pentachlorophenol	ND		0.410	1	01/10/2024 19:20	WG2203754
Phenol	ND		0.410	1	01/10/2024 19:20	WG2203754
2,4,6-Trichlorophenol	ND		0.410	1	01/10/2024 19:20	WG2203754
(S) 2-Fluorophenol	64.6		12.0-120		01/10/2024 19:20	WG2203754
(S) Phenol-d5	57.8		10.0-120		01/10/2024 19:20	WG2203754
(S) Nitrobenzene-d5	61.7		10.0-122		01/10/2024 19:20	WG2203754
(S) 2-Fluorobiphenyl	66.3		15.0-120		01/10/2024 19:20	WG2203754
(S) 2,4,6-Tribromophenol	78.9		10.0-127		01/10/2024 19:20	WG2203754
(S) p-Terphenyl-d14	74.4		10.0-120		01/10/2024 19:20	WG2203754

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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L1693898-09 WG2203754: Dilution due to matrix impact during extract concentration procedure.

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.4		1	01/09/2024 09:29	WG2203098

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.34	1	01/10/2024 09:07	WG2203617

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0710		0.0537	1	01/10/2024 10:41	WG2203579

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.03	5	01/26/2024 15:06	WG2203584
Arsenic	3.26		1.34	5	01/26/2024 15:06	WG2203584
Barium	91.5		3.36	5	01/26/2024 15:06	WG2203584
Beryllium	ND		3.36	5	01/26/2024 15:06	WG2203584
Cadmium	ND		1.34	5	01/26/2024 15:06	WG2203584
Chromium	28.5		6.72	5	01/26/2024 15:06	WG2203584
Cobalt	10.9		1.34	5	01/26/2024 15:06	WG2203584
Copper	16.5		6.72	5	01/26/2024 15:06	WG2203584
Lead	36.0		2.69	5	01/26/2024 15:06	WG2203584
Manganese	556		3.36	5	01/26/2024 15:06	WG2203584
Nickel	14.3		3.36	5	01/26/2024 15:06	WG2203584
Selenium	ND		3.36	5	01/26/2024 15:06	WG2203584
Silver	ND		0.672	5	01/26/2024 15:06	WG2203584
Thallium	ND		2.69	5	01/26/2024 15:06	WG2203584
Vanadium	37.8		3.36	5	01/26/2024 15:06	WG2203584
Zinc	46.3		33.6	5	01/26/2024 15:06	WG2203584

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.102	1.27	01/11/2024 02:10	WG2204827
Acrylonitrile	ND		0.0257	1.27	01/11/2024 02:10	WG2204827
Benzene	ND		0.00205	1.27	01/11/2024 02:10	WG2204827
Bromobenzene	ND		0.0257	1.27	01/11/2024 02:10	WG2204827
Bromodichloromethane	ND		0.00513	1.27	01/11/2024 02:10	WG2204827
Bromoform	ND		0.0513	1.27	01/11/2024 02:10	WG2204827
Bromomethane	ND	C3	0.0257	1.27	01/11/2024 02:10	WG2204827
n-Butylbenzene	ND		0.0257	1.27	01/11/2024 02:10	WG2204827
sec-Butylbenzene	ND	J3	0.0257	1.27	01/11/2024 02:10	WG2204827
tert-Butylbenzene	ND		0.0102	1.27	01/11/2024 02:10	WG2204827
Carbon tetrachloride	ND		0.0102	1.27	01/11/2024 02:10	WG2204827
Chlorobenzene	ND		0.00513	1.27	01/11/2024 02:10	WG2204827
Chlorodibromomethane	ND		0.00513	1.27	01/11/2024 02:10	WG2204827
Chloroethane	ND	C3	0.0102	1.27	01/11/2024 02:10	WG2204827
Chloroform	ND		0.00513	1.27	01/11/2024 02:10	WG2204827
Chloromethane	ND	C3	0.0257	1.27	01/11/2024 02:10	WG2204827
2-Chlorotoluene	ND		0.00513	1.27	01/11/2024 02:10	WG2204827
4-Chlorotoluene	ND		0.0102	1.27	01/11/2024 02:10	WG2204827
1,2-Dibromo-3-Chloropropane	ND	C3	0.0513	1.27	01/11/2024 02:10	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00513	1.27	01/11/2024 02:10	WG2204827
Dibromomethane	ND		0.0102	1.27	01/11/2024 02:10	WG2204827
1,2-Dichlorobenzene	ND		0.0102	1.27	01/11/2024 02:10	WG2204827
1,3-Dichlorobenzene	ND		0.0102	1.27	01/11/2024 02:10	WG2204827
1,4-Dichlorobenzene	ND		0.0102	1.27	01/11/2024 02:10	WG2204827
Dichlorodifluoromethane	ND	C3	0.0102	1.27	01/11/2024 02:10	WG2204827
1,1-Dichloroethane	ND		0.00513	1.27	01/11/2024 02:10	WG2204827
1,2-Dichloroethane	ND		0.00513	1.27	01/11/2024 02:10	WG2204827
1,1-Dichloroethene	ND	J3	0.00513	1.27	01/11/2024 02:10	WG2204827
cis-1,2-Dichloroethene	ND		0.00513	1.27	01/11/2024 02:10	WG2204827
trans-1,2-Dichloroethene	ND		0.0102	1.27	01/11/2024 02:10	WG2204827
1,2-Dichloropropane	ND		0.0102	1.27	01/11/2024 02:10	WG2204827
1,1-Dichloropropene	ND	J3	0.00513	1.27	01/11/2024 02:10	WG2204827
1,3-Dichloropropane	ND		0.0102	1.27	01/11/2024 02:10	WG2204827
cis-1,3-Dichloropropene	ND		0.00513	1.27	01/11/2024 02:10	WG2204827
trans-1,3-Dichloropropene	ND		0.0102	1.27	01/11/2024 02:10	WG2204827
2,2-Dichloropropane	ND		0.00513	1.27	01/11/2024 02:10	WG2204827
Di-isopropyl ether	ND		0.00205	1.27	01/11/2024 02:10	WG2204827
Ethylbenzene	ND		0.00513	1.27	01/11/2024 02:10	WG2204827
Hexachloro-1,3-butadiene	ND		0.0513	1.27	01/11/2024 02:10	WG2204827
Isopropylbenzene	ND		0.00513	1.27	01/11/2024 02:10	WG2204827
p-Isopropyltoluene	ND		0.0102	1.27	01/11/2024 02:10	WG2204827
2-Butanone (MEK)	ND		0.205	1.27	01/11/2024 02:10	WG2204827
Methylene Chloride	ND		0.0513	1.27	01/11/2024 02:10	WG2204827
4-Methyl-2-pentanone (MIBK)	ND		0.0513	1.27	01/11/2024 02:10	WG2204827
Methyl tert-butyl ether	ND		0.00205	1.27	01/11/2024 02:10	WG2204827
Naphthalene	ND		0.0257	1.27	01/11/2024 02:10	WG2204827
n-Propylbenzene	ND		0.0102	1.27	01/11/2024 02:10	WG2204827
Styrene	ND		0.0257	1.27	01/11/2024 02:10	WG2204827
1,1,1,2-Tetrachloroethane	ND		0.00513	1.27	01/11/2024 02:10	WG2204827
1,1,2,2-Tetrachloroethane	ND		0.00513	1.27	01/11/2024 02:10	WG2204827
Tetrachloroethene	ND	J3	0.00513	1.27	01/11/2024 02:10	WG2204827
Toluene	ND		0.0102	1.27	01/11/2024 02:10	WG2204827
1,2,3-Trichlorobenzene	ND		0.0257	1.27	01/11/2024 02:10	WG2204827
1,2,4-Trichlorobenzene	ND		0.0257	1.27	01/11/2024 02:10	WG2204827
1,1,1-Trichloroethane	ND		0.00513	1.27	01/11/2024 02:10	WG2204827
1,1,2-Trichloroethane	ND		0.00513	1.27	01/11/2024 02:10	WG2204827
Trichloroethene	ND		0.00205	1.27	01/11/2024 02:10	WG2204827
Trichlorofluoromethane	ND	C3	0.00513	1.27	01/11/2024 02:10	WG2204827
1,2,3-Trichloropropane	ND		0.0257	1.27	01/11/2024 02:10	WG2204827
1,2,4-Trimethylbenzene	ND		0.0102	1.27	01/11/2024 02:10	WG2204827
1,3,5-Trimethylbenzene	ND		0.0102	1.27	01/11/2024 02:10	WG2204827
Vinyl chloride	ND	C3 J3	0.00513	1.27	01/11/2024 02:10	WG2204827
Xylenes, Total	ND		0.0133	1.27	01/11/2024 02:10	WG2204827
(S) Toluene-d8	98.4		75.0-131		01/11/2024 02:10	WG2204827
(S) 4-Bromofluorobenzene	111		67.0-138		01/11/2024 02:10	WG2204827
(S) 1,2-Dichloroethane-d4	84.5		70.0-130		01/11/2024 02:10	WG2204827

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0895	2	01/10/2024 20:09	WG2203754
Acenaphthylene	ND		0.0895	2	01/10/2024 20:09	WG2203754
Anthracene	ND		0.0895	2	01/10/2024 20:09	WG2203754
Benzidine	ND		4.49	2	01/10/2024 20:09	WG2203754
Benzo(a)anthracene	0.214		0.0895	2	01/10/2024 20:09	WG2203754

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Benzo(b)fluoranthene	0.312		0.0895	2	01/10/2024 20:09	WG2203754	1 Cp
Benzo(k)fluoranthene	0.102		0.0895	2	01/10/2024 20:09	WG2203754	2 Tc
Benzo(g,h,i)perylene	0.152		0.0895	2	01/10/2024 20:09	WG2203754	3 Ss
Benzo(a)pyrene	0.228		0.0895	2	01/10/2024 20:09	WG2203754	4 Cn
Bis(2-chloroethoxy)methane	ND		0.895	2	01/10/2024 20:09	WG2203754	5 Sr
Bis(2-chloroethyl)ether	ND		0.895	2	01/10/2024 20:09	WG2203754	6 Qc
2,2-Oxybis(1-Chloropropane)	ND		0.895	2	01/10/2024 20:09	WG2203754	7 Gl
4-Bromophenyl-phenylether	ND		0.895	2	01/10/2024 20:09	WG2203754	8 Al
2-Chloronaphthalene	ND		0.0895	2	01/10/2024 20:09	WG2203754	9 Sc
4-Chlorophenyl-phenylether	ND		0.895	2	01/10/2024 20:09	WG2203754	
Chrysene	0.196		0.0895	2	01/10/2024 20:09	WG2203754	
Dibenz(a,h)anthracene	ND		0.0895	2	01/10/2024 20:09	WG2203754	
3,3-Dichlorobenzidine	ND		0.895	2	01/10/2024 20:09	WG2203754	
2,4-Dinitrotoluene	ND		0.895	2	01/10/2024 20:09	WG2203754	
2,6-Dinitrotoluene	ND		0.895	2	01/10/2024 20:09	WG2203754	
Fluoranthene	0.457		0.0895	2	01/10/2024 20:09	WG2203754	
Fluorene	ND		0.0895	2	01/10/2024 20:09	WG2203754	
Hexachlorobenzene	ND		0.895	2	01/10/2024 20:09	WG2203754	
Hexachloro-1,3-butadiene	ND		0.895	2	01/10/2024 20:09	WG2203754	
Hexachlorocyclopentadiene	ND		0.895	2	01/10/2024 20:09	WG2203754	
Hexachloroethane	ND		0.895	2	01/10/2024 20:09	WG2203754	
Indeno(1,2,3-cd)pyrene	0.160		0.0895	2	01/10/2024 20:09	WG2203754	
Isophorone	ND		0.895	2	01/10/2024 20:09	WG2203754	
Naphthalene	ND		0.0895	2	01/10/2024 20:09	WG2203754	
Nitrobenzene	ND		0.895	2	01/10/2024 20:09	WG2203754	
n-Nitrosodimethylamine	ND		0.895	2	01/10/2024 20:09	WG2203754	
n-Nitrosodiphenylamine	ND		0.895	2	01/10/2024 20:09	WG2203754	
n-Nitrosodi-n-propylamine	ND		0.895	2	01/10/2024 20:09	WG2203754	
Phenanthrene	0.222		0.0895	2	01/10/2024 20:09	WG2203754	
Benzylbutyl phthalate	ND		0.895	2	01/10/2024 20:09	WG2203754	
Bis(2-ethylhexyl)phthalate	ND		0.895	2	01/10/2024 20:09	WG2203754	
Di-n-butyl phthalate	ND		0.895	2	01/10/2024 20:09	WG2203754	
Diethyl phthalate	ND		0.895	2	01/10/2024 20:09	WG2203754	
Dimethyl phthalate	ND		0.895	2	01/10/2024 20:09	WG2203754	
Di-n-octyl phthalate	ND		0.895	2	01/10/2024 20:09	WG2203754	
Pyrene	0.423		0.0895	2	01/10/2024 20:09	WG2203754	
1,2,4-Trichlorobenzene	ND		0.895	2	01/10/2024 20:09	WG2203754	
4-Chloro-3-methylphenol	ND		0.895	2	01/10/2024 20:09	WG2203754	
2-Chlorophenol	ND		0.895	2	01/10/2024 20:09	WG2203754	
2,4-Dichlorophenol	ND		0.895	2	01/10/2024 20:09	WG2203754	
2,4-Dimethylphenol	ND		0.895	2	01/10/2024 20:09	WG2203754	
4,6-Dinitro-2-methylphenol	ND		0.895	2	01/10/2024 20:09	WG2203754	
2,4-Dinitrophenol	ND		0.895	2	01/10/2024 20:09	WG2203754	
2-Nitrophenol	ND		0.895	2	01/10/2024 20:09	WG2203754	
4-Nitrophenol	ND		0.895	2	01/10/2024 20:09	WG2203754	
Pentachlorophenol	ND		0.895	2	01/10/2024 20:09	WG2203754	
Phenol	ND		0.895	2	01/10/2024 20:09	WG2203754	
2,4,6-Trichlorophenol	ND		0.895	2	01/10/2024 20:09	WG2203754	
(S) 2-Fluorophenol	71.8		12.0-120		01/10/2024 20:09	WG2203754	
(S) Phenol-d5	64.4		10.0-120		01/10/2024 20:09	WG2203754	
(S) Nitrobenzene-d5	71.7		10.0-122		01/10/2024 20:09	WG2203754	
(S) 2-Fluorobiphenyl	75.8		15.0-120		01/10/2024 20:09	WG2203754	
(S) 2,4,6-Tribromophenol	89.0		10.0-127		01/10/2024 20:09	WG2203754	
(S) p-Terphenyl-d14	81.8		10.0-120		01/10/2024 20:09	WG2203754	

Sample Narrative:

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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L1693898-10 WG2203754: Dilution due to matrix impact during extract concentration procedure.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	01/07/2024 19:18	WG2202723
Acrolein	ND	J4	50.0	1	01/07/2024 19:18	WG2202723
Acrylonitrile	ND		10.0	1	01/07/2024 19:18	WG2202723
Benzene	ND		1.00	1	01/07/2024 19:18	WG2202723
Bromobenzene	ND		1.00	1	01/07/2024 19:18	WG2202723
Bromodichloromethane	ND		1.00	1	01/07/2024 19:18	WG2202723
Bromoform	ND	C3	1.00	1	01/07/2024 19:18	WG2202723
Bromomethane	ND	C3	5.00	1	01/07/2024 19:18	WG2202723
n-Butylbenzene	ND		1.00	1	01/07/2024 19:18	WG2202723
sec-Butylbenzene	ND		1.00	1	01/07/2024 19:18	WG2202723
tert-Butylbenzene	ND		1.00	1	01/07/2024 19:18	WG2202723
Carbon tetrachloride	ND		1.00	1	01/07/2024 19:18	WG2202723
Chlorobenzene	ND		1.00	1	01/07/2024 19:18	WG2202723
Chlorodibromomethane	ND	J4	1.00	1	01/07/2024 19:18	WG2202723
Chloroethane	ND		5.00	1	01/07/2024 19:18	WG2202723
Chloroform	ND		5.00	1	01/07/2024 19:18	WG2202723
Chloromethane	ND		2.50	1	01/07/2024 19:18	WG2202723
2-Chlorotoluene	ND		1.00	1	01/07/2024 19:18	WG2202723
4-Chlorotoluene	ND		1.00	1	01/07/2024 19:18	WG2202723
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	01/07/2024 19:18	WG2202723
1,2-Dibromoethane	ND		1.00	1	01/07/2024 19:18	WG2202723
Dibromomethane	ND		1.00	1	01/07/2024 19:18	WG2202723
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 19:18	WG2202723
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 19:18	WG2202723
1,4-Dichlorobenzene	ND		1.00	1	01/07/2024 19:18	WG2202723
Dichlorodifluoromethane	ND	J3	5.00	1	01/07/2024 19:18	WG2202723
1,1-Dichloroethane	ND		1.00	1	01/07/2024 19:18	WG2202723
1,2-Dichloroethane	ND		1.00	1	01/07/2024 19:18	WG2202723
1,1-Dichloroethene	ND		1.00	1	01/07/2024 19:18	WG2202723
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 19:18	WG2202723
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 19:18	WG2202723
1,2-Dichloropropane	ND		1.00	1	01/07/2024 19:18	WG2202723
1,1-Dichloropropene	ND		1.00	1	01/07/2024 19:18	WG2202723
1,3-Dichloropropane	ND		1.00	1	01/07/2024 19:18	WG2202723
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 19:18	WG2202723
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 19:18	WG2202723
2,2-Dichloropropane	ND		1.00	1	01/07/2024 19:18	WG2202723
Di-isopropyl ether	ND		1.00	1	01/07/2024 19:18	WG2202723
Ethylbenzene	ND		1.00	1	01/07/2024 19:18	WG2202723
Hexachloro-1,3-butadiene	ND		1.00	1	01/07/2024 19:18	WG2202723
Isopropylbenzene	ND		1.00	1	01/07/2024 19:18	WG2202723
p-Isopropyltoluene	ND		1.00	1	01/07/2024 19:18	WG2202723
2-Butanone (MEK)	ND		10.0	1	01/07/2024 19:18	WG2202723
Methylene Chloride	ND		5.00	1	01/07/2024 19:18	WG2202723
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/07/2024 19:18	WG2202723
Methyl tert-butyl ether	ND		1.00	1	01/07/2024 19:18	WG2202723
Naphthalene	ND	C3	5.00	1	01/07/2024 19:18	WG2202723
n-Propylbenzene	ND		1.00	1	01/07/2024 19:18	WG2202723
Styrene	ND		1.00	1	01/07/2024 19:18	WG2202723
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 19:18	WG2202723
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 19:18	WG2202723
Tetrachloroethene	ND		1.00	1	01/07/2024 19:18	WG2202723
Toluene	ND		1.00	1	01/07/2024 19:18	WG2202723
1,2,3-Trichlorobenzene	ND	C3	1.00	1	01/07/2024 19:18	WG2202723
1,2,4-Trichlorobenzene	ND		1.00	1	01/07/2024 19:18	WG2202723
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 19:18	WG2202723

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 19:18	WG2202723
Trichloroethene	ND		1.00	1	01/07/2024 19:18	WG2202723
Trichlorofluoromethane	ND		5.00	1	01/07/2024 19:18	WG2202723
1,2,3-Trichloropropane	ND		2.50	1	01/07/2024 19:18	WG2202723
1,2,4-Trimethylbenzene	ND		1.00	1	01/07/2024 19:18	WG2202723
1,3,5-Trimethylbenzene	ND		1.00	1	01/07/2024 19:18	WG2202723
Vinyl chloride	ND		1.00	1	01/07/2024 19:18	WG2202723
Xylenes, Total	ND		3.00	1	01/07/2024 19:18	WG2202723
(S) Toluene-d8	103		80.0-120		01/07/2024 19:18	WG2202723
(S) 4-Bromofluorobenzene	98.6		77.0-126		01/07/2024 19:18	WG2202723
(S) 1,2-Dichloroethane-d4	98.5		70.0-130		01/07/2024 19:18	WG2202723

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

Method Blank (MB)

(MB) R4021532-1 01/09/24 10:07

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00300			

1 Cp

2 Tc

3 Ss

L1693838-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1693838-05 01/09/24 10:07 • (DUP) R4021532-3 01/09/24 10:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	95.8	95.8	1	0.0946		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4021532-2 01/09/24 10:07

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021485-1 01/09/24 09:29

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

1 Cp

2 Tc

3 Ss

L1693898-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1693898-04 01/09/24 09:29 • (DUP) R4021485-3 01/09/24 09:29

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Total Solids	78.3	79.0	1	0.905		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4021485-2 01/09/24 09:29

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021654-1 01/10/24 07:14

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1693898-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1693898-02 01/10/24 07:35 • (DUP) R4021654-3 01/10/24 07:41

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

L1694633-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1694633-02 01/10/24 10:59 • (DUP) R4021654-12 01/10/24 11:05

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4021654-2 01/10/24 07:22

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.8	108	80.0-120	

L1693898-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693898-08 01/10/24 08:30 • (MS) R4021654-5 01/10/24 08:43 • (MSD) R4021654-6 01/10/24 08:49

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	26.2	ND	ND	ND	1.44	1.74	1	75.0-125	J6	J6	18.5	20

L1694126-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694126-10 01/10/24 09:26 • (MS) R4021654-9 01/10/24 09:51 • (MSD) R4021654-10 01/10/24 09:57

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Hexavalent Chromium	20.0	ND	21.3	20.0	107	100	1	75.0-125			6.56	20

L1693898-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1693898-08 01/10/24 08:30 • (MS) R4021654-7 01/10/24 08:55

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Hexavalent Chromium	856	ND	652	76.2	50	75.0-125	

L1694126-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1694126-10 01/10/24 09:26 • (MS) R4021654-11 01/10/24 10:03

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Hexavalent Chromium	636	ND	669	105	50	75.0-125	

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

Method Blank (MB)

(MB) R4021671-1 01/10/24 10:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4021671-2 01/10/24 10:03

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.513	103	80.0-120	

4 Cn

5 Sr

L1693898-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693898-01 01/10/24 10:06 • (MS) R4021671-3 01/10/24 10:08 • (MSD) R4021671-5 01/10/24 11:43

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.611	ND	0.631	0.797	97.6	125	1	75.0-125		J3	23.3	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4026709-1 01/26/24 13:56

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	0.337	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	U		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

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R4026709-2 01/26/24 14:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	97.6	97.6	80.0-120	
Arsenic	100	93.8	93.8	80.0-120	
Barium	100	86.2	86.2	80.0-120	
Beryllium	100	91.6	91.6	80.0-120	
Cadmium	100	94.0	94.0	80.0-120	
Chromium	100	91.8	91.8	80.0-120	
Cobalt	100	94.6	94.6	80.0-120	
Copper	100	91.4	91.4	80.0-120	
Lead	100	90.7	90.7	80.0-120	
Manganese	100	92.4	92.4	80.0-120	
Nickel	100	96.3	96.3	80.0-120	
Selenium	100	91.6	91.6	80.0-120	
Silver	20.0	18.0	89.9	80.0-120	
Thallium	100	90.7	90.7	80.0-120	
Vanadium	100	91.5	91.5	80.0-120	
Zinc	100	90.4	90.4	80.0-120	

L1693898-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693898-01 01/26/24 14:03 • (MS) R4026709-5 01/26/24 14:13 • (MSD) R4026709-6 01/26/24 14:16

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	122	ND	23.5	39.6	19.2	32.4	5	75.0-125	J6	J3 J6	51.2	20
Arsenic	122	1.46	101	118	81.7	95.2	5	75.0-125			15.1	20
Barium	122	61.1	164	174	84.4	92.7	5	75.0-125	E	E	5.97	20
Beryllium	122	ND	102	124	83.4	101	5	75.0-125			18.8	20
Cadmium	122	ND	108	129	88.7	106	5	75.0-125			17.5	20
Chromium	122	19.5	123	138	85.1	97.0	5	75.0-125			11.1	20
Cobalt	122	7.66	114	130	86.7	100	5	75.0-125			13.6	20
Copper	122	12.1	114	132	83.1	97.8	5	75.0-125			14.7	20
Lead	122	22.5	124	145	82.7	100	5	75.0-125			16.0	20
Manganese	122	203	280	291	63.1	72.0	5	75.0-125	J6	J6	3.81	20
Nickel	122	12.7	121	136	88.5	101	5	75.0-125			11.6	20
Selenium	122	ND	101	117	82.5	95.3	5	75.0-125			14.4	20
Silver	24.4	ND	21.0	24.8	85.9	101	5	75.0-125			16.5	20
Thallium	122	ND	100	122	81.8	99.9	5	75.0-125			19.8	20
Vanadium	122	39.3	140	152	82.2	92.4	5	75.0-125			8.55	20
Zinc	122	37.9	145	153	87.4	94.0	5	75.0-125			5.45	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4022075-3 01/07/24 14:38

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022075-3 01/07/24 14:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	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	105			80.0-120
(S) 4-Bromofluorobenzene	100			77.0-126
(S) 1,2-Dichloroethane-d4	97.2			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022075-1 01/07/24 13:38 • (LCSD) R4022075-2 01/07/24 13:58

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Acetone	25.0	24.2	23.3	96.8	93.2	19.0-160			3.79	27
Acrolein	25.0	64.8	53.6	259	214	10.0-160	<u>J4</u>	<u>J4</u>	18.9	26
Acrylonitrile	25.0	25.5	23.0	102	92.0	55.0-149			10.3	20
Benzene	5.00	5.37	4.84	107	96.8	70.0-123			10.4	20
Bromobenzene	5.00	5.11	4.85	102	97.0	73.0-121			5.22	20
Bromodichloromethane	5.00	4.83	4.46	96.6	89.2	75.0-120			7.97	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022075-1 01/07/24 13:38 • (LCSD) R4022075-2 01/07/24 13:58

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	3.65	3.40	73.0	68.0	68.0-132			7.09	20
Bromomethane	5.00	3.50	3.42	70.0	68.4	10.0-160			2.31	25
n-Butylbenzene	5.00	4.17	3.98	83.4	79.6	73.0-125			4.66	20
sec-Butylbenzene	5.00	4.62	4.50	92.4	90.0	75.0-125			2.63	20
tert-Butylbenzene	5.00	4.59	4.39	91.8	87.8	76.0-124			4.45	20
Carbon tetrachloride	5.00	4.35	4.26	87.0	85.2	68.0-126			2.09	20
Chlorobenzene	5.00	4.62	4.16	92.4	83.2	80.0-121			10.5	20
Chlorodibromomethane	5.00	4.00	3.77	80.0	75.4	77.0-125		J4	5.92	20
Chloroethane	5.00	6.00	5.37	120	107	47.0-150			11.1	20
Chloroform	5.00	5.21	4.72	104	94.4	73.0-120			9.87	20
Chloromethane	5.00	5.28	4.41	106	88.2	41.0-142			18.0	20
2-Chlorotoluene	5.00	5.00	4.59	100	91.8	76.0-123			8.55	20
4-Chlorotoluene	5.00	4.82	4.49	96.4	89.8	75.0-122			7.09	20
1,2-Dibromo-3-Chloropropane	5.00	3.57	3.44	71.4	68.8	58.0-134			3.71	20
1,2-Dibromoethane	5.00	4.64	4.16	92.8	83.2	80.0-122			10.9	20
Dibromomethane	5.00	5.00	4.58	100	91.6	80.0-120			8.77	20
1,2-Dichlorobenzene	5.00	4.50	4.22	90.0	84.4	79.0-121			6.42	20
1,3-Dichlorobenzene	5.00	4.43	4.19	88.6	83.8	79.0-120			5.57	20
1,4-Dichlorobenzene	5.00	4.41	4.15	88.2	83.0	79.0-120			6.07	20
Dichlorodifluoromethane	5.00	5.70	4.39	114	87.8	51.0-149		J3	26.0	20
1,1-Dichloroethane	5.00	5.25	4.83	105	96.6	70.0-126			8.33	20
1,2-Dichloroethane	5.00	5.35	4.89	107	97.8	70.0-128			8.98	20
1,1-Dichloroethene	5.00	5.09	4.67	102	93.4	71.0-124			8.61	20
cis-1,2-Dichloroethene	5.00	5.08	4.62	102	92.4	73.0-120			9.48	20
trans-1,2-Dichloroethene	5.00	5.19	4.61	104	92.2	73.0-120			11.8	20
1,2-Dichloropropane	5.00	5.16	4.66	103	93.2	77.0-125			10.2	20
1,1-Dichloropropene	5.00	5.21	4.93	104	98.6	74.0-126			5.52	20
1,3-Dichloropropane	5.00	4.98	4.53	99.6	90.6	80.0-120			9.46	20
cis-1,3-Dichloropropene	5.00	5.18	4.63	104	92.6	80.0-123			11.2	20
trans-1,3-Dichloropropene	5.00	4.78	4.24	95.6	84.8	78.0-124			12.0	20
2,2-Dichloropropane	5.00	4.89	4.42	97.8	88.4	58.0-130			10.1	20
Di-isopropyl ether	5.00	5.02	4.51	100	90.2	58.0-138			10.7	20
Ethylbenzene	5.00	4.60	4.33	92.0	86.6	79.0-123			6.05	20
Hexachloro-1,3-butadiene	5.00	4.22	3.86	84.4	77.2	54.0-138			8.91	20
Isopropylbenzene	5.00	4.43	4.19	88.6	83.8	76.0-127			5.57	20
p-Isopropyltoluene	5.00	4.59	4.40	91.8	88.0	76.0-125			4.23	20
2-Butanone (MEK)	25.0	23.4	21.4	93.6	85.6	44.0-160			8.93	20
Methylene Chloride	5.00	5.22	4.76	104	95.2	67.0-120			9.22	20
4-Methyl-2-pentanone (MIBK)	25.0	25.1	22.7	100	90.8	68.0-142			10.0	20
Methyl tert-butyl ether	5.00	5.26	4.70	105	94.0	68.0-125			11.2	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022075-1 01/07/24 13:38 • (LCSD) R4022075-2 01/07/24 13:58

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	3.41	3.76	68.2	75.2	54.0-135			9.76	20
n-Propylbenzene	5.00	4.93	4.65	98.6	93.0	77.0-124			5.85	20
Styrene	5.00	4.48	4.13	89.6	82.6	73.0-130			8.13	20
1,1,1,2-Tetrachloroethane	5.00	4.09	3.86	81.8	77.2	75.0-125			5.79	20
1,1,2,2-Tetrachloroethane	5.00	5.15	4.77	103	95.4	65.0-130			7.66	20
Tetrachloroethene	5.00	4.36	4.02	87.2	80.4	72.0-132			8.11	20
Toluene	5.00	4.75	4.35	95.0	87.0	79.0-120			8.79	20
1,2,3-Trichlorobenzene	5.00	3.96	4.11	79.2	82.2	50.0-138			3.72	20
1,2,4-Trichlorobenzene	5.00	4.26	4.01	85.2	80.2	57.0-137			6.05	20
1,1,1-Trichloroethane	5.00	4.72	4.43	94.4	88.6	73.0-124			6.34	20
1,1,2-Trichloroethane	5.00	4.87	4.47	97.4	89.4	80.0-120			8.57	20
Trichloroethene	5.00	4.83	4.32	96.6	86.4	78.0-124			11.1	20
Trichlorofluoromethane	5.00	4.48	4.45	89.6	89.0	59.0-147			0.672	20
1,2,3-Trichloropropane	5.00	5.03	4.58	101	91.6	73.0-130			9.37	20
1,2,4-Trimethylbenzene	5.00	4.76	4.36	95.2	87.2	76.0-121			8.77	20
1,3,5-Trimethylbenzene	5.00	4.69	4.39	93.8	87.8	76.0-122			6.61	20
Vinyl chloride	5.00	5.96	5.13	119	103	67.0-131			15.0	20
Xylenes, Total	15.0	13.7	12.5	91.3	83.3	79.0-123			9.16	20
(S) Toluene-d8				101	101	80.0-120				
(S) 4-Bromofluorobenzene				99.2	99.2	77.0-126				
(S) 1,2-Dichloroethane-d4				97.9	97.6	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022115-3 01/10/24 19:38

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	0.00190	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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022115-3 01/10/24 19:38

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	0.000900	↓	0.000880	0.00650
(S) Toluene-d8	100			75.0-131
(S) 4-Bromofluorobenzene	107			67.0-138
(S) 1,2-Dichloroethane-d4	86.8			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022115-1 01/10/24 18:03 • (LCSD) R4022115-2 01/10/24 18:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.477	0.510	76.3	81.6	10.0-160			6.69	31
Acrylonitrile	0.625	0.646	0.701	103	112	45.0-153			8.17	22
Benzene	0.125	0.114	0.128	91.2	102	70.0-123			11.6	20
Bromobenzene	0.125	0.111	0.126	88.8	101	73.0-121			12.7	20
Bromodichloromethane	0.125	0.124	0.134	99.2	107	73.0-121			7.75	20
Bromoform	0.125	0.130	0.145	104	116	64.0-132			10.9	20
Bromomethane	0.125	0.0789	0.0926	63.1	74.1	56.0-147			16.0	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022115-1 01/10/24 18:03 • (LCSD) R4022115-2 01/10/24 18:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.124	0.146	99.2	117	68.0-135			16.3	20
sec-Butylbenzene	0.125	0.111	0.136	88.8	109	74.0-130		J3	20.2	20
tert-Butylbenzene	0.125	0.115	0.137	92.0	110	75.0-127			17.5	20
Carbon tetrachloride	0.125	0.110	0.133	88.0	106	66.0-128			18.9	20
Chlorobenzene	0.125	0.118	0.135	94.4	108	76.0-128			13.4	20
Chlorodibromomethane	0.125	0.125	0.139	100	111	74.0-127			10.6	20
Chloroethane	0.125	0.0849	0.0997	67.9	79.8	61.0-134			16.0	20
Chloroform	0.125	0.113	0.127	90.4	102	72.0-123			11.7	20
Chloromethane	0.125	0.0926	0.112	74.1	89.6	51.0-138			19.0	20
2-Chlorotoluene	0.125	0.113	0.128	90.4	102	75.0-124			12.4	20
4-Chlorotoluene	0.125	0.110	0.125	88.0	100	75.0-124			12.8	20
1,2-Dibromo-3-Chloropropane	0.125	0.0957	0.112	76.6	89.6	59.0-130			15.7	20
1,2-Dibromoethane	0.125	0.124	0.138	99.2	110	74.0-128			10.7	20
Dibromomethane	0.125	0.117	0.132	93.6	106	75.0-122			12.0	20
1,2-Dichlorobenzene	0.125	0.117	0.129	93.6	103	76.0-124			9.76	20
1,3-Dichlorobenzene	0.125	0.110	0.126	88.0	101	76.0-125			13.6	20
1,4-Dichlorobenzene	0.125	0.109	0.123	87.2	98.4	77.0-121			12.1	20
Dichlorodifluoromethane	0.125	0.0876	0.105	70.1	84.0	43.0-156			18.1	20
1,1-Dichloroethane	0.125	0.121	0.134	96.8	107	70.0-127			10.2	20
1,2-Dichloroethane	0.125	0.103	0.114	82.4	91.2	65.0-131			10.1	20
1,1-Dichloroethene	0.125	0.104	0.128	83.2	102	65.0-131		J3	20.7	20
cis-1,2-Dichloroethene	0.125	0.121	0.135	96.8	108	73.0-125			10.9	20
trans-1,2-Dichloroethene	0.125	0.117	0.137	93.6	110	71.0-125			15.7	20
1,2-Dichloropropane	0.125	0.131	0.143	105	114	74.0-125			8.76	20
1,1-Dichloropropene	0.125	0.108	0.133	86.4	106	73.0-125		J3	20.7	20
1,3-Dichloropropane	0.125	0.121	0.132	96.8	106	80.0-125			8.70	20
cis-1,3-Dichloropropene	0.125	0.139	0.149	111	119	76.0-127			6.94	20
trans-1,3-Dichloropropene	0.125	0.121	0.138	96.8	110	73.0-127			13.1	20
2,2-Dichloropropane	0.125	0.123	0.142	98.4	114	59.0-135			14.3	20
Di-isopropyl ether	0.125	0.125	0.136	100	109	60.0-136			8.43	20
Ethylbenzene	0.125	0.116	0.131	92.8	105	74.0-126			12.1	20
Hexachloro-1,3-butadiene	0.125	0.118	0.144	94.4	115	57.0-150			19.8	20
Isopropylbenzene	0.125	0.118	0.142	94.4	114	72.0-127			18.5	20
p-Isopropyltoluene	0.125	0.119	0.141	95.2	113	72.0-133			16.9	20
2-Butanone (MEK)	0.625	0.672	0.625	108	100	30.0-160			7.25	24
Methylene Chloride	0.125	0.116	0.130	92.8	104	68.0-123			11.4	20
4-Methyl-2-pentanone (MIBK)	0.625	0.614	0.668	98.2	107	56.0-143			8.42	20
Methyl tert-butyl ether	0.125	0.119	0.133	95.2	106	66.0-132			11.1	20
Naphthalene	0.125	0.112	0.134	89.6	107	59.0-130			17.9	20
n-Propylbenzene	0.125	0.108	0.127	86.4	102	74.0-126			16.2	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022115-1 01/10/24 18:03 • (LCSD) R4022115-2 01/10/24 18:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Styrene	0.125	0.120	0.135	96.0	108	72.0-127			11.8	20
1,1,1,2-Tetrachloroethane	0.125	0.114	0.130	91.2	104	74.0-129			13.1	20
1,1,2,2-Tetrachloroethane	0.125	0.110	0.124	88.0	99.2	68.0-128			12.0	20
Tetrachloroethene	0.125	0.109	0.136	87.2	109	70.0-136		J3	22.0	20
Toluene	0.125	0.109	0.128	87.2	102	75.0-121			16.0	20
1,2,3-Trichlorobenzene	0.125	0.107	0.120	85.6	96.0	59.0-139			11.5	20
1,2,4-Trichlorobenzene	0.125	0.108	0.123	86.4	98.4	62.0-137			13.0	20
1,1,1-Trichloroethane	0.125	0.111	0.130	88.8	104	69.0-126			15.8	20
1,1,2-Trichloroethane	0.125	0.121	0.133	96.8	106	78.0-123			9.45	20
Trichloroethene	0.125	0.116	0.137	92.8	110	76.0-126			16.6	20
Trichlorofluoromethane	0.125	0.0954	0.114	76.3	91.2	61.0-142			17.8	20
1,2,3-Trichloropropane	0.125	0.107	0.121	85.6	96.8	67.0-129			12.3	20
1,2,4-Trimethylbenzene	0.125	0.111	0.131	88.8	105	70.0-126			16.5	20
1,3,5-Trimethylbenzene	0.125	0.112	0.132	89.6	106	73.0-127			16.4	20
Vinyl chloride	0.125	0.0941	0.118	75.3	94.4	63.0-134		J3	22.5	20
Xylenes, Total	0.375	0.353	0.398	94.1	106	72.0-127			12.0	20
(S) Toluene-d8				97.8	98.4	75.0-131				
(S) 4-Bromofluorobenzene				108	107	67.0-138				
(S) 1,2-Dichloroethane-d4				92.8	91.3	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021971-2 01/10/24 15:18

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021971-2 01/10/24 15:18

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	66.7			12.0-120
(S) Phenol-d5	60.5			10.0-120
(S) Nitrobenzene-d5	64.6			10.0-122
(S) 2-Fluorobiphenyl	70.3			15.0-120
(S) 2,4,6-Tribromophenol	70.7			10.0-127
(S) p-Terphenyl-d14	77.8			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4021971-1 01/10/24 14:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.509	76.4	38.0-120	
Acenaphthylene	0.666	0.536	80.5	40.0-120	
Anthracene	0.666	0.557	83.6	42.0-120	
Benzidine	1.33	0.256	19.2	10.0-120	
Benzo(a)anthracene	0.666	0.599	89.9	44.0-120	
Benzo(b)fluoranthene	0.666	0.577	86.6	43.0-120	
Benzo(k)fluoranthene	0.666	0.543	81.5	44.0-120	
Benzo(g,h,i)perylene	0.666	0.587	88.1	43.0-120	
Benzo(a)pyrene	0.666	0.579	86.9	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.411	61.7	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.550	82.6	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.471	70.7	23.0-120	
4-Bromophenyl-phenylether	0.666	0.576	86.5	40.0-120	
2-Chloronaphthalene	0.666	0.517	77.6	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4021971-1 01/10/24 14:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.562	84.4	40.0-120	
Chrysene	0.666	0.568	85.3	43.0-120	
Dibenz(a,h)anthracene	0.666	0.599	89.9	44.0-120	
3,3-Dichlorobenzidine	1.33	0.958	72.0	28.0-120	
2,4-Dinitrotoluene	0.666	0.636	95.5	45.0-120	
2,6-Dinitrotoluene	0.666	0.569	85.4	42.0-120	
Fluoranthene	0.666	0.585	87.8	44.0-120	
Fluorene	0.666	0.543	81.5	41.0-120	
Hexachlorobenzene	0.666	0.551	82.7	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.466	70.0	15.0-120	
Hexachlorocyclopentadiene	0.666	0.525	78.8	15.0-120	
Hexachloroethane	0.666	0.448	67.3	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.563	84.5	45.0-120	
Isophorone	0.666	0.400	60.1	23.0-120	
Naphthalene	0.666	0.407	61.1	18.0-120	
Nitrobenzene	0.666	0.401	60.2	17.0-120	
n-Nitrosodimethylamine	0.666	0.367	55.1	10.0-125	
n-Nitrosodiphenylamine	0.666	0.551	82.7	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.498	74.8	26.0-120	
Phenanthrene	0.666	0.531	79.7	42.0-120	
Benzylbutyl phthalate	0.666	0.598	89.8	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.590	88.6	41.0-120	
Di-n-butyl phthalate	0.666	0.582	87.4	43.0-120	
Diethyl phthalate	0.666	0.564	84.7	43.0-120	
Dimethyl phthalate	0.666	0.568	85.3	43.0-120	
Di-n-octyl phthalate	0.666	0.613	92.0	40.0-120	
Pyrene	0.666	0.576	86.5	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.459	68.9	17.0-120	
4-Chloro-3-methylphenol	0.666	0.476	71.5	28.0-120	
2-Chlorophenol	0.666	0.497	74.6	28.0-120	
2,4-Dichlorophenol	0.666	0.481	72.2	25.0-120	
2,4-Dimethylphenol	0.666	0.546	82.0	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.499	74.9	16.0-120	
2,4-Dinitrophenol	0.666	0.365	54.8	10.0-120	
2-Nitrophenol	0.666	0.484	72.7	20.0-120	
4-Nitrophenol	0.666	0.519	77.9	27.0-120	
Pentachlorophenol	0.666	0.491	73.7	29.0-120	
Phenol	0.666	0.464	69.7	28.0-120	
2,4,6-Trichlorophenol	0.666	0.575	86.3	37.0-120	
(S) 2-Fluorophenol			79.1	12.0-120	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4021971-1 01/10/24 14:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			72.2	10.0-120	
(S) Nitrobenzene-d5			61.9	10.0-122	
(S) 2-Fluorobiphenyl			82.6	15.0-120	
(S) 2,4,6-Tribromophenol			90.7	10.0-127	
(S) p-Terphenyl-d14			88.6	10.0-120	

L1692332-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692332-04 01/10/24 22:58 • (MS) R4021971-3 01/10/24 23:22 • (MSD) R4021971-4 01/10/24 23:46

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 %
Acenaphthene	1.25	ND	0.432	0.443	34.6	34.3	9.35	18.0-120			2.51	32
Acenaphthylene	1.25	ND	0.438	0.447	35.0	34.7	9.35	25.0-120			2.03	32
Anthracene	1.25	ND	0.535	0.538	29.5	28.8	9.35	22.0-120			0.559	29
Benzidine	2.50	ND	ND	ND	42.8	39.9	9.35	10.0-120			3.81	40
Benzo(a)anthracene	1.25	ND	0.524	0.528	41.9	40.9	9.35	25.0-120			0.760	29
Benzo(b)fluoranthene	1.25	ND	0.554	0.600	19.2	22.2	9.35	19.0-122			7.97	31
Benzo(k)fluoranthene	1.25	ND	0.416	0.429	33.3	33.3	9.35	23.0-120			3.08	30
Benzo(g,h,i)perylene	1.25	ND	0.411	0.428	32.9	33.2	9.35	10.0-120			4.05	33
Benzo(a)pyrene	1.25	ND	0.463	0.474	37.0	36.7	9.35	24.0-120			2.35	30
Bis(2-chlorethoxy)methane	1.25	ND	ND	ND	32.0	30.9	9.35	10.0-120			0.501	34
Bis(2-chloroethyl)ether	1.25	ND	ND	ND	31.2	29.5	9.35	10.0-120			2.60	40
2,2-Oxybis(1-Chloropropane)	1.25	ND	ND	ND	33.8	28.2	9.35	10.0-120			14.8	40
4-Bromophenyl-phenylether	1.25	ND	ND	ND	38.6	39.1	9.35	27.0-120			4.46	30
2-Chloronaphthalene	1.25	ND	0.414	0.407	19.2	18.1	9.35	20.0-120	J6	J6	1.71	32
4-Chlorophenyl-phenylether	1.25	ND	ND	ND	38.0	36.2	9.35	24.0-120			1.70	29
Chrysene	1.25	ND	0.497	0.505	39.8	39.1	9.35	21.0-120			1.60	29
Dibenz(a,h)anthracene	1.25	1.92	0.891	1.16	0.000	0.000	9.35	10.0-120	J6	J6	26.2	32
3,3-Dichlorobenzidine	2.50	ND	ND	ND	39.1	37.5	9.35	10.0-120			1.13	34
2,4-Dinitrotoluene	1.25	ND	ND	ND	29.2	29.2	9.35	30.0-120	J6	J6	3.23	31
2,6-Dinitrotoluene	1.25	ND	ND	ND	36.7	36.4	9.35	25.0-120			2.16	31
Fluoranthene	1.25	ND	0.547	0.567	29.1	29.8	9.35	18.0-126			3.59	32
Fluorene	1.25	ND	0.528	0.505	33.8	30.9	9.35	25.0-120			4.45	30
Hexachlorobenzene	1.25	ND	ND	ND	37.4	36.5	9.35	27.0-120			0.639	28
Hexachloro-1,3-butadiene	1.25	ND	ND	ND	38.2	35.2	9.35	10.0-120			5.15	38
Hexachlorocyclopentadiene	1.25	ND	ND	ND	0.000	0.000	9.35	10.0-120	J6	J6	0.000	40
Hexachloroethane	1.25	ND	ND	ND	29.0	33.3	9.35	10.0-120			16.9	40
Indeno(1,2,3-cd)pyrene	1.25	ND	0.421	0.434	33.7	33.6	9.35	10.0-120			3.04	32
Isophorone	1.25	ND	ND	ND	30.8	30.0	9.35	13.0-120			0.518	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1692332-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692332-04 01/10/24 22:58 • (MS) R4021971-3 01/10/24 23:22 • (MSD) R4021971-4 01/10/24 23:46

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 %
Naphthalene	1.25	ND	0.439	0.423	35.1	32.8	9.35	10.0-120			3.71	35
Nitrobenzene	1.25	ND	ND	ND	31.3	30.5	9.35	10.0-120			0.510	36
n-Nitrosodimethylamine	1.25	ND	ND	ND	0.000	0.000	9.35	10.0-127	J6	J6	0.000	40
n-Nitrosodiphenylamine	1.25	ND	ND	ND	42.6	44.5	9.35	17.0-120			7.41	29
n-Nitrosodi-n-propylamine	1.25	ND	ND	ND	32.5	29.6	9.35	10.0-120			6.09	37
Phenanthrene	1.25	1.70	1.88	1.16	14.4	0.000	9.35	17.0-120	J6	J3 J6	47.4	31
Benzylbutyl phthalate	1.25	ND	ND	ND	43.4	41.9	9.35	23.0-120			0.369	30
Bis(2-ethylhexyl)phthalate	1.25	ND	ND	ND	0.000	0.000	9.35	17.0-126	J6	J3 J6	34.8	30
Di-n-butyl phthalate	1.25	ND	ND	ND	39.0	38.4	9.35	30.0-120			1.63	29
Diethyl phthalate	1.25	ND	ND	ND	37.4	36.4	9.35	26.0-120			0.213	28
Dimethyl phthalate	1.25	ND	ND	ND	0.000	0.000	9.35	25.0-120	J6	J6	0.000	29
Di-n-octyl phthalate	1.25	ND	ND	ND	42.7	43.4	9.35	21.0-123			4.75	29
Pyrene	1.25	ND	0.562	0.637	19.8	25.0	9.35	16.0-121			12.5	32
1,2,4-Trichlorobenzene	1.25	ND	ND	ND	36.3	34.4	9.35	12.0-120			2.23	37
4-Chloro-3-methylphenol	1.25	ND	ND	ND	37.5	37.0	9.35	15.0-120			1.69	30
2-Chlorophenol	1.25	ND	ND	ND	32.3	31.5	9.35	15.0-120			0.494	37
2,4-Dichlorophenol	1.25	ND	ND	ND	39.1	37.0	9.35	20.0-120			2.48	31
2,4-Dimethylphenol	1.25	ND	ND	ND	43.8	39.8	9.35	10.0-120			6.40	33
4,6-Dinitro-2-methylphenol	1.25	ND	ND	ND	90.4	90.7	9.35	10.0-120			3.48	39
2,4-Dinitrophenol	1.25	ND	ND	ND	0.000	131	9.35	10.0-121	J6	J3 J5	200	40
2-Nitrophenol	1.25	ND	ND	ND	36.9	36.9	9.35	12.0-120			3.20	39
4-Nitrophenol	1.25	ND	ND	ND	35.3	32.5	9.35	10.0-137			5.12	32
Pentachlorophenol	1.25	ND	ND	ND	34.6	35.2	9.35	10.0-160			4.97	31
Phenol	1.25	ND	ND	ND	30.6	30.0	9.35	12.0-120			1.04	38
2,4,6-Trichlorophenol	1.25	ND	ND	ND	36.2	35.8	9.35	19.0-120			1.97	32
(S) 2-Fluorophenol					32.6	33.5		12.0-120				
(S) Phenol-d5					29.4	30.1		10.0-120				
(S) Nitrobenzene-d5					32.9	30.7		10.0-122				
(S) 2-Fluorobiphenyl					34.1	34.9		15.0-120				
(S) 2,4,6-Tribromophenol					38.2	37.3		10.0-127				
(S) p-Terphenyl-d14					39.4	38.0		10.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

OS: Dilution due to matrix.

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.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Qualifier	Description
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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	LA000356
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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.com)
 Email To: jpaul@smeinc.com

Report to:
Mr. Jerry Paul

Project Description: **Northgate Park** City/State Collected: **Durham, NC** Please Circle: PT MT CT **(ET)**

Phone: **919-872-2660** Client Project # **23050630** Lab Project # **SMERLNC-NORTHGATE**

Collected by (print): **Chelsea Parra** Site/Facility ID # P.O. #

Collected by (signature): **CP** **Rush?** (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day
 Immediately Packed on Ice **N** **Y**
 Date Results Needed No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs
825-SB-109	C	SS	0-1	1/5/24	1030	4
825-SB-110		SS			1035	4
825-SB-111		SS			1040	4
825-SB-112		SS			1105	4
825-SB-113		SS			1110	4
825-SB-114		SS			0945	4
825-SB-115		SS			0950	4
825-SB-116		SS			1115	4
825-SB-117		SS			1120	4
825-SB-118		SS			1125	4

Analysis / Container / Preservative									
Pres Chk	Metals 20zClr-NoPres	SPLP/TCLP GOLD 40zClr-NoPres	SV8270,TS 40zClr-NoPres	V8260 40mlAmb-HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr	SV005 8270	18 Metals 6020	Mercury 7471	Hex Chrom. 7199
	X	X	X		X	X	X	X	X
	X	X	X		X	X	X	X	X
	X	X	X		X	X	X	X	X
	X	X	X		X	X	X	X	X
	X	X	X		X	X	X	X	X
	X	X	X		X	X	X	X	X
	X	X	X		X	X	X	X	X
	X	X	X		X	X	X	X	X
	X	X	X		X	X	X	X	X
	X	X	X		X	X	X	X	X

Chain of Custody Page 1 of 2

Pace
 PEOPLE ADVANCING SCIENCE

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 # **1693898**
D057

Acctnum: **SMERLNC**
 Template: **T22015**
 Prelogin: **P1044755**
 PM: **034 - Craig Cothron**
 PB:

Shipped Via: **FedEX Ground**

Remarks	Sample # (lab only)
	101
	102
	103
	104
	105
	106
	107
	108
	109
	110

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: **SPLP / TCLP on hold**

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via: _____ Tracking # **7155 0298 3320**

Sample Receipt Checklist

COC Seal Present/Intact: Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 If Applicable
 Vial Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 Residual Green <0.5 mR/hr: Y N

Relinquished by: (Signature) CP	Date: 1/5/24	Time: 1300	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 094°C Bottles Received: 40
Relinquished by: (Signature)	Date:	Time:	Received by lab by: (Signature) alexia mitchell	Date: 1/6/24 Time: 0900

Preservation required by Login: Date/Time

Condition: **NCF 10K**

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.com)
 Email To: jpaul@smeinc.com

Report to:
Mr. Jerry Paul

Project Description:
Northgate Park

City/State Collected: **Durham, NC**

Please Circle:
 PT MT CT **ET**

Chain of Custody Page **2** of **2**

Pace
 PEOPLE ADVANCING SCIENCE

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/hubs/pas-standard-terms.pdf>

Phone: **919-872-2660**

Client Project # **23050630**

Lab Project # **SMERLNC-NORTHGATE**

Collected by (print): **Chelsea Parra**

Site/Facility ID #

P.O. #

Collected by (signature): **CP**

Rush? (Lab MUST Be Notified)
 ___ Same Day ___ Five Day
 ___ Next Day ___ 5 Day (Rad Only)
 ___ Two Day ___ 10 Day (Rad Only)
 ___ Three Day

Date Results Needed

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	Metals 20zClr-NoPres	SPLP/TCLP GOLD 4ozClr-NoPres	SV8270, TS 4ozClr-NoPres	V8260 40mlAmb-HCl-Bik	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
Trip Blank		GWSS				4	X	X	X	X	X		-11
		SS				4	X	X	X		X		
		SS				4	X	X	X		X		
		SS				4	X	X	X		X		
		SS				4	X	X	X		X		
		SS				4	X	X	X		X		
		SS				4	X	X	X		X		
		SS				4	X	X	X		X		
		SS				4	X	X	X		X		
		SS				4	X	X	X		X		

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:

Samples returned via:
 ___ UPS ___ FedEx ___ Courier

Tracking # **7155 0298 3320**

pH _____ Temp _____
 Flow _____ Other _____

Sample Receipt Checklist
 CO Seal Present/Intact: Y N
 CO Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
If Applicable
 Vial Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 RMB Screen <0.5 mR/hr: Y N

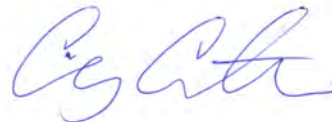
Relinquished by: (Signature) CP	Date: 1/5/24	Time: 1300	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C 1170=161 Bottles Received: 40 If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Alexa Mitchell	Date: 1/16/24 Time: 0900 Hold: Condition: NCF 10K

S&ME Inc. - Raleigh NC

Sample Delivery Group: L1694715
Samples Received: 01/09/2024
Project Number: 23050630
Description: Northgate Park

Report To: Mr. Jerry Paul
3201 Spring Forest Road
Raleigh, NC 27616

Entire Report Reviewed By:



Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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

SAMPLE SUMMARY

82S-SB-01 L1694715-01 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 14:35
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204685	1	01/10/24 16:30	01/10/24 16:40	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204091	1	01/10/24 23:31	01/11/24 09:36	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204809	1	01/10/24 18:07	01/11/24 11:27	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204931	5	01/11/24 03:31	01/28/24 19:58	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205771	1	01/08/24 14:35	01/12/24 03:19	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2204993	1	01/11/24 13:51	01/13/24 00:14	ALM	Mt. Juliet, TN



82S-SB-02 L1694715-02 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 14:25
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204685	1	01/10/24 16:30	01/10/24 16:40	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204091	1	01/10/24 23:31	01/11/24 09:42	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204809	1	01/10/24 18:07	01/11/24 11:36	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204931	5	01/11/24 03:31	01/28/24 20:01	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205771	1.01	01/08/24 14:25	01/12/24 03:38	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2204993	1	01/11/24 13:51	01/13/24 00:39	ALM	Mt. Juliet, TN

82S-SB-03 L1694715-03 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 14:30
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204685	1	01/10/24 16:30	01/10/24 16:40	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204091	1	01/10/24 23:31	01/11/24 09:48	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204809	1	01/10/24 18:07	01/11/24 11:39	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204931	5	01/11/24 03:31	01/28/24 20:05	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205771	1.04	01/08/24 14:30	01/12/24 03:57	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2204993	2	01/11/24 13:51	01/20/24 00:13	AMS	Mt. Juliet, TN

82S-SB-04 L1694715-04 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 14:45
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204685	1	01/10/24 16:30	01/10/24 16:40	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204091	1	01/10/24 23:31	01/11/24 10:13	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204809	1	01/10/24 18:07	01/11/24 11:41	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204931	5	01/11/24 03:31	01/28/24 20:30	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205771	1	01/08/24 14:45	01/12/24 04:16	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2204993	1	01/11/24 13:51	01/12/24 23:24	ALM	Mt. Juliet, TN

82S-SB-05 L1694715-05 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 14:50
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204685	1	01/10/24 16:30	01/10/24 16:40	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204091	1	01/10/24 23:31	01/11/24 10:19	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204809	1	01/10/24 18:07	01/11/24 11:44	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204931	5	01/11/24 03:31	01/28/24 20:34	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205771	1	01/08/24 14:50	01/12/24 04:35	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2204993	1	01/11/24 13:51	01/19/24 00:25	ALM	Mt. Juliet, TN

SAMPLE SUMMARY

82S-SB-06 L1694715-06 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 15:00
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204685	1	01/10/24 16:30	01/10/24 16:40	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204091	1	01/10/24 23:31	01/11/24 10:32	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204809	1	01/10/24 18:07	01/11/24 11:46	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204931	5	01/11/24 03:31	01/28/24 20:37	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1	01/08/24 15:00	01/11/24 20:59	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2204993	1	01/11/24 13:51	01/13/24 01:28	ALM	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

82S-SB-07 L1694715-07 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 15:05
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204685	1	01/10/24 16:30	01/10/24 16:40	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204091	1	01/10/24 23:31	01/11/24 10:38	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204736	1	01/10/24 18:03	01/11/24 10:27	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204931	5	01/11/24 03:31	01/28/24 20:40	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1.05	01/08/24 15:05	01/11/24 21:18	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2204993	1	01/11/24 13:51	01/12/24 22:35	ALM	Mt. Juliet, TN

82S-SB-55 L1694715-08 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 12:25
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204686	1	01/10/24 16:18	01/10/24 16:28	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204091	1	01/10/24 23:31	01/11/24 10:44	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204736	1	01/10/24 18:03	01/11/24 10:35	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204931	5	01/11/24 03:31	01/28/24 20:43	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1	01/08/24 12:25	01/11/24 21:37	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2204993	1	01/11/24 13:51	01/13/24 01:53	ALM	Mt. Juliet, TN

82S-SB-56 L1694715-09 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 11:35
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204686	1	01/10/24 16:18	01/10/24 16:28	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204091	1	01/10/24 23:31	01/11/24 10:50	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204736	1	01/10/24 18:03	01/11/24 10:37	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204931	5	01/11/24 03:31	01/28/24 20:47	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1	01/08/24 11:35	01/11/24 21:56	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2204993	1	01/11/24 13:51	01/13/24 01:03	ALM	Mt. Juliet, TN

82S-SB-57 L1694715-10 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 12:30
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204686	1	01/10/24 16:18	01/10/24 16:28	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204091	1	01/10/24 23:31	01/11/24 10:57	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204736	1	01/10/24 18:03	01/11/24 10:40	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204931	5	01/11/24 03:31	01/28/24 19:42	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1	01/08/24 12:30	01/11/24 22:15	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2204993	1	01/11/24 13:51	01/12/24 23:49	ALM	Mt. Juliet, TN

SAMPLE SUMMARY

TRIP BLANK L1694715-11 GW

Collected by Chelsea Parra
 Collected date/time 01/08/24 00:00
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204507	1	01/10/24 13:46	01/10/24 13:46	JHH	Mt. Juliet, TN

82S-SB-30 L1694715-12 Solid

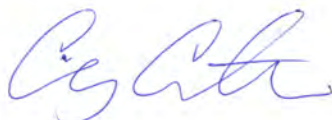
Collected by Chelsea Parra
 Collected date/time 01/08/24 11:30
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204686	1	01/10/24 16:18	01/10/24 16:28	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204091	1	01/10/24 23:31	01/11/24 11:03	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204736	1	01/10/24 18:03	01/11/24 10:42	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204931	5	01/11/24 03:31	01/28/24 20:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1	01/08/24 11:30	01/11/24 22:34	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2204993	2	01/11/24 13:51	01/19/24 23:53	AMS	Mt. Juliet, TN

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

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.5		1	01/10/2024 16:40	WG2204685

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.27	1	01/11/2024 09:36	WG2204091

Mercury by Method 7471B

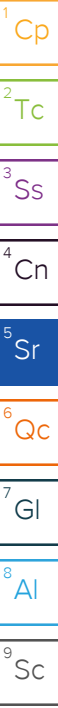
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0510	1	01/11/2024 11:27	WG2204809

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.82	5	01/28/2024 19:58	WG2204931
Arsenic	1.41		1.27	5	01/28/2024 19:58	WG2204931
Barium	43.2		3.18	5	01/28/2024 19:58	WG2204931
Beryllium	ND		3.18	5	01/28/2024 19:58	WG2204931
Cadmium	ND		1.27	5	01/28/2024 19:58	WG2204931
Chromium	17.9		6.37	5	01/28/2024 19:58	WG2204931
Cobalt	8.28		1.27	5	01/28/2024 19:58	WG2204931
Copper	10.8		6.37	5	01/28/2024 19:58	WG2204931
Lead	15.9		2.55	5	01/28/2024 19:58	WG2204931
Manganese	354		3.18	5	01/28/2024 19:58	WG2204931
Nickel	8.83		3.18	5	01/28/2024 19:58	WG2204931
Selenium	ND		3.18	5	01/28/2024 19:58	WG2204931
Silver	ND		0.637	5	01/28/2024 19:58	WG2204931
Thallium	ND		2.55	5	01/28/2024 19:58	WG2204931
Vanadium	19.6		3.18	5	01/28/2024 19:58	WG2204931
Zinc	ND		31.8	5	01/28/2024 19:58	WG2204931

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0776	1	01/12/2024 03:19	WG2205771
Acrylonitrile	ND		0.0194	1	01/12/2024 03:19	WG2205771
Benzene	ND		0.00155	1	01/12/2024 03:19	WG2205771
Bromobenzene	ND		0.0194	1	01/12/2024 03:19	WG2205771
Bromodichloromethane	ND		0.00388	1	01/12/2024 03:19	WG2205771
Bromoform	ND		0.0388	1	01/12/2024 03:19	WG2205771
Bromomethane	ND		0.0194	1	01/12/2024 03:19	WG2205771
n-Butylbenzene	0.0214		0.0194	1	01/12/2024 03:19	WG2205771
sec-Butylbenzene	ND		0.0194	1	01/12/2024 03:19	WG2205771
tert-Butylbenzene	ND		0.00776	1	01/12/2024 03:19	WG2205771
Carbon tetrachloride	ND		0.00776	1	01/12/2024 03:19	WG2205771
Chlorobenzene	ND		0.00388	1	01/12/2024 03:19	WG2205771
Chlorodibromomethane	ND	J4	0.00388	1	01/12/2024 03:19	WG2205771
Chloroethane	ND		0.00776	1	01/12/2024 03:19	WG2205771
Chloroform	ND		0.00388	1	01/12/2024 03:19	WG2205771
Chloromethane	ND		0.0194	1	01/12/2024 03:19	WG2205771
2-Chlorotoluene	ND		0.00388	1	01/12/2024 03:19	WG2205771
4-Chlorotoluene	ND		0.00776	1	01/12/2024 03:19	WG2205771
1,2-Dibromo-3-Chloropropane	ND		0.0388	1	01/12/2024 03:19	WG2205771



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00388	1	01/12/2024 03:19	WG2205771
Dibromomethane	ND		0.00776	1	01/12/2024 03:19	WG2205771
1,2-Dichlorobenzene	ND		0.00776	1	01/12/2024 03:19	WG2205771
1,3-Dichlorobenzene	ND		0.00776	1	01/12/2024 03:19	WG2205771
1,4-Dichlorobenzene	ND		0.00776	1	01/12/2024 03:19	WG2205771
Dichlorodifluoromethane	ND		0.00776	1	01/12/2024 03:19	WG2205771
1,1-Dichloroethane	ND		0.00388	1	01/12/2024 03:19	WG2205771
1,2-Dichloroethane	ND		0.00388	1	01/12/2024 03:19	WG2205771
1,1-Dichloroethene	ND		0.00388	1	01/12/2024 03:19	WG2205771
cis-1,2-Dichloroethene	ND		0.00388	1	01/12/2024 03:19	WG2205771
trans-1,2-Dichloroethene	ND		0.00776	1	01/12/2024 03:19	WG2205771
1,2-Dichloropropane	ND		0.00776	1	01/12/2024 03:19	WG2205771
1,1-Dichloropropene	ND		0.00388	1	01/12/2024 03:19	WG2205771
1,3-Dichloropropane	ND		0.00776	1	01/12/2024 03:19	WG2205771
cis-1,3-Dichloropropene	ND		0.00388	1	01/12/2024 03:19	WG2205771
trans-1,3-Dichloropropene	ND		0.00776	1	01/12/2024 03:19	WG2205771
2,2-Dichloropropane	ND		0.00388	1	01/12/2024 03:19	WG2205771
Di-isopropyl ether	ND		0.00155	1	01/12/2024 03:19	WG2205771
Ethylbenzene	ND		0.00388	1	01/12/2024 03:19	WG2205771
Hexachloro-1,3-butadiene	ND		0.0388	1	01/12/2024 03:19	WG2205771
Isopropylbenzene	ND		0.00388	1	01/12/2024 03:19	WG2205771
p-Isopropyltoluene	0.103		0.00776	1	01/12/2024 03:19	WG2205771
2-Butanone (MEK)	ND		0.155	1	01/12/2024 03:19	WG2205771
Methylene Chloride	ND		0.0388	1	01/12/2024 03:19	WG2205771
4-Methyl-2-pentanone (MIBK)	ND		0.0388	1	01/12/2024 03:19	WG2205771
Methyl tert-butyl ether	ND		0.00155	1	01/12/2024 03:19	WG2205771
Naphthalene	ND		0.0194	1	01/12/2024 03:19	WG2205771
n-Propylbenzene	ND		0.00776	1	01/12/2024 03:19	WG2205771
Styrene	ND		0.0194	1	01/12/2024 03:19	WG2205771
1,1,1,2-Tetrachloroethane	ND		0.00388	1	01/12/2024 03:19	WG2205771
1,1,2,2-Tetrachloroethane	ND		0.00388	1	01/12/2024 03:19	WG2205771
Tetrachloroethene	ND		0.00388	1	01/12/2024 03:19	WG2205771
Toluene	ND		0.00776	1	01/12/2024 03:19	WG2205771
1,2,3-Trichlorobenzene	ND		0.0194	1	01/12/2024 03:19	WG2205771
1,2,4-Trichlorobenzene	ND		0.0194	1	01/12/2024 03:19	WG2205771
1,1,1-Trichloroethane	ND		0.00388	1	01/12/2024 03:19	WG2205771
1,1,2-Trichloroethane	ND		0.00388	1	01/12/2024 03:19	WG2205771
Trichloroethene	ND	J4	0.00155	1	01/12/2024 03:19	WG2205771
Trichlorofluoromethane	ND		0.00388	1	01/12/2024 03:19	WG2205771
1,2,3-Trichloropropane	ND		0.0194	1	01/12/2024 03:19	WG2205771
1,2,4-Trimethylbenzene	ND		0.00776	1	01/12/2024 03:19	WG2205771
1,3,5-Trimethylbenzene	ND		0.00776	1	01/12/2024 03:19	WG2205771
Vinyl chloride	ND		0.00388	1	01/12/2024 03:19	WG2205771
Xylenes, Total	ND		0.0101	1	01/12/2024 03:19	WG2205771
(S) Toluene-d8	102		75.0-131		01/12/2024 03:19	WG2205771
(S) 4-Bromofluorobenzene	98.1		67.0-138		01/12/2024 03:19	WG2205771
(S) 1,2-Dichloroethane-d4	87.6		70.0-130		01/12/2024 03:19	WG2205771

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0424	1	01/13/2024 00:14	WG2204993
Acenaphthylene	ND		0.0424	1	01/13/2024 00:14	WG2204993
Anthracene	ND		0.0424	1	01/13/2024 00:14	WG2204993
Benzidine	ND		2.13	1	01/13/2024 00:14	WG2204993
Benzo(a)anthracene	0.0559		0.0424	1	01/13/2024 00:14	WG2204993

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0894		0.0424	1	01/13/2024 00:14	WG2204993
Benzo(k)fluoranthene	ND		0.0424	1	01/13/2024 00:14	WG2204993
Benzo(g,h,i)perylene	ND		0.0424	1	01/13/2024 00:14	WG2204993
Benzo(a)pyrene	0.0625		0.0424	1	01/13/2024 00:14	WG2204993
Bis(2-chloroethoxy)methane	ND		0.424	1	01/13/2024 00:14	WG2204993
Bis(2-chloroethyl)ether	ND		0.424	1	01/13/2024 00:14	WG2204993
2,2-Oxybis(1-Chloropropane)	ND		0.424	1	01/13/2024 00:14	WG2204993
4-Bromophenyl-phenylether	ND		0.424	1	01/13/2024 00:14	WG2204993
2-Chloronaphthalene	ND		0.0424	1	01/13/2024 00:14	WG2204993
4-Chlorophenyl-phenylether	ND		0.424	1	01/13/2024 00:14	WG2204993
Chrysene	0.0688		0.0424	1	01/13/2024 00:14	WG2204993
Dibenz(a,h)anthracene	ND		0.0424	1	01/13/2024 00:14	WG2204993
3,3-Dichlorobenzidine	ND		0.424	1	01/13/2024 00:14	WG2204993
2,4-Dinitrotoluene	ND		0.424	1	01/13/2024 00:14	WG2204993
2,6-Dinitrotoluene	ND		0.424	1	01/13/2024 00:14	WG2204993
Fluoranthene	0.119		0.0424	1	01/13/2024 00:14	WG2204993
Fluorene	ND		0.0424	1	01/13/2024 00:14	WG2204993
Hexachlorobenzene	ND		0.424	1	01/13/2024 00:14	WG2204993
Hexachloro-1,3-butadiene	ND		0.424	1	01/13/2024 00:14	WG2204993
Hexachlorocyclopentadiene	ND		0.424	1	01/13/2024 00:14	WG2204993
Hexachloroethane	ND		0.424	1	01/13/2024 00:14	WG2204993
Indeno(1,2,3-cd)pyrene	ND		0.0424	1	01/13/2024 00:14	WG2204993
Isophorone	ND		0.424	1	01/13/2024 00:14	WG2204993
Naphthalene	ND		0.0424	1	01/13/2024 00:14	WG2204993
Nitrobenzene	ND		0.424	1	01/13/2024 00:14	WG2204993
n-Nitrosodimethylamine	ND		0.424	1	01/13/2024 00:14	WG2204993
n-Nitrosodiphenylamine	ND		0.424	1	01/13/2024 00:14	WG2204993
n-Nitrosodi-n-propylamine	ND		0.424	1	01/13/2024 00:14	WG2204993
Phenanthrene	0.0531		0.0424	1	01/13/2024 00:14	WG2204993
Benzylbutyl phthalate	ND		0.424	1	01/13/2024 00:14	WG2204993
Bis(2-ethylhexyl)phthalate	ND		0.424	1	01/13/2024 00:14	WG2204993
Di-n-butyl phthalate	ND		0.424	1	01/13/2024 00:14	WG2204993
Diethyl phthalate	ND		0.424	1	01/13/2024 00:14	WG2204993
Dimethyl phthalate	ND		0.424	1	01/13/2024 00:14	WG2204993
Di-n-octyl phthalate	ND		0.424	1	01/13/2024 00:14	WG2204993
Pyrene	0.111		0.0424	1	01/13/2024 00:14	WG2204993
1,2,4-Trichlorobenzene	ND		0.424	1	01/13/2024 00:14	WG2204993
4-Chloro-3-methylphenol	ND		0.424	1	01/13/2024 00:14	WG2204993
2-Chlorophenol	ND		0.424	1	01/13/2024 00:14	WG2204993
2,4-Dichlorophenol	ND		0.424	1	01/13/2024 00:14	WG2204993
2,4-Dimethylphenol	ND		0.424	1	01/13/2024 00:14	WG2204993
4,6-Dinitro-2-methylphenol	ND		0.424	1	01/13/2024 00:14	WG2204993
2,4-Dinitrophenol	ND		0.424	1	01/13/2024 00:14	WG2204993
2-Nitrophenol	ND		0.424	1	01/13/2024 00:14	WG2204993
4-Nitrophenol	ND		0.424	1	01/13/2024 00:14	WG2204993
Pentachlorophenol	ND		0.424	1	01/13/2024 00:14	WG2204993
Phenol	ND		0.424	1	01/13/2024 00:14	WG2204993
2,4,6-Trichlorophenol	ND		0.424	1	01/13/2024 00:14	WG2204993
(S) 2-Fluorophenol	65.4		12.0-120		01/13/2024 00:14	WG2204993
(S) Phenol-d5	64.1		10.0-120		01/13/2024 00:14	WG2204993
(S) Nitrobenzene-d5	58.4		10.0-122		01/13/2024 00:14	WG2204993
(S) 2-Fluorobiphenyl	58.1		15.0-120		01/13/2024 00:14	WG2204993
(S) 2,4,6-Tribromophenol	57.1		10.0-127		01/13/2024 00:14	WG2204993
(S) p-Terphenyl-d14	65.8		10.0-120		01/13/2024 00:14	WG2204993

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	79.7		1	01/10/2024 16:40	WG2204685

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.26	1	01/11/2024 09:42	WG2204091

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	ND		0.0502	1	01/11/2024 11:36	WG2204809

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		3.77	5	01/28/2024 20:01	WG2204931
Arsenic	2.06		1.26	5	01/28/2024 20:01	WG2204931
Barium	65.2		3.14	5	01/28/2024 20:01	WG2204931
Beryllium	ND		3.14	5	01/28/2024 20:01	WG2204931
Cadmium	ND		1.26	5	01/28/2024 20:01	WG2204931
Chromium	22.9		6.28	5	01/28/2024 20:01	WG2204931
Cobalt	12.3		1.26	5	01/28/2024 20:01	WG2204931
Copper	14.7		6.28	5	01/28/2024 20:01	WG2204931
Lead	21.7		2.51	5	01/28/2024 20:01	WG2204931
Manganese	644		3.14	5	01/28/2024 20:01	WG2204931
Nickel	11.1		3.14	5	01/28/2024 20:01	WG2204931
Selenium	ND		3.14	5	01/28/2024 20:01	WG2204931
Silver	ND		0.628	5	01/28/2024 20:01	WG2204931
Thallium	ND		2.51	5	01/28/2024 20:01	WG2204931
Vanadium	29.4		3.14	5	01/28/2024 20:01	WG2204931
Zinc	ND		31.4	5	01/28/2024 20:01	WG2204931

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND		0.0761	1.01	01/12/2024 03:38	WG2205771
Acrylonitrile	ND		0.0190	1.01	01/12/2024 03:38	WG2205771
Benzene	ND		0.00152	1.01	01/12/2024 03:38	WG2205771
Bromobenzene	ND		0.0190	1.01	01/12/2024 03:38	WG2205771
Bromodichloromethane	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
Bromoform	ND		0.0381	1.01	01/12/2024 03:38	WG2205771
Bromomethane	ND		0.0190	1.01	01/12/2024 03:38	WG2205771
n-Butylbenzene	ND		0.0190	1.01	01/12/2024 03:38	WG2205771
sec-Butylbenzene	ND		0.0190	1.01	01/12/2024 03:38	WG2205771
tert-Butylbenzene	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
Carbon tetrachloride	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
Chlorobenzene	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
Chlorodibromomethane	ND	J4	0.00381	1.01	01/12/2024 03:38	WG2205771
Chloroethane	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
Chloroform	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
Chloromethane	ND		0.0190	1.01	01/12/2024 03:38	WG2205771
2-Chlorotoluene	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
4-Chlorotoluene	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
1,2-Dibromo-3-Chloropropane	ND		0.0381	1.01	01/12/2024 03:38	WG2205771

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
Dibromomethane	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
1,2-Dichlorobenzene	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
1,3-Dichlorobenzene	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
1,4-Dichlorobenzene	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
Dichlorodifluoromethane	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
1,1-Dichloroethane	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
1,2-Dichloroethane	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
1,1-Dichloroethene	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
cis-1,2-Dichloroethene	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
trans-1,2-Dichloroethene	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
1,2-Dichloropropane	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
1,1-Dichloropropene	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
1,3-Dichloropropane	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
cis-1,3-Dichloropropene	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
trans-1,3-Dichloropropene	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
2,2-Dichloropropane	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
Di-isopropyl ether	ND		0.00152	1.01	01/12/2024 03:38	WG2205771
Ethylbenzene	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
Hexachloro-1,3-butadiene	ND		0.0381	1.01	01/12/2024 03:38	WG2205771
Isopropylbenzene	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
p-Isopropyltoluene	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
2-Butanone (MEK)	ND		0.152	1.01	01/12/2024 03:38	WG2205771
Methylene Chloride	ND		0.0381	1.01	01/12/2024 03:38	WG2205771
4-Methyl-2-pentanone (MIBK)	ND		0.0381	1.01	01/12/2024 03:38	WG2205771
Methyl tert-butyl ether	ND		0.00152	1.01	01/12/2024 03:38	WG2205771
Naphthalene	ND		0.0190	1.01	01/12/2024 03:38	WG2205771
n-Propylbenzene	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
Styrene	ND		0.0190	1.01	01/12/2024 03:38	WG2205771
1,1,1,2-Tetrachloroethane	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
1,1,2,2-Tetrachloroethane	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
Tetrachloroethene	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
Toluene	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
1,2,3-Trichlorobenzene	ND		0.0190	1.01	01/12/2024 03:38	WG2205771
1,2,4-Trichlorobenzene	ND		0.0190	1.01	01/12/2024 03:38	WG2205771
1,1,1-Trichloroethane	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
1,1,2-Trichloroethane	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
Trichloroethene	ND	J4	0.00152	1.01	01/12/2024 03:38	WG2205771
Trichlorofluoromethane	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
1,2,3-Trichloropropane	ND		0.0190	1.01	01/12/2024 03:38	WG2205771
1,2,4-Trimethylbenzene	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
1,3,5-Trimethylbenzene	ND		0.00761	1.01	01/12/2024 03:38	WG2205771
Vinyl chloride	ND		0.00381	1.01	01/12/2024 03:38	WG2205771
Xylenes, Total	ND		0.00988	1.01	01/12/2024 03:38	WG2205771
(S) Toluene-d8	103		75.0-131		01/12/2024 03:38	WG2205771
(S) 4-Bromofluorobenzene	100		67.0-138		01/12/2024 03:38	WG2205771
(S) 1,2-Dichloroethane-d4	90.1		70.0-130		01/12/2024 03:38	WG2205771

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0418	1	01/13/2024 00:39	WG2204993
Acenaphthylene	ND		0.0418	1	01/13/2024 00:39	WG2204993
Anthracene	ND		0.0418	1	01/13/2024 00:39	WG2204993
Benzidine	ND		2.10	1	01/13/2024 00:39	WG2204993
Benzo(a)anthracene	0.0454		0.0418	1	01/13/2024 00:39	WG2204993

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0649		0.0418	1	01/13/2024 00:39	WG2204993
Benzo(k)fluoranthene	ND		0.0418	1	01/13/2024 00:39	WG2204993
Benzo(g,h,i)perylene	ND		0.0418	1	01/13/2024 00:39	WG2204993
Benzo(a)pyrene	0.0482		0.0418	1	01/13/2024 00:39	WG2204993
Bis(2-chloroethoxy)methane	ND		0.418	1	01/13/2024 00:39	WG2204993
Bis(2-chloroethyl)ether	ND		0.418	1	01/13/2024 00:39	WG2204993
2,2-Oxybis(1-Chloropropane)	ND		0.418	1	01/13/2024 00:39	WG2204993
4-Bromophenyl-phenylether	ND		0.418	1	01/13/2024 00:39	WG2204993
2-Chloronaphthalene	ND		0.0418	1	01/13/2024 00:39	WG2204993
4-Chlorophenyl-phenylether	ND		0.418	1	01/13/2024 00:39	WG2204993
Chrysene	0.0434		0.0418	1	01/13/2024 00:39	WG2204993
Dibenz(a,h)anthracene	ND		0.0418	1	01/13/2024 00:39	WG2204993
3,3-Dichlorobenzidine	ND		0.418	1	01/13/2024 00:39	WG2204993
2,4-Dinitrotoluene	ND		0.418	1	01/13/2024 00:39	WG2204993
2,6-Dinitrotoluene	ND		0.418	1	01/13/2024 00:39	WG2204993
Fluoranthene	0.112		0.0418	1	01/13/2024 00:39	WG2204993
Fluorene	ND		0.0418	1	01/13/2024 00:39	WG2204993
Hexachlorobenzene	ND		0.418	1	01/13/2024 00:39	WG2204993
Hexachloro-1,3-butadiene	ND		0.418	1	01/13/2024 00:39	WG2204993
Hexachlorocyclopentadiene	ND		0.418	1	01/13/2024 00:39	WG2204993
Hexachloroethane	ND		0.418	1	01/13/2024 00:39	WG2204993
Indeno(1,2,3-cd)pyrene	ND		0.0418	1	01/13/2024 00:39	WG2204993
Isophorone	ND		0.418	1	01/13/2024 00:39	WG2204993
Naphthalene	ND		0.0418	1	01/13/2024 00:39	WG2204993
Nitrobenzene	ND		0.418	1	01/13/2024 00:39	WG2204993
n-Nitrosodimethylamine	ND		0.418	1	01/13/2024 00:39	WG2204993
n-Nitrosodiphenylamine	ND		0.418	1	01/13/2024 00:39	WG2204993
n-Nitrosodi-n-propylamine	ND		0.418	1	01/13/2024 00:39	WG2204993
Phenanthrene	0.0609		0.0418	1	01/13/2024 00:39	WG2204993
Benzylbutyl phthalate	ND		0.418	1	01/13/2024 00:39	WG2204993
Bis(2-ethylhexyl)phthalate	ND		0.418	1	01/13/2024 00:39	WG2204993
Di-n-butyl phthalate	ND		0.418	1	01/13/2024 00:39	WG2204993
Diethyl phthalate	ND		0.418	1	01/13/2024 00:39	WG2204993
Dimethyl phthalate	ND		0.418	1	01/13/2024 00:39	WG2204993
Di-n-octyl phthalate	ND		0.418	1	01/13/2024 00:39	WG2204993
Pyrene	0.102		0.0418	1	01/13/2024 00:39	WG2204993
1,2,4-Trichlorobenzene	ND		0.418	1	01/13/2024 00:39	WG2204993
4-Chloro-3-methylphenol	ND		0.418	1	01/13/2024 00:39	WG2204993
2-Chlorophenol	ND		0.418	1	01/13/2024 00:39	WG2204993
2,4-Dichlorophenol	ND		0.418	1	01/13/2024 00:39	WG2204993
2,4-Dimethylphenol	ND		0.418	1	01/13/2024 00:39	WG2204993
4,6-Dinitro-2-methylphenol	ND		0.418	1	01/13/2024 00:39	WG2204993
2,4-Dinitrophenol	ND		0.418	1	01/13/2024 00:39	WG2204993
2-Nitrophenol	ND		0.418	1	01/13/2024 00:39	WG2204993
4-Nitrophenol	ND		0.418	1	01/13/2024 00:39	WG2204993
Pentachlorophenol	ND		0.418	1	01/13/2024 00:39	WG2204993
Phenol	ND		0.418	1	01/13/2024 00:39	WG2204993
2,4,6-Trichlorophenol	ND		0.418	1	01/13/2024 00:39	WG2204993
(S) 2-Fluorophenol	65.0		12.0-120		01/13/2024 00:39	WG2204993
(S) Phenol-d5	62.3		10.0-120		01/13/2024 00:39	WG2204993
(S) Nitrobenzene-d5	58.9		10.0-122		01/13/2024 00:39	WG2204993
(S) 2-Fluorobiphenyl	58.9		15.0-120		01/13/2024 00:39	WG2204993
(S) 2,4,6-Tribromophenol	56.2		10.0-127		01/13/2024 00:39	WG2204993
(S) p-Terphenyl-d14	66.2		10.0-120		01/13/2024 00:39	WG2204993

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	67.3		1	01/10/2024 16:40	WG2204685

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.49	1	01/11/2024 09:48	WG2204091

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0920		0.0595	1	01/11/2024 11:39	WG2204809

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.46	5	01/28/2024 20:05	WG2204931
Arsenic	3.50		1.49	5	01/28/2024 20:05	WG2204931
Barium	91.0		3.72	5	01/28/2024 20:05	WG2204931
Beryllium	ND		3.72	5	01/28/2024 20:05	WG2204931
Cadmium	ND		1.49	5	01/28/2024 20:05	WG2204931
Chromium	18.3		7.43	5	01/28/2024 20:05	WG2204931
Cobalt	12.9		1.49	5	01/28/2024 20:05	WG2204931
Copper	31.5		7.43	5	01/28/2024 20:05	WG2204931
Lead	53.2		2.97	5	01/28/2024 20:05	WG2204931
Manganese	871		3.72	5	01/28/2024 20:05	WG2204931
Nickel	32.7		3.72	5	01/28/2024 20:05	WG2204931
Selenium	ND		3.72	5	01/28/2024 20:05	WG2204931
Silver	ND		0.743	5	01/28/2024 20:05	WG2204931
Thallium	ND		2.97	5	01/28/2024 20:05	WG2204931
Vanadium	33.3		3.72	5	01/28/2024 20:05	WG2204931
Zinc	125		37.2	5	01/28/2024 20:05	WG2204931

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.102	1.04	01/12/2024 03:57	WG2205771
Acrylonitrile	ND		0.0254	1.04	01/12/2024 03:57	WG2205771
Benzene	ND		0.00203	1.04	01/12/2024 03:57	WG2205771
Bromobenzene	ND		0.0254	1.04	01/12/2024 03:57	WG2205771
Bromodichloromethane	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
Bromoform	ND		0.0508	1.04	01/12/2024 03:57	WG2205771
Bromomethane	ND		0.0254	1.04	01/12/2024 03:57	WG2205771
n-Butylbenzene	ND		0.0254	1.04	01/12/2024 03:57	WG2205771
sec-Butylbenzene	ND		0.0254	1.04	01/12/2024 03:57	WG2205771
tert-Butylbenzene	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
Carbon tetrachloride	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
Chlorobenzene	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
Chlorodibromomethane	ND	J4	0.00508	1.04	01/12/2024 03:57	WG2205771
Chloroethane	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
Chloroform	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
Chloromethane	ND		0.0254	1.04	01/12/2024 03:57	WG2205771
2-Chlorotoluene	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
4-Chlorotoluene	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
1,2-Dibromo-3-Chloropropane	ND		0.0508	1.04	01/12/2024 03:57	WG2205771

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

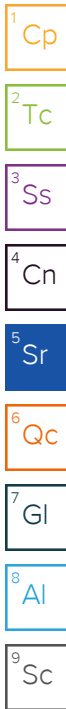
7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
Dibromomethane	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
1,2-Dichlorobenzene	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
1,3-Dichlorobenzene	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
1,4-Dichlorobenzene	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
Dichlorodifluoromethane	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
1,1-Dichloroethane	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
1,2-Dichloroethane	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
1,1-Dichloroethene	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
cis-1,2-Dichloroethene	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
trans-1,2-Dichloroethene	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
1,2-Dichloropropane	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
1,1-Dichloropropene	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
1,3-Dichloropropane	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
cis-1,3-Dichloropropene	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
trans-1,3-Dichloropropene	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
2,2-Dichloropropane	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
Di-isopropyl ether	ND		0.00203	1.04	01/12/2024 03:57	WG2205771
Ethylbenzene	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
Hexachloro-1,3-butadiene	ND		0.0508	1.04	01/12/2024 03:57	WG2205771
Isopropylbenzene	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
p-Isopropyltoluene	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
2-Butanone (MEK)	ND		0.203	1.04	01/12/2024 03:57	WG2205771
Methylene Chloride	ND		0.0508	1.04	01/12/2024 03:57	WG2205771
4-Methyl-2-pentanone (MIBK)	ND		0.0508	1.04	01/12/2024 03:57	WG2205771
Methyl tert-butyl ether	ND		0.00203	1.04	01/12/2024 03:57	WG2205771
Naphthalene	ND		0.0254	1.04	01/12/2024 03:57	WG2205771
n-Propylbenzene	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
Styrene	ND		0.0254	1.04	01/12/2024 03:57	WG2205771
1,1,1,2-Tetrachloroethane	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
1,1,2,2-Tetrachloroethane	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
Tetrachloroethene	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
Toluene	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
1,2,3-Trichlorobenzene	ND		0.0254	1.04	01/12/2024 03:57	WG2205771
1,2,4-Trichlorobenzene	ND		0.0254	1.04	01/12/2024 03:57	WG2205771
1,1,1-Trichloroethane	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
1,1,2-Trichloroethane	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
Trichloroethene	ND	J4	0.00203	1.04	01/12/2024 03:57	WG2205771
Trichlorofluoromethane	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
1,2,3-Trichloropropane	ND		0.0254	1.04	01/12/2024 03:57	WG2205771
1,2,4-Trimethylbenzene	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
1,3,5-Trimethylbenzene	ND		0.0102	1.04	01/12/2024 03:57	WG2205771
Vinyl chloride	ND		0.00508	1.04	01/12/2024 03:57	WG2205771
Xylenes, Total	ND		0.0132	1.04	01/12/2024 03:57	WG2205771
(S) Toluene-d8	102		75.0-131		01/12/2024 03:57	WG2205771
(S) 4-Bromofluorobenzene	104		67.0-138		01/12/2024 03:57	WG2205771
(S) 1,2-Dichloroethane-d4	92.8		70.0-130		01/12/2024 03:57	WG2205771



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		0.0990	2	01/20/2024 00:13	WG2204993
Acenaphthylene	ND		0.0990	2	01/20/2024 00:13	WG2204993
Anthracene	ND		0.0990	2	01/20/2024 00:13	WG2204993
Benzidine	ND		4.96	2	01/20/2024 00:13	WG2204993
Benzo(a)anthracene	ND		0.0990	2	01/20/2024 00:13	WG2204993

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.136		0.0990	2	01/20/2024 00:13	WG2204993
Benzo(k)fluoranthene	ND		0.0990	2	01/20/2024 00:13	WG2204993
Benzo(g,h,i)perylene	ND		0.0990	2	01/20/2024 00:13	WG2204993
Benzo(a)pyrene	ND		0.0990	2	01/20/2024 00:13	WG2204993
Bis(2-chloroethoxy)methane	ND		0.990	2	01/20/2024 00:13	WG2204993
Bis(2-chloroethyl)ether	ND		0.990	2	01/20/2024 00:13	WG2204993
2,2-Oxybis(1-Chloropropane)	ND		0.990	2	01/20/2024 00:13	WG2204993
4-Bromophenyl-phenylether	ND		0.990	2	01/20/2024 00:13	WG2204993
2-Chloronaphthalene	ND		0.0990	2	01/20/2024 00:13	WG2204993
4-Chlorophenyl-phenylether	ND		0.990	2	01/20/2024 00:13	WG2204993
Chrysene	ND		0.0990	2	01/20/2024 00:13	WG2204993
Dibenz(a,h)anthracene	ND		0.0990	2	01/20/2024 00:13	WG2204993
3,3-Dichlorobenzidine	ND		0.990	2	01/20/2024 00:13	WG2204993
2,4-Dinitrotoluene	ND		0.990	2	01/20/2024 00:13	WG2204993
2,6-Dinitrotoluene	ND		0.990	2	01/20/2024 00:13	WG2204993
Fluoranthene	0.180		0.0990	2	01/20/2024 00:13	WG2204993
Fluorene	ND		0.0990	2	01/20/2024 00:13	WG2204993
Hexachlorobenzene	ND		0.990	2	01/20/2024 00:13	WG2204993
Hexachloro-1,3-butadiene	ND		0.990	2	01/20/2024 00:13	WG2204993
Hexachlorocyclopentadiene	ND		0.990	2	01/20/2024 00:13	WG2204993
Hexachloroethane	ND		0.990	2	01/20/2024 00:13	WG2204993
Indeno(1,2,3-cd)pyrene	ND		0.0990	2	01/20/2024 00:13	WG2204993
Isophorone	ND		0.990	2	01/20/2024 00:13	WG2204993
Naphthalene	ND		0.0990	2	01/20/2024 00:13	WG2204993
Nitrobenzene	ND		0.990	2	01/20/2024 00:13	WG2204993
n-Nitrosodimethylamine	ND		0.990	2	01/20/2024 00:13	WG2204993
n-Nitrosodiphenylamine	ND		0.990	2	01/20/2024 00:13	WG2204993
n-Nitrosodi-n-propylamine	ND		0.990	2	01/20/2024 00:13	WG2204993
Phenanthrene	ND		0.0990	2	01/20/2024 00:13	WG2204993
Benzylbutyl phthalate	ND		0.990	2	01/20/2024 00:13	WG2204993
Bis(2-ethylhexyl)phthalate	ND		0.990	2	01/20/2024 00:13	WG2204993
Di-n-butyl phthalate	ND		0.990	2	01/20/2024 00:13	WG2204993
Diethyl phthalate	ND		0.990	2	01/20/2024 00:13	WG2204993
Dimethyl phthalate	ND		0.990	2	01/20/2024 00:13	WG2204993
Di-n-octyl phthalate	ND		0.990	2	01/20/2024 00:13	WG2204993
Pyrene	0.161		0.0990	2	01/20/2024 00:13	WG2204993
1,2,4-Trichlorobenzene	ND		0.990	2	01/20/2024 00:13	WG2204993
4-Chloro-3-methylphenol	ND		0.990	2	01/20/2024 00:13	WG2204993
2-Chlorophenol	ND		0.990	2	01/20/2024 00:13	WG2204993
2,4-Dichlorophenol	ND		0.990	2	01/20/2024 00:13	WG2204993
2,4-Dimethylphenol	ND		0.990	2	01/20/2024 00:13	WG2204993
4,6-Dinitro-2-methylphenol	ND		0.990	2	01/20/2024 00:13	WG2204993
2,4-Dinitrophenol	ND		0.990	2	01/20/2024 00:13	WG2204993
2-Nitrophenol	ND		0.990	2	01/20/2024 00:13	WG2204993
4-Nitrophenol	ND		0.990	2	01/20/2024 00:13	WG2204993
Pentachlorophenol	ND		0.990	2	01/20/2024 00:13	WG2204993
Phenol	ND		0.990	2	01/20/2024 00:13	WG2204993
2,4,6-Trichlorophenol	ND		0.990	2	01/20/2024 00:13	WG2204993
(S) 2-Fluorophenol	66.2		12.0-120		01/20/2024 00:13	WG2204993
(S) Phenol-d5	62.0		10.0-120		01/20/2024 00:13	WG2204993
(S) Nitrobenzene-d5	55.8		10.0-122		01/20/2024 00:13	WG2204993
(S) 2-Fluorobiphenyl	61.4		15.0-120		01/20/2024 00:13	WG2204993
(S) 2,4,6-Tribromophenol	73.4		10.0-127		01/20/2024 00:13	WG2204993
(S) p-Terphenyl-d14	68.8		10.0-120		01/20/2024 00:13	WG2204993

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	76.8		1	01/10/2024 16:40	WG2204685

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	2.85		1.30	1	01/11/2024 10:13	WG2204091

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	ND		0.0521	1	01/11/2024 11:41	WG2204809

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		3.91	5	01/28/2024 20:30	WG2204931
Arsenic	1.64		1.30	5	01/28/2024 20:30	WG2204931
Barium	95.5		3.25	5	01/28/2024 20:30	WG2204931
Beryllium	ND		3.25	5	01/28/2024 20:30	WG2204931
Cadmium	ND		1.30	5	01/28/2024 20:30	WG2204931
Chromium	25.7		6.51	5	01/28/2024 20:30	WG2204931
Cobalt	14.6		1.30	5	01/28/2024 20:30	WG2204931
Copper	13.0		6.51	5	01/28/2024 20:30	WG2204931
Lead	17.0		2.60	5	01/28/2024 20:30	WG2204931
Manganese	836		3.25	5	01/28/2024 20:30	WG2204931
Nickel	11.7		3.25	5	01/28/2024 20:30	WG2204931
Selenium	ND		3.25	5	01/28/2024 20:30	WG2204931
Silver	ND		0.651	5	01/28/2024 20:30	WG2204931
Thallium	ND		2.60	5	01/28/2024 20:30	WG2204931
Vanadium	35.2		3.25	5	01/28/2024 20:30	WG2204931
Zinc	ND		32.5	5	01/28/2024 20:30	WG2204931

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND		0.0805	1	01/12/2024 04:16	WG2205771
Acrylonitrile	ND		0.0201	1	01/12/2024 04:16	WG2205771
Benzene	ND		0.00161	1	01/12/2024 04:16	WG2205771
Bromobenzene	ND		0.0201	1	01/12/2024 04:16	WG2205771
Bromodichloromethane	ND		0.00403	1	01/12/2024 04:16	WG2205771
Bromoform	ND		0.0403	1	01/12/2024 04:16	WG2205771
Bromomethane	ND		0.0201	1	01/12/2024 04:16	WG2205771
n-Butylbenzene	ND		0.0201	1	01/12/2024 04:16	WG2205771
sec-Butylbenzene	ND		0.0201	1	01/12/2024 04:16	WG2205771
tert-Butylbenzene	ND		0.00805	1	01/12/2024 04:16	WG2205771
Carbon tetrachloride	ND		0.00805	1	01/12/2024 04:16	WG2205771
Chlorobenzene	ND		0.00403	1	01/12/2024 04:16	WG2205771
Chlorodibromomethane	ND	J4	0.00403	1	01/12/2024 04:16	WG2205771
Chloroethane	ND		0.00805	1	01/12/2024 04:16	WG2205771
Chloroform	ND		0.00403	1	01/12/2024 04:16	WG2205771
Chloromethane	ND		0.0201	1	01/12/2024 04:16	WG2205771
2-Chlorotoluene	ND		0.00403	1	01/12/2024 04:16	WG2205771
4-Chlorotoluene	ND		0.00805	1	01/12/2024 04:16	WG2205771
1,2-Dibromo-3-Chloropropane	ND		0.0403	1	01/12/2024 04:16	WG2205771

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00403	1	01/12/2024 04:16	WG2205771
Dibromomethane	ND		0.00805	1	01/12/2024 04:16	WG2205771
1,2-Dichlorobenzene	ND		0.00805	1	01/12/2024 04:16	WG2205771
1,3-Dichlorobenzene	ND		0.00805	1	01/12/2024 04:16	WG2205771
1,4-Dichlorobenzene	ND		0.00805	1	01/12/2024 04:16	WG2205771
Dichlorodifluoromethane	ND		0.00805	1	01/12/2024 04:16	WG2205771
1,1-Dichloroethane	ND		0.00403	1	01/12/2024 04:16	WG2205771
1,2-Dichloroethane	ND		0.00403	1	01/12/2024 04:16	WG2205771
1,1-Dichloroethene	ND		0.00403	1	01/12/2024 04:16	WG2205771
cis-1,2-Dichloroethene	ND		0.00403	1	01/12/2024 04:16	WG2205771
trans-1,2-Dichloroethene	ND		0.00805	1	01/12/2024 04:16	WG2205771
1,2-Dichloropropane	ND		0.00805	1	01/12/2024 04:16	WG2205771
1,1-Dichloropropene	ND		0.00403	1	01/12/2024 04:16	WG2205771
1,3-Dichloropropane	ND		0.00805	1	01/12/2024 04:16	WG2205771
cis-1,3-Dichloropropene	ND		0.00403	1	01/12/2024 04:16	WG2205771
trans-1,3-Dichloropropene	ND		0.00805	1	01/12/2024 04:16	WG2205771
2,2-Dichloropropane	ND		0.00403	1	01/12/2024 04:16	WG2205771
Di-isopropyl ether	ND		0.00161	1	01/12/2024 04:16	WG2205771
Ethylbenzene	ND		0.00403	1	01/12/2024 04:16	WG2205771
Hexachloro-1,3-butadiene	ND		0.0403	1	01/12/2024 04:16	WG2205771
Isopropylbenzene	ND		0.00403	1	01/12/2024 04:16	WG2205771
p-Isopropyltoluene	ND		0.00805	1	01/12/2024 04:16	WG2205771
2-Butanone (MEK)	ND		0.161	1	01/12/2024 04:16	WG2205771
Methylene Chloride	ND		0.0403	1	01/12/2024 04:16	WG2205771
4-Methyl-2-pentanone (MIBK)	ND		0.0403	1	01/12/2024 04:16	WG2205771
Methyl tert-butyl ether	ND		0.00161	1	01/12/2024 04:16	WG2205771
Naphthalene	ND		0.0201	1	01/12/2024 04:16	WG2205771
n-Propylbenzene	ND		0.00805	1	01/12/2024 04:16	WG2205771
Styrene	ND		0.0201	1	01/12/2024 04:16	WG2205771
1,1,1,2-Tetrachloroethane	ND		0.00403	1	01/12/2024 04:16	WG2205771
1,1,2,2-Tetrachloroethane	ND		0.00403	1	01/12/2024 04:16	WG2205771
Tetrachloroethene	ND		0.00403	1	01/12/2024 04:16	WG2205771
Toluene	ND		0.00805	1	01/12/2024 04:16	WG2205771
1,2,3-Trichlorobenzene	ND		0.0201	1	01/12/2024 04:16	WG2205771
1,2,4-Trichlorobenzene	ND		0.0201	1	01/12/2024 04:16	WG2205771
1,1,1-Trichloroethane	ND		0.00403	1	01/12/2024 04:16	WG2205771
1,1,2-Trichloroethane	ND		0.00403	1	01/12/2024 04:16	WG2205771
Trichloroethene	ND	J4	0.00161	1	01/12/2024 04:16	WG2205771
Trichlorofluoromethane	ND		0.00403	1	01/12/2024 04:16	WG2205771
1,2,3-Trichloropropane	ND		0.0201	1	01/12/2024 04:16	WG2205771
1,2,4-Trimethylbenzene	ND		0.00805	1	01/12/2024 04:16	WG2205771
1,3,5-Trimethylbenzene	ND		0.00805	1	01/12/2024 04:16	WG2205771
Vinyl chloride	ND		0.00403	1	01/12/2024 04:16	WG2205771
Xylenes, Total	ND		0.0105	1	01/12/2024 04:16	WG2205771
(S) Toluene-d8	102		75.0-131		01/12/2024 04:16	WG2205771
(S) 4-Bromofluorobenzene	100		67.0-138		01/12/2024 04:16	WG2205771
(S) 1,2-Dichloroethane-d4	90.8		70.0-130		01/12/2024 04:16	WG2205771

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0434	1	01/12/2024 23:24	WG2204993
Acenaphthylene	ND		0.0434	1	01/12/2024 23:24	WG2204993
Anthracene	ND		0.0434	1	01/12/2024 23:24	WG2204993
Benzidine	ND		2.17	1	01/12/2024 23:24	WG2204993
Benzo(a)anthracene	ND		0.0434	1	01/12/2024 23:24	WG2204993

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0434	1	01/12/2024 23:24	WG2204993
Benzo(k)fluoranthene	ND		0.0434	1	01/12/2024 23:24	WG2204993
Benzo(g,h,i)perylene	ND		0.0434	1	01/12/2024 23:24	WG2204993
Benzo(a)pyrene	ND		0.0434	1	01/12/2024 23:24	WG2204993
Bis(2-chloroethoxy)methane	ND		0.434	1	01/12/2024 23:24	WG2204993
Bis(2-chloroethyl)ether	ND		0.434	1	01/12/2024 23:24	WG2204993
2,2-Oxybis(1-Chloropropane)	ND		0.434	1	01/12/2024 23:24	WG2204993
4-Bromophenyl-phenylether	ND		0.434	1	01/12/2024 23:24	WG2204993
2-Chloronaphthalene	ND		0.0434	1	01/12/2024 23:24	WG2204993
4-Chlorophenyl-phenylether	ND		0.434	1	01/12/2024 23:24	WG2204993
Chrysene	ND		0.0434	1	01/12/2024 23:24	WG2204993
Dibenz(a,h)anthracene	ND		0.0434	1	01/12/2024 23:24	WG2204993
3,3-Dichlorobenzidine	ND		0.434	1	01/12/2024 23:24	WG2204993
2,4-Dinitrotoluene	ND		0.434	1	01/12/2024 23:24	WG2204993
2,6-Dinitrotoluene	ND		0.434	1	01/12/2024 23:24	WG2204993
Fluoranthene	ND		0.0434	1	01/12/2024 23:24	WG2204993
Fluorene	ND		0.0434	1	01/12/2024 23:24	WG2204993
Hexachlorobenzene	ND		0.434	1	01/12/2024 23:24	WG2204993
Hexachloro-1,3-butadiene	ND		0.434	1	01/12/2024 23:24	WG2204993
Hexachlorocyclopentadiene	ND		0.434	1	01/12/2024 23:24	WG2204993
Hexachloroethane	ND		0.434	1	01/12/2024 23:24	WG2204993
Indeno(1,2,3-cd)pyrene	ND		0.0434	1	01/12/2024 23:24	WG2204993
Isophorone	ND		0.434	1	01/12/2024 23:24	WG2204993
Naphthalene	ND		0.0434	1	01/12/2024 23:24	WG2204993
Nitrobenzene	ND		0.434	1	01/12/2024 23:24	WG2204993
n-Nitrosodimethylamine	ND		0.434	1	01/12/2024 23:24	WG2204993
n-Nitrosodiphenylamine	ND		0.434	1	01/12/2024 23:24	WG2204993
n-Nitrosodi-n-propylamine	ND		0.434	1	01/12/2024 23:24	WG2204993
Phenanthrene	ND		0.0434	1	01/12/2024 23:24	WG2204993
Benzylbutyl phthalate	ND		0.434	1	01/12/2024 23:24	WG2204993
Bis(2-ethylhexyl)phthalate	ND		0.434	1	01/12/2024 23:24	WG2204993
Di-n-butyl phthalate	ND		0.434	1	01/12/2024 23:24	WG2204993
Diethyl phthalate	ND		0.434	1	01/12/2024 23:24	WG2204993
Dimethyl phthalate	ND		0.434	1	01/12/2024 23:24	WG2204993
Di-n-octyl phthalate	ND		0.434	1	01/12/2024 23:24	WG2204993
Pyrene	ND		0.0434	1	01/12/2024 23:24	WG2204993
1,2,4-Trichlorobenzene	ND		0.434	1	01/12/2024 23:24	WG2204993
4-Chloro-3-methylphenol	ND		0.434	1	01/12/2024 23:24	WG2204993
2-Chlorophenol	ND		0.434	1	01/12/2024 23:24	WG2204993
2,4-Dichlorophenol	ND		0.434	1	01/12/2024 23:24	WG2204993
2,4-Dimethylphenol	ND		0.434	1	01/12/2024 23:24	WG2204993
4,6-Dinitro-2-methylphenol	ND		0.434	1	01/12/2024 23:24	WG2204993
2,4-Dinitrophenol	ND		0.434	1	01/12/2024 23:24	WG2204993
2-Nitrophenol	ND		0.434	1	01/12/2024 23:24	WG2204993
4-Nitrophenol	ND		0.434	1	01/12/2024 23:24	WG2204993
Pentachlorophenol	ND		0.434	1	01/12/2024 23:24	WG2204993
Phenol	ND		0.434	1	01/12/2024 23:24	WG2204993
2,4,6-Trichlorophenol	ND		0.434	1	01/12/2024 23:24	WG2204993
(S) 2-Fluorophenol	61.9		12.0-120		01/12/2024 23:24	WG2204993
(S) Phenol-d5	61.0		10.0-120		01/12/2024 23:24	WG2204993
(S) Nitrobenzene-d5	57.0		10.0-122		01/12/2024 23:24	WG2204993
(S) 2-Fluorobiphenyl	56.7		15.0-120		01/12/2024 23:24	WG2204993
(S) 2,4,6-Tribromophenol	53.4		10.0-127		01/12/2024 23:24	WG2204993
(S) p-Terphenyl-d14	63.2		10.0-120		01/12/2024 23:24	WG2204993

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.5		1	01/10/2024 16:40	WG2204685

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.26	1	01/11/2024 10:19	WG2204091

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0503	1	01/11/2024 11:44	WG2204809

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.77	5	01/28/2024 20:34	WG2204931
Arsenic	1.81		1.26	5	01/28/2024 20:34	WG2204931
Barium	52.6		3.14	5	01/28/2024 20:34	WG2204931
Beryllium	ND		3.14	5	01/28/2024 20:34	WG2204931
Cadmium	ND		1.26	5	01/28/2024 20:34	WG2204931
Chromium	18.8		6.29	5	01/28/2024 20:34	WG2204931
Cobalt	8.44		1.26	5	01/28/2024 20:34	WG2204931
Copper	13.9		6.29	5	01/28/2024 20:34	WG2204931
Lead	21.3		2.52	5	01/28/2024 20:34	WG2204931
Manganese	450		3.14	5	01/28/2024 20:34	WG2204931
Nickel	10.3		3.14	5	01/28/2024 20:34	WG2204931
Selenium	ND		3.14	5	01/28/2024 20:34	WG2204931
Silver	ND		0.629	5	01/28/2024 20:34	WG2204931
Thallium	ND		2.52	5	01/28/2024 20:34	WG2204931
Vanadium	22.9		3.14	5	01/28/2024 20:34	WG2204931
Zinc	50.5		31.4	5	01/28/2024 20:34	WG2204931

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0778	1	01/12/2024 04:35	WG2205771
Acrylonitrile	ND		0.0195	1	01/12/2024 04:35	WG2205771
Benzene	ND		0.00156	1	01/12/2024 04:35	WG2205771
Bromobenzene	ND		0.0195	1	01/12/2024 04:35	WG2205771
Bromodichloromethane	ND		0.00389	1	01/12/2024 04:35	WG2205771
Bromoform	ND		0.0389	1	01/12/2024 04:35	WG2205771
Bromomethane	ND		0.0195	1	01/12/2024 04:35	WG2205771
n-Butylbenzene	ND		0.0195	1	01/12/2024 04:35	WG2205771
sec-Butylbenzene	ND		0.0195	1	01/12/2024 04:35	WG2205771
tert-Butylbenzene	ND		0.00778	1	01/12/2024 04:35	WG2205771
Carbon tetrachloride	ND		0.00778	1	01/12/2024 04:35	WG2205771
Chlorobenzene	ND		0.00389	1	01/12/2024 04:35	WG2205771
Chlorodibromomethane	ND	J4	0.00389	1	01/12/2024 04:35	WG2205771
Chloroethane	ND		0.00778	1	01/12/2024 04:35	WG2205771
Chloroform	ND		0.00389	1	01/12/2024 04:35	WG2205771
Chloromethane	ND		0.0195	1	01/12/2024 04:35	WG2205771
2-Chlorotoluene	ND		0.00389	1	01/12/2024 04:35	WG2205771
4-Chlorotoluene	ND		0.00778	1	01/12/2024 04:35	WG2205771
1,2-Dibromo-3-Chloropropane	ND		0.0389	1	01/12/2024 04:35	WG2205771

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00389	1	01/12/2024 04:35	WG2205771
Dibromomethane	ND		0.00778	1	01/12/2024 04:35	WG2205771
1,2-Dichlorobenzene	ND		0.00778	1	01/12/2024 04:35	WG2205771
1,3-Dichlorobenzene	ND		0.00778	1	01/12/2024 04:35	WG2205771
1,4-Dichlorobenzene	ND		0.00778	1	01/12/2024 04:35	WG2205771
Dichlorodifluoromethane	ND		0.00778	1	01/12/2024 04:35	WG2205771
1,1-Dichloroethane	ND		0.00389	1	01/12/2024 04:35	WG2205771
1,2-Dichloroethane	ND		0.00389	1	01/12/2024 04:35	WG2205771
1,1-Dichloroethene	ND		0.00389	1	01/12/2024 04:35	WG2205771
cis-1,2-Dichloroethene	ND		0.00389	1	01/12/2024 04:35	WG2205771
trans-1,2-Dichloroethene	ND		0.00778	1	01/12/2024 04:35	WG2205771
1,2-Dichloropropane	ND		0.00778	1	01/12/2024 04:35	WG2205771
1,1-Dichloropropene	ND		0.00389	1	01/12/2024 04:35	WG2205771
1,3-Dichloropropane	ND		0.00778	1	01/12/2024 04:35	WG2205771
cis-1,3-Dichloropropene	ND		0.00389	1	01/12/2024 04:35	WG2205771
trans-1,3-Dichloropropene	ND		0.00778	1	01/12/2024 04:35	WG2205771
2,2-Dichloropropane	ND		0.00389	1	01/12/2024 04:35	WG2205771
Di-isopropyl ether	ND		0.00156	1	01/12/2024 04:35	WG2205771
Ethylbenzene	ND		0.00389	1	01/12/2024 04:35	WG2205771
Hexachloro-1,3-butadiene	ND		0.0389	1	01/12/2024 04:35	WG2205771
Isopropylbenzene	ND		0.00389	1	01/12/2024 04:35	WG2205771
p-Isopropyltoluene	ND		0.00778	1	01/12/2024 04:35	WG2205771
2-Butanone (MEK)	ND		0.156	1	01/12/2024 04:35	WG2205771
Methylene Chloride	ND		0.0389	1	01/12/2024 04:35	WG2205771
4-Methyl-2-pentanone (MIBK)	ND		0.0389	1	01/12/2024 04:35	WG2205771
Methyl tert-butyl ether	ND		0.00156	1	01/12/2024 04:35	WG2205771
Naphthalene	ND		0.0195	1	01/12/2024 04:35	WG2205771
n-Propylbenzene	ND		0.00778	1	01/12/2024 04:35	WG2205771
Styrene	ND		0.0195	1	01/12/2024 04:35	WG2205771
1,1,1,2-Tetrachloroethane	ND		0.00389	1	01/12/2024 04:35	WG2205771
1,1,2,2-Tetrachloroethane	ND		0.00389	1	01/12/2024 04:35	WG2205771
Tetrachloroethene	ND		0.00389	1	01/12/2024 04:35	WG2205771
Toluene	ND		0.00778	1	01/12/2024 04:35	WG2205771
1,2,3-Trichlorobenzene	ND		0.0195	1	01/12/2024 04:35	WG2205771
1,2,4-Trichlorobenzene	ND		0.0195	1	01/12/2024 04:35	WG2205771
1,1,1-Trichloroethane	ND		0.00389	1	01/12/2024 04:35	WG2205771
1,1,2-Trichloroethane	ND		0.00389	1	01/12/2024 04:35	WG2205771
Trichloroethene	ND	J4	0.00156	1	01/12/2024 04:35	WG2205771
Trichlorofluoromethane	ND		0.00389	1	01/12/2024 04:35	WG2205771
1,2,3-Trichloropropane	ND		0.0195	1	01/12/2024 04:35	WG2205771
1,2,4-Trimethylbenzene	ND		0.00778	1	01/12/2024 04:35	WG2205771
1,3,5-Trimethylbenzene	ND		0.00778	1	01/12/2024 04:35	WG2205771
Vinyl chloride	ND		0.00389	1	01/12/2024 04:35	WG2205771
Xylenes, Total	ND		0.0101	1	01/12/2024 04:35	WG2205771
(S) Toluene-d8	103		75.0-131		01/12/2024 04:35	WG2205771
(S) 4-Bromofluorobenzene	101		67.0-138		01/12/2024 04:35	WG2205771
(S) 1,2-Dichloroethane-d4	91.8		70.0-130		01/12/2024 04:35	WG2205771

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0419	1	01/19/2024 00:25	WG2204993
Acenaphthylene	ND		0.0419	1	01/19/2024 00:25	WG2204993
Anthracene	ND		0.0419	1	01/19/2024 00:25	WG2204993
Benzidine	ND		2.10	1	01/19/2024 00:25	WG2204993
Benzo(a)anthracene	0.150		0.0419	1	01/19/2024 00:25	WG2204993

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.366		0.0419	1	01/19/2024 00:25	WG2204993
Benzo(k)fluoranthene	0.114		0.0419	1	01/19/2024 00:25	WG2204993
Benzo(g,h,i)perylene	0.0819		0.0419	1	01/19/2024 00:25	WG2204993
Benzo(a)pyrene	0.181		0.0419	1	01/19/2024 00:25	WG2204993
Bis(2-chloroethoxy)methane	ND		0.419	1	01/19/2024 00:25	WG2204993
Bis(2-chloroethyl)ether	ND		0.419	1	01/19/2024 00:25	WG2204993
2,2-Oxybis(1-Chloropropane)	ND		0.419	1	01/19/2024 00:25	WG2204993
4-Bromophenyl-phenylether	ND		0.419	1	01/19/2024 00:25	WG2204993
2-Chloronaphthalene	ND		0.0419	1	01/19/2024 00:25	WG2204993
4-Chlorophenyl-phenylether	ND		0.419	1	01/19/2024 00:25	WG2204993
Chrysene	0.179		0.0419	1	01/19/2024 00:25	WG2204993
Dibenz(a,h)anthracene	ND		0.0419	1	01/19/2024 00:25	WG2204993
3,3-Dichlorobenzidine	ND		0.419	1	01/19/2024 00:25	WG2204993
2,4-Dinitrotoluene	ND		0.419	1	01/19/2024 00:25	WG2204993
2,6-Dinitrotoluene	ND		0.419	1	01/19/2024 00:25	WG2204993
Fluoranthene	0.379		0.0419	1	01/19/2024 00:25	WG2204993
Fluorene	ND		0.0419	1	01/19/2024 00:25	WG2204993
Hexachlorobenzene	ND		0.419	1	01/19/2024 00:25	WG2204993
Hexachloro-1,3-butadiene	ND		0.419	1	01/19/2024 00:25	WG2204993
Hexachlorocyclopentadiene	ND		0.419	1	01/19/2024 00:25	WG2204993
Hexachloroethane	ND		0.419	1	01/19/2024 00:25	WG2204993
Indeno(1,2,3-cd)pyrene	0.0872		0.0419	1	01/19/2024 00:25	WG2204993
Isophorone	ND		0.419	1	01/19/2024 00:25	WG2204993
Naphthalene	ND		0.0419	1	01/19/2024 00:25	WG2204993
Nitrobenzene	ND		0.419	1	01/19/2024 00:25	WG2204993
n-Nitrosodimethylamine	ND		0.419	1	01/19/2024 00:25	WG2204993
n-Nitrosodiphenylamine	ND		0.419	1	01/19/2024 00:25	WG2204993
n-Nitrosodi-n-propylamine	ND		0.419	1	01/19/2024 00:25	WG2204993
Phenanthrene	0.142		0.0419	1	01/19/2024 00:25	WG2204993
Benzylbutyl phthalate	ND		0.419	1	01/19/2024 00:25	WG2204993
Bis(2-ethylhexyl)phthalate	ND		0.419	1	01/19/2024 00:25	WG2204993
Di-n-butyl phthalate	ND		0.419	1	01/19/2024 00:25	WG2204993
Diethyl phthalate	ND		0.419	1	01/19/2024 00:25	WG2204993
Dimethyl phthalate	ND		0.419	1	01/19/2024 00:25	WG2204993
Di-n-octyl phthalate	ND		0.419	1	01/19/2024 00:25	WG2204993
Pyrene	0.338		0.0419	1	01/19/2024 00:25	WG2204993
1,2,4-Trichlorobenzene	ND		0.419	1	01/19/2024 00:25	WG2204993
4-Chloro-3-methylphenol	ND		0.419	1	01/19/2024 00:25	WG2204993
2-Chlorophenol	ND		0.419	1	01/19/2024 00:25	WG2204993
2,4-Dichlorophenol	ND		0.419	1	01/19/2024 00:25	WG2204993
2,4-Dimethylphenol	ND		0.419	1	01/19/2024 00:25	WG2204993
4,6-Dinitro-2-methylphenol	ND		0.419	1	01/19/2024 00:25	WG2204993
2,4-Dinitrophenol	ND		0.419	1	01/19/2024 00:25	WG2204993
2-Nitrophenol	ND		0.419	1	01/19/2024 00:25	WG2204993
4-Nitrophenol	ND		0.419	1	01/19/2024 00:25	WG2204993
Pentachlorophenol	ND		0.419	1	01/19/2024 00:25	WG2204993
Phenol	ND		0.419	1	01/19/2024 00:25	WG2204993
2,4,6-Trichlorophenol	ND		0.419	1	01/19/2024 00:25	WG2204993
(S) 2-Fluorophenol	58.5		12.0-120		01/19/2024 00:25	WG2204993
(S) Phenol-d5	54.2		10.0-120		01/19/2024 00:25	WG2204993
(S) Nitrobenzene-d5	51.7		10.0-122		01/19/2024 00:25	WG2204993
(S) 2-Fluorobiphenyl	41.4		15.0-120		01/19/2024 00:25	WG2204993
(S) 2,4,6-Tribromophenol	66.2		10.0-127		01/19/2024 00:25	WG2204993
(S) p-Terphenyl-d14	70.1		10.0-120		01/19/2024 00:25	WG2204993

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.5		1	01/10/2024 16:40	WG2204685

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.36	1	01/11/2024 10:32	WG2204091

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0819		0.0544	1	01/11/2024 11:46	WG2204809

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.08	5	01/28/2024 20:37	WG2204931
Arsenic	3.89		1.36	5	01/28/2024 20:37	WG2204931
Barium	82.7		3.40	5	01/28/2024 20:37	WG2204931
Beryllium	ND		3.40	5	01/28/2024 20:37	WG2204931
Cadmium	ND		1.36	5	01/28/2024 20:37	WG2204931
Chromium	28.8		6.80	5	01/28/2024 20:37	WG2204931
Cobalt	12.4		1.36	5	01/28/2024 20:37	WG2204931
Copper	22.8		6.80	5	01/28/2024 20:37	WG2204931
Lead	40.9		2.72	5	01/28/2024 20:37	WG2204931
Manganese	725		3.40	5	01/28/2024 20:37	WG2204931
Nickel	15.2		3.40	5	01/28/2024 20:37	WG2204931
Selenium	ND		3.40	5	01/28/2024 20:37	WG2204931
Silver	ND		0.680	5	01/28/2024 20:37	WG2204931
Thallium	ND		2.72	5	01/28/2024 20:37	WG2204931
Vanadium	41.8		3.40	5	01/28/2024 20:37	WG2204931
Zinc	55.3		34.0	5	01/28/2024 20:37	WG2204931

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0860	1	01/11/2024 20:59	WG2205793
Acrylonitrile	ND		0.0215	1	01/11/2024 20:59	WG2205793
Benzene	ND		0.00172	1	01/11/2024 20:59	WG2205793
Bromobenzene	ND		0.0215	1	01/11/2024 20:59	WG2205793
Bromodichloromethane	ND		0.00430	1	01/11/2024 20:59	WG2205793
Bromoform	ND		0.0430	1	01/11/2024 20:59	WG2205793
Bromomethane	ND		0.0215	1	01/11/2024 20:59	WG2205793
n-Butylbenzene	ND		0.0215	1	01/11/2024 20:59	WG2205793
sec-Butylbenzene	ND		0.0215	1	01/11/2024 20:59	WG2205793
tert-Butylbenzene	ND		0.00860	1	01/11/2024 20:59	WG2205793
Carbon tetrachloride	ND		0.00860	1	01/11/2024 20:59	WG2205793
Chlorobenzene	ND		0.00430	1	01/11/2024 20:59	WG2205793
Chlorodibromomethane	ND		0.00430	1	01/11/2024 20:59	WG2205793
Chloroethane	ND		0.00860	1	01/11/2024 20:59	WG2205793
Chloroform	ND		0.00430	1	01/11/2024 20:59	WG2205793
Chloromethane	ND	J3	0.0215	1	01/11/2024 20:59	WG2205793
2-Chlorotoluene	ND		0.00430	1	01/11/2024 20:59	WG2205793
4-Chlorotoluene	ND		0.00860	1	01/11/2024 20:59	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0430	1	01/11/2024 20:59	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00430	1	01/11/2024 20:59	WG2205793
Dibromomethane	ND		0.00860	1	01/11/2024 20:59	WG2205793
1,2-Dichlorobenzene	ND		0.00860	1	01/11/2024 20:59	WG2205793
1,3-Dichlorobenzene	ND		0.00860	1	01/11/2024 20:59	WG2205793
1,4-Dichlorobenzene	ND		0.00860	1	01/11/2024 20:59	WG2205793
Dichlorodifluoromethane	ND	J3	0.00860	1	01/11/2024 20:59	WG2205793
1,1-Dichloroethane	ND		0.00430	1	01/11/2024 20:59	WG2205793
1,2-Dichloroethane	ND		0.00430	1	01/11/2024 20:59	WG2205793
1,1-Dichloroethene	ND		0.00430	1	01/11/2024 20:59	WG2205793
cis-1,2-Dichloroethene	ND		0.00430	1	01/11/2024 20:59	WG2205793
trans-1,2-Dichloroethene	ND		0.00860	1	01/11/2024 20:59	WG2205793
1,2-Dichloropropane	ND		0.00860	1	01/11/2024 20:59	WG2205793
1,1-Dichloropropene	ND		0.00430	1	01/11/2024 20:59	WG2205793
1,3-Dichloropropane	ND		0.00860	1	01/11/2024 20:59	WG2205793
cis-1,3-Dichloropropene	ND		0.00430	1	01/11/2024 20:59	WG2205793
trans-1,3-Dichloropropene	ND		0.00860	1	01/11/2024 20:59	WG2205793
2,2-Dichloropropane	ND		0.00430	1	01/11/2024 20:59	WG2205793
Di-isopropyl ether	ND		0.00172	1	01/11/2024 20:59	WG2205793
Ethylbenzene	ND		0.00430	1	01/11/2024 20:59	WG2205793
Hexachloro-1,3-butadiene	ND		0.0430	1	01/11/2024 20:59	WG2205793
Isopropylbenzene	ND		0.00430	1	01/11/2024 20:59	WG2205793
p-Isopropyltoluene	0.0123		0.00860	1	01/11/2024 20:59	WG2205793
2-Butanone (MEK)	ND		0.172	1	01/11/2024 20:59	WG2205793
Methylene Chloride	ND		0.0430	1	01/11/2024 20:59	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0430	1	01/11/2024 20:59	WG2205793
Methyl tert-butyl ether	ND		0.00172	1	01/11/2024 20:59	WG2205793
Naphthalene	ND		0.0215	1	01/11/2024 20:59	WG2205793
n-Propylbenzene	ND		0.00860	1	01/11/2024 20:59	WG2205793
Styrene	ND		0.0215	1	01/11/2024 20:59	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00430	1	01/11/2024 20:59	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00430	1	01/11/2024 20:59	WG2205793
Tetrachloroethene	ND		0.00430	1	01/11/2024 20:59	WG2205793
Toluene	ND		0.00860	1	01/11/2024 20:59	WG2205793
1,2,3-Trichlorobenzene	ND		0.0215	1	01/11/2024 20:59	WG2205793
1,2,4-Trichlorobenzene	ND		0.0215	1	01/11/2024 20:59	WG2205793
1,1,1-Trichloroethane	ND		0.00430	1	01/11/2024 20:59	WG2205793
1,1,2-Trichloroethane	ND		0.00430	1	01/11/2024 20:59	WG2205793
Trichloroethene	ND		0.00172	1	01/11/2024 20:59	WG2205793
Trichlorofluoromethane	ND		0.00430	1	01/11/2024 20:59	WG2205793
1,2,3-Trichloropropane	ND		0.0215	1	01/11/2024 20:59	WG2205793
1,2,4-Trimethylbenzene	ND		0.00860	1	01/11/2024 20:59	WG2205793
1,3,5-Trimethylbenzene	ND		0.00860	1	01/11/2024 20:59	WG2205793
Vinyl chloride	ND		0.00430	1	01/11/2024 20:59	WG2205793
Xylenes, Total	ND		0.0112	1	01/11/2024 20:59	WG2205793
(S) Toluene-d8	98.3		75.0-131		01/11/2024 20:59	WG2205793
(S) 4-Bromofluorobenzene	108		67.0-138		01/11/2024 20:59	WG2205793
(S) 1,2-Dichloroethane-d4	85.6		70.0-130		01/11/2024 20:59	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0453	1	01/13/2024 01:28	WG2204993
Acenaphthylene	ND		0.0453	1	01/13/2024 01:28	WG2204993
Anthracene	ND		0.0453	1	01/13/2024 01:28	WG2204993
Benzidine	ND		2.27	1	01/13/2024 01:28	WG2204993
Benzo(a)anthracene	0.0906		0.0453	1	01/13/2024 01:28	WG2204993

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.122		0.0453	1	01/13/2024 01:28	WG2204993
Benzo(k)fluoranthene	ND		0.0453	1	01/13/2024 01:28	WG2204993
Benzo(g,h,i)perylene	ND		0.0453	1	01/13/2024 01:28	WG2204993
Benzo(a)pyrene	0.0830		0.0453	1	01/13/2024 01:28	WG2204993
Bis(2-chloroethoxy)methane	ND		0.453	1	01/13/2024 01:28	WG2204993
Bis(2-chloroethyl)ether	ND		0.453	1	01/13/2024 01:28	WG2204993
2,2-Oxybis(1-Chloropropane)	ND		0.453	1	01/13/2024 01:28	WG2204993
4-Bromophenyl-phenylether	ND		0.453	1	01/13/2024 01:28	WG2204993
2-Chloronaphthalene	ND		0.0453	1	01/13/2024 01:28	WG2204993
4-Chlorophenyl-phenylether	ND		0.453	1	01/13/2024 01:28	WG2204993
Chrysene	0.0968		0.0453	1	01/13/2024 01:28	WG2204993
Dibenz(a,h)anthracene	ND		0.0453	1	01/13/2024 01:28	WG2204993
3,3-Dichlorobenzidine	ND		0.453	1	01/13/2024 01:28	WG2204993
2,4-Dinitrotoluene	ND		0.453	1	01/13/2024 01:28	WG2204993
2,6-Dinitrotoluene	ND		0.453	1	01/13/2024 01:28	WG2204993
Fluoranthene	0.193		0.0453	1	01/13/2024 01:28	WG2204993
Fluorene	ND		0.0453	1	01/13/2024 01:28	WG2204993
Hexachlorobenzene	ND		0.453	1	01/13/2024 01:28	WG2204993
Hexachloro-1,3-butadiene	ND		0.453	1	01/13/2024 01:28	WG2204993
Hexachlorocyclopentadiene	ND		0.453	1	01/13/2024 01:28	WG2204993
Hexachloroethane	ND		0.453	1	01/13/2024 01:28	WG2204993
Indeno(1,2,3-cd)pyrene	ND		0.0453	1	01/13/2024 01:28	WG2204993
Isophorone	ND		0.453	1	01/13/2024 01:28	WG2204993
Naphthalene	ND		0.0453	1	01/13/2024 01:28	WG2204993
Nitrobenzene	ND		0.453	1	01/13/2024 01:28	WG2204993
n-Nitrosodimethylamine	ND		0.453	1	01/13/2024 01:28	WG2204993
n-Nitrosodiphenylamine	ND		0.453	1	01/13/2024 01:28	WG2204993
n-Nitrosodi-n-propylamine	ND		0.453	1	01/13/2024 01:28	WG2204993
Phenanthrene	0.0759		0.0453	1	01/13/2024 01:28	WG2204993
Benzylbutyl phthalate	ND		0.453	1	01/13/2024 01:28	WG2204993
Bis(2-ethylhexyl)phthalate	ND		0.453	1	01/13/2024 01:28	WG2204993
Di-n-butyl phthalate	ND		0.453	1	01/13/2024 01:28	WG2204993
Diethyl phthalate	ND		0.453	1	01/13/2024 01:28	WG2204993
Dimethyl phthalate	ND		0.453	1	01/13/2024 01:28	WG2204993
Di-n-octyl phthalate	ND		0.453	1	01/13/2024 01:28	WG2204993
Pyrene	0.175		0.0453	1	01/13/2024 01:28	WG2204993
1,2,4-Trichlorobenzene	ND		0.453	1	01/13/2024 01:28	WG2204993
4-Chloro-3-methylphenol	ND		0.453	1	01/13/2024 01:28	WG2204993
2-Chlorophenol	ND		0.453	1	01/13/2024 01:28	WG2204993
2,4-Dichlorophenol	ND		0.453	1	01/13/2024 01:28	WG2204993
2,4-Dimethylphenol	ND		0.453	1	01/13/2024 01:28	WG2204993
4,6-Dinitro-2-methylphenol	ND		0.453	1	01/13/2024 01:28	WG2204993
2,4-Dinitrophenol	ND		0.453	1	01/13/2024 01:28	WG2204993
2-Nitrophenol	ND		0.453	1	01/13/2024 01:28	WG2204993
4-Nitrophenol	ND		0.453	1	01/13/2024 01:28	WG2204993
Pentachlorophenol	ND		0.453	1	01/13/2024 01:28	WG2204993
Phenol	ND		0.453	1	01/13/2024 01:28	WG2204993
2,4,6-Trichlorophenol	ND		0.453	1	01/13/2024 01:28	WG2204993
(S) 2-Fluorophenol	61.9		12.0-120		01/13/2024 01:28	WG2204993
(S) Phenol-d5	60.1		10.0-120		01/13/2024 01:28	WG2204993
(S) Nitrobenzene-d5	56.5		10.0-122		01/13/2024 01:28	WG2204993
(S) 2-Fluorobiphenyl	55.9		15.0-120		01/13/2024 01:28	WG2204993
(S) 2,4,6-Tribromophenol	53.5		10.0-127		01/13/2024 01:28	WG2204993
(S) p-Terphenyl-d14	58.9		10.0-120		01/13/2024 01:28	WG2204993

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.1		1	01/10/2024 16:40	WG2204685

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.19	1	01/11/2024 10:38	WG2204091

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0475	1	01/11/2024 10:27	WG2204736

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.57	5	01/28/2024 20:40	WG2204931
Arsenic	1.48		1.19	5	01/28/2024 20:40	WG2204931
Barium	38.3		2.97	5	01/28/2024 20:40	WG2204931
Beryllium	ND		2.97	5	01/28/2024 20:40	WG2204931
Cadmium	ND		1.19	5	01/28/2024 20:40	WG2204931
Chromium	9.84		5.94	5	01/28/2024 20:40	WG2204931
Cobalt	7.46		1.19	5	01/28/2024 20:40	WG2204931
Copper	18.9		5.94	5	01/28/2024 20:40	WG2204931
Lead	17.5		2.38	5	01/28/2024 20:40	WG2204931
Manganese	287		2.97	5	01/28/2024 20:40	WG2204931
Nickel	11.8		2.97	5	01/28/2024 20:40	WG2204931
Selenium	ND		2.97	5	01/28/2024 20:40	WG2204931
Silver	ND		0.594	5	01/28/2024 20:40	WG2204931
Thallium	ND		2.38	5	01/28/2024 20:40	WG2204931
Vanadium	18.3		2.97	5	01/28/2024 20:40	WG2204931
Zinc	ND		29.7	5	01/28/2024 20:40	WG2204931

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0719	1.05	01/11/2024 21:18	WG2205793
Acrylonitrile	ND		0.0179	1.05	01/11/2024 21:18	WG2205793
Benzene	ND		0.00144	1.05	01/11/2024 21:18	WG2205793
Bromobenzene	ND		0.0179	1.05	01/11/2024 21:18	WG2205793
Bromodichloromethane	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
Bromoform	ND		0.0360	1.05	01/11/2024 21:18	WG2205793
Bromomethane	ND		0.0179	1.05	01/11/2024 21:18	WG2205793
n-Butylbenzene	ND		0.0179	1.05	01/11/2024 21:18	WG2205793
sec-Butylbenzene	ND		0.0179	1.05	01/11/2024 21:18	WG2205793
tert-Butylbenzene	ND		0.00719	1.05	01/11/2024 21:18	WG2205793
Carbon tetrachloride	ND		0.00719	1.05	01/11/2024 21:18	WG2205793
Chlorobenzene	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
Chlorodibromomethane	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
Chloroethane	ND		0.00719	1.05	01/11/2024 21:18	WG2205793
Chloroform	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
Chloromethane	ND	J3	0.0179	1.05	01/11/2024 21:18	WG2205793
2-Chlorotoluene	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
4-Chlorotoluene	ND		0.00719	1.05	01/11/2024 21:18	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0360	1.05	01/11/2024 21:18	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
Dibromomethane	ND		0.00719	1.05	01/11/2024 21:18	WG2205793
1,2-Dichlorobenzene	ND		0.00719	1.05	01/11/2024 21:18	WG2205793
1,3-Dichlorobenzene	ND		0.00719	1.05	01/11/2024 21:18	WG2205793
1,4-Dichlorobenzene	ND		0.00719	1.05	01/11/2024 21:18	WG2205793
Dichlorodifluoromethane	ND	J3	0.00719	1.05	01/11/2024 21:18	WG2205793
1,1-Dichloroethane	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
1,2-Dichloroethane	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
1,1-Dichloroethene	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
cis-1,2-Dichloroethene	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
trans-1,2-Dichloroethene	ND		0.00719	1.05	01/11/2024 21:18	WG2205793
1,2-Dichloropropane	ND		0.00719	1.05	01/11/2024 21:18	WG2205793
1,1-Dichloropropene	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
1,3-Dichloropropane	ND		0.00719	1.05	01/11/2024 21:18	WG2205793
cis-1,3-Dichloropropene	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
trans-1,3-Dichloropropene	ND		0.00719	1.05	01/11/2024 21:18	WG2205793
2,2-Dichloropropane	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
Di-isopropyl ether	ND		0.00144	1.05	01/11/2024 21:18	WG2205793
Ethylbenzene	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
Hexachloro-1,3-butadiene	ND		0.0360	1.05	01/11/2024 21:18	WG2205793
Isopropylbenzene	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
p-Isopropyltoluene	ND		0.00719	1.05	01/11/2024 21:18	WG2205793
2-Butanone (MEK)	ND		0.144	1.05	01/11/2024 21:18	WG2205793
Methylene Chloride	ND		0.0360	1.05	01/11/2024 21:18	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0360	1.05	01/11/2024 21:18	WG2205793
Methyl tert-butyl ether	ND		0.00144	1.05	01/11/2024 21:18	WG2205793
Naphthalene	ND		0.0179	1.05	01/11/2024 21:18	WG2205793
n-Propylbenzene	ND		0.00719	1.05	01/11/2024 21:18	WG2205793
Styrene	ND		0.0179	1.05	01/11/2024 21:18	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
Tetrachloroethene	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
Toluene	ND		0.00719	1.05	01/11/2024 21:18	WG2205793
1,2,3-Trichlorobenzene	ND		0.0179	1.05	01/11/2024 21:18	WG2205793
1,2,4-Trichlorobenzene	ND		0.0179	1.05	01/11/2024 21:18	WG2205793
1,1,1-Trichloroethane	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
1,1,2-Trichloroethane	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
Trichloroethene	ND		0.00144	1.05	01/11/2024 21:18	WG2205793
Trichlorofluoromethane	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
1,2,3-Trichloropropane	ND		0.0179	1.05	01/11/2024 21:18	WG2205793
1,2,4-Trimethylbenzene	ND		0.00719	1.05	01/11/2024 21:18	WG2205793
1,3,5-Trimethylbenzene	ND		0.00719	1.05	01/11/2024 21:18	WG2205793
Vinyl chloride	ND		0.00360	1.05	01/11/2024 21:18	WG2205793
Xylenes, Total	ND		0.00935	1.05	01/11/2024 21:18	WG2205793
(S) Toluene-d8	99.6		75.0-131		01/11/2024 21:18	WG2205793
(S) 4-Bromofluorobenzene	109		67.0-138		01/11/2024 21:18	WG2205793
(S) 1,2-Dichloroethane-d4	82.9		70.0-130		01/11/2024 21:18	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0396	1	01/12/2024 22:35	WG2204993
Acenaphthylene	ND		0.0396	1	01/12/2024 22:35	WG2204993
Anthracene	ND		0.0396	1	01/12/2024 22:35	WG2204993
Benzidine	ND		1.99	1	01/12/2024 22:35	WG2204993
Benzo(a)anthracene	ND		0.0396	1	01/12/2024 22:35	WG2204993

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0396	1	01/12/2024 22:35	WG2204993
Benzo(k)fluoranthene	ND		0.0396	1	01/12/2024 22:35	WG2204993
Benzo(g,h,i)perylene	ND		0.0396	1	01/12/2024 22:35	WG2204993
Benzo(a)pyrene	ND		0.0396	1	01/12/2024 22:35	WG2204993
Bis(2-chloroethoxy)methane	ND		0.396	1	01/12/2024 22:35	WG2204993
Bis(2-chloroethyl)ether	ND		0.396	1	01/12/2024 22:35	WG2204993
2,2-Oxybis(1-Chloropropane)	ND		0.396	1	01/12/2024 22:35	WG2204993
4-Bromophenyl-phenylether	ND		0.396	1	01/12/2024 22:35	WG2204993
2-Chloronaphthalene	ND		0.0396	1	01/12/2024 22:35	WG2204993
4-Chlorophenyl-phenylether	ND		0.396	1	01/12/2024 22:35	WG2204993
Chrysene	ND		0.0396	1	01/12/2024 22:35	WG2204993
Dibenz(a,h)anthracene	ND		0.0396	1	01/12/2024 22:35	WG2204993
3,3-Dichlorobenzidine	ND		0.396	1	01/12/2024 22:35	WG2204993
2,4-Dinitrotoluene	ND		0.396	1	01/12/2024 22:35	WG2204993
2,6-Dinitrotoluene	ND		0.396	1	01/12/2024 22:35	WG2204993
Fluoranthene	ND		0.0396	1	01/12/2024 22:35	WG2204993
Fluorene	ND		0.0396	1	01/12/2024 22:35	WG2204993
Hexachlorobenzene	ND		0.396	1	01/12/2024 22:35	WG2204993
Hexachloro-1,3-butadiene	ND		0.396	1	01/12/2024 22:35	WG2204993
Hexachlorocyclopentadiene	ND		0.396	1	01/12/2024 22:35	WG2204993
Hexachloroethane	ND		0.396	1	01/12/2024 22:35	WG2204993
Indeno(1,2,3-cd)pyrene	ND		0.0396	1	01/12/2024 22:35	WG2204993
Isophorone	ND		0.396	1	01/12/2024 22:35	WG2204993
Naphthalene	ND		0.0396	1	01/12/2024 22:35	WG2204993
Nitrobenzene	ND		0.396	1	01/12/2024 22:35	WG2204993
n-Nitrosodimethylamine	ND		0.396	1	01/12/2024 22:35	WG2204993
n-Nitrosodiphenylamine	ND		0.396	1	01/12/2024 22:35	WG2204993
n-Nitrosodi-n-propylamine	ND		0.396	1	01/12/2024 22:35	WG2204993
Phenanthrene	ND		0.0396	1	01/12/2024 22:35	WG2204993
Benzylbutyl phthalate	ND		0.396	1	01/12/2024 22:35	WG2204993
Bis(2-ethylhexyl)phthalate	ND		0.396	1	01/12/2024 22:35	WG2204993
Di-n-butyl phthalate	ND		0.396	1	01/12/2024 22:35	WG2204993
Diethyl phthalate	ND		0.396	1	01/12/2024 22:35	WG2204993
Dimethyl phthalate	ND		0.396	1	01/12/2024 22:35	WG2204993
Di-n-octyl phthalate	ND		0.396	1	01/12/2024 22:35	WG2204993
Pyrene	ND		0.0396	1	01/12/2024 22:35	WG2204993
1,2,4-Trichlorobenzene	ND		0.396	1	01/12/2024 22:35	WG2204993
4-Chloro-3-methylphenol	ND		0.396	1	01/12/2024 22:35	WG2204993
2-Chlorophenol	ND		0.396	1	01/12/2024 22:35	WG2204993
2,4-Dichlorophenol	ND		0.396	1	01/12/2024 22:35	WG2204993
2,4-Dimethylphenol	ND		0.396	1	01/12/2024 22:35	WG2204993
4,6-Dinitro-2-methylphenol	ND		0.396	1	01/12/2024 22:35	WG2204993
2,4-Dinitrophenol	ND		0.396	1	01/12/2024 22:35	WG2204993
2-Nitrophenol	ND		0.396	1	01/12/2024 22:35	WG2204993
4-Nitrophenol	ND		0.396	1	01/12/2024 22:35	WG2204993
Pentachlorophenol	ND		0.396	1	01/12/2024 22:35	WG2204993
Phenol	ND		0.396	1	01/12/2024 22:35	WG2204993
2,4,6-Trichlorophenol	ND		0.396	1	01/12/2024 22:35	WG2204993
(S) 2-Fluorophenol	64.6		12.0-120		01/12/2024 22:35	WG2204993
(S) Phenol-d5	64.3		10.0-120		01/12/2024 22:35	WG2204993
(S) Nitrobenzene-d5	59.0		10.0-122		01/12/2024 22:35	WG2204993
(S) 2-Fluorobiphenyl	61.2		15.0-120		01/12/2024 22:35	WG2204993
(S) 2,4,6-Tribromophenol	58.2		10.0-127		01/12/2024 22:35	WG2204993
(S) p-Terphenyl-d14	67.7		10.0-120		01/12/2024 22:35	WG2204993

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.7		1	01/10/2024 16:28	WG2204686

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.21	1	01/11/2024 10:44	WG2204091

Mercury by Method 7471B

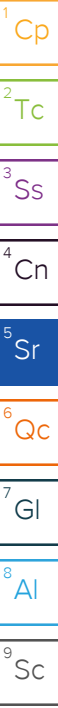
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0484	1	01/11/2024 10:35	WG2204736

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.63	5	01/28/2024 20:43	WG2204931
Arsenic	1.42		1.21	5	01/28/2024 20:43	WG2204931
Barium	55.6		3.02	5	01/28/2024 20:43	WG2204931
Beryllium	ND		3.02	5	01/28/2024 20:43	WG2204931
Cadmium	ND		1.21	5	01/28/2024 20:43	WG2204931
Chromium	10.4		6.05	5	01/28/2024 20:43	WG2204931
Cobalt	16.2		1.21	5	01/28/2024 20:43	WG2204931
Copper	31.3		6.05	5	01/28/2024 20:43	WG2204931
Lead	38.4		2.42	5	01/28/2024 20:43	WG2204931
Manganese	673		3.02	5	01/28/2024 20:43	WG2204931
Nickel	9.43		3.02	5	01/28/2024 20:43	WG2204931
Selenium	ND		3.02	5	01/28/2024 20:43	WG2204931
Silver	ND		0.605	5	01/28/2024 20:43	WG2204931
Thallium	ND		2.42	5	01/28/2024 20:43	WG2204931
Vanadium	22.0		3.02	5	01/28/2024 20:43	WG2204931
Zinc	31.4		30.2	5	01/28/2024 20:43	WG2204931

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0749	1	01/11/2024 21:37	WG2205793
Acrylonitrile	ND		0.0187	1	01/11/2024 21:37	WG2205793
Benzene	ND		0.00150	1	01/11/2024 21:37	WG2205793
Bromobenzene	ND		0.0187	1	01/11/2024 21:37	WG2205793
Bromodichloromethane	ND		0.00374	1	01/11/2024 21:37	WG2205793
Bromoform	ND		0.0374	1	01/11/2024 21:37	WG2205793
Bromomethane	ND		0.0187	1	01/11/2024 21:37	WG2205793
n-Butylbenzene	ND		0.0187	1	01/11/2024 21:37	WG2205793
sec-Butylbenzene	ND		0.0187	1	01/11/2024 21:37	WG2205793
tert-Butylbenzene	ND		0.00749	1	01/11/2024 21:37	WG2205793
Carbon tetrachloride	ND		0.00749	1	01/11/2024 21:37	WG2205793
Chlorobenzene	ND		0.00374	1	01/11/2024 21:37	WG2205793
Chlorodibromomethane	ND		0.00374	1	01/11/2024 21:37	WG2205793
Chloroethane	ND		0.00749	1	01/11/2024 21:37	WG2205793
Chloroform	ND		0.00374	1	01/11/2024 21:37	WG2205793
Chloromethane	ND	J3	0.0187	1	01/11/2024 21:37	WG2205793
2-Chlorotoluene	ND		0.00374	1	01/11/2024 21:37	WG2205793
4-Chlorotoluene	ND		0.00749	1	01/11/2024 21:37	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0374	1	01/11/2024 21:37	WG2205793



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00374	1	01/11/2024 21:37	WG2205793
Dibromomethane	ND		0.00749	1	01/11/2024 21:37	WG2205793
1,2-Dichlorobenzene	ND		0.00749	1	01/11/2024 21:37	WG2205793
1,3-Dichlorobenzene	ND		0.00749	1	01/11/2024 21:37	WG2205793
1,4-Dichlorobenzene	ND		0.00749	1	01/11/2024 21:37	WG2205793
Dichlorodifluoromethane	ND	J3	0.00749	1	01/11/2024 21:37	WG2205793
1,1-Dichloroethane	ND		0.00374	1	01/11/2024 21:37	WG2205793
1,2-Dichloroethane	ND		0.00374	1	01/11/2024 21:37	WG2205793
1,1-Dichloroethene	ND		0.00374	1	01/11/2024 21:37	WG2205793
cis-1,2-Dichloroethene	ND		0.00374	1	01/11/2024 21:37	WG2205793
trans-1,2-Dichloroethene	ND		0.00749	1	01/11/2024 21:37	WG2205793
1,2-Dichloropropane	ND		0.00749	1	01/11/2024 21:37	WG2205793
1,1-Dichloropropene	ND		0.00374	1	01/11/2024 21:37	WG2205793
1,3-Dichloropropane	ND		0.00749	1	01/11/2024 21:37	WG2205793
cis-1,3-Dichloropropene	ND		0.00374	1	01/11/2024 21:37	WG2205793
trans-1,3-Dichloropropene	ND		0.00749	1	01/11/2024 21:37	WG2205793
2,2-Dichloropropane	ND		0.00374	1	01/11/2024 21:37	WG2205793
Di-isopropyl ether	ND		0.00150	1	01/11/2024 21:37	WG2205793
Ethylbenzene	ND		0.00374	1	01/11/2024 21:37	WG2205793
Hexachloro-1,3-butadiene	ND		0.0374	1	01/11/2024 21:37	WG2205793
Isopropylbenzene	ND		0.00374	1	01/11/2024 21:37	WG2205793
p-Isopropyltoluene	ND		0.00749	1	01/11/2024 21:37	WG2205793
2-Butanone (MEK)	ND		0.150	1	01/11/2024 21:37	WG2205793
Methylene Chloride	ND		0.0374	1	01/11/2024 21:37	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0374	1	01/11/2024 21:37	WG2205793
Methyl tert-butyl ether	ND		0.00150	1	01/11/2024 21:37	WG2205793
Naphthalene	ND		0.0187	1	01/11/2024 21:37	WG2205793
n-Propylbenzene	ND		0.00749	1	01/11/2024 21:37	WG2205793
Styrene	ND		0.0187	1	01/11/2024 21:37	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00374	1	01/11/2024 21:37	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00374	1	01/11/2024 21:37	WG2205793
Tetrachloroethene	ND		0.00374	1	01/11/2024 21:37	WG2205793
Toluene	ND		0.00749	1	01/11/2024 21:37	WG2205793
1,2,3-Trichlorobenzene	ND		0.0187	1	01/11/2024 21:37	WG2205793
1,2,4-Trichlorobenzene	ND		0.0187	1	01/11/2024 21:37	WG2205793
1,1,1-Trichloroethane	ND		0.00374	1	01/11/2024 21:37	WG2205793
1,1,2-Trichloroethane	ND		0.00374	1	01/11/2024 21:37	WG2205793
Trichloroethene	ND		0.00150	1	01/11/2024 21:37	WG2205793
Trichlorofluoromethane	ND		0.00374	1	01/11/2024 21:37	WG2205793
1,2,3-Trichloropropane	ND		0.0187	1	01/11/2024 21:37	WG2205793
1,2,4-Trimethylbenzene	ND		0.00749	1	01/11/2024 21:37	WG2205793
1,3,5-Trimethylbenzene	ND		0.00749	1	01/11/2024 21:37	WG2205793
Vinyl chloride	ND		0.00374	1	01/11/2024 21:37	WG2205793
Xylenes, Total	ND		0.00973	1	01/11/2024 21:37	WG2205793
(S) Toluene-d8	99.8		75.0-131		01/11/2024 21:37	WG2205793
(S) 4-Bromofluorobenzene	108		67.0-138		01/11/2024 21:37	WG2205793
(S) 1,2-Dichloroethane-d4	89.0		70.0-130		01/11/2024 21:37	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	0.0438		0.0403	1	01/13/2024 01:53	WG2204993
Acenaphthylene	0.104		0.0403	1	01/13/2024 01:53	WG2204993
Anthracene	0.189		0.0403	1	01/13/2024 01:53	WG2204993
Benzidine	ND		2.02	1	01/13/2024 01:53	WG2204993
Benzo(a)anthracene	0.662		0.0403	1	01/13/2024 01:53	WG2204993

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	1.03		0.0403	1	01/13/2024 01:53	WG2204993
Benzo(k)fluoranthene	0.313		0.0403	1	01/13/2024 01:53	WG2204993
Benzo(g,h,i)perylene	0.324		0.0403	1	01/13/2024 01:53	WG2204993
Benzo(a)pyrene	0.743		0.0403	1	01/13/2024 01:53	WG2204993
Bis(2-chloroethoxy)methane	ND		0.403	1	01/13/2024 01:53	WG2204993
Bis(2-chloroethyl)ether	ND		0.403	1	01/13/2024 01:53	WG2204993
2,2-Oxybis(1-Chloropropane)	ND		0.403	1	01/13/2024 01:53	WG2204993
4-Bromophenyl-phenylether	ND		0.403	1	01/13/2024 01:53	WG2204993
2-Chloronaphthalene	ND		0.0403	1	01/13/2024 01:53	WG2204993
4-Chlorophenyl-phenylether	ND		0.403	1	01/13/2024 01:53	WG2204993
Chrysene	0.679		0.0403	1	01/13/2024 01:53	WG2204993
Dibenz(a,h)anthracene	0.0842		0.0403	1	01/13/2024 01:53	WG2204993
3,3-Dichlorobenzidine	ND		0.403	1	01/13/2024 01:53	WG2204993
2,4-Dinitrotoluene	ND		0.403	1	01/13/2024 01:53	WG2204993
2,6-Dinitrotoluene	ND		0.403	1	01/13/2024 01:53	WG2204993
Fluoranthene	1.52		0.0403	1	01/13/2024 01:53	WG2204993
Fluorene	0.0751		0.0403	1	01/13/2024 01:53	WG2204993
Hexachlorobenzene	ND		0.403	1	01/13/2024 01:53	WG2204993
Hexachloro-1,3-butadiene	ND		0.403	1	01/13/2024 01:53	WG2204993
Hexachlorocyclopentadiene	ND		0.403	1	01/13/2024 01:53	WG2204993
Hexachloroethane	ND		0.403	1	01/13/2024 01:53	WG2204993
Indeno(1,2,3-cd)pyrene	0.374		0.0403	1	01/13/2024 01:53	WG2204993
Isophorone	ND		0.403	1	01/13/2024 01:53	WG2204993
Naphthalene	ND		0.0403	1	01/13/2024 01:53	WG2204993
Nitrobenzene	ND		0.403	1	01/13/2024 01:53	WG2204993
n-Nitrosodimethylamine	ND		0.403	1	01/13/2024 01:53	WG2204993
n-Nitrosodiphenylamine	ND		0.403	1	01/13/2024 01:53	WG2204993
n-Nitrosodi-n-propylamine	ND		0.403	1	01/13/2024 01:53	WG2204993
Phenanthrene	0.928		0.0403	1	01/13/2024 01:53	WG2204993
Benzylbutyl phthalate	ND		0.403	1	01/13/2024 01:53	WG2204993
Bis(2-ethylhexyl)phthalate	ND		0.403	1	01/13/2024 01:53	WG2204993
Di-n-butyl phthalate	ND		0.403	1	01/13/2024 01:53	WG2204993
Diethyl phthalate	ND		0.403	1	01/13/2024 01:53	WG2204993
Dimethyl phthalate	ND		0.403	1	01/13/2024 01:53	WG2204993
Di-n-octyl phthalate	ND		0.403	1	01/13/2024 01:53	WG2204993
Pyrene	1.33		0.0403	1	01/13/2024 01:53	WG2204993
1,2,4-Trichlorobenzene	ND		0.403	1	01/13/2024 01:53	WG2204993
4-Chloro-3-methylphenol	ND		0.403	1	01/13/2024 01:53	WG2204993
2-Chlorophenol	ND		0.403	1	01/13/2024 01:53	WG2204993
2,4-Dichlorophenol	ND		0.403	1	01/13/2024 01:53	WG2204993
2,4-Dimethylphenol	ND		0.403	1	01/13/2024 01:53	WG2204993
4,6-Dinitro-2-methylphenol	ND		0.403	1	01/13/2024 01:53	WG2204993
2,4-Dinitrophenol	ND		0.403	1	01/13/2024 01:53	WG2204993
2-Nitrophenol	ND		0.403	1	01/13/2024 01:53	WG2204993
4-Nitrophenol	ND		0.403	1	01/13/2024 01:53	WG2204993
Pentachlorophenol	ND		0.403	1	01/13/2024 01:53	WG2204993
Phenol	ND		0.403	1	01/13/2024 01:53	WG2204993
2,4,6-Trichlorophenol	ND		0.403	1	01/13/2024 01:53	WG2204993
(S) 2-Fluorophenol	65.5		12.0-120		01/13/2024 01:53	WG2204993
(S) Phenol-d5	63.7		10.0-120		01/13/2024 01:53	WG2204993
(S) Nitrobenzene-d5	60.8		10.0-122		01/13/2024 01:53	WG2204993
(S) 2-Fluorobiphenyl	59.6		15.0-120		01/13/2024 01:53	WG2204993
(S) 2,4,6-Tribromophenol	59.0		10.0-127		01/13/2024 01:53	WG2204993
(S) p-Terphenyl-d14	65.1		10.0-120		01/13/2024 01:53	WG2204993

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.4		1	01/10/2024 16:28	WG2204686

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	2.30		1.20	1	01/11/2024 10:50	WG2204091

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0480	1	01/11/2024 10:37	WG2204736

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.60	5	01/28/2024 20:47	WG2204931
Arsenic	1.53		1.20	5	01/28/2024 20:47	WG2204931
Barium	57.3		3.00	5	01/28/2024 20:47	WG2204931
Beryllium	ND		3.00	5	01/28/2024 20:47	WG2204931
Cadmium	ND		1.20	5	01/28/2024 20:47	WG2204931
Chromium	22.7		6.00	5	01/28/2024 20:47	WG2204931
Cobalt	10.7		1.20	5	01/28/2024 20:47	WG2204931
Copper	16.1		6.00	5	01/28/2024 20:47	WG2204931
Lead	23.7		2.40	5	01/28/2024 20:47	WG2204931
Manganese	394		3.00	5	01/28/2024 20:47	WG2204931
Nickel	14.3		3.00	5	01/28/2024 20:47	WG2204931
Selenium	ND		3.00	5	01/28/2024 20:47	WG2204931
Silver	ND		0.600	5	01/28/2024 20:47	WG2204931
Thallium	ND		2.40	5	01/28/2024 20:47	WG2204931
Vanadium	30.2		3.00	5	01/28/2024 20:47	WG2204931
Zinc	ND		30.0	5	01/28/2024 20:47	WG2204931

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0711	1	01/11/2024 21:56	WG2205793
Acrylonitrile	ND		0.0178	1	01/11/2024 21:56	WG2205793
Benzene	ND		0.00142	1	01/11/2024 21:56	WG2205793
Bromobenzene	ND		0.0178	1	01/11/2024 21:56	WG2205793
Bromodichloromethane	ND		0.00355	1	01/11/2024 21:56	WG2205793
Bromoform	ND		0.0355	1	01/11/2024 21:56	WG2205793
Bromomethane	ND		0.0178	1	01/11/2024 21:56	WG2205793
n-Butylbenzene	ND		0.0178	1	01/11/2024 21:56	WG2205793
sec-Butylbenzene	ND		0.0178	1	01/11/2024 21:56	WG2205793
tert-Butylbenzene	ND		0.00711	1	01/11/2024 21:56	WG2205793
Carbon tetrachloride	ND		0.00711	1	01/11/2024 21:56	WG2205793
Chlorobenzene	ND		0.00355	1	01/11/2024 21:56	WG2205793
Chlorodibromomethane	ND		0.00355	1	01/11/2024 21:56	WG2205793
Chloroethane	ND		0.00711	1	01/11/2024 21:56	WG2205793
Chloroform	ND		0.00355	1	01/11/2024 21:56	WG2205793
Chloromethane	ND	J3	0.0178	1	01/11/2024 21:56	WG2205793
2-Chlorotoluene	ND		0.00355	1	01/11/2024 21:56	WG2205793
4-Chlorotoluene	ND		0.00711	1	01/11/2024 21:56	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0355	1	01/11/2024 21:56	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00355	1	01/11/2024 21:56	WG2205793
Dibromomethane	ND		0.00711	1	01/11/2024 21:56	WG2205793
1,2-Dichlorobenzene	ND		0.00711	1	01/11/2024 21:56	WG2205793
1,3-Dichlorobenzene	ND		0.00711	1	01/11/2024 21:56	WG2205793
1,4-Dichlorobenzene	ND		0.00711	1	01/11/2024 21:56	WG2205793
Dichlorodifluoromethane	ND	J3	0.00711	1	01/11/2024 21:56	WG2205793
1,1-Dichloroethane	ND		0.00355	1	01/11/2024 21:56	WG2205793
1,2-Dichloroethane	ND		0.00355	1	01/11/2024 21:56	WG2205793
1,1-Dichloroethene	ND		0.00355	1	01/11/2024 21:56	WG2205793
cis-1,2-Dichloroethene	ND		0.00355	1	01/11/2024 21:56	WG2205793
trans-1,2-Dichloroethene	ND		0.00711	1	01/11/2024 21:56	WG2205793
1,2-Dichloropropane	ND		0.00711	1	01/11/2024 21:56	WG2205793
1,1-Dichloropropene	ND		0.00355	1	01/11/2024 21:56	WG2205793
1,3-Dichloropropane	ND		0.00711	1	01/11/2024 21:56	WG2205793
cis-1,3-Dichloropropene	ND		0.00355	1	01/11/2024 21:56	WG2205793
trans-1,3-Dichloropropene	ND		0.00711	1	01/11/2024 21:56	WG2205793
2,2-Dichloropropane	ND		0.00355	1	01/11/2024 21:56	WG2205793
Di-isopropyl ether	ND		0.00142	1	01/11/2024 21:56	WG2205793
Ethylbenzene	ND		0.00355	1	01/11/2024 21:56	WG2205793
Hexachloro-1,3-butadiene	ND		0.0355	1	01/11/2024 21:56	WG2205793
Isopropylbenzene	ND		0.00355	1	01/11/2024 21:56	WG2205793
p-Isopropyltoluene	ND		0.00711	1	01/11/2024 21:56	WG2205793
2-Butanone (MEK)	ND		0.142	1	01/11/2024 21:56	WG2205793
Methylene Chloride	ND		0.0355	1	01/11/2024 21:56	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0355	1	01/11/2024 21:56	WG2205793
Methyl tert-butyl ether	ND		0.00142	1	01/11/2024 21:56	WG2205793
Naphthalene	ND		0.0178	1	01/11/2024 21:56	WG2205793
n-Propylbenzene	ND		0.00711	1	01/11/2024 21:56	WG2205793
Styrene	ND		0.0178	1	01/11/2024 21:56	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00355	1	01/11/2024 21:56	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00355	1	01/11/2024 21:56	WG2205793
Tetrachloroethene	ND		0.00355	1	01/11/2024 21:56	WG2205793
Toluene	ND		0.00711	1	01/11/2024 21:56	WG2205793
1,2,3-Trichlorobenzene	ND		0.0178	1	01/11/2024 21:56	WG2205793
1,2,4-Trichlorobenzene	ND		0.0178	1	01/11/2024 21:56	WG2205793
1,1,1-Trichloroethane	ND		0.00355	1	01/11/2024 21:56	WG2205793
1,1,2-Trichloroethane	ND		0.00355	1	01/11/2024 21:56	WG2205793
Trichloroethene	ND		0.00142	1	01/11/2024 21:56	WG2205793
Trichlorofluoromethane	ND		0.00355	1	01/11/2024 21:56	WG2205793
1,2,3-Trichloropropane	ND		0.0178	1	01/11/2024 21:56	WG2205793
1,2,4-Trimethylbenzene	ND		0.00711	1	01/11/2024 21:56	WG2205793
1,3,5-Trimethylbenzene	ND		0.00711	1	01/11/2024 21:56	WG2205793
Vinyl chloride	ND		0.00355	1	01/11/2024 21:56	WG2205793
Xylenes, Total	ND		0.00924	1	01/11/2024 21:56	WG2205793
(S) Toluene-d8	83.6		75.0-131		01/11/2024 21:56	WG2205793
(S) 4-Bromofluorobenzene	119		67.0-138		01/11/2024 21:56	WG2205793
(S) 1,2-Dichloroethane-d4	75.7		70.0-130		01/11/2024 21:56	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0399	1	01/13/2024 01:03	WG2204993
Acenaphthylene	ND		0.0399	1	01/13/2024 01:03	WG2204993
Anthracene	ND		0.0399	1	01/13/2024 01:03	WG2204993
Benzidine	ND		2.00	1	01/13/2024 01:03	WG2204993
Benzo(a)anthracene	0.0859		0.0399	1	01/13/2024 01:03	WG2204993

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.124		0.0399	1	01/13/2024 01:03	WG2204993
Benzo(k)fluoranthene	ND		0.0399	1	01/13/2024 01:03	WG2204993
Benzo(g,h,i)perylene	0.0539		0.0399	1	01/13/2024 01:03	WG2204993
Benzo(a)pyrene	0.0973		0.0399	1	01/13/2024 01:03	WG2204993
Bis(2-chloroethoxy)methane	ND		0.399	1	01/13/2024 01:03	WG2204993
Bis(2-chloroethyl)ether	ND		0.399	1	01/13/2024 01:03	WG2204993
2,2-Oxybis(1-Chloropropane)	ND		0.399	1	01/13/2024 01:03	WG2204993
4-Bromophenyl-phenylether	ND		0.399	1	01/13/2024 01:03	WG2204993
2-Chloronaphthalene	ND		0.0399	1	01/13/2024 01:03	WG2204993
4-Chlorophenyl-phenylether	ND		0.399	1	01/13/2024 01:03	WG2204993
Chrysene	0.0780		0.0399	1	01/13/2024 01:03	WG2204993
Dibenz(a,h)anthracene	ND		0.0399	1	01/13/2024 01:03	WG2204993
3,3-Dichlorobenzidine	ND		0.399	1	01/13/2024 01:03	WG2204993
2,4-Dinitrotoluene	ND		0.399	1	01/13/2024 01:03	WG2204993
2,6-Dinitrotoluene	ND		0.399	1	01/13/2024 01:03	WG2204993
Fluoranthene	0.157		0.0399	1	01/13/2024 01:03	WG2204993
Fluorene	ND		0.0399	1	01/13/2024 01:03	WG2204993
Hexachlorobenzene	ND		0.399	1	01/13/2024 01:03	WG2204993
Hexachloro-1,3-butadiene	ND		0.399	1	01/13/2024 01:03	WG2204993
Hexachlorocyclopentadiene	ND		0.399	1	01/13/2024 01:03	WG2204993
Hexachloroethane	ND		0.399	1	01/13/2024 01:03	WG2204993
Indeno(1,2,3-cd)pyrene	0.0572		0.0399	1	01/13/2024 01:03	WG2204993
Isophorone	ND		0.399	1	01/13/2024 01:03	WG2204993
Naphthalene	ND		0.0399	1	01/13/2024 01:03	WG2204993
Nitrobenzene	ND		0.399	1	01/13/2024 01:03	WG2204993
n-Nitrosodimethylamine	ND		0.399	1	01/13/2024 01:03	WG2204993
n-Nitrosodiphenylamine	ND		0.399	1	01/13/2024 01:03	WG2204993
n-Nitrosodi-n-propylamine	ND		0.399	1	01/13/2024 01:03	WG2204993
Phenanthrene	0.0810		0.0399	1	01/13/2024 01:03	WG2204993
Benzylbutyl phthalate	ND		0.399	1	01/13/2024 01:03	WG2204993
Bis(2-ethylhexyl)phthalate	ND		0.399	1	01/13/2024 01:03	WG2204993
Di-n-butyl phthalate	ND		0.399	1	01/13/2024 01:03	WG2204993
Diethyl phthalate	ND		0.399	1	01/13/2024 01:03	WG2204993
Dimethyl phthalate	ND		0.399	1	01/13/2024 01:03	WG2204993
Di-n-octyl phthalate	ND		0.399	1	01/13/2024 01:03	WG2204993
Pyrene	0.162		0.0399	1	01/13/2024 01:03	WG2204993
1,2,4-Trichlorobenzene	ND		0.399	1	01/13/2024 01:03	WG2204993
4-Chloro-3-methylphenol	ND		0.399	1	01/13/2024 01:03	WG2204993
2-Chlorophenol	ND		0.399	1	01/13/2024 01:03	WG2204993
2,4-Dichlorophenol	ND		0.399	1	01/13/2024 01:03	WG2204993
2,4-Dimethylphenol	ND		0.399	1	01/13/2024 01:03	WG2204993
4,6-Dinitro-2-methylphenol	ND		0.399	1	01/13/2024 01:03	WG2204993
2,4-Dinitrophenol	ND		0.399	1	01/13/2024 01:03	WG2204993
2-Nitrophenol	ND		0.399	1	01/13/2024 01:03	WG2204993
4-Nitrophenol	ND		0.399	1	01/13/2024 01:03	WG2204993
Pentachlorophenol	ND		0.399	1	01/13/2024 01:03	WG2204993
Phenol	ND		0.399	1	01/13/2024 01:03	WG2204993
2,4,6-Trichlorophenol	ND		0.399	1	01/13/2024 01:03	WG2204993
(S) 2-Fluorophenol	66.0		12.0-120		01/13/2024 01:03	WG2204993
(S) Phenol-d5	65.0		10.0-120		01/13/2024 01:03	WG2204993
(S) Nitrobenzene-d5	59.4		10.0-122		01/13/2024 01:03	WG2204993
(S) 2-Fluorobiphenyl	59.1		15.0-120		01/13/2024 01:03	WG2204993
(S) 2,4,6-Tribromophenol	57.0		10.0-127		01/13/2024 01:03	WG2204993
(S) p-Terphenyl-d14	63.9		10.0-120		01/13/2024 01:03	WG2204993

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.8		1	01/10/2024 16:28	WG2204686

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.89		1.25	1	01/11/2024 10:57	WG2204091

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0501	1	01/11/2024 10:40	WG2204736

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	J3 J6 O1	3.76	5	01/28/2024 19:42	WG2204931
Arsenic	2.78	O1	1.25	5	01/28/2024 19:42	WG2204931
Barium	85.5	J5	3.13	5	01/28/2024 19:42	WG2204931
Beryllium	ND		3.13	5	01/28/2024 19:42	WG2204931
Cadmium	ND	O1	1.25	5	01/28/2024 19:42	WG2204931
Chromium	30.5	O1	6.27	5	01/28/2024 19:42	WG2204931
Cobalt	12.5	O1	1.25	5	01/28/2024 19:42	WG2204931
Copper	18.0	O1	6.27	5	01/28/2024 19:42	WG2204931
Lead	20.4	O1	2.51	5	01/28/2024 19:42	WG2204931
Manganese	576	O1 V	3.13	5	01/28/2024 19:42	WG2204931
Nickel	13.8	O1	3.13	5	01/28/2024 19:42	WG2204931
Selenium	ND	O1	3.13	5	01/28/2024 19:42	WG2204931
Silver	ND		0.627	5	01/28/2024 19:42	WG2204931
Thallium	ND	O1	2.51	5	01/28/2024 19:42	WG2204931
Vanadium	38.3	O1	3.13	5	01/28/2024 19:42	WG2204931
Zinc	121	J5 O1	31.3	5	01/28/2024 19:42	WG2204931

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0767	1	01/11/2024 22:15	WG2205793
Acrylonitrile	ND		0.0192	1	01/11/2024 22:15	WG2205793
Benzene	ND		0.00153	1	01/11/2024 22:15	WG2205793
Bromobenzene	ND		0.0192	1	01/11/2024 22:15	WG2205793
Bromodichloromethane	ND		0.00383	1	01/11/2024 22:15	WG2205793
Bromoform	ND		0.0383	1	01/11/2024 22:15	WG2205793
Bromomethane	ND		0.0192	1	01/11/2024 22:15	WG2205793
n-Butylbenzene	ND		0.0192	1	01/11/2024 22:15	WG2205793
sec-Butylbenzene	ND		0.0192	1	01/11/2024 22:15	WG2205793
tert-Butylbenzene	ND		0.00767	1	01/11/2024 22:15	WG2205793
Carbon tetrachloride	ND		0.00767	1	01/11/2024 22:15	WG2205793
Chlorobenzene	ND		0.00383	1	01/11/2024 22:15	WG2205793
Chlorodibromomethane	ND		0.00383	1	01/11/2024 22:15	WG2205793
Chloroethane	ND		0.00767	1	01/11/2024 22:15	WG2205793
Chloroform	ND		0.00383	1	01/11/2024 22:15	WG2205793
Chloromethane	ND	J3	0.0192	1	01/11/2024 22:15	WG2205793
2-Chlorotoluene	ND		0.00383	1	01/11/2024 22:15	WG2205793
4-Chlorotoluene	ND		0.00767	1	01/11/2024 22:15	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0383	1	01/11/2024 22:15	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00383	1	01/11/2024 22:15	WG2205793
Dibromomethane	ND		0.00767	1	01/11/2024 22:15	WG2205793
1,2-Dichlorobenzene	ND		0.00767	1	01/11/2024 22:15	WG2205793
1,3-Dichlorobenzene	ND		0.00767	1	01/11/2024 22:15	WG2205793
1,4-Dichlorobenzene	ND		0.00767	1	01/11/2024 22:15	WG2205793
Dichlorodifluoromethane	ND	J3	0.00767	1	01/11/2024 22:15	WG2205793
1,1-Dichloroethane	ND		0.00383	1	01/11/2024 22:15	WG2205793
1,2-Dichloroethane	ND		0.00383	1	01/11/2024 22:15	WG2205793
1,1-Dichloroethene	ND		0.00383	1	01/11/2024 22:15	WG2205793
cis-1,2-Dichloroethene	ND		0.00383	1	01/11/2024 22:15	WG2205793
trans-1,2-Dichloroethene	ND		0.00767	1	01/11/2024 22:15	WG2205793
1,2-Dichloropropane	ND		0.00767	1	01/11/2024 22:15	WG2205793
1,1-Dichloropropene	ND		0.00383	1	01/11/2024 22:15	WG2205793
1,3-Dichloropropane	ND		0.00767	1	01/11/2024 22:15	WG2205793
cis-1,3-Dichloropropene	ND		0.00383	1	01/11/2024 22:15	WG2205793
trans-1,3-Dichloropropene	ND		0.00767	1	01/11/2024 22:15	WG2205793
2,2-Dichloropropane	ND		0.00383	1	01/11/2024 22:15	WG2205793
Di-isopropyl ether	ND		0.00153	1	01/11/2024 22:15	WG2205793
Ethylbenzene	ND		0.00383	1	01/11/2024 22:15	WG2205793
Hexachloro-1,3-butadiene	ND		0.0383	1	01/11/2024 22:15	WG2205793
Isopropylbenzene	ND		0.00383	1	01/11/2024 22:15	WG2205793
p-Isopropyltoluene	ND		0.00767	1	01/11/2024 22:15	WG2205793
2-Butanone (MEK)	ND		0.153	1	01/11/2024 22:15	WG2205793
Methylene Chloride	ND		0.0383	1	01/11/2024 22:15	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0383	1	01/11/2024 22:15	WG2205793
Methyl tert-butyl ether	ND		0.00153	1	01/11/2024 22:15	WG2205793
Naphthalene	0.0202		0.0192	1	01/11/2024 22:15	WG2205793
n-Propylbenzene	ND		0.00767	1	01/11/2024 22:15	WG2205793
Styrene	ND		0.0192	1	01/11/2024 22:15	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00383	1	01/11/2024 22:15	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00383	1	01/11/2024 22:15	WG2205793
Tetrachloroethene	ND		0.00383	1	01/11/2024 22:15	WG2205793
Toluene	ND		0.00767	1	01/11/2024 22:15	WG2205793
1,2,3-Trichlorobenzene	ND		0.0192	1	01/11/2024 22:15	WG2205793
1,2,4-Trichlorobenzene	ND		0.0192	1	01/11/2024 22:15	WG2205793
1,1,1-Trichloroethane	ND		0.00383	1	01/11/2024 22:15	WG2205793
1,1,2-Trichloroethane	ND		0.00383	1	01/11/2024 22:15	WG2205793
Trichloroethene	ND		0.00153	1	01/11/2024 22:15	WG2205793
Trichlorofluoromethane	ND		0.00383	1	01/11/2024 22:15	WG2205793
1,2,3-Trichloropropane	ND		0.0192	1	01/11/2024 22:15	WG2205793
1,2,4-Trimethylbenzene	ND		0.00767	1	01/11/2024 22:15	WG2205793
1,3,5-Trimethylbenzene	ND		0.00767	1	01/11/2024 22:15	WG2205793
Vinyl chloride	ND		0.00383	1	01/11/2024 22:15	WG2205793
Xylenes, Total	ND		0.00997	1	01/11/2024 22:15	WG2205793
(S) Toluene-d8	105		75.0-131		01/11/2024 22:15	WG2205793
(S) 4-Bromofluorobenzene	109		67.0-138		01/11/2024 22:15	WG2205793
(S) 1,2-Dichloroethane-d4	72.2		70.0-130		01/11/2024 22:15	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0417	1	01/12/2024 23:49	WG2204993
Acenaphthylene	ND		0.0417	1	01/12/2024 23:49	WG2204993
Anthracene	ND		0.0417	1	01/12/2024 23:49	WG2204993
Benzidine	ND		2.09	1	01/12/2024 23:49	WG2204993
Benzo(a)anthracene	ND		0.0417	1	01/12/2024 23:49	WG2204993

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0440		0.0417	1	01/12/2024 23:49	WG2204993
Benzo(k)fluoranthene	ND		0.0417	1	01/12/2024 23:49	WG2204993
Benzo(g,h,i)perylene	ND		0.0417	1	01/12/2024 23:49	WG2204993
Benzo(a)pyrene	ND		0.0417	1	01/12/2024 23:49	WG2204993
Bis(2-chloroethoxy)methane	ND		0.417	1	01/12/2024 23:49	WG2204993
Bis(2-chloroethyl)ether	ND		0.417	1	01/12/2024 23:49	WG2204993
2,2-Oxybis(1-Chloropropane)	ND		0.417	1	01/12/2024 23:49	WG2204993
4-Bromophenyl-phenylether	ND		0.417	1	01/12/2024 23:49	WG2204993
2-Chloronaphthalene	ND		0.0417	1	01/12/2024 23:49	WG2204993
4-Chlorophenyl-phenylether	ND		0.417	1	01/12/2024 23:49	WG2204993
Chrysene	ND		0.0417	1	01/12/2024 23:49	WG2204993
Dibenz(a,h)anthracene	ND		0.0417	1	01/12/2024 23:49	WG2204993
3,3-Dichlorobenzidine	ND		0.417	1	01/12/2024 23:49	WG2204993
2,4-Dinitrotoluene	ND		0.417	1	01/12/2024 23:49	WG2204993
2,6-Dinitrotoluene	ND		0.417	1	01/12/2024 23:49	WG2204993
Fluoranthene	0.0656		0.0417	1	01/12/2024 23:49	WG2204993
Fluorene	ND		0.0417	1	01/12/2024 23:49	WG2204993
Hexachlorobenzene	ND		0.417	1	01/12/2024 23:49	WG2204993
Hexachloro-1,3-butadiene	ND		0.417	1	01/12/2024 23:49	WG2204993
Hexachlorocyclopentadiene	ND		0.417	1	01/12/2024 23:49	WG2204993
Hexachloroethane	ND		0.417	1	01/12/2024 23:49	WG2204993
Indeno(1,2,3-cd)pyrene	ND		0.0417	1	01/12/2024 23:49	WG2204993
Isophorone	ND		0.417	1	01/12/2024 23:49	WG2204993
Naphthalene	ND		0.0417	1	01/12/2024 23:49	WG2204993
Nitrobenzene	ND		0.417	1	01/12/2024 23:49	WG2204993
n-Nitrosodimethylamine	ND		0.417	1	01/12/2024 23:49	WG2204993
n-Nitrosodiphenylamine	ND		0.417	1	01/12/2024 23:49	WG2204993
n-Nitrosodi-n-propylamine	ND		0.417	1	01/12/2024 23:49	WG2204993
Phenanthrene	ND		0.0417	1	01/12/2024 23:49	WG2204993
Benzylbutyl phthalate	ND		0.417	1	01/12/2024 23:49	WG2204993
Bis(2-ethylhexyl)phthalate	ND		0.417	1	01/12/2024 23:49	WG2204993
Di-n-butyl phthalate	ND		0.417	1	01/12/2024 23:49	WG2204993
Diethyl phthalate	ND		0.417	1	01/12/2024 23:49	WG2204993
Dimethyl phthalate	ND		0.417	1	01/12/2024 23:49	WG2204993
Di-n-octyl phthalate	ND		0.417	1	01/12/2024 23:49	WG2204993
Pyrene	0.0602		0.0417	1	01/12/2024 23:49	WG2204993
1,2,4-Trichlorobenzene	ND		0.417	1	01/12/2024 23:49	WG2204993
4-Chloro-3-methylphenol	ND		0.417	1	01/12/2024 23:49	WG2204993
2-Chlorophenol	ND		0.417	1	01/12/2024 23:49	WG2204993
2,4-Dichlorophenol	ND		0.417	1	01/12/2024 23:49	WG2204993
2,4-Dimethylphenol	ND		0.417	1	01/12/2024 23:49	WG2204993
4,6-Dinitro-2-methylphenol	ND		0.417	1	01/12/2024 23:49	WG2204993
2,4-Dinitrophenol	ND		0.417	1	01/12/2024 23:49	WG2204993
2-Nitrophenol	ND		0.417	1	01/12/2024 23:49	WG2204993
4-Nitrophenol	ND		0.417	1	01/12/2024 23:49	WG2204993
Pentachlorophenol	ND		0.417	1	01/12/2024 23:49	WG2204993
Phenol	ND		0.417	1	01/12/2024 23:49	WG2204993
2,4,6-Trichlorophenol	ND		0.417	1	01/12/2024 23:49	WG2204993
(S) 2-Fluorophenol	60.0		12.0-120		01/12/2024 23:49	WG2204993
(S) Phenol-d5	58.0		10.0-120		01/12/2024 23:49	WG2204993
(S) Nitrobenzene-d5	52.7		10.0-122		01/12/2024 23:49	WG2204993
(S) 2-Fluorobiphenyl	52.7		15.0-120		01/12/2024 23:49	WG2204993
(S) 2,4,6-Tribromophenol	52.7		10.0-127		01/12/2024 23:49	WG2204993
(S) p-Terphenyl-d14	58.6		10.0-120		01/12/2024 23:49	WG2204993

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	01/10/2024 13:46	WG2204507
Acrolein	ND		50.0	1	01/10/2024 13:46	WG2204507
Acrylonitrile	ND		10.0	1	01/10/2024 13:46	WG2204507
Benzene	ND		1.00	1	01/10/2024 13:46	WG2204507
Bromobenzene	ND		1.00	1	01/10/2024 13:46	WG2204507
Bromodichloromethane	ND		1.00	1	01/10/2024 13:46	WG2204507
Bromoform	ND	C3	1.00	1	01/10/2024 13:46	WG2204507
Bromomethane	ND		5.00	1	01/10/2024 13:46	WG2204507
n-Butylbenzene	ND		1.00	1	01/10/2024 13:46	WG2204507
sec-Butylbenzene	ND		1.00	1	01/10/2024 13:46	WG2204507
tert-Butylbenzene	ND		1.00	1	01/10/2024 13:46	WG2204507
Carbon tetrachloride	ND		1.00	1	01/10/2024 13:46	WG2204507
Chlorobenzene	ND		1.00	1	01/10/2024 13:46	WG2204507
Chlorodibromomethane	ND		1.00	1	01/10/2024 13:46	WG2204507
Chloroethane	ND		5.00	1	01/10/2024 13:46	WG2204507
Chloroform	ND		5.00	1	01/10/2024 13:46	WG2204507
Chloromethane	ND	C3 J3 J4	2.50	1	01/10/2024 13:46	WG2204507
2-Chlorotoluene	ND		1.00	1	01/10/2024 13:46	WG2204507
4-Chlorotoluene	ND		1.00	1	01/10/2024 13:46	WG2204507
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/10/2024 13:46	WG2204507
1,2-Dibromoethane	ND		1.00	1	01/10/2024 13:46	WG2204507
Dibromomethane	ND		1.00	1	01/10/2024 13:46	WG2204507
1,2-Dichlorobenzene	ND		1.00	1	01/10/2024 13:46	WG2204507
1,3-Dichlorobenzene	ND		1.00	1	01/10/2024 13:46	WG2204507
1,4-Dichlorobenzene	ND		1.00	1	01/10/2024 13:46	WG2204507
Dichlorodifluoromethane	ND		5.00	1	01/10/2024 13:46	WG2204507
1,1-Dichloroethane	ND		1.00	1	01/10/2024 13:46	WG2204507
1,2-Dichloroethane	ND		1.00	1	01/10/2024 13:46	WG2204507
1,1-Dichloroethene	ND		1.00	1	01/10/2024 13:46	WG2204507
cis-1,2-Dichloroethene	ND		1.00	1	01/10/2024 13:46	WG2204507
trans-1,2-Dichloroethene	ND		1.00	1	01/10/2024 13:46	WG2204507
1,2-Dichloropropane	ND		1.00	1	01/10/2024 13:46	WG2204507
1,1-Dichloropropene	ND		1.00	1	01/10/2024 13:46	WG2204507
1,3-Dichloropropane	ND		1.00	1	01/10/2024 13:46	WG2204507
cis-1,3-Dichloropropene	ND	J4	1.00	1	01/10/2024 13:46	WG2204507
trans-1,3-Dichloropropene	ND		1.00	1	01/10/2024 13:46	WG2204507
2,2-Dichloropropane	ND		1.00	1	01/10/2024 13:46	WG2204507
Di-isopropyl ether	ND		1.00	1	01/10/2024 13:46	WG2204507
Ethylbenzene	ND		1.00	1	01/10/2024 13:46	WG2204507
Hexachloro-1,3-butadiene	ND		1.00	1	01/10/2024 13:46	WG2204507
Isopropylbenzene	ND		1.00	1	01/10/2024 13:46	WG2204507
p-Isopropyltoluene	ND		1.00	1	01/10/2024 13:46	WG2204507
2-Butanone (MEK)	ND		10.0	1	01/10/2024 13:46	WG2204507
Methylene Chloride	ND		5.00	1	01/10/2024 13:46	WG2204507
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/10/2024 13:46	WG2204507
Methyl tert-butyl ether	ND		1.00	1	01/10/2024 13:46	WG2204507
Naphthalene	ND		5.00	1	01/10/2024 13:46	WG2204507
n-Propylbenzene	ND		1.00	1	01/10/2024 13:46	WG2204507
Styrene	ND		1.00	1	01/10/2024 13:46	WG2204507
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/10/2024 13:46	WG2204507
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/10/2024 13:46	WG2204507
Tetrachloroethene	ND		1.00	1	01/10/2024 13:46	WG2204507
Toluene	ND		1.00	1	01/10/2024 13:46	WG2204507
1,2,3-Trichlorobenzene	ND		1.00	1	01/10/2024 13:46	WG2204507
1,2,4-Trichlorobenzene	ND		1.00	1	01/10/2024 13:46	WG2204507
1,1,1-Trichloroethane	ND		1.00	1	01/10/2024 13:46	WG2204507

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	01/10/2024 13:46	WG2204507
Trichloroethene	ND		1.00	1	01/10/2024 13:46	WG2204507
Trichlorofluoromethane	ND		5.00	1	01/10/2024 13:46	WG2204507
1,2,3-Trichloropropane	ND		2.50	1	01/10/2024 13:46	WG2204507
1,2,4-Trimethylbenzene	ND		1.00	1	01/10/2024 13:46	WG2204507
1,3,5-Trimethylbenzene	ND		1.00	1	01/10/2024 13:46	WG2204507
Vinyl chloride	ND		1.00	1	01/10/2024 13:46	WG2204507
Xylenes, Total	ND		3.00	1	01/10/2024 13:46	WG2204507
(S) Toluene-d8	103		80.0-120		01/10/2024 13:46	WG2204507
(S) 4-Bromofluorobenzene	97.8		77.0-126		01/10/2024 13:46	WG2204507
(S) 1,2-Dichloroethane-d4	98.4		70.0-130		01/10/2024 13:46	WG2204507

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	01/10/2024 16:28	WG2204686

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.15	1	01/11/2024 11:03	WG2204091

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0458	1	01/11/2024 10:42	WG2204736

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.44	5	01/28/2024 20:50	WG2204931
Arsenic	1.38		1.15	5	01/28/2024 20:50	WG2204931
Barium	40.7		2.86	5	01/28/2024 20:50	WG2204931
Beryllium	ND		2.86	5	01/28/2024 20:50	WG2204931
Cadmium	ND		1.15	5	01/28/2024 20:50	WG2204931
Chromium	12.3		5.73	5	01/28/2024 20:50	WG2204931
Cobalt	6.24		1.15	5	01/28/2024 20:50	WG2204931
Copper	11.1		5.73	5	01/28/2024 20:50	WG2204931
Lead	16.8		2.29	5	01/28/2024 20:50	WG2204931
Manganese	343		2.86	5	01/28/2024 20:50	WG2204931
Nickel	8.72		2.86	5	01/28/2024 20:50	WG2204931
Selenium	ND		2.86	5	01/28/2024 20:50	WG2204931
Silver	ND		0.573	5	01/28/2024 20:50	WG2204931
Thallium	ND		2.29	5	01/28/2024 20:50	WG2204931
Vanadium	14.1		2.86	5	01/28/2024 20:50	WG2204931
Zinc	31.8		28.6	5	01/28/2024 20:50	WG2204931

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0653	1	01/11/2024 22:34	WG2205793
Acrylonitrile	ND		0.0163	1	01/11/2024 22:34	WG2205793
Benzene	ND		0.00131	1	01/11/2024 22:34	WG2205793
Bromobenzene	ND		0.0163	1	01/11/2024 22:34	WG2205793
Bromodichloromethane	ND		0.00327	1	01/11/2024 22:34	WG2205793
Bromoform	ND		0.0327	1	01/11/2024 22:34	WG2205793
Bromomethane	ND		0.0163	1	01/11/2024 22:34	WG2205793
n-Butylbenzene	ND		0.0163	1	01/11/2024 22:34	WG2205793
sec-Butylbenzene	ND		0.0163	1	01/11/2024 22:34	WG2205793
tert-Butylbenzene	ND		0.00653	1	01/11/2024 22:34	WG2205793
Carbon tetrachloride	ND		0.00653	1	01/11/2024 22:34	WG2205793
Chlorobenzene	ND		0.00327	1	01/11/2024 22:34	WG2205793
Chlorodibromomethane	ND		0.00327	1	01/11/2024 22:34	WG2205793
Chloroethane	ND		0.00653	1	01/11/2024 22:34	WG2205793
Chloroform	ND		0.00327	1	01/11/2024 22:34	WG2205793
Chloromethane	ND	J3	0.0163	1	01/11/2024 22:34	WG2205793
2-Chlorotoluene	ND		0.00327	1	01/11/2024 22:34	WG2205793
4-Chlorotoluene	ND		0.00653	1	01/11/2024 22:34	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0327	1	01/11/2024 22:34	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00327	1	01/11/2024 22:34	WG2205793
Dibromomethane	ND		0.00653	1	01/11/2024 22:34	WG2205793
1,2-Dichlorobenzene	ND		0.00653	1	01/11/2024 22:34	WG2205793
1,3-Dichlorobenzene	ND		0.00653	1	01/11/2024 22:34	WG2205793
1,4-Dichlorobenzene	ND		0.00653	1	01/11/2024 22:34	WG2205793
Dichlorodifluoromethane	ND	J3	0.00653	1	01/11/2024 22:34	WG2205793
1,1-Dichloroethane	ND		0.00327	1	01/11/2024 22:34	WG2205793
1,2-Dichloroethane	ND		0.00327	1	01/11/2024 22:34	WG2205793
1,1-Dichloroethene	ND		0.00327	1	01/11/2024 22:34	WG2205793
cis-1,2-Dichloroethene	ND		0.00327	1	01/11/2024 22:34	WG2205793
trans-1,2-Dichloroethene	ND		0.00653	1	01/11/2024 22:34	WG2205793
1,2-Dichloropropane	ND		0.00653	1	01/11/2024 22:34	WG2205793
1,1-Dichloropropene	ND		0.00327	1	01/11/2024 22:34	WG2205793
1,3-Dichloropropane	ND		0.00653	1	01/11/2024 22:34	WG2205793
cis-1,3-Dichloropropene	ND		0.00327	1	01/11/2024 22:34	WG2205793
trans-1,3-Dichloropropene	ND		0.00653	1	01/11/2024 22:34	WG2205793
2,2-Dichloropropane	ND		0.00327	1	01/11/2024 22:34	WG2205793
Di-isopropyl ether	ND		0.00131	1	01/11/2024 22:34	WG2205793
Ethylbenzene	ND		0.00327	1	01/11/2024 22:34	WG2205793
Hexachloro-1,3-butadiene	ND		0.0327	1	01/11/2024 22:34	WG2205793
Isopropylbenzene	ND		0.00327	1	01/11/2024 22:34	WG2205793
p-Isopropyltoluene	ND		0.00653	1	01/11/2024 22:34	WG2205793
2-Butanone (MEK)	ND		0.131	1	01/11/2024 22:34	WG2205793
Methylene Chloride	ND		0.0327	1	01/11/2024 22:34	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0327	1	01/11/2024 22:34	WG2205793
Methyl tert-butyl ether	ND		0.00131	1	01/11/2024 22:34	WG2205793
Naphthalene	ND		0.0163	1	01/11/2024 22:34	WG2205793
n-Propylbenzene	ND		0.00653	1	01/11/2024 22:34	WG2205793
Styrene	ND		0.0163	1	01/11/2024 22:34	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00327	1	01/11/2024 22:34	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00327	1	01/11/2024 22:34	WG2205793
Tetrachloroethene	ND		0.00327	1	01/11/2024 22:34	WG2205793
Toluene	ND		0.00653	1	01/11/2024 22:34	WG2205793
1,2,3-Trichlorobenzene	ND		0.0163	1	01/11/2024 22:34	WG2205793
1,2,4-Trichlorobenzene	ND		0.0163	1	01/11/2024 22:34	WG2205793
1,1,1-Trichloroethane	ND		0.00327	1	01/11/2024 22:34	WG2205793
1,1,2-Trichloroethane	ND		0.00327	1	01/11/2024 22:34	WG2205793
Trichloroethene	ND		0.00131	1	01/11/2024 22:34	WG2205793
Trichlorofluoromethane	ND		0.00327	1	01/11/2024 22:34	WG2205793
1,2,3-Trichloropropane	ND		0.0163	1	01/11/2024 22:34	WG2205793
1,2,4-Trimethylbenzene	ND		0.00653	1	01/11/2024 22:34	WG2205793
1,3,5-Trimethylbenzene	ND		0.00653	1	01/11/2024 22:34	WG2205793
Vinyl chloride	ND		0.00327	1	01/11/2024 22:34	WG2205793
Xylenes, Total	ND		0.00849	1	01/11/2024 22:34	WG2205793
(S) Toluene-d8	103		75.0-131		01/11/2024 22:34	WG2205793
(S) 4-Bromofluorobenzene	109		67.0-138		01/11/2024 22:34	WG2205793
(S) 1,2-Dichloroethane-d4	84.9		70.0-130		01/11/2024 22:34	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0763	2	01/19/2024 23:53	WG2204993
Acenaphthylene	ND		0.0763	2	01/19/2024 23:53	WG2204993
Anthracene	ND		0.0763	2	01/19/2024 23:53	WG2204993
Benzidine	ND		3.83	2	01/19/2024 23:53	WG2204993
Benzo(a)anthracene	0.131		0.0763	2	01/19/2024 23:53	WG2204993

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.172		0.0763	2	01/19/2024 23:53	WG2204993
Benzo(k)fluoranthene	ND		0.0763	2	01/19/2024 23:53	WG2204993
Benzo(g,h,i)perylene	ND		0.0763	2	01/19/2024 23:53	WG2204993
Benzo(a)pyrene	0.135		0.0763	2	01/19/2024 23:53	WG2204993
Bis(2-chloroethoxy)methane	ND		0.763	2	01/19/2024 23:53	WG2204993
Bis(2-chloroethyl)ether	ND		0.763	2	01/19/2024 23:53	WG2204993
2,2-Oxybis(1-Chloropropane)	ND		0.763	2	01/19/2024 23:53	WG2204993
4-Bromophenyl-phenylether	ND		0.763	2	01/19/2024 23:53	WG2204993
2-Chloronaphthalene	ND		0.0763	2	01/19/2024 23:53	WG2204993
4-Chlorophenyl-phenylether	ND		0.763	2	01/19/2024 23:53	WG2204993
Chrysene	0.135		0.0763	2	01/19/2024 23:53	WG2204993
Dibenz(a,h)anthracene	ND		0.0763	2	01/19/2024 23:53	WG2204993
3,3-Dichlorobenzidine	ND		0.763	2	01/19/2024 23:53	WG2204993
2,4-Dinitrotoluene	ND		0.763	2	01/19/2024 23:53	WG2204993
2,6-Dinitrotoluene	ND		0.763	2	01/19/2024 23:53	WG2204993
Fluoranthene	0.302		0.0763	2	01/19/2024 23:53	WG2204993
Fluorene	ND		0.0763	2	01/19/2024 23:53	WG2204993
Hexachlorobenzene	ND		0.763	2	01/19/2024 23:53	WG2204993
Hexachloro-1,3-butadiene	ND		0.763	2	01/19/2024 23:53	WG2204993
Hexachlorocyclopentadiene	ND		0.763	2	01/19/2024 23:53	WG2204993
Hexachloroethane	ND		0.763	2	01/19/2024 23:53	WG2204993
Indeno(1,2,3-cd)pyrene	ND		0.0763	2	01/19/2024 23:53	WG2204993
Isophorone	ND		0.763	2	01/19/2024 23:53	WG2204993
Naphthalene	ND		0.0763	2	01/19/2024 23:53	WG2204993
Nitrobenzene	ND		0.763	2	01/19/2024 23:53	WG2204993
n-Nitrosodimethylamine	ND		0.763	2	01/19/2024 23:53	WG2204993
n-Nitrosodiphenylamine	ND		0.763	2	01/19/2024 23:53	WG2204993
n-Nitrosodi-n-propylamine	ND		0.763	2	01/19/2024 23:53	WG2204993
Phenanthrene	0.182		0.0763	2	01/19/2024 23:53	WG2204993
Benzylbutyl phthalate	ND		0.763	2	01/19/2024 23:53	WG2204993
Bis(2-ethylhexyl)phthalate	ND		0.763	2	01/19/2024 23:53	WG2204993
Di-n-butyl phthalate	ND		0.763	2	01/19/2024 23:53	WG2204993
Diethyl phthalate	ND		0.763	2	01/19/2024 23:53	WG2204993
Dimethyl phthalate	ND		0.763	2	01/19/2024 23:53	WG2204993
Di-n-octyl phthalate	ND		0.763	2	01/19/2024 23:53	WG2204993
Pyrene	0.258		0.0763	2	01/19/2024 23:53	WG2204993
1,2,4-Trichlorobenzene	ND		0.763	2	01/19/2024 23:53	WG2204993
4-Chloro-3-methylphenol	ND		0.763	2	01/19/2024 23:53	WG2204993
2-Chlorophenol	ND		0.763	2	01/19/2024 23:53	WG2204993
2,4-Dichlorophenol	ND		0.763	2	01/19/2024 23:53	WG2204993
2,4-Dimethylphenol	ND		0.763	2	01/19/2024 23:53	WG2204993
4,6-Dinitro-2-methylphenol	ND		0.763	2	01/19/2024 23:53	WG2204993
2,4-Dinitrophenol	ND		0.763	2	01/19/2024 23:53	WG2204993
2-Nitrophenol	ND		0.763	2	01/19/2024 23:53	WG2204993
4-Nitrophenol	ND		0.763	2	01/19/2024 23:53	WG2204993
Pentachlorophenol	ND		0.763	2	01/19/2024 23:53	WG2204993
Phenol	ND		0.763	2	01/19/2024 23:53	WG2204993
2,4,6-Trichlorophenol	ND		0.763	2	01/19/2024 23:53	WG2204993
(S) 2-Fluorophenol	66.9		12.0-120		01/19/2024 23:53	WG2204993
(S) Phenol-d5	62.7		10.0-120		01/19/2024 23:53	WG2204993
(S) Nitrobenzene-d5	50.2		10.0-122		01/19/2024 23:53	WG2204993
(S) 2-Fluorobiphenyl	61.0		15.0-120		01/19/2024 23:53	WG2204993
(S) 2,4,6-Tribromophenol	76.0		10.0-127		01/19/2024 23:53	WG2204993
(S) p-Terphenyl-d14	72.5		10.0-120		01/19/2024 23:53	WG2204993

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021921-1 01/10/24 16:40

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

1 Cp

2 Tc

3 Ss

L1694715-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1694715-07 01/10/24 16:40 • (DUP) R4021921-3 01/10/24 16:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	84.1	85.3	1	1.37		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4021921-2 01/10/24 16:40

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021918-1 01/10/24 16:28

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

1 Cp

2 Tc

3 Ss

L1694715-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1694715-10 01/10/24 16:28 • (DUP) R4021918-3 01/10/24 16:28

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	79.8	79.8	1	0.0613		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4021918-2 01/10/24 16:28

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022053-1 01/11/24 07:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1694715-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1694715-03 01/11/24 09:48 • (DUP) R4022053-11 01/11/24 10:07

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

L1694715-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1694715-05 01/11/24 10:19 • (DUP) R4022053-12 01/11/24 10:26

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4022053-2 01/11/24 07:45

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	11.0	110	80.0-120	

L1694631-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694631-04 01/11/24 08:16 • (MS) R4022053-4 01/11/24 08:28 • (MSD) R4022053-5 01/11/24 08:34

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	20.0	ND	11.2	10.2	55.9	50.9	1	75.0-125	J6	J6	9.35	20

L1694631-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694631-06 01/11/24 09:05 • (MS) R4022053-8 01/11/24 09:18 • (MSD) R4022053-9 01/11/24 09:24

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	20.0	ND	9.77	10.9	48.9	54.4	1	75.0-125	J6	J6	10.7	20

L1694631-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1694631-04 01/11/24 08:16 • (MS) R4022053-6 01/11/24 08:53

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Hexavalent Chromium	643	ND	513	79.7	50	75.0-125	

L1694631-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1694631-06 01/11/24 09:05 • (MS) R4022053-10 01/11/24 09:30

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Hexavalent Chromium	654	ND	497	75.9	50	75.0-125	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022141-1 01/11/24 10:05

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4022141-2 01/11/24 10:07

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.421	84.1	80.0-120	

4 Cn

5 Sr

L1694517-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694517-01 01/11/24 10:10 • (MS) R4022141-3 01/11/24 10:12 • (MSD) R4022141-4 01/11/24 10:15

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.561	ND	0.529	0.647	94.2	115	1	75.0-125		J3	20.1	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022143-1 01/11/24 11:14

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4022143-2 01/11/24 11:17

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.493	98.7	80.0-120	

4 Cn

5 Sr

L1694721-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694721-06 01/11/24 11:19 • (MS) R4022143-3 01/11/24 11:22 • (MSD) R4022143-4 01/11/24 11:24

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.610	ND	0.722	0.728	112	113	1	75.0-125			0.854	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4027062-1 01/28/24 19:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	0.251	U	0.166	3.00
Arsenic	U		0.100	1.00
Barium	0.674	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	U		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

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

Laboratory Control Sample (LCS)

(LCS) R4027062-2 01/28/24 19:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	102	102	80.0-120	
Arsenic	100	100	100	80.0-120	
Barium	100	93.9	93.9	80.0-120	
Beryllium	100	93.0	93.0	80.0-120	
Cadmium	100	104	104	80.0-120	
Chromium	100	100	100	80.0-120	
Cobalt	100	102	102	80.0-120	
Copper	100	103	103	80.0-120	
Lead	100	100	100	80.0-120	
Manganese	100	102	102	80.0-120	
Nickel	100	102	102	80.0-120	
Selenium	100	100	100	80.0-120	
Silver	20.0	20.0	99.8	80.0-120	
Thallium	100	102	102	80.0-120	
Vanadium	100	99.8	99.8	80.0-120	
Zinc	100	98.7	98.7	80.0-120	

L1694715-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694715-10 01/28/24 19:42 • (MS) R4027062-5 01/28/24 19:52 • (MSD) R4027062-6 01/28/24 19:55

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	125	ND	70.2	51.9	55.9	41.2	5	75.0-125	<u>J6</u>	<u>J3 J6</u>	30.1	20
Arsenic	125	2.78	135	132	105	103	5	75.0-125			2.42	20
Barium	125	85.5	222	244	109	127	5	75.0-125		<u>J5</u>	9.78	20
Beryllium	125	ND	126	124	100	98.7	5	75.0-125	<u>E</u>	<u>E</u>	1.69	20
Cadmium	125	ND	142	143	113	114	5	75.0-125			0.825	20
Chromium	125	30.5	173	167	113	109	5	75.0-125			3.10	20
Cobalt	125	12.5	151	152	110	112	5	75.0-125			1.01	20
Copper	125	18.0	162	161	115	114	5	75.0-125			0.177	20
Lead	125	20.4	157	157	109	109	5	75.0-125			0.232	20
Manganese	125	576	658	736	64.9	128	5	75.0-125	<u>V</u>	<u>V</u>	11.3	20
Nickel	125	13.8	156	156	114	114	5	75.0-125			0.111	20
Selenium	125	ND	133	129	106	102	5	75.0-125			3.69	20
Silver	25.1	ND	28.0	28.0	112	112	5	75.0-125			0.0275	20
Thallium	125	ND	136	134	108	107	5	75.0-125			1.53	20
Vanadium	125	38.3	177	171	111	106	5	75.0-125			3.79	20
Zinc	125	121	305	289	147	134	5	75.0-125	<u>J5</u>	<u>J5</u>	5.53	20

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

Method Blank (MB)

(MB) R4021999-3 01/10/24 10:57

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	0.134	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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4021999-3 01/10/24 10:57

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	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	102			80.0-120
(S) 4-Bromofluorobenzene	96.8			77.0-126
(S) 1,2-Dichloroethane-d4	102			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021999-1 01/10/24 09:51 • (LCSD) R4021999-2 01/10/24 10:13

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Acetone	25.0	25.8	28.4	103	114	19.0-160			9.59	27
Acrolein	25.0	30.0	27.6	120	110	10.0-160			8.33	26
Acrylonitrile	25.0	26.0	25.3	104	101	55.0-149			2.73	20
Benzene	5.00	4.36	4.12	87.2	82.4	70.0-123			5.66	20
Bromobenzene	5.00	4.84	4.52	96.8	90.4	73.0-121			6.84	20
Bromodichloromethane	5.00	4.45	4.23	89.0	84.6	75.0-120			5.07	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021999-1 01/10/24 09:51 • (LCSD) R4021999-2 01/10/24 10:13

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	3.47	4.04	69.4	80.8	68.0-132			15.2	20
Bromomethane	5.00	5.68	5.32	114	106	10.0-160			6.55	25
n-Butylbenzene	5.00	4.97	4.92	99.4	98.4	73.0-125			1.01	20
sec-Butylbenzene	5.00	5.18	4.97	104	99.4	75.0-125			4.14	20
tert-Butylbenzene	5.00	4.94	4.86	98.8	97.2	76.0-124			1.63	20
Carbon tetrachloride	5.00	4.50	4.17	90.0	83.4	68.0-126			7.61	20
Chlorobenzene	5.00	4.38	4.43	87.6	88.6	80.0-121			1.14	20
Chlorodibromomethane	5.00	4.38	4.31	87.6	86.2	77.0-125			1.61	20
Chloroethane	5.00	4.78	4.50	95.6	90.0	47.0-150			6.03	20
Chloroform	5.00	4.69	4.33	93.8	86.6	73.0-120			7.98	20
Chloromethane	5.00	1.62	2.04	32.4	40.8	41.0-142	J4	J3 J4	23.0	20
2-Chlorotoluene	5.00	5.07	4.75	101	95.0	76.0-123			6.52	20
4-Chlorotoluene	5.00	4.75	4.53	95.0	90.6	75.0-122			4.74	20
1,2-Dibromo-3-Chloropropane	5.00	4.50	5.04	90.0	101	58.0-134			11.3	20
1,2-Dibromoethane	5.00	4.48	4.55	89.6	91.0	80.0-122			1.55	20
Dibromomethane	5.00	4.41	4.44	88.2	88.8	80.0-120			0.678	20
1,2-Dichlorobenzene	5.00	4.90	4.81	98.0	96.2	79.0-121			1.85	20
1,3-Dichlorobenzene	5.00	4.74	4.58	94.8	91.6	79.0-120			3.43	20
1,4-Dichlorobenzene	5.00	4.74	4.60	94.8	92.0	79.0-120			3.00	20
Dichlorodifluoromethane	5.00	4.16	3.86	83.2	77.2	51.0-149			7.48	20
1,1-Dichloroethane	5.00	4.67	4.38	93.4	87.6	70.0-126			6.41	20
1,2-Dichloroethane	5.00	4.94	4.81	98.8	96.2	70.0-128			2.67	20
1,1-Dichloroethene	5.00	4.34	4.16	86.8	83.2	71.0-124			4.24	20
cis-1,2-Dichloroethene	5.00	4.63	4.31	92.6	86.2	73.0-120			7.16	20
trans-1,2-Dichloroethene	5.00	4.22	3.94	84.4	78.8	73.0-120			6.86	20
1,2-Dichloropropane	5.00	4.51	4.37	90.2	87.4	77.0-125			3.15	20
1,1-Dichloropropene	5.00	4.41	4.34	88.2	86.8	74.0-126			1.60	20
1,3-Dichloropropane	5.00	4.76	4.47	95.2	89.4	80.0-120			6.28	20
cis-1,3-Dichloropropene	5.00	4.18	3.77	83.6	75.4	80.0-123		J4	10.3	20
trans-1,3-Dichloropropene	5.00	4.35	4.13	87.0	82.6	78.0-124			5.19	20
2,2-Dichloropropane	5.00	5.89	5.14	118	103	58.0-130			13.6	20
Di-isopropyl ether	5.00	4.90	4.52	98.0	90.4	58.0-138			8.07	20
Ethylbenzene	5.00	4.62	4.53	92.4	90.6	79.0-123			1.97	20
Hexachloro-1,3-butadiene	5.00	5.65	5.39	113	108	54.0-138			4.71	20
Isopropylbenzene	5.00	4.81	4.62	96.2	92.4	76.0-127			4.03	20
p-Isopropyltoluene	5.00	5.19	4.92	104	98.4	76.0-125			5.34	20
2-Butanone (MEK)	25.0	24.6	26.1	98.4	104	44.0-160			5.92	20
Methylene Chloride	5.00	4.24	3.95	84.8	79.0	67.0-120			7.08	20
4-Methyl-2-pentanone (MIBK)	25.0	26.1	25.8	104	103	68.0-142			1.16	20
Methyl tert-butyl ether	5.00	5.03	4.58	101	91.6	68.0-125			9.37	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021999-1 01/10/24 09:51 • (LCSD) R4021999-2 01/10/24 10:13

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Naphthalene	5.00	4.55	4.70	91.0	94.0	54.0-135			3.24	20
n-Propylbenzene	5.00	4.89	4.60	97.8	92.0	77.0-124			6.11	20
Styrene	5.00	4.49	4.28	89.8	85.6	73.0-130			4.79	20
1,1,1,2-Tetrachloroethane	5.00	5.07	4.88	101	97.6	75.0-125			3.82	20
1,1,2,2-Tetrachloroethane	5.00	4.42	4.21	88.4	84.2	65.0-130			4.87	20
Tetrachloroethene	5.00	4.28	4.04	85.6	80.8	72.0-132			5.77	20
Toluene	5.00	4.54	4.35	90.8	87.0	79.0-120			4.27	20
1,2,3-Trichlorobenzene	5.00	4.98	5.16	99.6	103	50.0-138			3.55	20
1,2,4-Trichlorobenzene	5.00	5.22	5.04	104	101	57.0-137			3.51	20
1,1,1-Trichloroethane	5.00	4.84	4.58	96.8	91.6	73.0-124			5.52	20
1,1,2-Trichloroethane	5.00	4.48	4.27	89.6	85.4	80.0-120			4.80	20
Trichloroethene	5.00	4.75	4.50	95.0	90.0	78.0-124			5.41	20
Trichlorofluoromethane	5.00	5.13	4.75	103	95.0	59.0-147			7.69	20
1,2,3-Trichloropropane	5.00	5.27	4.83	105	96.6	73.0-130			8.71	20
1,2,4-Trimethylbenzene	5.00	4.80	4.43	96.0	88.6	76.0-121			8.02	20
1,3,5-Trimethylbenzene	5.00	4.88	4.63	97.6	92.6	76.0-122			5.26	20
Vinyl chloride	5.00	4.80	4.35	96.0	87.0	67.0-131			9.84	20
Xylenes, Total	15.0	13.7	13.3	91.3	88.7	79.0-123			2.96	20
(S) Toluene-d8				103	104	80.0-120				
(S) 4-Bromofluorobenzene				96.4	94.9	77.0-126				
(S) 1,2-Dichloroethane-d4				99.7	98.9	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022583-2 01/11/24 22:15

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022583-2 01/11/24 22:15

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	101			75.0-131
(S) 4-Bromofluorobenzene	100			67.0-138
(S) 1,2-Dichloroethane-d4	89.8			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4022583-1 01/11/24 21:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.642	103	10.0-160	
Acrylonitrile	0.625	0.505	80.8	45.0-153	
Benzene	0.125	0.0992	79.4	70.0-123	
Bromobenzene	0.125	0.105	84.0	73.0-121	
Bromodichloromethane	0.125	0.110	88.0	73.0-121	
Bromoform	0.125	0.0981	78.5	64.0-132	
Bromomethane	0.125	0.100	80.0	56.0-147	

Laboratory Control Sample (LCS)

(LCS) R4022583-1 01/11/24 21:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
n-Butylbenzene	0.125	0.101	80.8	68.0-135	
sec-Butylbenzene	0.125	0.103	82.4	74.0-130	
tert-Butylbenzene	0.125	0.106	84.8	75.0-127	
Carbon tetrachloride	0.125	0.0972	77.8	66.0-128	
Chlorobenzene	0.125	0.102	81.6	76.0-128	
Chlorodibromomethane	0.125	0.0917	73.4	74.0-127	J4
Chloroethane	0.125	0.106	84.8	61.0-134	
Chloroform	0.125	0.101	80.8	72.0-123	
Chloromethane	0.125	0.101	80.8	51.0-138	
2-Chlorotoluene	0.125	0.102	81.6	75.0-124	
4-Chlorotoluene	0.125	0.0983	78.6	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.0867	69.4	59.0-130	
1,2-Dibromoethane	0.125	0.0986	78.9	74.0-128	
Dibromomethane	0.125	0.101	80.8	75.0-122	
1,2-Dichlorobenzene	0.125	0.0974	77.9	76.0-124	
1,3-Dichlorobenzene	0.125	0.102	81.6	76.0-125	
1,4-Dichlorobenzene	0.125	0.0974	77.9	77.0-121	
Dichlorodifluoromethane	0.125	0.0927	74.2	43.0-156	
1,1-Dichloroethane	0.125	0.103	82.4	70.0-127	
1,2-Dichloroethane	0.125	0.0968	77.4	65.0-131	
1,1-Dichloroethene	0.125	0.100	80.0	65.0-131	
cis-1,2-Dichloroethene	0.125	0.104	83.2	73.0-125	
trans-1,2-Dichloroethene	0.125	0.103	82.4	71.0-125	
1,2-Dichloropropane	0.125	0.0993	79.4	74.0-125	
1,1-Dichloropropene	0.125	0.103	82.4	73.0-125	
1,3-Dichloropropane	0.125	0.104	83.2	80.0-125	
cis-1,3-Dichloropropene	0.125	0.109	87.2	76.0-127	
trans-1,3-Dichloropropene	0.125	0.106	84.8	73.0-127	
2,2-Dichloropropane	0.125	0.112	89.6	59.0-135	
Di-isopropyl ether	0.125	0.104	83.2	60.0-136	
Ethylbenzene	0.125	0.101	80.8	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.0983	78.6	57.0-150	
Isopropylbenzene	0.125	0.104	83.2	72.0-127	
p-Isopropyltoluene	0.125	0.107	85.6	72.0-133	
2-Butanone (MEK)	0.625	0.514	82.2	30.0-160	
Methylene Chloride	0.125	0.105	84.0	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.496	79.4	56.0-143	
Methyl tert-butyl ether	0.125	0.106	84.8	66.0-132	
Naphthalene	0.125	0.0921	73.7	59.0-130	
n-Propylbenzene	0.125	0.101	80.8	74.0-126	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4022583-1 01/11/24 21:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Styrene	0.125	0.100	80.0	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.102	81.6	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.100	80.0	68.0-128	
Tetrachloroethene	0.125	0.101	80.8	70.0-136	
Toluene	0.125	0.101	80.8	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.0959	76.7	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.103	82.4	62.0-137	
1,1,1-Trichloroethane	0.125	0.106	84.8	69.0-126	
1,1,2-Trichloroethane	0.125	0.101	80.8	78.0-123	
Trichloroethene	0.125	0.0949	75.9	76.0-126	J4
Trichlorofluoromethane	0.125	0.106	84.8	61.0-142	
1,2,3-Trichloropropane	0.125	0.102	81.6	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.106	84.8	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.103	82.4	73.0-127	
Vinyl chloride	0.125	0.0942	75.4	63.0-134	
Xylenes, Total	0.375	0.303	80.8	72.0-127	
(S) Toluene-d8			96.1	75.0-131	
(S) 4-Bromofluorobenzene			98.9	67.0-138	
(S) 1,2-Dichloroethane-d4			88.3	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022611-3 01/11/24 20:26

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	0.00200	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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022611-3 01/11/24 20:26

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	102			75.0-131
(S) 4-Bromofluorobenzene	108			67.0-138
(S) 1,2-Dichloroethane-d4	82.1			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022611-1 01/11/24 18:50 • (LCSD) R4022611-2 01/11/24 19:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.502	0.491	80.3	78.6	10.0-160			2.22	31
Acrylonitrile	0.625	0.664	0.673	106	108	45.0-153			1.35	22
Benzene	0.125	0.134	0.127	107	102	70.0-123			5.36	20
Bromobenzene	0.125	0.123	0.123	98.4	98.4	73.0-121			0.000	20
Bromodichloromethane	0.125	0.137	0.131	110	105	73.0-121			4.48	20
Bromoform	0.125	0.137	0.138	110	110	64.0-132			0.727	20
Bromomethane	0.125	0.115	0.108	92.0	86.4	56.0-147			6.28	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022611-1 01/11/24 18:50 • (LCSD) R4022611-2 01/11/24 19:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.131	0.142	105	114	68.0-135			8.06	20
sec-Butylbenzene	0.125	0.128	0.132	102	106	74.0-130			3.08	20
tert-Butylbenzene	0.125	0.127	0.131	102	105	75.0-127			3.10	20
Carbon tetrachloride	0.125	0.130	0.132	104	106	66.0-128			1.53	20
Chlorobenzene	0.125	0.136	0.134	109	107	76.0-128			1.48	20
Chlorodibromomethane	0.125	0.132	0.133	106	106	74.0-127			0.755	20
Chloroethane	0.125	0.117	0.117	93.6	93.6	61.0-134			0.000	20
Chloroform	0.125	0.131	0.122	105	97.6	72.0-123			7.11	20
Chloromethane	0.125	0.152	0.112	122	89.6	51.0-138		J3	30.3	20
2-Chlorotoluene	0.125	0.130	0.124	104	99.2	75.0-124			4.72	20
4-Chlorotoluene	0.125	0.123	0.120	98.4	96.0	75.0-124			2.47	20
1,2-Dibromo-3-Chloropropane	0.125	0.101	0.100	80.8	80.0	59.0-130			0.995	20
1,2-Dibromoethane	0.125	0.139	0.135	111	108	74.0-128			2.92	20
Dibromomethane	0.125	0.139	0.127	111	102	75.0-122			9.02	20
1,2-Dichlorobenzene	0.125	0.129	0.126	103	101	76.0-124			2.35	20
1,3-Dichlorobenzene	0.125	0.125	0.123	100	98.4	76.0-125			1.61	20
1,4-Dichlorobenzene	0.125	0.123	0.122	98.4	97.6	77.0-121			0.816	20
Dichlorodifluoromethane	0.125	0.154	0.119	123	95.2	43.0-156		J3	25.6	20
1,1-Dichloroethane	0.125	0.136	0.132	109	106	70.0-127			2.99	20
1,2-Dichloroethane	0.125	0.120	0.112	96.0	89.6	65.0-131			6.90	20
1,1-Dichloroethene	0.125	0.127	0.128	102	102	65.0-131			0.784	20
cis-1,2-Dichloroethene	0.125	0.144	0.136	115	109	73.0-125			5.71	20
trans-1,2-Dichloroethene	0.125	0.141	0.138	113	110	71.0-125			2.15	20
1,2-Dichloropropane	0.125	0.139	0.140	111	112	74.0-125			0.717	20
1,1-Dichloropropene	0.125	0.129	0.134	103	107	73.0-125			3.80	20
1,3-Dichloropropane	0.125	0.135	0.134	108	107	80.0-125			0.743	20
cis-1,3-Dichloropropene	0.125	0.155	0.147	124	118	76.0-127			5.30	20
trans-1,3-Dichloropropene	0.125	0.138	0.131	110	105	73.0-127			5.20	20
2,2-Dichloropropane	0.125	0.142	0.137	114	110	59.0-135			3.58	20
Di-isopropyl ether	0.125	0.136	0.137	109	110	60.0-136			0.733	20
Ethylbenzene	0.125	0.132	0.131	106	105	74.0-126			0.760	20
Hexachloro-1,3-butadiene	0.125	0.126	0.132	101	106	57.0-150			4.65	20
Isopropylbenzene	0.125	0.137	0.139	110	111	72.0-127			1.45	20
p-Isopropyltoluene	0.125	0.131	0.131	105	105	72.0-133			0.000	20
2-Butanone (MEK)	0.625	0.615	0.670	98.4	107	30.0-160			8.56	24
Methylene Chloride	0.125	0.135	0.129	108	103	68.0-123			4.55	20
4-Methyl-2-pentanone (MIBK)	0.625	0.653	0.673	104	108	56.0-143			3.02	20
Methyl tert-butyl ether	0.125	0.132	0.129	106	103	66.0-132			2.30	20
Naphthalene	0.125	0.115	0.119	92.0	95.2	59.0-130			3.42	20
n-Propylbenzene	0.125	0.123	0.124	98.4	99.2	74.0-126			0.810	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022611-1 01/11/24 18:50 • (LCSD) R4022611-2 01/11/24 19:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Styrene	0.125	0.131	0.133	105	106	72.0-127			1.52	20
1,1,1,2-Tetrachloroethane	0.125	0.127	0.127	102	102	74.0-129			0.000	20
1,1,2,2-Tetrachloroethane	0.125	0.125	0.118	100	94.4	68.0-128			5.76	20
Tetrachloroethene	0.125	0.128	0.133	102	106	70.0-136			3.83	20
Toluene	0.125	0.129	0.127	103	102	75.0-121			1.56	20
1,2,3-Trichlorobenzene	0.125	0.102	0.113	81.6	90.4	59.0-139			10.2	20
1,2,4-Trichlorobenzene	0.125	0.110	0.107	88.0	85.6	62.0-137			2.76	20
1,1,1-Trichloroethane	0.125	0.130	0.128	104	102	69.0-126			1.55	20
1,1,2-Trichloroethane	0.125	0.133	0.129	106	103	78.0-123			3.05	20
Trichloroethene	0.125	0.135	0.135	108	108	76.0-126			0.000	20
Trichlorofluoromethane	0.125	0.119	0.118	95.2	94.4	61.0-142			0.844	20
1,2,3-Trichloropropane	0.125	0.123	0.116	98.4	92.8	67.0-129			5.86	20
1,2,4-Trimethylbenzene	0.125	0.127	0.126	102	101	70.0-126			0.791	20
1,3,5-Trimethylbenzene	0.125	0.128	0.127	102	102	73.0-127			0.784	20
Vinyl chloride	0.125	0.141	0.118	113	94.4	63.0-134			17.8	20
Xylenes, Total	0.375	0.402	0.408	107	109	72.0-127			1.48	20
<i>(S) Toluene-d8</i>				99.5	98.8	75.0-131				
<i>(S) 4-Bromofluorobenzene</i>				108	108	67.0-138				
<i>(S) 1,2-Dichloroethane-d4</i>				94.0	86.8	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023903-2 01/12/24 17:41

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023903-2 01/12/24 17:41

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	75.4			12.0-120
(S) Phenol-d5	71.0			10.0-120
(S) Nitrobenzene-d5	66.7			10.0-122
(S) 2-Fluorobiphenyl	65.5			15.0-120
(S) 2,4,6-Tribromophenol	57.5			10.0-127
(S) p-Terphenyl-d14	76.0			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4023903-1 01/12/24 17:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.518	77.8	38.0-120	
Acenaphthylene	0.666	0.530	79.6	40.0-120	
Anthracene	0.666	0.577	86.6	42.0-120	
Benzidine	1.33	0.522	39.2	10.0-120	
Benzo(a)anthracene	0.666	0.571	85.7	44.0-120	
Benzo(b)fluoranthene	0.666	0.562	84.4	43.0-120	
Benzo(k)fluoranthene	0.666	0.547	82.1	44.0-120	
Benzo(g,h,i)perylene	0.666	0.613	92.0	43.0-120	
Benzo(a)pyrene	0.666	0.563	84.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.450	67.6	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.541	81.2	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.509	76.4	23.0-120	
4-Bromophenyl-phenylether	0.666	0.508	76.3	40.0-120	
2-Chloronaphthalene	0.666	0.507	76.1	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4023903-1 01/12/24 17:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.529	79.4	40.0-120	
Chrysene	0.666	0.548	82.3	43.0-120	
Dibenz(a,h)anthracene	0.666	0.573	86.0	44.0-120	
3,3-Dichlorobenzidine	1.33	0.955	71.8	28.0-120	
2,4-Dinitrotoluene	0.666	0.631	94.7	45.0-120	
2,6-Dinitrotoluene	0.666	0.588	88.3	42.0-120	
Fluoranthene	0.666	0.554	83.2	44.0-120	
Fluorene	0.666	0.542	81.4	41.0-120	
Hexachlorobenzene	0.666	0.498	74.8	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.398	59.8	15.0-120	
Hexachlorocyclopentadiene	0.666	0.572	85.9	15.0-120	
Hexachloroethane	0.666	0.496	74.5	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.535	80.3	45.0-120	
Isophorone	0.666	0.467	70.1	23.0-120	
Naphthalene	0.666	0.428	64.3	18.0-120	
Nitrobenzene	0.666	0.464	69.7	17.0-120	
n-Nitrosodimethylamine	0.666	0.574	86.2	10.0-125	
n-Nitrosodiphenylamine	0.666	0.557	83.6	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.569	85.4	26.0-120	
Phenanthrene	0.666	0.550	82.6	42.0-120	
Benzylbutyl phthalate	0.666	0.627	94.1	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.655	98.3	41.0-120	
Di-n-butyl phthalate	0.666	0.592	88.9	43.0-120	
Diethyl phthalate	0.666	0.567	85.1	43.0-120	
Dimethyl phthalate	0.666	0.560	84.1	43.0-120	
Di-n-octyl phthalate	0.666	0.651	97.7	40.0-120	
Pyrene	0.666	0.588	88.3	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.406	61.0	17.0-120	
4-Chloro-3-methylphenol	0.666	0.464	69.7	28.0-120	
2-Chlorophenol	0.666	0.543	81.5	28.0-120	
2,4-Dichlorophenol	0.666	0.428	64.3	25.0-120	
2,4-Dimethylphenol	0.666	0.697	105	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.514	77.2	16.0-120	
2,4-Dinitrophenol	0.666	0.371	55.7	10.0-120	
2-Nitrophenol	0.666	0.456	68.5	20.0-120	
4-Nitrophenol	0.666	0.565	84.8	27.0-120	
Pentachlorophenol	0.666	0.428	64.3	29.0-120	
Phenol	0.666	0.536	80.5	28.0-120	
2,4,6-Trichlorophenol	0.666	0.498	74.8	37.0-120	
(S) 2-Fluorophenol			85.9	12.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4023903-1 01/12/24 17:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			83.8	10.0-120	
(S) Nitrobenzene-d5			76.9	10.0-122	
(S) 2-Fluorobiphenyl			79.3	15.0-120	
(S) 2,4,6-Tribromophenol			74.0	10.0-127	
(S) p-Terphenyl-d14			84.4	10.0-120	

L1694719-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694719-04 01/12/24 20:56 • (MS) R4023903-3 01/12/24 21:21 • (MSD) R4023903-4 01/12/24 21:45

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	0.757	ND	0.416	0.439	54.9	57.8	1	18.0-120			5.43	32
Acenaphthylene	0.757	ND	0.421	0.449	55.7	59.2	1	25.0-120			6.40	32
Anthracene	0.757	ND	0.457	0.490	60.4	64.5	1	22.0-120			6.86	29
Benzidine	1.51	ND	ND	ND	35.2	32.2	1	10.0-120			8.18	40
Benzo(a)anthracene	0.757	ND	0.463	0.495	61.2	65.1	1	25.0-120			6.55	29
Benzo(b)fluoranthene	0.757	ND	0.452	0.478	59.7	63.0	1	19.0-122			5.74	31
Benzo(k)fluoranthene	0.757	ND	0.430	0.464	56.7	61.2	1	23.0-120			7.79	30
Benzo(g,h,i)perylene	0.757	ND	0.436	0.469	57.7	61.8	1	10.0-120			7.18	33
Benzo(a)pyrene	0.757	ND	0.452	0.482	59.7	63.5	1	24.0-120			6.47	30
Bis(2-chlorethoxy)methane	0.757	ND	ND	0.394	49.1	51.8	1	10.0-120			5.77	34
Bis(2-chloroethyl)ether	0.757	ND	0.421	0.439	55.7	57.8	1	10.0-120			4.05	40
2,2-Oxybis(1-Chloropropane)	0.757	ND	0.410	0.410	54.1	54.0	1	10.0-120			0.000	40
4-Bromophenyl-phenylether	0.757	ND	0.410	0.445	54.1	58.6	1	27.0-120			8.15	30
2-Chloronaphthalene	0.757	ND	0.409	0.431	54.0	56.7	1	20.0-120			5.26	32
4-Chlorophenyl-phenylether	0.757	ND	0.421	0.443	55.7	58.4	1	24.0-120			5.10	29
Chrysene	0.757	ND	0.440	0.476	58.1	62.7	1	21.0-120			7.86	29
Dibenz(a,h)anthracene	0.757	ND	0.428	0.465	56.6	61.3	1	10.0-120			8.31	32
3,3-Dichlorobenzidine	1.51	ND	0.897	0.966	59.5	63.5	1	10.0-120			7.35	34
2,4-Dinitrotoluene	0.757	ND	0.504	0.534	66.6	70.3	1	30.0-120			5.82	31
2,6-Dinitrotoluene	0.757	ND	0.454	0.493	60.0	65.0	1	25.0-120			8.33	31
Fluoranthene	0.757	ND	0.450	0.479	59.5	63.1	1	18.0-126			6.24	32
Fluorene	0.757	ND	0.430	0.462	56.7	60.9	1	25.0-120			7.29	30
Hexachlorobenzene	0.757	ND	0.407	0.424	53.8	55.8	1	27.0-120			3.91	28
Hexachloro-1,3-butadiene	0.757	ND	ND	ND	43.4	45.7	1	10.0-120			5.50	38
Hexachlorocyclopentadiene	0.757	ND	ND	ND	33.4	36.2	1	10.0-120			8.35	40
Hexachloroethane	0.757	ND	ND	0.409	50.6	53.8	1	10.0-120			6.45	40
Indeno(1,2,3-cd)pyrene	0.757	ND	0.397	0.423	52.5	55.7	1	10.0-120			6.23	32
Isophorone	0.757	ND	0.387	0.406	51.1	53.5	1	13.0-120			4.98	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1694719-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694719-04 01/12/24 20:56 • (MS) R4023903-3 01/12/24 21:21 • (MSD) R4023903-4 01/12/24 21:45

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	0.757	ND	0.356	0.370	47.1	48.8	1	10.0-120			3.83	35
Nitrobenzene	0.757	ND	ND	0.399	50.2	52.6	1	10.0-120			5.07	36
n-Nitrosodimethylamine	0.757	ND	0.420	0.446	55.5	58.7	1	10.0-127			5.90	40
n-Nitrosodiphenylamine	0.757	ND	0.452	0.478	59.7	63.0	1	17.0-120			5.74	29
n-Nitrosodi-n-propylamine	0.757	ND	0.468	0.465	61.8	61.3	1	10.0-120			0.498	37
Phenanthrene	0.757	ND	0.445	0.468	58.7	61.6	1	17.0-120			5.09	31
Benzylbutyl phthalate	0.757	ND	0.521	0.553	68.9	72.8	1	23.0-120			5.84	30
Bis(2-ethylhexyl)phthalate	0.757	ND	0.528	0.566	69.8	74.6	1	17.0-126			7.00	30
Di-n-butyl phthalate	0.757	ND	0.476	0.508	62.9	67.0	1	30.0-120			6.60	29
Diethyl phthalate	0.757	ND	0.452	0.490	59.7	64.5	1	26.0-120			8.14	28
Dimethyl phthalate	0.757	ND	0.447	0.484	59.0	63.8	1	25.0-120			7.98	29
Di-n-octyl phthalate	0.757	ND	0.540	0.585	71.3	77.1	1	21.0-123			8.05	29
Pyrene	0.757	ND	0.468	0.500	61.8	65.9	1	16.0-121			6.71	32
1,2,4-Trichlorobenzene	0.757	ND	ND	ND	44.3	46.9	1	12.0-120			6.04	37
4-Chloro-3-methylphenol	0.757	ND	0.390	0.402	51.5	52.9	1	15.0-120			2.93	30
2-Chlorophenol	0.757	ND	0.436	0.447	57.7	58.9	1	15.0-120			2.37	37
2,4-Dichlorophenol	0.757	ND	ND	ND	48.2	50.2	1	20.0-120			4.36	31
2,4-Dimethylphenol	0.757	ND	0.598	0.615	79.0	81.0	1	10.0-120			2.87	33
4,6-Dinitro-2-methylphenol	0.757	ND	ND	ND	35.1	41.0	1	10.0-120			15.7	39
2,4-Dinitrophenol	0.757	ND	ND	ND	26.5	32.0	1	10.0-121			18.8	40
2-Nitrophenol	0.757	ND	ND	0.399	50.2	52.6	1	12.0-120			5.07	39
4-Nitrophenol	0.757	ND	0.476	0.512	62.9	67.4	1	10.0-137			7.29	32
Pentachlorophenol	0.757	ND	0.398	0.432	52.6	56.9	1	10.0-160			8.11	31
Phenol	0.757	ND	0.427	0.431	56.4	56.7	1	12.0-120			0.812	38
2,4,6-Trichlorophenol	0.757	ND	0.407	0.425	53.8	56.0	1	19.0-120			4.18	32
(S) 2-Fluorophenol					62.0	63.6		12.0-120				
(S) Phenol-d5					59.8	61.0		10.0-120				
(S) Nitrobenzene-d5					45.4	50.8		10.0-122				
(S) 2-Fluorobiphenyl					54.6	58.7		15.0-120				
(S) 2,4,6-Tribromophenol					53.8	58.1		10.0-127				
(S) p-Terphenyl-d14					59.5	64.8		10.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
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
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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	LA000356
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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@concurrency.com)

Pres
 Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

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 #
23050630

Lab Project #
SMERLNC-NORTHGATE

Collected by (print):
Chelsea Parra

Site/Facility ID #

P.O. #

Collected by (signature):

 Immediately Packed on Ice **N** **Y**

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
 No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
82S-SB-01	C	SS	0-1	118124	1435	4
82S-SB-02		SS			1425	4
82S-SB-03		SS			1430	4
82S-SB-04		SS			1445	4
82S-SB-05		SS			1450	4
82S-SB-06		SS			1500	4
82S-SB-07		SS			1505	4
82S-SB-30		SS			1130	4
82S-SB-55		SS			1225	4
82S-SB-56		SS			1135	4

Metals 20zClr-NoPres	SPLP/TCLP GOLD 40zClr-NoPres	SV8270, TS 40zClr-NoPres	V8260 40mlAmb-HCl-BIK	V8260 40mlAmb/MeOH10ml/Syr	SV06S 8270	18 Metals 6020	Mercury 7471	Hex. Chrom 7199
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Pace
 PEOPLE ADVANCING SCIENCE
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/hubs/pas-standard-terms.pdf>

SDG # **11694715**
E216

Acctnum: **SMERLNC**
 Template: **T243915**
 Prelogin: **P1044755**
 PM: **034 - Craig Cothron**
 PB:

Shipped Via: **FedEX Ground**

Remarks	Sample # (lab only)
	-01
	-02
	-03
	-04
	-05
	-06
	-07
	-12
	-08
	-09


* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
SPLP / TCLP on hold
 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 # **7155 0296 0223**

Relinquished by: (Signature)


Date: **118124**
 Time: **1630**

Received by: (Signature)

Trip Blank Received: Yes No
 HCl / MeOH
 TBR

Relinquished by: (Signature)

Date: _____
 Time: _____

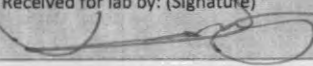
Received by: (Signature)

Temp: **21.4°C**
1.8-1.0 = 1.4
 Bottles Received: **40**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: _____
 Time: _____

Received for lab by: (Signature)


Date: **1.9.24**
 Time: **0930**

Condition:
 NCF / OK

110

**3201 Spring Forest Road
Raleigh, NC 27616**

(smeinc_invoice@concursolution.com)
Email To: **jpaul@smeinc.com**

Report to: **Mr. Jerry Paul**

Please Circle: **PT MT CT ET**

Project Description: **Northgate Park**

City/State Collected: **Durham, NC**

Please Circle: **PT MT CT ET**

Phone: **919-872-2660**

Client Project #: **23050630**

Lab Project #: **SMERLNC-NORTHGATE**

Collected by (print): **Chelsea Parra**

Site/Facility ID #

P.O. #

Collected by (signature): **CP**
Immediately Packed on Ice **N** Y

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	Cntrs	Metals 2ozClr-NoPres	SPLP/TCLP 4ozClr-NoPres	SV8270, TS 4ozClr-NoPres	V8260 40mlAmb-HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr	SV065 8270	18 Metals 6020	Mercury 7471	Hex. Chromi-7199
825-SB-57	C	SS	0-1	118124	1230	4	X	X	X	X	X	X	X	X	X
825 Trip Blank		GW-SS				4	X	X	X	X	X				
		SS				4	X	X	X	X	X				
		SS				4	X	X	X	X	X				
		SS				4	X	X	X	X	X				
		SS				4	X	X	X	X	X				
		SS				4	X	X	X	X	X				
		SS				4	X	X	X	X	X				
		SS				4	X	X	X	X	X				

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: **Samp it up on hold**
 pH _____ Temp _____
 Flow _____ Other _____
 Samples returned via: UPS FedEx Courier
 Tracking # **7195 0298 2323**

Sample Receipt Checklist
 Correctly labeled Present/Intact: Y N
 Correctly signed/Accurate: X 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) **CP**
 Date: **118124** Time: **1630**

Received by: (Signature) _____
 Date: _____ Time: _____

Trip Blank Received: Yes No
 HCL MeOH TBR
 Temp: **16.8°C** Bottles Received: **40**
 Log = 0.18
 Date: **1.9.24** Time: **0730**

If preservation required by Login: Date/Time
 Condition: **NCE / OK**

Pace
 PEOPLE ADVANCING SCIENCE
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 # **WLA4715**
 Table #
 Acctnum: **SMERLNC**
 Template: **T243915**
 Prelogin: **P1044755**
 PM: **034 - Craig Cothron**
 PB:
 Shipped Via: **FedEX Ground**

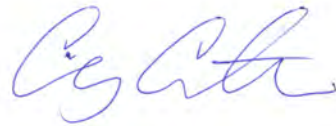
Remarks Sample # (lab only)

S&ME Inc. - Raleigh NC

Sample Delivery Group: L1694720
Samples Received: 01/09/2024
Project Number: 23050630
Description: Northgate Park

Report To: Mr. Jerry Paul
3201 Spring Forest Road
Raleigh, NC 27616

Entire Report Reviewed By:



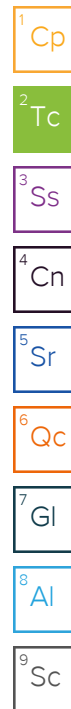
Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

825-SB-58 L1694720-01 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 12:35
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204531	1	01/11/24 07:55	01/11/24 08:00	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204091	1	01/10/24 23:31	01/11/24 11:21	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204736	1	01/10/24 18:03	01/11/24 10:45	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 20:17	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1.28	01/08/24 12:35	01/11/24 22:53	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205036	1	01/11/24 07:59	01/11/24 16:35	ALM	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

825-SB-59 L1694720-02 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 12:40
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204531	1	01/11/24 07:55	01/11/24 08:00	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204091	1	01/10/24 23:31	01/11/24 11:28	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204736	1	01/10/24 18:03	01/11/24 10:47	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 20:20	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1	01/08/24 12:40	01/11/24 23:12	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205036	20	01/11/24 07:59	01/20/24 21:47	JCH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205036	5	01/11/24 07:59	01/11/24 21:00	ALM	Mt. Juliet, TN

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

825-SB-60 L1694720-03 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 12:45
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204531	1	01/11/24 07:55	01/11/24 08:00	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204934	1	01/10/24 23:28	01/11/24 12:48	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204736	1	01/10/24 18:03	01/11/24 10:50	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 20:24	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1	01/08/24 12:45	01/11/24 23:31	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205036	2	01/11/24 07:59	01/11/24 20:11	ALM	Mt. Juliet, TN

825-SB-61 L1694720-04 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 12:50
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204531	1	01/11/24 07:55	01/11/24 08:00	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204934	1	01/10/24 23:28	01/11/24 12:54	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204736	1	01/10/24 18:03	01/11/24 10:52	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 20:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1	01/08/24 12:50	01/11/24 23:51	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205036	1	01/11/24 07:59	01/11/24 16:59	ALM	Mt. Juliet, TN

825-SB-62 L1694720-05 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 12:55
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204531	1	01/11/24 07:55	01/11/24 08:00	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204934	1	01/10/24 23:28	01/11/24 13:00	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204736	1	01/10/24 18:03	01/11/24 10:55	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 20:38	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1.24	01/08/24 12:55	01/12/24 00:10	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205036	1	01/11/24 07:59	01/11/24 17:23	ALM	Mt. Juliet, TN

SAMPLE SUMMARY

825-SB-63 L1694720-06 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 13:00
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204531	1	01/11/24 07:55	01/11/24 08:00	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204934	1	01/10/24 23:28	01/11/24 13:06	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204736	1	01/10/24 18:03	01/11/24 10:57	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 20:41	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1	01/08/24 13:00	01/12/24 00:29	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205036	1	01/11/24 07:59	01/11/24 17:47	ALM	Mt. Juliet, TN



825-SB-64 L1694720-07 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 13:05
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204687	1	01/10/24 16:01	01/10/24 16:15	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204934	1	01/10/24 23:28	01/11/24 13:13	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204736	1	01/10/24 18:03	01/11/24 11:04	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 20:45	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1.05	01/08/24 13:05	01/12/24 00:48	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205036	2	01/11/24 07:59	01/11/24 20:36	ALM	Mt. Juliet, TN

825-SB-128 L1694720-08 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 10:50
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204687	1	01/10/24 16:01	01/10/24 16:15	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204934	1	01/10/24 23:28	01/11/24 13:19	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204736	1	01/10/24 18:03	01/11/24 11:07	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 20:48	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1	01/08/24 10:50	01/12/24 01:07	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205036	1	01/11/24 07:59	01/11/24 18:11	ALM	Mt. Juliet, TN

825-SB-129 L1694720-09 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 10:55
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204687	1	01/10/24 16:01	01/10/24 16:15	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204934	1	01/10/24 23:28	01/11/24 13:25	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204736	1	01/10/24 18:03	01/11/24 11:09	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 20:51	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1	01/08/24 10:55	01/12/24 01:25	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205036	1	01/11/24 07:59	01/11/24 18:35	ALM	Mt. Juliet, TN

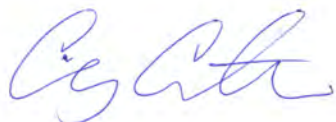
TRIP BLANK L1694720-10 GW

Collected by Chelsea Parra
 Collected date/time 01/08/24 00:00
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204507	1	01/10/24 14:08	01/10/24 14:08	JHH	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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.9		1	01/11/2024 08:00	WG2204531

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.30		1.28	1	01/11/2024 11:21	WG2204091

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0595		0.0513	1	01/11/2024 10:45	WG2204736

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.85	5	01/29/2024 20:17	WG2204929
Arsenic	ND		1.28	5	01/29/2024 20:17	WG2204929
Barium	87.8		3.21	5	01/29/2024 20:17	WG2204929
Beryllium	ND		3.21	5	01/29/2024 20:17	WG2204929
Cadmium	ND		1.28	5	01/29/2024 20:17	WG2204929
Chromium	25.4		6.42	5	01/29/2024 20:17	WG2204929
Cobalt	12.3		1.28	5	01/29/2024 20:17	WG2204929
Copper	18.8		6.42	5	01/29/2024 20:17	WG2204929
Lead	26.1		2.57	5	01/29/2024 20:17	WG2204929
Manganese	529		3.21	5	01/29/2024 20:17	WG2204929
Nickel	13.3		3.21	5	01/29/2024 20:17	WG2204929
Selenium	ND		3.21	5	01/29/2024 20:17	WG2204929
Silver	ND		0.642	5	01/29/2024 20:17	WG2204929
Thallium	ND		2.57	5	01/29/2024 20:17	WG2204929
Vanadium	36.5		3.21	5	01/29/2024 20:17	WG2204929
Zinc	34.1		32.1	5	01/29/2024 20:17	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0963	1.28	01/11/2024 22:53	WG2205793
Acrylonitrile	ND		0.0241	1.28	01/11/2024 22:53	WG2205793
Benzene	ND		0.00193	1.28	01/11/2024 22:53	WG2205793
Bromobenzene	ND		0.0241	1.28	01/11/2024 22:53	WG2205793
Bromodichloromethane	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
Bromoform	ND		0.0482	1.28	01/11/2024 22:53	WG2205793
Bromomethane	ND		0.0241	1.28	01/11/2024 22:53	WG2205793
n-Butylbenzene	ND		0.0241	1.28	01/11/2024 22:53	WG2205793
sec-Butylbenzene	ND		0.0241	1.28	01/11/2024 22:53	WG2205793
tert-Butylbenzene	ND		0.00963	1.28	01/11/2024 22:53	WG2205793
Carbon tetrachloride	ND		0.00963	1.28	01/11/2024 22:53	WG2205793
Chlorobenzene	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
Chlorodibromomethane	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
Chloroethane	ND		0.00963	1.28	01/11/2024 22:53	WG2205793
Chloroform	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
Chloromethane	ND	J3	0.0241	1.28	01/11/2024 22:53	WG2205793
2-Chlorotoluene	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
4-Chlorotoluene	ND		0.00963	1.28	01/11/2024 22:53	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0482	1.28	01/11/2024 22:53	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
Dibromomethane	ND		0.00963	1.28	01/11/2024 22:53	WG2205793
1,2-Dichlorobenzene	ND		0.00963	1.28	01/11/2024 22:53	WG2205793
1,3-Dichlorobenzene	ND		0.00963	1.28	01/11/2024 22:53	WG2205793
1,4-Dichlorobenzene	ND		0.00963	1.28	01/11/2024 22:53	WG2205793
Dichlorodifluoromethane	ND	J3	0.00963	1.28	01/11/2024 22:53	WG2205793
1,1-Dichloroethane	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
1,2-Dichloroethane	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
1,1-Dichloroethene	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
cis-1,2-Dichloroethene	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
trans-1,2-Dichloroethene	ND		0.00963	1.28	01/11/2024 22:53	WG2205793
1,2-Dichloropropane	ND		0.00963	1.28	01/11/2024 22:53	WG2205793
1,1-Dichloropropene	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
1,3-Dichloropropane	ND		0.00963	1.28	01/11/2024 22:53	WG2205793
cis-1,3-Dichloropropene	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
trans-1,3-Dichloropropene	ND		0.00963	1.28	01/11/2024 22:53	WG2205793
2,2-Dichloropropane	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
Di-isopropyl ether	ND		0.00193	1.28	01/11/2024 22:53	WG2205793
Ethylbenzene	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
Hexachloro-1,3-butadiene	ND		0.0482	1.28	01/11/2024 22:53	WG2205793
Isopropylbenzene	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
p-Isopropyltoluene	ND		0.00963	1.28	01/11/2024 22:53	WG2205793
2-Butanone (MEK)	ND		0.193	1.28	01/11/2024 22:53	WG2205793
Methylene Chloride	ND		0.0482	1.28	01/11/2024 22:53	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0482	1.28	01/11/2024 22:53	WG2205793
Methyl tert-butyl ether	ND		0.00193	1.28	01/11/2024 22:53	WG2205793
Naphthalene	ND		0.0241	1.28	01/11/2024 22:53	WG2205793
n-Propylbenzene	ND		0.00963	1.28	01/11/2024 22:53	WG2205793
Styrene	ND		0.0241	1.28	01/11/2024 22:53	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
Tetrachloroethene	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
Toluene	ND		0.00963	1.28	01/11/2024 22:53	WG2205793
1,2,3-Trichlorobenzene	ND		0.0241	1.28	01/11/2024 22:53	WG2205793
1,2,4-Trichlorobenzene	ND		0.0241	1.28	01/11/2024 22:53	WG2205793
1,1,1-Trichloroethane	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
1,1,2-Trichloroethane	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
Trichloroethene	ND		0.00193	1.28	01/11/2024 22:53	WG2205793
Trichlorofluoromethane	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
1,2,3-Trichloropropane	ND		0.0241	1.28	01/11/2024 22:53	WG2205793
1,2,4-Trimethylbenzene	ND		0.00963	1.28	01/11/2024 22:53	WG2205793
1,3,5-Trimethylbenzene	ND		0.00963	1.28	01/11/2024 22:53	WG2205793
Vinyl chloride	ND		0.00482	1.28	01/11/2024 22:53	WG2205793
Xylenes, Total	ND		0.0125	1.28	01/11/2024 22:53	WG2205793
(S) Toluene-d8	100		75.0-131		01/11/2024 22:53	WG2205793
(S) 4-Bromofluorobenzene	112		67.0-138		01/11/2024 22:53	WG2205793
(S) 1,2-Dichloroethane-d4	83.0		70.0-130		01/11/2024 22:53	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0427	1	01/11/2024 16:35	WG2205036
Acenaphthylene	ND		0.0427	1	01/11/2024 16:35	WG2205036
Anthracene	ND		0.0427	1	01/11/2024 16:35	WG2205036
Benzidine	ND		2.14	1	01/11/2024 16:35	WG2205036
Benzo(a)anthracene	0.163		0.0427	1	01/11/2024 16:35	WG2205036

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.195		0.0427	1	01/11/2024 16:35	WG2205036
Benzo(k)fluoranthene	0.0660		0.0427	1	01/11/2024 16:35	WG2205036
Benzo(g,h,i)perylene	0.105		0.0427	1	01/11/2024 16:35	WG2205036
Benzo(a)pyrene	0.150		0.0427	1	01/11/2024 16:35	WG2205036
Bis(2-chloroethoxy)methane	ND		0.427	1	01/11/2024 16:35	WG2205036
Bis(2-chloroethyl)ether	ND		0.427	1	01/11/2024 16:35	WG2205036
2,2-Oxybis(1-Chloropropane)	ND		0.427	1	01/11/2024 16:35	WG2205036
4-Bromophenyl-phenylether	ND		0.427	1	01/11/2024 16:35	WG2205036
2-Chloronaphthalene	ND		0.0427	1	01/11/2024 16:35	WG2205036
4-Chlorophenyl-phenylether	ND		0.427	1	01/11/2024 16:35	WG2205036
Chrysene	0.168		0.0427	1	01/11/2024 16:35	WG2205036
Dibenz(a,h)anthracene	ND		0.0427	1	01/11/2024 16:35	WG2205036
3,3-Dichlorobenzidine	ND		0.427	1	01/11/2024 16:35	WG2205036
2,4-Dinitrotoluene	ND		0.427	1	01/11/2024 16:35	WG2205036
2,6-Dinitrotoluene	ND		0.427	1	01/11/2024 16:35	WG2205036
Fluoranthene	0.344		0.0427	1	01/11/2024 16:35	WG2205036
Fluorene	ND		0.0427	1	01/11/2024 16:35	WG2205036
Hexachlorobenzene	ND		0.427	1	01/11/2024 16:35	WG2205036
Hexachloro-1,3-butadiene	ND		0.427	1	01/11/2024 16:35	WG2205036
Hexachlorocyclopentadiene	ND		0.427	1	01/11/2024 16:35	WG2205036
Hexachloroethane	ND		0.427	1	01/11/2024 16:35	WG2205036
Indeno(1,2,3-cd)pyrene	0.106		0.0427	1	01/11/2024 16:35	WG2205036
Isophorone	ND		0.427	1	01/11/2024 16:35	WG2205036
Naphthalene	ND		0.0427	1	01/11/2024 16:35	WG2205036
Nitrobenzene	ND		0.427	1	01/11/2024 16:35	WG2205036
n-Nitrosodimethylamine	ND		0.427	1	01/11/2024 16:35	WG2205036
n-Nitrosodiphenylamine	ND		0.427	1	01/11/2024 16:35	WG2205036
n-Nitrosodi-n-propylamine	ND		0.427	1	01/11/2024 16:35	WG2205036
Phenanthrene	0.207		0.0427	1	01/11/2024 16:35	WG2205036
Benzylbutyl phthalate	ND		0.427	1	01/11/2024 16:35	WG2205036
Bis(2-ethylhexyl)phthalate	ND		0.427	1	01/11/2024 16:35	WG2205036
Di-n-butyl phthalate	ND		0.427	1	01/11/2024 16:35	WG2205036
Diethyl phthalate	ND		0.427	1	01/11/2024 16:35	WG2205036
Dimethyl phthalate	ND		0.427	1	01/11/2024 16:35	WG2205036
Di-n-octyl phthalate	ND		0.427	1	01/11/2024 16:35	WG2205036
Pyrene	0.336		0.0427	1	01/11/2024 16:35	WG2205036
1,2,4-Trichlorobenzene	ND		0.427	1	01/11/2024 16:35	WG2205036
4-Chloro-3-methylphenol	ND		0.427	1	01/11/2024 16:35	WG2205036
2-Chlorophenol	ND		0.427	1	01/11/2024 16:35	WG2205036
2,4-Dichlorophenol	ND		0.427	1	01/11/2024 16:35	WG2205036
2,4-Dimethylphenol	ND		0.427	1	01/11/2024 16:35	WG2205036
4,6-Dinitro-2-methylphenol	ND		0.427	1	01/11/2024 16:35	WG2205036
2,4-Dinitrophenol	ND		0.427	1	01/11/2024 16:35	WG2205036
2-Nitrophenol	ND		0.427	1	01/11/2024 16:35	WG2205036
4-Nitrophenol	ND		0.427	1	01/11/2024 16:35	WG2205036
Pentachlorophenol	ND		0.427	1	01/11/2024 16:35	WG2205036
Phenol	ND		0.427	1	01/11/2024 16:35	WG2205036
2,4,6-Trichlorophenol	ND		0.427	1	01/11/2024 16:35	WG2205036
(S) 2-Fluorophenol	60.6		12.0-120		01/11/2024 16:35	WG2205036
(S) Phenol-d5	55.6		10.0-120		01/11/2024 16:35	WG2205036
(S) Nitrobenzene-d5	58.8		10.0-122		01/11/2024 16:35	WG2205036
(S) 2-Fluorobiphenyl	61.5		15.0-120		01/11/2024 16:35	WG2205036
(S) 2,4,6-Tribromophenol	73.6		10.0-127		01/11/2024 16:35	WG2205036
(S) p-Terphenyl-d14	68.5		10.0-120		01/11/2024 16:35	WG2205036

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.8		1	01/11/2024 08:00	WG2204531

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.21	1	01/11/2024 11:28	WG2204091

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.105		0.0483	1	01/11/2024 10:47	WG2204736

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.62	5	01/29/2024 20:20	WG2204929
Arsenic	1.49		1.21	5	01/29/2024 20:20	WG2204929
Barium	72.8		3.02	5	01/29/2024 20:20	WG2204929
Beryllium	ND		3.02	5	01/29/2024 20:20	WG2204929
Cadmium	ND		1.21	5	01/29/2024 20:20	WG2204929
Chromium	14.4		6.04	5	01/29/2024 20:20	WG2204929
Cobalt	6.25		1.21	5	01/29/2024 20:20	WG2204929
Copper	14.9		6.04	5	01/29/2024 20:20	WG2204929
Lead	38.6		2.42	5	01/29/2024 20:20	WG2204929
Manganese	256		3.02	5	01/29/2024 20:20	WG2204929
Nickel	8.09		3.02	5	01/29/2024 20:20	WG2204929
Selenium	ND		3.02	5	01/29/2024 20:20	WG2204929
Silver	ND		0.604	5	01/29/2024 20:20	WG2204929
Thallium	ND		2.42	5	01/29/2024 20:20	WG2204929
Vanadium	22.5		3.02	5	01/29/2024 20:20	WG2204929
Zinc	48.9		30.2	5	01/29/2024 20:20	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0739	1	01/11/2024 23:12	WG2205793
Acrylonitrile	ND		0.0185	1	01/11/2024 23:12	WG2205793
Benzene	ND		0.00148	1	01/11/2024 23:12	WG2205793
Bromobenzene	ND		0.0185	1	01/11/2024 23:12	WG2205793
Bromodichloromethane	ND		0.00369	1	01/11/2024 23:12	WG2205793
Bromoform	ND		0.0369	1	01/11/2024 23:12	WG2205793
Bromomethane	ND		0.0185	1	01/11/2024 23:12	WG2205793
n-Butylbenzene	ND		0.0185	1	01/11/2024 23:12	WG2205793
sec-Butylbenzene	ND		0.0185	1	01/11/2024 23:12	WG2205793
tert-Butylbenzene	ND		0.00739	1	01/11/2024 23:12	WG2205793
Carbon tetrachloride	ND		0.00739	1	01/11/2024 23:12	WG2205793
Chlorobenzene	ND		0.00369	1	01/11/2024 23:12	WG2205793
Chlorodibromomethane	ND		0.00369	1	01/11/2024 23:12	WG2205793
Chloroethane	ND		0.00739	1	01/11/2024 23:12	WG2205793
Chloroform	ND		0.00369	1	01/11/2024 23:12	WG2205793
Chloromethane	ND	J3	0.0185	1	01/11/2024 23:12	WG2205793
2-Chlorotoluene	ND		0.00369	1	01/11/2024 23:12	WG2205793
4-Chlorotoluene	ND		0.00739	1	01/11/2024 23:12	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0369	1	01/11/2024 23:12	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00369	1	01/11/2024 23:12	WG2205793
Dibromomethane	ND		0.00739	1	01/11/2024 23:12	WG2205793
1,2-Dichlorobenzene	ND		0.00739	1	01/11/2024 23:12	WG2205793
1,3-Dichlorobenzene	ND		0.00739	1	01/11/2024 23:12	WG2205793
1,4-Dichlorobenzene	ND		0.00739	1	01/11/2024 23:12	WG2205793
Dichlorodifluoromethane	ND	J3	0.00739	1	01/11/2024 23:12	WG2205793
1,1-Dichloroethane	ND		0.00369	1	01/11/2024 23:12	WG2205793
1,2-Dichloroethane	ND		0.00369	1	01/11/2024 23:12	WG2205793
1,1-Dichloroethene	ND		0.00369	1	01/11/2024 23:12	WG2205793
cis-1,2-Dichloroethene	ND		0.00369	1	01/11/2024 23:12	WG2205793
trans-1,2-Dichloroethene	ND		0.00739	1	01/11/2024 23:12	WG2205793
1,2-Dichloropropane	ND		0.00739	1	01/11/2024 23:12	WG2205793
1,1-Dichloropropene	ND		0.00369	1	01/11/2024 23:12	WG2205793
1,3-Dichloropropane	ND		0.00739	1	01/11/2024 23:12	WG2205793
cis-1,3-Dichloropropene	ND		0.00369	1	01/11/2024 23:12	WG2205793
trans-1,3-Dichloropropene	ND		0.00739	1	01/11/2024 23:12	WG2205793
2,2-Dichloropropane	ND		0.00369	1	01/11/2024 23:12	WG2205793
Di-isopropyl ether	ND		0.00148	1	01/11/2024 23:12	WG2205793
Ethylbenzene	ND		0.00369	1	01/11/2024 23:12	WG2205793
Hexachloro-1,3-butadiene	ND		0.0369	1	01/11/2024 23:12	WG2205793
Isopropylbenzene	ND		0.00369	1	01/11/2024 23:12	WG2205793
p-Isopropyltoluene	ND		0.00739	1	01/11/2024 23:12	WG2205793
2-Butanone (MEK)	ND		0.148	1	01/11/2024 23:12	WG2205793
Methylene Chloride	ND		0.0369	1	01/11/2024 23:12	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0369	1	01/11/2024 23:12	WG2205793
Methyl tert-butyl ether	ND		0.00148	1	01/11/2024 23:12	WG2205793
Naphthalene	ND		0.0185	1	01/11/2024 23:12	WG2205793
n-Propylbenzene	ND		0.00739	1	01/11/2024 23:12	WG2205793
Styrene	ND		0.0185	1	01/11/2024 23:12	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00369	1	01/11/2024 23:12	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00369	1	01/11/2024 23:12	WG2205793
Tetrachloroethene	ND		0.00369	1	01/11/2024 23:12	WG2205793
Toluene	ND		0.00739	1	01/11/2024 23:12	WG2205793
1,2,3-Trichlorobenzene	ND		0.0185	1	01/11/2024 23:12	WG2205793
1,2,4-Trichlorobenzene	ND		0.0185	1	01/11/2024 23:12	WG2205793
1,1,1-Trichloroethane	ND		0.00369	1	01/11/2024 23:12	WG2205793
1,1,2-Trichloroethane	ND		0.00369	1	01/11/2024 23:12	WG2205793
Trichloroethene	ND		0.00148	1	01/11/2024 23:12	WG2205793
Trichlorofluoromethane	ND		0.00369	1	01/11/2024 23:12	WG2205793
1,2,3-Trichloropropane	ND		0.0185	1	01/11/2024 23:12	WG2205793
1,2,4-Trimethylbenzene	ND		0.00739	1	01/11/2024 23:12	WG2205793
1,3,5-Trimethylbenzene	ND		0.00739	1	01/11/2024 23:12	WG2205793
Vinyl chloride	ND		0.00369	1	01/11/2024 23:12	WG2205793
Xylenes, Total	ND		0.00960	1	01/11/2024 23:12	WG2205793
(S) Toluene-d8	132	J1	75.0-131		01/11/2024 23:12	WG2205793
(S) 4-Bromofluorobenzene	122		67.0-138		01/11/2024 23:12	WG2205793
(S) 1,2-Dichloroethane-d4	83.2		70.0-130		01/11/2024 23:12	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	0.275		0.202	5	01/11/2024 21:00	WG2205036
Acenaphthylene	1.52		0.202	5	01/11/2024 21:00	WG2205036
Anthracene	2.20		0.202	5	01/11/2024 21:00	WG2205036
Benzidine	ND		10.1	5	01/11/2024 21:00	WG2205036
Benzo(a)anthracene	8.37		0.202	5	01/11/2024 21:00	WG2205036

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	8.99		0.202	5	01/11/2024 21:00	WG2205036
Benzo(k)fluoranthene	2.97		0.202	5	01/11/2024 21:00	WG2205036
Benzo(g,h,i)perylene	4.12		0.202	5	01/11/2024 21:00	WG2205036
Benzo(a)pyrene	7.18		0.202	5	01/11/2024 21:00	WG2205036
Bis(2-chloroethoxy)methane	ND		2.02	5	01/11/2024 21:00	WG2205036
Bis(2-chloroethyl)ether	ND		2.02	5	01/11/2024 21:00	WG2205036
2,2-Oxybis(1-Chloropropane)	ND		2.02	5	01/11/2024 21:00	WG2205036
4-Bromophenyl-phenylether	ND		2.02	5	01/11/2024 21:00	WG2205036
2-Chloronaphthalene	ND		0.202	5	01/11/2024 21:00	WG2205036
4-Chlorophenyl-phenylether	ND		2.02	5	01/11/2024 21:00	WG2205036
Chrysene	8.00		0.202	5	01/11/2024 21:00	WG2205036
Dibenz(a,h)anthracene	0.977		0.202	5	01/11/2024 21:00	WG2205036
3,3-Dichlorobenzidine	ND		2.02	5	01/11/2024 21:00	WG2205036
2,4-Dinitrotoluene	ND		2.02	5	01/11/2024 21:00	WG2205036
2,6-Dinitrotoluene	ND		2.02	5	01/11/2024 21:00	WG2205036
Fluoranthene	22.0		0.805	20	01/20/2024 21:47	WG2205036
Fluorene	0.669		0.202	5	01/11/2024 21:00	WG2205036
Hexachlorobenzene	ND		2.02	5	01/11/2024 21:00	WG2205036
Hexachloro-1,3-butadiene	ND		2.02	5	01/11/2024 21:00	WG2205036
Hexachlorocyclopentadiene	ND		2.02	5	01/11/2024 21:00	WG2205036
Hexachloroethane	ND		2.02	5	01/11/2024 21:00	WG2205036
Indeno(1,2,3-cd)pyrene	4.72		0.202	5	01/11/2024 21:00	WG2205036
Isophorone	ND		2.02	5	01/11/2024 21:00	WG2205036
Naphthalene	0.347		0.202	5	01/11/2024 21:00	WG2205036
Nitrobenzene	ND		2.02	5	01/11/2024 21:00	WG2205036
n-Nitrosodimethylamine	ND		2.02	5	01/11/2024 21:00	WG2205036
n-Nitrosodiphenylamine	ND		2.02	5	01/11/2024 21:00	WG2205036
n-Nitrosodi-n-propylamine	ND		2.02	5	01/11/2024 21:00	WG2205036
Phenanthrene	15.7		0.805	20	01/20/2024 21:47	WG2205036
Benzylbutyl phthalate	ND		2.02	5	01/11/2024 21:00	WG2205036
Bis(2-ethylhexyl)phthalate	ND		2.02	5	01/11/2024 21:00	WG2205036
Di-n-butyl phthalate	ND		2.02	5	01/11/2024 21:00	WG2205036
Diethyl phthalate	ND		2.02	5	01/11/2024 21:00	WG2205036
Dimethyl phthalate	ND		2.02	5	01/11/2024 21:00	WG2205036
Di-n-octyl phthalate	ND		2.02	5	01/11/2024 21:00	WG2205036
Pyrene	20.3		0.805	20	01/20/2024 21:47	WG2205036
1,2,4-Trichlorobenzene	ND		2.02	5	01/11/2024 21:00	WG2205036
4-Chloro-3-methylphenol	ND		2.02	5	01/11/2024 21:00	WG2205036
2-Chlorophenol	ND		2.02	5	01/11/2024 21:00	WG2205036
2,4-Dichlorophenol	ND		2.02	5	01/11/2024 21:00	WG2205036
2,4-Dimethylphenol	ND		2.02	5	01/11/2024 21:00	WG2205036
4,6-Dinitro-2-methylphenol	ND		2.02	5	01/11/2024 21:00	WG2205036
2,4-Dinitrophenol	ND		2.02	5	01/11/2024 21:00	WG2205036
2-Nitrophenol	ND		2.02	5	01/11/2024 21:00	WG2205036
4-Nitrophenol	ND		2.02	5	01/11/2024 21:00	WG2205036
Pentachlorophenol	ND		2.02	5	01/11/2024 21:00	WG2205036
Phenol	ND		2.02	5	01/11/2024 21:00	WG2205036
2,4,6-Trichlorophenol	ND		2.02	5	01/11/2024 21:00	WG2205036
(S) 2-Fluorophenol	61.1	J7	12.0-120		01/20/2024 21:47	WG2205036
(S) 2-Fluorophenol	51.5		12.0-120		01/11/2024 21:00	WG2205036
(S) Phenol-d5	55.0	J7	10.0-120		01/20/2024 21:47	WG2205036
(S) Phenol-d5	47.1		10.0-120		01/11/2024 21:00	WG2205036
(S) Nitrobenzene-d5	50.2		10.0-122		01/11/2024 21:00	WG2205036
(S) Nitrobenzene-d5	47.7	J7	10.0-122		01/20/2024 21:47	WG2205036
(S) 2-Fluorobiphenyl	58.3	J7	15.0-120		01/20/2024 21:47	WG2205036
(S) 2-Fluorobiphenyl	58.0		15.0-120		01/11/2024 21:00	WG2205036

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	59.3		10.0-127		01/11/2024 21:00	WG2205036
(S) 2,4,6-Tribromophenol	59.6	<u>J7</u>	10.0-127		01/20/2024 21:47	WG2205036
(S) p-Terphenyl-d14	64.3		10.0-120		01/11/2024 21:00	WG2205036
(S) p-Terphenyl-d14	70.0	<u>J7</u>	10.0-120		01/20/2024 21:47	WG2205036

Sample Narrative:

L1694720-02 WG2205036: Dilution due to matrix

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.5		1	01/11/2024 08:00	WG2204531

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.24	1	01/11/2024 12:48	WG2204934

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0497	1	01/11/2024 10:50	WG2204736

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.72	5	01/29/2024 20:24	WG2204929
Arsenic	1.45		1.24	5	01/29/2024 20:24	WG2204929
Barium	47.8		3.10	5	01/29/2024 20:24	WG2204929
Beryllium	ND		3.10	5	01/29/2024 20:24	WG2204929
Cadmium	ND		1.24	5	01/29/2024 20:24	WG2204929
Chromium	11.3		6.21	5	01/29/2024 20:24	WG2204929
Cobalt	4.64		1.24	5	01/29/2024 20:24	WG2204929
Copper	11.0		6.21	5	01/29/2024 20:24	WG2204929
Lead	20.5		2.48	5	01/29/2024 20:24	WG2204929
Manganese	223		3.10	5	01/29/2024 20:24	WG2204929
Nickel	7.05		3.10	5	01/29/2024 20:24	WG2204929
Selenium	ND		3.10	5	01/29/2024 20:24	WG2204929
Silver	ND		0.621	5	01/29/2024 20:24	WG2204929
Thallium	ND		2.48	5	01/29/2024 20:24	WG2204929
Vanadium	23.6		3.10	5	01/29/2024 20:24	WG2204929
Zinc	ND		31.0	5	01/29/2024 20:24	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0746	1	01/11/2024 23:31	WG2205793
Acrylonitrile	ND		0.0186	1	01/11/2024 23:31	WG2205793
Benzene	ND		0.00149	1	01/11/2024 23:31	WG2205793
Bromobenzene	ND		0.0186	1	01/11/2024 23:31	WG2205793
Bromodichloromethane	ND		0.00373	1	01/11/2024 23:31	WG2205793
Bromoform	ND		0.0373	1	01/11/2024 23:31	WG2205793
Bromomethane	ND		0.0186	1	01/11/2024 23:31	WG2205793
n-Butylbenzene	ND		0.0186	1	01/11/2024 23:31	WG2205793
sec-Butylbenzene	ND		0.0186	1	01/11/2024 23:31	WG2205793
tert-Butylbenzene	ND		0.00746	1	01/11/2024 23:31	WG2205793
Carbon tetrachloride	ND		0.00746	1	01/11/2024 23:31	WG2205793
Chlorobenzene	ND		0.00373	1	01/11/2024 23:31	WG2205793
Chlorodibromomethane	ND		0.00373	1	01/11/2024 23:31	WG2205793
Chloroethane	ND		0.00746	1	01/11/2024 23:31	WG2205793
Chloroform	ND		0.00373	1	01/11/2024 23:31	WG2205793
Chloromethane	ND	J3	0.0186	1	01/11/2024 23:31	WG2205793
2-Chlorotoluene	ND		0.00373	1	01/11/2024 23:31	WG2205793
4-Chlorotoluene	ND		0.00746	1	01/11/2024 23:31	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0373	1	01/11/2024 23:31	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00373	1	01/11/2024 23:31	WG2205793
Dibromomethane	ND		0.00746	1	01/11/2024 23:31	WG2205793
1,2-Dichlorobenzene	ND		0.00746	1	01/11/2024 23:31	WG2205793
1,3-Dichlorobenzene	ND		0.00746	1	01/11/2024 23:31	WG2205793
1,4-Dichlorobenzene	ND		0.00746	1	01/11/2024 23:31	WG2205793
Dichlorodifluoromethane	ND	J3	0.00746	1	01/11/2024 23:31	WG2205793
1,1-Dichloroethane	ND		0.00373	1	01/11/2024 23:31	WG2205793
1,2-Dichloroethane	ND		0.00373	1	01/11/2024 23:31	WG2205793
1,1-Dichloroethene	ND		0.00373	1	01/11/2024 23:31	WG2205793
cis-1,2-Dichloroethene	ND		0.00373	1	01/11/2024 23:31	WG2205793
trans-1,2-Dichloroethene	ND		0.00746	1	01/11/2024 23:31	WG2205793
1,2-Dichloropropane	ND		0.00746	1	01/11/2024 23:31	WG2205793
1,1-Dichloropropene	ND		0.00373	1	01/11/2024 23:31	WG2205793
1,3-Dichloropropane	ND		0.00746	1	01/11/2024 23:31	WG2205793
cis-1,3-Dichloropropene	ND		0.00373	1	01/11/2024 23:31	WG2205793
trans-1,3-Dichloropropene	ND		0.00746	1	01/11/2024 23:31	WG2205793
2,2-Dichloropropane	ND		0.00373	1	01/11/2024 23:31	WG2205793
Di-isopropyl ether	ND		0.00149	1	01/11/2024 23:31	WG2205793
Ethylbenzene	ND		0.00373	1	01/11/2024 23:31	WG2205793
Hexachloro-1,3-butadiene	ND		0.0373	1	01/11/2024 23:31	WG2205793
Isopropylbenzene	ND		0.00373	1	01/11/2024 23:31	WG2205793
p-Isopropyltoluene	0.0219		0.00746	1	01/11/2024 23:31	WG2205793
2-Butanone (MEK)	ND		0.149	1	01/11/2024 23:31	WG2205793
Methylene Chloride	ND		0.0373	1	01/11/2024 23:31	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0373	1	01/11/2024 23:31	WG2205793
Methyl tert-butyl ether	ND		0.00149	1	01/11/2024 23:31	WG2205793
Naphthalene	ND		0.0186	1	01/11/2024 23:31	WG2205793
n-Propylbenzene	ND		0.00746	1	01/11/2024 23:31	WG2205793
Styrene	ND		0.0186	1	01/11/2024 23:31	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00373	1	01/11/2024 23:31	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00373	1	01/11/2024 23:31	WG2205793
Tetrachloroethene	ND		0.00373	1	01/11/2024 23:31	WG2205793
Toluene	ND		0.00746	1	01/11/2024 23:31	WG2205793
1,2,3-Trichlorobenzene	ND		0.0186	1	01/11/2024 23:31	WG2205793
1,2,4-Trichlorobenzene	ND		0.0186	1	01/11/2024 23:31	WG2205793
1,1,1-Trichloroethane	ND		0.00373	1	01/11/2024 23:31	WG2205793
1,1,2-Trichloroethane	ND		0.00373	1	01/11/2024 23:31	WG2205793
Trichloroethene	ND		0.00149	1	01/11/2024 23:31	WG2205793
Trichlorofluoromethane	ND		0.00373	1	01/11/2024 23:31	WG2205793
1,2,3-Trichloropropane	ND		0.0186	1	01/11/2024 23:31	WG2205793
1,2,4-Trimethylbenzene	ND		0.00746	1	01/11/2024 23:31	WG2205793
1,3,5-Trimethylbenzene	ND		0.00746	1	01/11/2024 23:31	WG2205793
Vinyl chloride	ND		0.00373	1	01/11/2024 23:31	WG2205793
Xylenes, Total	ND		0.00970	1	01/11/2024 23:31	WG2205793
(S) Toluene-d8	100		75.0-131		01/11/2024 23:31	WG2205793
(S) 4-Bromofluorobenzene	109		67.0-138		01/11/2024 23:31	WG2205793
(S) 1,2-Dichloroethane-d4	82.6		70.0-130		01/11/2024 23:31	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0827	2	01/11/2024 20:11	WG2205036
Acenaphthylene	ND		0.0827	2	01/11/2024 20:11	WG2205036
Anthracene	ND		0.0827	2	01/11/2024 20:11	WG2205036
Benzidine	ND		4.15	2	01/11/2024 20:11	WG2205036
Benzo(a)anthracene	0.0859		0.0827	2	01/11/2024 20:11	WG2205036

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.104		0.0827	2	01/11/2024 20:11	WG2205036
Benzo(k)fluoranthene	ND		0.0827	2	01/11/2024 20:11	WG2205036
Benzo(g,h,i)perylene	ND		0.0827	2	01/11/2024 20:11	WG2205036
Benzo(a)pyrene	ND		0.0827	2	01/11/2024 20:11	WG2205036
Bis(2-chloroethoxy)methane	ND		0.827	2	01/11/2024 20:11	WG2205036
Bis(2-chloroethyl)ether	ND		0.827	2	01/11/2024 20:11	WG2205036
2,2-Oxybis(1-Chloropropane)	ND		0.827	2	01/11/2024 20:11	WG2205036
4-Bromophenyl-phenylether	ND		0.827	2	01/11/2024 20:11	WG2205036
2-Chloronaphthalene	ND		0.0827	2	01/11/2024 20:11	WG2205036
4-Chlorophenyl-phenylether	ND		0.827	2	01/11/2024 20:11	WG2205036
Chrysene	ND		0.0827	2	01/11/2024 20:11	WG2205036
Dibenz(a,h)anthracene	ND		0.0827	2	01/11/2024 20:11	WG2205036
3,3-Dichlorobenzidine	ND		0.827	2	01/11/2024 20:11	WG2205036
2,4-Dinitrotoluene	ND		0.827	2	01/11/2024 20:11	WG2205036
2,6-Dinitrotoluene	ND		0.827	2	01/11/2024 20:11	WG2205036
Fluoranthene	0.171		0.0827	2	01/11/2024 20:11	WG2205036
Fluorene	ND		0.0827	2	01/11/2024 20:11	WG2205036
Hexachlorobenzene	ND		0.827	2	01/11/2024 20:11	WG2205036
Hexachloro-1,3-butadiene	ND		0.827	2	01/11/2024 20:11	WG2205036
Hexachlorocyclopentadiene	ND		0.827	2	01/11/2024 20:11	WG2205036
Hexachloroethane	ND		0.827	2	01/11/2024 20:11	WG2205036
Indeno(1,2,3-cd)pyrene	ND		0.0827	2	01/11/2024 20:11	WG2205036
Isophorone	ND		0.827	2	01/11/2024 20:11	WG2205036
Naphthalene	ND		0.0827	2	01/11/2024 20:11	WG2205036
Nitrobenzene	ND		0.827	2	01/11/2024 20:11	WG2205036
n-Nitrosodimethylamine	ND		0.827	2	01/11/2024 20:11	WG2205036
n-Nitrosodiphenylamine	ND		0.827	2	01/11/2024 20:11	WG2205036
n-Nitrosodi-n-propylamine	ND		0.827	2	01/11/2024 20:11	WG2205036
Phenanthrene	ND		0.0827	2	01/11/2024 20:11	WG2205036
Benzylbutyl phthalate	ND		0.827	2	01/11/2024 20:11	WG2205036
Bis(2-ethylhexyl)phthalate	ND		0.827	2	01/11/2024 20:11	WG2205036
Di-n-butyl phthalate	ND		0.827	2	01/11/2024 20:11	WG2205036
Diethyl phthalate	ND		0.827	2	01/11/2024 20:11	WG2205036
Dimethyl phthalate	ND		0.827	2	01/11/2024 20:11	WG2205036
Di-n-octyl phthalate	ND		0.827	2	01/11/2024 20:11	WG2205036
Pyrene	0.142		0.0827	2	01/11/2024 20:11	WG2205036
1,2,4-Trichlorobenzene	ND		0.827	2	01/11/2024 20:11	WG2205036
4-Chloro-3-methylphenol	ND		0.827	2	01/11/2024 20:11	WG2205036
2-Chlorophenol	ND		0.827	2	01/11/2024 20:11	WG2205036
2,4-Dichlorophenol	ND		0.827	2	01/11/2024 20:11	WG2205036
2,4-Dimethylphenol	ND		0.827	2	01/11/2024 20:11	WG2205036
4,6-Dinitro-2-methylphenol	ND		0.827	2	01/11/2024 20:11	WG2205036
2,4-Dinitrophenol	ND		0.827	2	01/11/2024 20:11	WG2205036
2-Nitrophenol	ND		0.827	2	01/11/2024 20:11	WG2205036
4-Nitrophenol	ND		0.827	2	01/11/2024 20:11	WG2205036
Pentachlorophenol	ND		0.827	2	01/11/2024 20:11	WG2205036
Phenol	ND		0.827	2	01/11/2024 20:11	WG2205036
2,4,6-Trichlorophenol	ND		0.827	2	01/11/2024 20:11	WG2205036
(S) 2-Fluorophenol	67.5		12.0-120		01/11/2024 20:11	WG2205036
(S) Phenol-d5	61.1		10.0-120		01/11/2024 20:11	WG2205036
(S) Nitrobenzene-d5	66.9		10.0-122		01/11/2024 20:11	WG2205036
(S) 2-Fluorobiphenyl	70.5		15.0-120		01/11/2024 20:11	WG2205036
(S) 2,4,6-Tribromophenol	79.7		10.0-127		01/11/2024 20:11	WG2205036
(S) p-Terphenyl-d14	78.6		10.0-120		01/11/2024 20:11	WG2205036

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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L1694720-03 WG2205036: Dilution due to matrix impact during extraction procedure.

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.6		1	01/11/2024 08:00	WG2204531

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.26	1	01/11/2024 12:54	WG2204934

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0967		0.0502	1	01/11/2024 10:52	WG2204736

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.77	5	01/29/2024 20:35	WG2204929
Arsenic	1.51		1.26	5	01/29/2024 20:35	WG2204929
Barium	73.1		3.14	5	01/29/2024 20:35	WG2204929
Beryllium	ND		3.14	5	01/29/2024 20:35	WG2204929
Cadmium	ND		1.26	5	01/29/2024 20:35	WG2204929
Chromium	20.1		6.28	5	01/29/2024 20:35	WG2204929
Cobalt	12.8		1.26	5	01/29/2024 20:35	WG2204929
Copper	20.3		6.28	5	01/29/2024 20:35	WG2204929
Lead	28.6		2.51	5	01/29/2024 20:35	WG2204929
Manganese	726		3.14	5	01/29/2024 20:35	WG2204929
Nickel	11.4		3.14	5	01/29/2024 20:35	WG2204929
Selenium	ND		3.14	5	01/29/2024 20:35	WG2204929
Silver	ND		0.628	5	01/29/2024 20:35	WG2204929
Thallium	ND		2.51	5	01/29/2024 20:35	WG2204929
Vanadium	24.9		3.14	5	01/29/2024 20:35	WG2204929
Zinc	38.8		31.4	5	01/29/2024 20:35	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0795	1	01/11/2024 23:51	WG2205793
Acrylonitrile	ND		0.0199	1	01/11/2024 23:51	WG2205793
Benzene	ND		0.00159	1	01/11/2024 23:51	WG2205793
Bromobenzene	ND		0.0199	1	01/11/2024 23:51	WG2205793
Bromodichloromethane	ND		0.00397	1	01/11/2024 23:51	WG2205793
Bromoform	ND		0.0397	1	01/11/2024 23:51	WG2205793
Bromomethane	ND		0.0199	1	01/11/2024 23:51	WG2205793
n-Butylbenzene	ND		0.0199	1	01/11/2024 23:51	WG2205793
sec-Butylbenzene	ND		0.0199	1	01/11/2024 23:51	WG2205793
tert-Butylbenzene	ND		0.00795	1	01/11/2024 23:51	WG2205793
Carbon tetrachloride	ND		0.00795	1	01/11/2024 23:51	WG2205793
Chlorobenzene	ND		0.00397	1	01/11/2024 23:51	WG2205793
Chlorodibromomethane	ND		0.00397	1	01/11/2024 23:51	WG2205793
Chloroethane	ND		0.00795	1	01/11/2024 23:51	WG2205793
Chloroform	ND		0.00397	1	01/11/2024 23:51	WG2205793
Chloromethane	ND	J3	0.0199	1	01/11/2024 23:51	WG2205793
2-Chlorotoluene	ND		0.00397	1	01/11/2024 23:51	WG2205793
4-Chlorotoluene	ND		0.00795	1	01/11/2024 23:51	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0397	1	01/11/2024 23:51	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00397	1	01/11/2024 23:51	WG2205793
Dibromomethane	ND		0.00795	1	01/11/2024 23:51	WG2205793
1,2-Dichlorobenzene	ND		0.00795	1	01/11/2024 23:51	WG2205793
1,3-Dichlorobenzene	ND		0.00795	1	01/11/2024 23:51	WG2205793
1,4-Dichlorobenzene	ND		0.00795	1	01/11/2024 23:51	WG2205793
Dichlorodifluoromethane	ND	J3	0.00795	1	01/11/2024 23:51	WG2205793
1,1-Dichloroethane	ND		0.00397	1	01/11/2024 23:51	WG2205793
1,2-Dichloroethane	ND		0.00397	1	01/11/2024 23:51	WG2205793
1,1-Dichloroethene	ND		0.00397	1	01/11/2024 23:51	WG2205793
cis-1,2-Dichloroethene	ND		0.00397	1	01/11/2024 23:51	WG2205793
trans-1,2-Dichloroethene	ND		0.00795	1	01/11/2024 23:51	WG2205793
1,2-Dichloropropane	ND		0.00795	1	01/11/2024 23:51	WG2205793
1,1-Dichloropropene	ND		0.00397	1	01/11/2024 23:51	WG2205793
1,3-Dichloropropane	ND		0.00795	1	01/11/2024 23:51	WG2205793
cis-1,3-Dichloropropene	ND		0.00397	1	01/11/2024 23:51	WG2205793
trans-1,3-Dichloropropene	ND		0.00795	1	01/11/2024 23:51	WG2205793
2,2-Dichloropropane	ND		0.00397	1	01/11/2024 23:51	WG2205793
Di-isopropyl ether	ND		0.00159	1	01/11/2024 23:51	WG2205793
Ethylbenzene	ND		0.00397	1	01/11/2024 23:51	WG2205793
Hexachloro-1,3-butadiene	ND		0.0397	1	01/11/2024 23:51	WG2205793
Isopropylbenzene	ND		0.00397	1	01/11/2024 23:51	WG2205793
p-Isopropyltoluene	0.0116		0.00795	1	01/11/2024 23:51	WG2205793
2-Butanone (MEK)	ND		0.159	1	01/11/2024 23:51	WG2205793
Methylene Chloride	ND		0.0397	1	01/11/2024 23:51	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0397	1	01/11/2024 23:51	WG2205793
Methyl tert-butyl ether	ND		0.00159	1	01/11/2024 23:51	WG2205793
Naphthalene	ND		0.0199	1	01/11/2024 23:51	WG2205793
n-Propylbenzene	ND		0.00795	1	01/11/2024 23:51	WG2205793
Styrene	ND		0.0199	1	01/11/2024 23:51	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00397	1	01/11/2024 23:51	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00397	1	01/11/2024 23:51	WG2205793
Tetrachloroethene	ND		0.00397	1	01/11/2024 23:51	WG2205793
Toluene	ND		0.00795	1	01/11/2024 23:51	WG2205793
1,2,3-Trichlorobenzene	ND		0.0199	1	01/11/2024 23:51	WG2205793
1,2,4-Trichlorobenzene	ND		0.0199	1	01/11/2024 23:51	WG2205793
1,1,1-Trichloroethane	ND		0.00397	1	01/11/2024 23:51	WG2205793
1,1,2-Trichloroethane	ND		0.00397	1	01/11/2024 23:51	WG2205793
Trichloroethene	ND		0.00159	1	01/11/2024 23:51	WG2205793
Trichlorofluoromethane	ND		0.00397	1	01/11/2024 23:51	WG2205793
1,2,3-Trichloropropane	ND		0.0199	1	01/11/2024 23:51	WG2205793
1,2,4-Trimethylbenzene	ND		0.00795	1	01/11/2024 23:51	WG2205793
1,3,5-Trimethylbenzene	0.00992		0.00795	1	01/11/2024 23:51	WG2205793
Vinyl chloride	ND		0.00397	1	01/11/2024 23:51	WG2205793
Xylenes, Total	ND		0.0103	1	01/11/2024 23:51	WG2205793
(S) Toluene-d8	95.2		75.0-131		01/11/2024 23:51	WG2205793
(S) 4-Bromofluorobenzene	139	J1	67.0-138		01/11/2024 23:51	WG2205793
(S) 1,2-Dichloroethane-d4	79.4		70.0-130		01/11/2024 23:51	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0418	1	01/11/2024 16:59	WG2205036
Acenaphthylene	ND		0.0418	1	01/11/2024 16:59	WG2205036
Anthracene	ND		0.0418	1	01/11/2024 16:59	WG2205036
Benzidine	ND		2.10	1	01/11/2024 16:59	WG2205036
Benzo(a)anthracene	0.159		0.0418	1	01/11/2024 16:59	WG2205036

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.161		0.0418	1	01/11/2024 16:59	WG2205036
Benzo(k)fluoranthene	0.0478		0.0418	1	01/11/2024 16:59	WG2205036
Benzo(g,h,i)perylene	0.0922		0.0418	1	01/11/2024 16:59	WG2205036
Benzo(a)pyrene	0.133		0.0418	1	01/11/2024 16:59	WG2205036
Bis(2-chloroethoxy)methane	ND		0.418	1	01/11/2024 16:59	WG2205036
Bis(2-chloroethyl)ether	ND		0.418	1	01/11/2024 16:59	WG2205036
2,2-Oxybis(1-Chloropropane)	ND		0.418	1	01/11/2024 16:59	WG2205036
4-Bromophenyl-phenylether	ND		0.418	1	01/11/2024 16:59	WG2205036
2-Chloronaphthalene	ND		0.0418	1	01/11/2024 16:59	WG2205036
4-Chlorophenyl-phenylether	ND		0.418	1	01/11/2024 16:59	WG2205036
Chrysene	0.192		0.0418	1	01/11/2024 16:59	WG2205036
Dibenz(a,h)anthracene	ND		0.0418	1	01/11/2024 16:59	WG2205036
3,3-Dichlorobenzidine	ND		0.418	1	01/11/2024 16:59	WG2205036
2,4-Dinitrotoluene	ND		0.418	1	01/11/2024 16:59	WG2205036
2,6-Dinitrotoluene	ND		0.418	1	01/11/2024 16:59	WG2205036
Fluoranthene	0.320		0.0418	1	01/11/2024 16:59	WG2205036
Fluorene	ND		0.0418	1	01/11/2024 16:59	WG2205036
Hexachlorobenzene	ND		0.418	1	01/11/2024 16:59	WG2205036
Hexachloro-1,3-butadiene	ND		0.418	1	01/11/2024 16:59	WG2205036
Hexachlorocyclopentadiene	ND		0.418	1	01/11/2024 16:59	WG2205036
Hexachloroethane	ND		0.418	1	01/11/2024 16:59	WG2205036
Indeno(1,2,3-cd)pyrene	0.0851		0.0418	1	01/11/2024 16:59	WG2205036
Isophorone	ND		0.418	1	01/11/2024 16:59	WG2205036
Naphthalene	ND		0.0418	1	01/11/2024 16:59	WG2205036
Nitrobenzene	ND		0.418	1	01/11/2024 16:59	WG2205036
n-Nitrosodimethylamine	ND		0.418	1	01/11/2024 16:59	WG2205036
n-Nitrosodiphenylamine	ND		0.418	1	01/11/2024 16:59	WG2205036
n-Nitrosodi-n-propylamine	ND		0.418	1	01/11/2024 16:59	WG2205036
Phenanthrene	0.368		0.0418	1	01/11/2024 16:59	WG2205036
Benzylbutyl phthalate	ND		0.418	1	01/11/2024 16:59	WG2205036
Bis(2-ethylhexyl)phthalate	ND		0.418	1	01/11/2024 16:59	WG2205036
Di-n-butyl phthalate	ND		0.418	1	01/11/2024 16:59	WG2205036
Diethyl phthalate	ND		0.418	1	01/11/2024 16:59	WG2205036
Dimethyl phthalate	ND		0.418	1	01/11/2024 16:59	WG2205036
Di-n-octyl phthalate	ND		0.418	1	01/11/2024 16:59	WG2205036
Pyrene	0.396		0.0418	1	01/11/2024 16:59	WG2205036
1,2,4-Trichlorobenzene	ND		0.418	1	01/11/2024 16:59	WG2205036
4-Chloro-3-methylphenol	ND		0.418	1	01/11/2024 16:59	WG2205036
2-Chlorophenol	ND		0.418	1	01/11/2024 16:59	WG2205036
2,4-Dichlorophenol	ND		0.418	1	01/11/2024 16:59	WG2205036
2,4-Dimethylphenol	ND		0.418	1	01/11/2024 16:59	WG2205036
4,6-Dinitro-2-methylphenol	ND		0.418	1	01/11/2024 16:59	WG2205036
2,4-Dinitrophenol	ND		0.418	1	01/11/2024 16:59	WG2205036
2-Nitrophenol	ND		0.418	1	01/11/2024 16:59	WG2205036
4-Nitrophenol	ND		0.418	1	01/11/2024 16:59	WG2205036
Pentachlorophenol	ND		0.418	1	01/11/2024 16:59	WG2205036
Phenol	ND		0.418	1	01/11/2024 16:59	WG2205036
2,4,6-Trichlorophenol	ND		0.418	1	01/11/2024 16:59	WG2205036
(S) 2-Fluorophenol	55.3		12.0-120		01/11/2024 16:59	WG2205036
(S) Phenol-d5	50.6		10.0-120		01/11/2024 16:59	WG2205036
(S) Nitrobenzene-d5	54.5		10.0-122		01/11/2024 16:59	WG2205036
(S) 2-Fluorobiphenyl	57.9		15.0-120		01/11/2024 16:59	WG2205036
(S) 2,4,6-Tribromophenol	69.4		10.0-127		01/11/2024 16:59	WG2205036
(S) p-Terphenyl-d14	66.7		10.0-120		01/11/2024 16:59	WG2205036

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	71.6		1	01/11/2024 08:00	WG2204531

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	3.31		1.40	1	01/11/2024 13:00	WG2204934

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0563		0.0559	1	01/11/2024 10:55	WG2204736

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.19	5	01/29/2024 20:38	WG2204929
Arsenic	1.41		1.40	5	01/29/2024 20:38	WG2204929
Barium	76.4		3.49	5	01/29/2024 20:38	WG2204929
Beryllium	ND		3.49	5	01/29/2024 20:38	WG2204929
Cadmium	ND		1.40	5	01/29/2024 20:38	WG2204929
Chromium	20.7		6.99	5	01/29/2024 20:38	WG2204929
Cobalt	9.65		1.40	5	01/29/2024 20:38	WG2204929
Copper	13.0		6.99	5	01/29/2024 20:38	WG2204929
Lead	27.4		2.79	5	01/29/2024 20:38	WG2204929
Manganese	498		3.49	5	01/29/2024 20:38	WG2204929
Nickel	9.90		3.49	5	01/29/2024 20:38	WG2204929
Selenium	ND		3.49	5	01/29/2024 20:38	WG2204929
Silver	ND		0.699	5	01/29/2024 20:38	WG2204929
Thallium	ND		2.79	5	01/29/2024 20:38	WG2204929
Vanadium	27.5		3.49	5	01/29/2024 20:38	WG2204929
Zinc	ND		34.9	5	01/29/2024 20:38	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.107	1.24	01/12/2024 00:10	WG2205793
Acrylonitrile	ND		0.0266	1.24	01/12/2024 00:10	WG2205793
Benzene	ND		0.00213	1.24	01/12/2024 00:10	WG2205793
Bromobenzene	ND		0.0266	1.24	01/12/2024 00:10	WG2205793
Bromodichloromethane	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
Bromoform	ND		0.0533	1.24	01/12/2024 00:10	WG2205793
Bromomethane	ND		0.0266	1.24	01/12/2024 00:10	WG2205793
n-Butylbenzene	ND		0.0266	1.24	01/12/2024 00:10	WG2205793
sec-Butylbenzene	ND		0.0266	1.24	01/12/2024 00:10	WG2205793
tert-Butylbenzene	ND		0.0107	1.24	01/12/2024 00:10	WG2205793
Carbon tetrachloride	ND		0.0107	1.24	01/12/2024 00:10	WG2205793
Chlorobenzene	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
Chlorodibromomethane	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
Chloroethane	ND		0.0107	1.24	01/12/2024 00:10	WG2205793
Chloroform	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
Chloromethane	ND	J3	0.0266	1.24	01/12/2024 00:10	WG2205793
2-Chlorotoluene	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
4-Chlorotoluene	ND		0.0107	1.24	01/12/2024 00:10	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0533	1.24	01/12/2024 00:10	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
Dibromomethane	ND		0.0107	1.24	01/12/2024 00:10	WG2205793
1,2-Dichlorobenzene	ND		0.0107	1.24	01/12/2024 00:10	WG2205793
1,3-Dichlorobenzene	ND		0.0107	1.24	01/12/2024 00:10	WG2205793
1,4-Dichlorobenzene	ND		0.0107	1.24	01/12/2024 00:10	WG2205793
Dichlorodifluoromethane	ND	J3	0.0107	1.24	01/12/2024 00:10	WG2205793
1,1-Dichloroethane	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
1,2-Dichloroethane	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
1,1-Dichloroethene	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
cis-1,2-Dichloroethene	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
trans-1,2-Dichloroethene	ND		0.0107	1.24	01/12/2024 00:10	WG2205793
1,2-Dichloropropane	ND		0.0107	1.24	01/12/2024 00:10	WG2205793
1,1-Dichloropropene	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
1,3-Dichloropropane	ND		0.0107	1.24	01/12/2024 00:10	WG2205793
cis-1,3-Dichloropropene	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
trans-1,3-Dichloropropene	ND		0.0107	1.24	01/12/2024 00:10	WG2205793
2,2-Dichloropropane	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
Di-isopropyl ether	ND		0.00213	1.24	01/12/2024 00:10	WG2205793
Ethylbenzene	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
Hexachloro-1,3-butadiene	ND		0.0533	1.24	01/12/2024 00:10	WG2205793
Isopropylbenzene	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
p-Isopropyltoluene	ND		0.0107	1.24	01/12/2024 00:10	WG2205793
2-Butanone (MEK)	ND		0.213	1.24	01/12/2024 00:10	WG2205793
Methylene Chloride	ND		0.0533	1.24	01/12/2024 00:10	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0533	1.24	01/12/2024 00:10	WG2205793
Methyl tert-butyl ether	ND		0.00213	1.24	01/12/2024 00:10	WG2205793
Naphthalene	ND		0.0266	1.24	01/12/2024 00:10	WG2205793
n-Propylbenzene	ND		0.0107	1.24	01/12/2024 00:10	WG2205793
Styrene	ND		0.0266	1.24	01/12/2024 00:10	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
Tetrachloroethene	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
Toluene	ND		0.0107	1.24	01/12/2024 00:10	WG2205793
1,2,3-Trichlorobenzene	ND		0.0266	1.24	01/12/2024 00:10	WG2205793
1,2,4-Trichlorobenzene	ND		0.0266	1.24	01/12/2024 00:10	WG2205793
1,1,1-Trichloroethane	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
1,1,2-Trichloroethane	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
Trichloroethene	ND		0.00213	1.24	01/12/2024 00:10	WG2205793
Trichlorofluoromethane	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
1,2,3-Trichloropropane	ND		0.0266	1.24	01/12/2024 00:10	WG2205793
1,2,4-Trimethylbenzene	ND		0.0107	1.24	01/12/2024 00:10	WG2205793
1,3,5-Trimethylbenzene	ND		0.0107	1.24	01/12/2024 00:10	WG2205793
Vinyl chloride	ND		0.00533	1.24	01/12/2024 00:10	WG2205793
Xylenes, Total	ND		0.0138	1.24	01/12/2024 00:10	WG2205793
(S) Toluene-d8	102		75.0-131		01/12/2024 00:10	WG2205793
(S) 4-Bromofluorobenzene	100		67.0-138		01/12/2024 00:10	WG2205793
(S) 1,2-Dichloroethane-d4	74.1		70.0-130		01/12/2024 00:10	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0465	1	01/11/2024 17:23	WG2205036
Acenaphthylene	ND		0.0465	1	01/11/2024 17:23	WG2205036
Anthracene	0.0922		0.0465	1	01/11/2024 17:23	WG2205036
Benzidine	ND		2.33	1	01/11/2024 17:23	WG2205036
Benzo(a)anthracene	0.253		0.0465	1	01/11/2024 17:23	WG2205036

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.281		0.0465	1	01/11/2024 17:23	WG2205036
Benzo(k)fluoranthene	0.0911		0.0465	1	01/11/2024 17:23	WG2205036
Benzo(g,h,i)perylene	0.128		0.0465	1	01/11/2024 17:23	WG2205036
Benzo(a)pyrene	0.205		0.0465	1	01/11/2024 17:23	WG2205036
Bis(2-chloroethoxy)methane	ND		0.465	1	01/11/2024 17:23	WG2205036
Bis(2-chloroethyl)ether	ND		0.465	1	01/11/2024 17:23	WG2205036
2,2-Oxybis(1-Chloropropane)	ND		0.465	1	01/11/2024 17:23	WG2205036
4-Bromophenyl-phenylether	ND		0.465	1	01/11/2024 17:23	WG2205036
2-Chloronaphthalene	ND		0.0465	1	01/11/2024 17:23	WG2205036
4-Chlorophenyl-phenylether	ND		0.465	1	01/11/2024 17:23	WG2205036
Chrysene	0.249		0.0465	1	01/11/2024 17:23	WG2205036
Dibenz(a,h)anthracene	ND		0.0465	1	01/11/2024 17:23	WG2205036
3,3-Dichlorobenzidine	ND		0.465	1	01/11/2024 17:23	WG2205036
2,4-Dinitrotoluene	ND		0.465	1	01/11/2024 17:23	WG2205036
2,6-Dinitrotoluene	ND		0.465	1	01/11/2024 17:23	WG2205036
Fluoranthene	0.661		0.0465	1	01/11/2024 17:23	WG2205036
Fluorene	0.0633		0.0465	1	01/11/2024 17:23	WG2205036
Hexachlorobenzene	ND		0.465	1	01/11/2024 17:23	WG2205036
Hexachloro-1,3-butadiene	ND		0.465	1	01/11/2024 17:23	WG2205036
Hexachlorocyclopentadiene	ND		0.465	1	01/11/2024 17:23	WG2205036
Hexachloroethane	ND		0.465	1	01/11/2024 17:23	WG2205036
Indeno(1,2,3-cd)pyrene	0.139		0.0465	1	01/11/2024 17:23	WG2205036
Isophorone	ND		0.465	1	01/11/2024 17:23	WG2205036
Naphthalene	ND		0.0465	1	01/11/2024 17:23	WG2205036
Nitrobenzene	ND		0.465	1	01/11/2024 17:23	WG2205036
n-Nitrosodimethylamine	ND		0.465	1	01/11/2024 17:23	WG2205036
n-Nitrosodiphenylamine	ND		0.465	1	01/11/2024 17:23	WG2205036
n-Nitrosodi-n-propylamine	ND		0.465	1	01/11/2024 17:23	WG2205036
Phenanthrene	0.560		0.0465	1	01/11/2024 17:23	WG2205036
Benzylbutyl phthalate	ND		0.465	1	01/11/2024 17:23	WG2205036
Bis(2-ethylhexyl)phthalate	ND		0.465	1	01/11/2024 17:23	WG2205036
Di-n-butyl phthalate	ND		0.465	1	01/11/2024 17:23	WG2205036
Diethyl phthalate	ND		0.465	1	01/11/2024 17:23	WG2205036
Dimethyl phthalate	ND		0.465	1	01/11/2024 17:23	WG2205036
Di-n-octyl phthalate	ND		0.465	1	01/11/2024 17:23	WG2205036
Pyrene	0.524		0.0465	1	01/11/2024 17:23	WG2205036
1,2,4-Trichlorobenzene	ND		0.465	1	01/11/2024 17:23	WG2205036
4-Chloro-3-methylphenol	ND		0.465	1	01/11/2024 17:23	WG2205036
2-Chlorophenol	ND		0.465	1	01/11/2024 17:23	WG2205036
2,4-Dichlorophenol	ND		0.465	1	01/11/2024 17:23	WG2205036
2,4-Dimethylphenol	ND		0.465	1	01/11/2024 17:23	WG2205036
4,6-Dinitro-2-methylphenol	ND		0.465	1	01/11/2024 17:23	WG2205036
2,4-Dinitrophenol	ND		0.465	1	01/11/2024 17:23	WG2205036
2-Nitrophenol	ND		0.465	1	01/11/2024 17:23	WG2205036
4-Nitrophenol	ND		0.465	1	01/11/2024 17:23	WG2205036
Pentachlorophenol	ND		0.465	1	01/11/2024 17:23	WG2205036
Phenol	ND		0.465	1	01/11/2024 17:23	WG2205036
2,4,6-Trichlorophenol	ND		0.465	1	01/11/2024 17:23	WG2205036
(S) 2-Fluorophenol	51.2		12.0-120		01/11/2024 17:23	WG2205036
(S) Phenol-d5	45.7		10.0-120		01/11/2024 17:23	WG2205036
(S) Nitrobenzene-d5	51.1		10.0-122		01/11/2024 17:23	WG2205036
(S) 2-Fluorobiphenyl	52.0		15.0-120		01/11/2024 17:23	WG2205036
(S) 2,4,6-Tribromophenol	64.1		10.0-127		01/11/2024 17:23	WG2205036
(S) p-Terphenyl-d14	62.8		10.0-120		01/11/2024 17:23	WG2205036

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.6		1	01/11/2024 08:00	WG2204531

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.87		1.31	1	01/11/2024 13:06	WG2204934

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.137		0.0522	1	01/11/2024 10:57	WG2204736

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.92	5	01/29/2024 20:41	WG2204929
Arsenic	2.55		1.31	5	01/29/2024 20:41	WG2204929
Barium	87.2		3.26	5	01/29/2024 20:41	WG2204929
Beryllium	ND		3.26	5	01/29/2024 20:41	WG2204929
Cadmium	ND		1.31	5	01/29/2024 20:41	WG2204929
Chromium	25.7		6.53	5	01/29/2024 20:41	WG2204929
Cobalt	8.39		1.31	5	01/29/2024 20:41	WG2204929
Copper	12.8		6.53	5	01/29/2024 20:41	WG2204929
Lead	24.0		2.61	5	01/29/2024 20:41	WG2204929
Manganese	482		3.26	5	01/29/2024 20:41	WG2204929
Nickel	10.5		3.26	5	01/29/2024 20:41	WG2204929
Selenium	ND		3.26	5	01/29/2024 20:41	WG2204929
Silver	ND		0.653	5	01/29/2024 20:41	WG2204929
Thallium	ND		2.61	5	01/29/2024 20:41	WG2204929
Vanadium	35.4		3.26	5	01/29/2024 20:41	WG2204929
Zinc	33.4		32.6	5	01/29/2024 20:41	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0839	1	01/12/2024 00:29	WG2205793
Acrylonitrile	ND		0.0210	1	01/12/2024 00:29	WG2205793
Benzene	ND		0.00168	1	01/12/2024 00:29	WG2205793
Bromobenzene	ND		0.0210	1	01/12/2024 00:29	WG2205793
Bromodichloromethane	ND		0.00419	1	01/12/2024 00:29	WG2205793
Bromoform	ND		0.0419	1	01/12/2024 00:29	WG2205793
Bromomethane	ND		0.0210	1	01/12/2024 00:29	WG2205793
n-Butylbenzene	ND		0.0210	1	01/12/2024 00:29	WG2205793
sec-Butylbenzene	ND		0.0210	1	01/12/2024 00:29	WG2205793
tert-Butylbenzene	ND		0.00839	1	01/12/2024 00:29	WG2205793
Carbon tetrachloride	ND		0.00839	1	01/12/2024 00:29	WG2205793
Chlorobenzene	ND		0.00419	1	01/12/2024 00:29	WG2205793
Chlorodibromomethane	ND		0.00419	1	01/12/2024 00:29	WG2205793
Chloroethane	ND		0.00839	1	01/12/2024 00:29	WG2205793
Chloroform	ND		0.00419	1	01/12/2024 00:29	WG2205793
Chloromethane	ND	J3	0.0210	1	01/12/2024 00:29	WG2205793
2-Chlorotoluene	ND		0.00419	1	01/12/2024 00:29	WG2205793
4-Chlorotoluene	ND		0.00839	1	01/12/2024 00:29	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0419	1	01/12/2024 00:29	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00419	1	01/12/2024 00:29	WG2205793
Dibromomethane	ND		0.00839	1	01/12/2024 00:29	WG2205793
1,2-Dichlorobenzene	ND		0.00839	1	01/12/2024 00:29	WG2205793
1,3-Dichlorobenzene	ND		0.00839	1	01/12/2024 00:29	WG2205793
1,4-Dichlorobenzene	ND		0.00839	1	01/12/2024 00:29	WG2205793
Dichlorodifluoromethane	ND	J3	0.00839	1	01/12/2024 00:29	WG2205793
1,1-Dichloroethane	ND		0.00419	1	01/12/2024 00:29	WG2205793
1,2-Dichloroethane	ND		0.00419	1	01/12/2024 00:29	WG2205793
1,1-Dichloroethene	ND		0.00419	1	01/12/2024 00:29	WG2205793
cis-1,2-Dichloroethene	ND		0.00419	1	01/12/2024 00:29	WG2205793
trans-1,2-Dichloroethene	ND		0.00839	1	01/12/2024 00:29	WG2205793
1,2-Dichloropropane	ND		0.00839	1	01/12/2024 00:29	WG2205793
1,1-Dichloropropene	ND		0.00419	1	01/12/2024 00:29	WG2205793
1,3-Dichloropropane	ND		0.00839	1	01/12/2024 00:29	WG2205793
cis-1,3-Dichloropropene	ND		0.00419	1	01/12/2024 00:29	WG2205793
trans-1,3-Dichloropropene	ND		0.00839	1	01/12/2024 00:29	WG2205793
2,2-Dichloropropane	ND		0.00419	1	01/12/2024 00:29	WG2205793
Di-isopropyl ether	ND		0.00168	1	01/12/2024 00:29	WG2205793
Ethylbenzene	ND		0.00419	1	01/12/2024 00:29	WG2205793
Hexachloro-1,3-butadiene	ND		0.0419	1	01/12/2024 00:29	WG2205793
Isopropylbenzene	ND		0.00419	1	01/12/2024 00:29	WG2205793
p-Isopropyltoluene	ND		0.00839	1	01/12/2024 00:29	WG2205793
2-Butanone (MEK)	ND		0.168	1	01/12/2024 00:29	WG2205793
Methylene Chloride	ND		0.0419	1	01/12/2024 00:29	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0419	1	01/12/2024 00:29	WG2205793
Methyl tert-butyl ether	ND		0.00168	1	01/12/2024 00:29	WG2205793
Naphthalene	ND		0.0210	1	01/12/2024 00:29	WG2205793
n-Propylbenzene	ND		0.00839	1	01/12/2024 00:29	WG2205793
Styrene	ND		0.0210	1	01/12/2024 00:29	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00419	1	01/12/2024 00:29	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00419	1	01/12/2024 00:29	WG2205793
Tetrachloroethene	ND		0.00419	1	01/12/2024 00:29	WG2205793
Toluene	ND		0.00839	1	01/12/2024 00:29	WG2205793
1,2,3-Trichlorobenzene	ND		0.0210	1	01/12/2024 00:29	WG2205793
1,2,4-Trichlorobenzene	ND		0.0210	1	01/12/2024 00:29	WG2205793
1,1,1-Trichloroethane	ND		0.00419	1	01/12/2024 00:29	WG2205793
1,1,2-Trichloroethane	ND		0.00419	1	01/12/2024 00:29	WG2205793
Trichloroethene	ND		0.00168	1	01/12/2024 00:29	WG2205793
Trichlorofluoromethane	ND		0.00419	1	01/12/2024 00:29	WG2205793
1,2,3-Trichloropropane	ND		0.0210	1	01/12/2024 00:29	WG2205793
1,2,4-Trimethylbenzene	ND		0.00839	1	01/12/2024 00:29	WG2205793
1,3,5-Trimethylbenzene	ND		0.00839	1	01/12/2024 00:29	WG2205793
Vinyl chloride	ND		0.00419	1	01/12/2024 00:29	WG2205793
Xylenes, Total	ND		0.0109	1	01/12/2024 00:29	WG2205793
(S) Toluene-d8	103		75.0-131		01/12/2024 00:29	WG2205793
(S) 4-Bromofluorobenzene	109		67.0-138		01/12/2024 00:29	WG2205793
(S) 1,2-Dichloroethane-d4	85.3		70.0-130		01/12/2024 00:29	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0435	1	01/11/2024 17:47	WG2205036
Acenaphthylene	ND		0.0435	1	01/11/2024 17:47	WG2205036
Anthracene	0.0545		0.0435	1	01/11/2024 17:47	WG2205036
Benzidine	ND		2.18	1	01/11/2024 17:47	WG2205036
Benzo(a)anthracene	0.140		0.0435	1	01/11/2024 17:47	WG2205036

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.146		0.0435	1	01/11/2024 17:47	WG2205036
Benzo(k)fluoranthene	0.0511		0.0435	1	01/11/2024 17:47	WG2205036
Benzo(g,h,i)perylene	0.0689		0.0435	1	01/11/2024 17:47	WG2205036
Benzo(a)pyrene	0.117		0.0435	1	01/11/2024 17:47	WG2205036
Bis(2-chloroethoxy)methane	ND		0.435	1	01/11/2024 17:47	WG2205036
Bis(2-chloroethyl)ether	ND		0.435	1	01/11/2024 17:47	WG2205036
2,2-Oxybis(1-Chloropropane)	ND		0.435	1	01/11/2024 17:47	WG2205036
4-Bromophenyl-phenylether	ND		0.435	1	01/11/2024 17:47	WG2205036
2-Chloronaphthalene	ND		0.0435	1	01/11/2024 17:47	WG2205036
4-Chlorophenyl-phenylether	ND		0.435	1	01/11/2024 17:47	WG2205036
Chrysene	0.116		0.0435	1	01/11/2024 17:47	WG2205036
Dibenz(a,h)anthracene	ND		0.0435	1	01/11/2024 17:47	WG2205036
3,3-Dichlorobenzidine	ND		0.435	1	01/11/2024 17:47	WG2205036
2,4-Dinitrotoluene	ND		0.435	1	01/11/2024 17:47	WG2205036
2,6-Dinitrotoluene	ND		0.435	1	01/11/2024 17:47	WG2205036
Fluoranthene	0.295		0.0435	1	01/11/2024 17:47	WG2205036
Fluorene	ND		0.0435	1	01/11/2024 17:47	WG2205036
Hexachlorobenzene	ND		0.435	1	01/11/2024 17:47	WG2205036
Hexachloro-1,3-butadiene	ND		0.435	1	01/11/2024 17:47	WG2205036
Hexachlorocyclopentadiene	ND		0.435	1	01/11/2024 17:47	WG2205036
Hexachloroethane	ND		0.435	1	01/11/2024 17:47	WG2205036
Indeno(1,2,3-cd)pyrene	0.0772		0.0435	1	01/11/2024 17:47	WG2205036
Isophorone	ND		0.435	1	01/11/2024 17:47	WG2205036
Naphthalene	ND		0.0435	1	01/11/2024 17:47	WG2205036
Nitrobenzene	ND		0.435	1	01/11/2024 17:47	WG2205036
n-Nitrosodimethylamine	ND		0.435	1	01/11/2024 17:47	WG2205036
n-Nitrosodiphenylamine	ND		0.435	1	01/11/2024 17:47	WG2205036
n-Nitrosodi-n-propylamine	ND		0.435	1	01/11/2024 17:47	WG2205036
Phenanthrene	0.244		0.0435	1	01/11/2024 17:47	WG2205036
Benzylbutyl phthalate	ND		0.435	1	01/11/2024 17:47	WG2205036
Bis(2-ethylhexyl)phthalate	ND		0.435	1	01/11/2024 17:47	WG2205036
Di-n-butyl phthalate	ND		0.435	1	01/11/2024 17:47	WG2205036
Diethyl phthalate	ND		0.435	1	01/11/2024 17:47	WG2205036
Dimethyl phthalate	ND		0.435	1	01/11/2024 17:47	WG2205036
Di-n-octyl phthalate	ND		0.435	1	01/11/2024 17:47	WG2205036
Pyrene	0.252		0.0435	1	01/11/2024 17:47	WG2205036
1,2,4-Trichlorobenzene	ND		0.435	1	01/11/2024 17:47	WG2205036
4-Chloro-3-methylphenol	ND		0.435	1	01/11/2024 17:47	WG2205036
2-Chlorophenol	ND		0.435	1	01/11/2024 17:47	WG2205036
2,4-Dichlorophenol	ND		0.435	1	01/11/2024 17:47	WG2205036
2,4-Dimethylphenol	ND		0.435	1	01/11/2024 17:47	WG2205036
4,6-Dinitro-2-methylphenol	ND		0.435	1	01/11/2024 17:47	WG2205036
2,4-Dinitrophenol	ND		0.435	1	01/11/2024 17:47	WG2205036
2-Nitrophenol	ND		0.435	1	01/11/2024 17:47	WG2205036
4-Nitrophenol	ND		0.435	1	01/11/2024 17:47	WG2205036
Pentachlorophenol	ND		0.435	1	01/11/2024 17:47	WG2205036
Phenol	ND		0.435	1	01/11/2024 17:47	WG2205036
2,4,6-Trichlorophenol	ND		0.435	1	01/11/2024 17:47	WG2205036
(S) 2-Fluorophenol	54.3		12.0-120		01/11/2024 17:47	WG2205036
(S) Phenol-d5	49.4		10.0-120		01/11/2024 17:47	WG2205036
(S) Nitrobenzene-d5	53.2		10.0-122		01/11/2024 17:47	WG2205036
(S) 2-Fluorobiphenyl	55.6		15.0-120		01/11/2024 17:47	WG2205036
(S) 2,4,6-Tribromophenol	64.0		10.0-127		01/11/2024 17:47	WG2205036
(S) p-Terphenyl-d14	64.1		10.0-120		01/11/2024 17:47	WG2205036

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.5		1	01/10/2024 16:15	WG2204687

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.78		1.17	1	01/11/2024 13:13	WG2204934

Mercury by Method 7471B

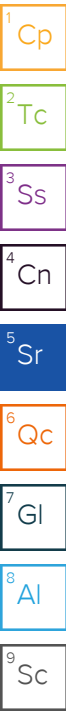
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0468	1	01/11/2024 11:04	WG2204736

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.51	5	01/29/2024 20:45	WG2204929
Arsenic	ND		1.17	5	01/29/2024 20:45	WG2204929
Barium	65.6		2.92	5	01/29/2024 20:45	WG2204929
Beryllium	ND		2.92	5	01/29/2024 20:45	WG2204929
Cadmium	ND		1.17	5	01/29/2024 20:45	WG2204929
Chromium	21.5		5.85	5	01/29/2024 20:45	WG2204929
Cobalt	10.5		1.17	5	01/29/2024 20:45	WG2204929
Copper	12.1		5.85	5	01/29/2024 20:45	WG2204929
Lead	17.3		2.34	5	01/29/2024 20:45	WG2204929
Manganese	435		2.92	5	01/29/2024 20:45	WG2204929
Nickel	7.96		2.92	5	01/29/2024 20:45	WG2204929
Selenium	ND		2.92	5	01/29/2024 20:45	WG2204929
Silver	ND		0.585	5	01/29/2024 20:45	WG2204929
Thallium	ND		2.34	5	01/29/2024 20:45	WG2204929
Vanadium	34.6		2.92	5	01/29/2024 20:45	WG2204929
Zinc	ND		29.2	5	01/29/2024 20:45	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0698	1.05	01/12/2024 00:48	WG2205793
Acrylonitrile	ND		0.0174	1.05	01/12/2024 00:48	WG2205793
Benzene	ND		0.00140	1.05	01/12/2024 00:48	WG2205793
Bromobenzene	ND		0.0174	1.05	01/12/2024 00:48	WG2205793
Bromodichloromethane	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
Bromoform	ND		0.0350	1.05	01/12/2024 00:48	WG2205793
Bromomethane	ND		0.0174	1.05	01/12/2024 00:48	WG2205793
n-Butylbenzene	ND		0.0174	1.05	01/12/2024 00:48	WG2205793
sec-Butylbenzene	ND		0.0174	1.05	01/12/2024 00:48	WG2205793
tert-Butylbenzene	ND		0.00698	1.05	01/12/2024 00:48	WG2205793
Carbon tetrachloride	ND		0.00698	1.05	01/12/2024 00:48	WG2205793
Chlorobenzene	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
Chlorodibromomethane	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
Chloroethane	ND		0.00698	1.05	01/12/2024 00:48	WG2205793
Chloroform	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
Chloromethane	ND	J3	0.0174	1.05	01/12/2024 00:48	WG2205793
2-Chlorotoluene	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
4-Chlorotoluene	ND		0.00698	1.05	01/12/2024 00:48	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0350	1.05	01/12/2024 00:48	WG2205793



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
Dibromomethane	ND		0.00698	1.05	01/12/2024 00:48	WG2205793
1,2-Dichlorobenzene	ND		0.00698	1.05	01/12/2024 00:48	WG2205793
1,3-Dichlorobenzene	ND		0.00698	1.05	01/12/2024 00:48	WG2205793
1,4-Dichlorobenzene	ND		0.00698	1.05	01/12/2024 00:48	WG2205793
Dichlorodifluoromethane	ND	J3	0.00698	1.05	01/12/2024 00:48	WG2205793
1,1-Dichloroethane	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
1,2-Dichloroethane	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
1,1-Dichloroethene	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
cis-1,2-Dichloroethene	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
trans-1,2-Dichloroethene	ND		0.00698	1.05	01/12/2024 00:48	WG2205793
1,2-Dichloropropane	ND		0.00698	1.05	01/12/2024 00:48	WG2205793
1,1-Dichloropropene	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
1,3-Dichloropropane	ND		0.00698	1.05	01/12/2024 00:48	WG2205793
cis-1,3-Dichloropropene	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
trans-1,3-Dichloropropene	ND		0.00698	1.05	01/12/2024 00:48	WG2205793
2,2-Dichloropropane	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
Di-isopropyl ether	ND		0.00140	1.05	01/12/2024 00:48	WG2205793
Ethylbenzene	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
Hexachloro-1,3-butadiene	ND		0.0350	1.05	01/12/2024 00:48	WG2205793
Isopropylbenzene	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
p-Isopropyltoluene	ND		0.00698	1.05	01/12/2024 00:48	WG2205793
2-Butanone (MEK)	ND		0.140	1.05	01/12/2024 00:48	WG2205793
Methylene Chloride	ND		0.0350	1.05	01/12/2024 00:48	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0350	1.05	01/12/2024 00:48	WG2205793
Methyl tert-butyl ether	ND		0.00140	1.05	01/12/2024 00:48	WG2205793
Naphthalene	0.0472		0.0174	1.05	01/12/2024 00:48	WG2205793
n-Propylbenzene	ND		0.00698	1.05	01/12/2024 00:48	WG2205793
Styrene	ND		0.0174	1.05	01/12/2024 00:48	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
Tetrachloroethene	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
Toluene	ND		0.00698	1.05	01/12/2024 00:48	WG2205793
1,2,3-Trichlorobenzene	ND		0.0174	1.05	01/12/2024 00:48	WG2205793
1,2,4-Trichlorobenzene	ND		0.0174	1.05	01/12/2024 00:48	WG2205793
1,1,1-Trichloroethane	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
1,1,2-Trichloroethane	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
Trichloroethene	ND		0.00140	1.05	01/12/2024 00:48	WG2205793
Trichlorofluoromethane	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
1,2,3-Trichloropropane	ND		0.0174	1.05	01/12/2024 00:48	WG2205793
1,2,4-Trimethylbenzene	ND		0.00698	1.05	01/12/2024 00:48	WG2205793
1,3,5-Trimethylbenzene	ND		0.00698	1.05	01/12/2024 00:48	WG2205793
Vinyl chloride	ND		0.00350	1.05	01/12/2024 00:48	WG2205793
Xylenes, Total	ND		0.00908	1.05	01/12/2024 00:48	WG2205793
(S) Toluene-d8	98.6		75.0-131		01/12/2024 00:48	WG2205793
(S) 4-Bromofluorobenzene	109		67.0-138		01/12/2024 00:48	WG2205793
(S) 1,2-Dichloroethane-d4	85.1		70.0-130		01/12/2024 00:48	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0779	2	01/11/2024 20:36	WG2205036
Acenaphthylene	ND		0.0779	2	01/11/2024 20:36	WG2205036
Anthracene	ND		0.0779	2	01/11/2024 20:36	WG2205036
Benzidine	ND		3.91	2	01/11/2024 20:36	WG2205036
Benzo(a)anthracene	ND		0.0779	2	01/11/2024 20:36	WG2205036

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0779	2	01/11/2024 20:36	WG2205036
Benzo(k)fluoranthene	ND		0.0779	2	01/11/2024 20:36	WG2205036
Benzo(g,h,i)perylene	ND		0.0779	2	01/11/2024 20:36	WG2205036
Benzo(a)pyrene	ND		0.0779	2	01/11/2024 20:36	WG2205036
Bis(2-chloroethoxy)methane	ND		0.779	2	01/11/2024 20:36	WG2205036
Bis(2-chloroethyl)ether	ND		0.779	2	01/11/2024 20:36	WG2205036
2,2-Oxybis(1-Chloropropane)	ND		0.779	2	01/11/2024 20:36	WG2205036
4-Bromophenyl-phenylether	ND		0.779	2	01/11/2024 20:36	WG2205036
2-Chloronaphthalene	ND		0.0779	2	01/11/2024 20:36	WG2205036
4-Chlorophenyl-phenylether	ND		0.779	2	01/11/2024 20:36	WG2205036
Chrysene	ND		0.0779	2	01/11/2024 20:36	WG2205036
Dibenz(a,h)anthracene	ND		0.0779	2	01/11/2024 20:36	WG2205036
3,3-Dichlorobenzidine	ND		0.779	2	01/11/2024 20:36	WG2205036
2,4-Dinitrotoluene	ND		0.779	2	01/11/2024 20:36	WG2205036
2,6-Dinitrotoluene	ND		0.779	2	01/11/2024 20:36	WG2205036
Fluoranthene	ND		0.0779	2	01/11/2024 20:36	WG2205036
Fluorene	ND		0.0779	2	01/11/2024 20:36	WG2205036
Hexachlorobenzene	ND		0.779	2	01/11/2024 20:36	WG2205036
Hexachloro-1,3-butadiene	ND		0.779	2	01/11/2024 20:36	WG2205036
Hexachlorocyclopentadiene	ND		0.779	2	01/11/2024 20:36	WG2205036
Hexachloroethane	ND		0.779	2	01/11/2024 20:36	WG2205036
Indeno(1,2,3-cd)pyrene	ND		0.0779	2	01/11/2024 20:36	WG2205036
Isophorone	ND		0.779	2	01/11/2024 20:36	WG2205036
Naphthalene	ND		0.0779	2	01/11/2024 20:36	WG2205036
Nitrobenzene	ND		0.779	2	01/11/2024 20:36	WG2205036
n-Nitrosodimethylamine	ND		0.779	2	01/11/2024 20:36	WG2205036
n-Nitrosodiphenylamine	ND		0.779	2	01/11/2024 20:36	WG2205036
n-Nitrosodi-n-propylamine	ND		0.779	2	01/11/2024 20:36	WG2205036
Phenanthrene	ND		0.0779	2	01/11/2024 20:36	WG2205036
Benzylbutyl phthalate	ND		0.779	2	01/11/2024 20:36	WG2205036
Bis(2-ethylhexyl)phthalate	ND		0.779	2	01/11/2024 20:36	WG2205036
Di-n-butyl phthalate	ND		0.779	2	01/11/2024 20:36	WG2205036
Diethyl phthalate	ND		0.779	2	01/11/2024 20:36	WG2205036
Dimethyl phthalate	ND		0.779	2	01/11/2024 20:36	WG2205036
Di-n-octyl phthalate	ND		0.779	2	01/11/2024 20:36	WG2205036
Pyrene	ND		0.0779	2	01/11/2024 20:36	WG2205036
1,2,4-Trichlorobenzene	ND		0.779	2	01/11/2024 20:36	WG2205036
4-Chloro-3-methylphenol	ND		0.779	2	01/11/2024 20:36	WG2205036
2-Chlorophenol	ND		0.779	2	01/11/2024 20:36	WG2205036
2,4-Dichlorophenol	ND		0.779	2	01/11/2024 20:36	WG2205036
2,4-Dimethylphenol	ND		0.779	2	01/11/2024 20:36	WG2205036
4,6-Dinitro-2-methylphenol	ND		0.779	2	01/11/2024 20:36	WG2205036
2,4-Dinitrophenol	ND		0.779	2	01/11/2024 20:36	WG2205036
2-Nitrophenol	ND		0.779	2	01/11/2024 20:36	WG2205036
4-Nitrophenol	ND		0.779	2	01/11/2024 20:36	WG2205036
Pentachlorophenol	ND		0.779	2	01/11/2024 20:36	WG2205036
Phenol	ND		0.779	2	01/11/2024 20:36	WG2205036
2,4,6-Trichlorophenol	ND		0.779	2	01/11/2024 20:36	WG2205036
(S) 2-Fluorophenol	69.1		12.0-120		01/11/2024 20:36	WG2205036
(S) Phenol-d5	60.8		10.0-120		01/11/2024 20:36	WG2205036
(S) Nitrobenzene-d5	68.8		10.0-122		01/11/2024 20:36	WG2205036
(S) 2-Fluorobiphenyl	70.9		15.0-120		01/11/2024 20:36	WG2205036
(S) 2,4,6-Tribromophenol	80.3		10.0-127		01/11/2024 20:36	WG2205036
(S) p-Terphenyl-d14	77.6		10.0-120		01/11/2024 20:36	WG2205036

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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L1694720-07 WG2205036: Dilution due to matrix impact during extraction procedure. Surrogate failure due to matrix.

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	82.3		1	01/10/2024 16:15	WG2204687

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.22	1	01/11/2024 13:19	WG2204934

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	ND		0.0486	1	01/11/2024 11:07	WG2204736

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		3.65	5	01/29/2024 20:48	WG2204929
Arsenic	1.28		1.22	5	01/29/2024 20:48	WG2204929
Barium	58.6		3.04	5	01/29/2024 20:48	WG2204929
Beryllium	ND		3.04	5	01/29/2024 20:48	WG2204929
Cadmium	ND		1.22	5	01/29/2024 20:48	WG2204929
Chromium	13.0		6.08	5	01/29/2024 20:48	WG2204929
Cobalt	7.42		1.22	5	01/29/2024 20:48	WG2204929
Copper	6.83		6.08	5	01/29/2024 20:48	WG2204929
Lead	30.9		2.43	5	01/29/2024 20:48	WG2204929
Manganese	332		3.04	5	01/29/2024 20:48	WG2204929
Nickel	7.36		3.04	5	01/29/2024 20:48	WG2204929
Selenium	ND		3.04	5	01/29/2024 20:48	WG2204929
Silver	ND		0.608	5	01/29/2024 20:48	WG2204929
Thallium	ND		2.43	5	01/29/2024 20:48	WG2204929
Vanadium	16.4		3.04	5	01/29/2024 20:48	WG2204929
Zinc	ND		30.4	5	01/29/2024 20:48	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND		0.0732	1	01/12/2024 01:07	WG2205793
Acrylonitrile	ND		0.0183	1	01/12/2024 01:07	WG2205793
Benzene	ND		0.00146	1	01/12/2024 01:07	WG2205793
Bromobenzene	ND		0.0183	1	01/12/2024 01:07	WG2205793
Bromodichloromethane	ND		0.00366	1	01/12/2024 01:07	WG2205793
Bromoform	ND		0.0366	1	01/12/2024 01:07	WG2205793
Bromomethane	ND		0.0183	1	01/12/2024 01:07	WG2205793
n-Butylbenzene	ND		0.0183	1	01/12/2024 01:07	WG2205793
sec-Butylbenzene	ND		0.0183	1	01/12/2024 01:07	WG2205793
tert-Butylbenzene	ND		0.00732	1	01/12/2024 01:07	WG2205793
Carbon tetrachloride	ND		0.00732	1	01/12/2024 01:07	WG2205793
Chlorobenzene	ND		0.00366	1	01/12/2024 01:07	WG2205793
Chlorodibromomethane	ND		0.00366	1	01/12/2024 01:07	WG2205793
Chloroethane	ND		0.00732	1	01/12/2024 01:07	WG2205793
Chloroform	ND		0.00366	1	01/12/2024 01:07	WG2205793
Chloromethane	ND	J3	0.0183	1	01/12/2024 01:07	WG2205793
2-Chlorotoluene	ND		0.00366	1	01/12/2024 01:07	WG2205793
4-Chlorotoluene	ND		0.00732	1	01/12/2024 01:07	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0366	1	01/12/2024 01:07	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00366	1	01/12/2024 01:07	WG2205793
Dibromomethane	ND		0.00732	1	01/12/2024 01:07	WG2205793
1,2-Dichlorobenzene	ND		0.00732	1	01/12/2024 01:07	WG2205793
1,3-Dichlorobenzene	ND		0.00732	1	01/12/2024 01:07	WG2205793
1,4-Dichlorobenzene	ND		0.00732	1	01/12/2024 01:07	WG2205793
Dichlorodifluoromethane	ND	J3	0.00732	1	01/12/2024 01:07	WG2205793
1,1-Dichloroethane	ND		0.00366	1	01/12/2024 01:07	WG2205793
1,2-Dichloroethane	ND		0.00366	1	01/12/2024 01:07	WG2205793
1,1-Dichloroethene	ND		0.00366	1	01/12/2024 01:07	WG2205793
cis-1,2-Dichloroethene	ND		0.00366	1	01/12/2024 01:07	WG2205793
trans-1,2-Dichloroethene	ND		0.00732	1	01/12/2024 01:07	WG2205793
1,2-Dichloropropane	ND		0.00732	1	01/12/2024 01:07	WG2205793
1,1-Dichloropropene	ND		0.00366	1	01/12/2024 01:07	WG2205793
1,3-Dichloropropane	ND		0.00732	1	01/12/2024 01:07	WG2205793
cis-1,3-Dichloropropene	ND		0.00366	1	01/12/2024 01:07	WG2205793
trans-1,3-Dichloropropene	ND		0.00732	1	01/12/2024 01:07	WG2205793
2,2-Dichloropropane	ND		0.00366	1	01/12/2024 01:07	WG2205793
Di-isopropyl ether	ND		0.00146	1	01/12/2024 01:07	WG2205793
Ethylbenzene	ND		0.00366	1	01/12/2024 01:07	WG2205793
Hexachloro-1,3-butadiene	ND		0.0366	1	01/12/2024 01:07	WG2205793
Isopropylbenzene	ND		0.00366	1	01/12/2024 01:07	WG2205793
p-Isopropyltoluene	ND		0.00732	1	01/12/2024 01:07	WG2205793
2-Butanone (MEK)	ND		0.146	1	01/12/2024 01:07	WG2205793
Methylene Chloride	ND		0.0366	1	01/12/2024 01:07	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0366	1	01/12/2024 01:07	WG2205793
Methyl tert-butyl ether	ND		0.00146	1	01/12/2024 01:07	WG2205793
Naphthalene	ND		0.0183	1	01/12/2024 01:07	WG2205793
n-Propylbenzene	ND		0.00732	1	01/12/2024 01:07	WG2205793
Styrene	ND		0.0183	1	01/12/2024 01:07	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00366	1	01/12/2024 01:07	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00366	1	01/12/2024 01:07	WG2205793
Tetrachloroethene	ND		0.00366	1	01/12/2024 01:07	WG2205793
Toluene	ND		0.00732	1	01/12/2024 01:07	WG2205793
1,2,3-Trichlorobenzene	ND		0.0183	1	01/12/2024 01:07	WG2205793
1,2,4-Trichlorobenzene	ND		0.0183	1	01/12/2024 01:07	WG2205793
1,1,1-Trichloroethane	ND		0.00366	1	01/12/2024 01:07	WG2205793
1,1,2-Trichloroethane	ND		0.00366	1	01/12/2024 01:07	WG2205793
Trichloroethene	ND		0.00146	1	01/12/2024 01:07	WG2205793
Trichlorofluoromethane	ND		0.00366	1	01/12/2024 01:07	WG2205793
1,2,3-Trichloropropane	ND		0.0183	1	01/12/2024 01:07	WG2205793
1,2,4-Trimethylbenzene	ND		0.00732	1	01/12/2024 01:07	WG2205793
1,3,5-Trimethylbenzene	ND		0.00732	1	01/12/2024 01:07	WG2205793
Vinyl chloride	ND		0.00366	1	01/12/2024 01:07	WG2205793
Xylenes, Total	ND		0.00952	1	01/12/2024 01:07	WG2205793
(S) Toluene-d8	130		75.0-131		01/12/2024 01:07	WG2205793
(S) 4-Bromofluorobenzene	106		67.0-138		01/12/2024 01:07	WG2205793
(S) 1,2-Dichloroethane-d4	83.8		70.0-130		01/12/2024 01:07	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0405	1	01/11/2024 18:11	WG2205036
Acenaphthylene	ND		0.0405	1	01/11/2024 18:11	WG2205036
Anthracene	ND		0.0405	1	01/11/2024 18:11	WG2205036
Benzidine	ND		2.03	1	01/11/2024 18:11	WG2205036
Benzo(a)anthracene	ND		0.0405	1	01/11/2024 18:11	WG2205036

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0405	1	01/11/2024 18:11	WG2205036
Benzo(k)fluoranthene	ND		0.0405	1	01/11/2024 18:11	WG2205036
Benzo(g,h,i)perylene	ND		0.0405	1	01/11/2024 18:11	WG2205036
Benzo(a)pyrene	ND		0.0405	1	01/11/2024 18:11	WG2205036
Bis(2-chloroethoxy)methane	ND		0.405	1	01/11/2024 18:11	WG2205036
Bis(2-chloroethyl)ether	ND		0.405	1	01/11/2024 18:11	WG2205036
2,2-Oxybis(1-Chloropropane)	ND		0.405	1	01/11/2024 18:11	WG2205036
4-Bromophenyl-phenylether	ND		0.405	1	01/11/2024 18:11	WG2205036
2-Chloronaphthalene	ND		0.0405	1	01/11/2024 18:11	WG2205036
4-Chlorophenyl-phenylether	ND		0.405	1	01/11/2024 18:11	WG2205036
Chrysene	ND		0.0405	1	01/11/2024 18:11	WG2205036
Dibenz(a,h)anthracene	ND		0.0405	1	01/11/2024 18:11	WG2205036
3,3-Dichlorobenzidine	ND		0.405	1	01/11/2024 18:11	WG2205036
2,4-Dinitrotoluene	ND		0.405	1	01/11/2024 18:11	WG2205036
2,6-Dinitrotoluene	ND		0.405	1	01/11/2024 18:11	WG2205036
Fluoranthene	ND		0.0405	1	01/11/2024 18:11	WG2205036
Fluorene	ND		0.0405	1	01/11/2024 18:11	WG2205036
Hexachlorobenzene	ND		0.405	1	01/11/2024 18:11	WG2205036
Hexachloro-1,3-butadiene	ND		0.405	1	01/11/2024 18:11	WG2205036
Hexachlorocyclopentadiene	ND		0.405	1	01/11/2024 18:11	WG2205036
Hexachloroethane	ND		0.405	1	01/11/2024 18:11	WG2205036
Indeno(1,2,3-cd)pyrene	ND		0.0405	1	01/11/2024 18:11	WG2205036
Isophorone	ND		0.405	1	01/11/2024 18:11	WG2205036
Naphthalene	ND		0.0405	1	01/11/2024 18:11	WG2205036
Nitrobenzene	ND		0.405	1	01/11/2024 18:11	WG2205036
n-Nitrosodimethylamine	ND		0.405	1	01/11/2024 18:11	WG2205036
n-Nitrosodiphenylamine	ND		0.405	1	01/11/2024 18:11	WG2205036
n-Nitrosodi-n-propylamine	ND		0.405	1	01/11/2024 18:11	WG2205036
Phenanthrene	ND		0.0405	1	01/11/2024 18:11	WG2205036
Benzylbutyl phthalate	ND		0.405	1	01/11/2024 18:11	WG2205036
Bis(2-ethylhexyl)phthalate	ND		0.405	1	01/11/2024 18:11	WG2205036
Di-n-butyl phthalate	ND		0.405	1	01/11/2024 18:11	WG2205036
Diethyl phthalate	ND		0.405	1	01/11/2024 18:11	WG2205036
Dimethyl phthalate	ND		0.405	1	01/11/2024 18:11	WG2205036
Di-n-octyl phthalate	ND		0.405	1	01/11/2024 18:11	WG2205036
Pyrene	ND		0.0405	1	01/11/2024 18:11	WG2205036
1,2,4-Trichlorobenzene	ND		0.405	1	01/11/2024 18:11	WG2205036
4-Chloro-3-methylphenol	ND		0.405	1	01/11/2024 18:11	WG2205036
2-Chlorophenol	ND		0.405	1	01/11/2024 18:11	WG2205036
2,4-Dichlorophenol	ND		0.405	1	01/11/2024 18:11	WG2205036
2,4-Dimethylphenol	ND		0.405	1	01/11/2024 18:11	WG2205036
4,6-Dinitro-2-methylphenol	ND		0.405	1	01/11/2024 18:11	WG2205036
2,4-Dinitrophenol	ND		0.405	1	01/11/2024 18:11	WG2205036
2-Nitrophenol	ND		0.405	1	01/11/2024 18:11	WG2205036
4-Nitrophenol	ND		0.405	1	01/11/2024 18:11	WG2205036
Pentachlorophenol	ND		0.405	1	01/11/2024 18:11	WG2205036
Phenol	ND		0.405	1	01/11/2024 18:11	WG2205036
2,4,6-Trichlorophenol	ND		0.405	1	01/11/2024 18:11	WG2205036
(S) 2-Fluorophenol	62.2		12.0-120		01/11/2024 18:11	WG2205036
(S) Phenol-d5	54.6		10.0-120		01/11/2024 18:11	WG2205036
(S) Nitrobenzene-d5	60.5		10.0-122		01/11/2024 18:11	WG2205036
(S) 2-Fluorobiphenyl	64.5		15.0-120		01/11/2024 18:11	WG2205036
(S) 2,4,6-Tribromophenol	75.5		10.0-127		01/11/2024 18:11	WG2205036
(S) p-Terphenyl-d14	72.5		10.0-120		01/11/2024 18:11	WG2205036

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.8		1	01/10/2024 16:15	WG2204687

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.66		1.21	1	01/11/2024 13:25	WG2204934

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0519		0.0483	1	01/11/2024 11:09	WG2204736

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.62	5	01/29/2024 20:51	WG2204929
Arsenic	2.26		1.21	5	01/29/2024 20:51	WG2204929
Barium	71.2		3.02	5	01/29/2024 20:51	WG2204929
Beryllium	ND		3.02	5	01/29/2024 20:51	WG2204929
Cadmium	ND		1.21	5	01/29/2024 20:51	WG2204929
Chromium	32.1		6.04	5	01/29/2024 20:51	WG2204929
Cobalt	10.7		1.21	5	01/29/2024 20:51	WG2204929
Copper	16.3		6.04	5	01/29/2024 20:51	WG2204929
Lead	35.9		2.42	5	01/29/2024 20:51	WG2204929
Manganese	585		3.02	5	01/29/2024 20:51	WG2204929
Nickel	12.6		3.02	5	01/29/2024 20:51	WG2204929
Selenium	ND		3.02	5	01/29/2024 20:51	WG2204929
Silver	ND		0.604	5	01/29/2024 20:51	WG2204929
Thallium	ND		2.42	5	01/29/2024 20:51	WG2204929
Vanadium	34.5		3.02	5	01/29/2024 20:51	WG2204929
Zinc	34.5		30.2	5	01/29/2024 20:51	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0709	1	01/12/2024 01:25	WG2205793
Acrylonitrile	ND		0.0177	1	01/12/2024 01:25	WG2205793
Benzene	ND		0.00142	1	01/12/2024 01:25	WG2205793
Bromobenzene	ND		0.0177	1	01/12/2024 01:25	WG2205793
Bromodichloromethane	ND		0.00354	1	01/12/2024 01:25	WG2205793
Bromoform	ND		0.0354	1	01/12/2024 01:25	WG2205793
Bromomethane	ND		0.0177	1	01/12/2024 01:25	WG2205793
n-Butylbenzene	ND		0.0177	1	01/12/2024 01:25	WG2205793
sec-Butylbenzene	ND		0.0177	1	01/12/2024 01:25	WG2205793
tert-Butylbenzene	ND		0.00709	1	01/12/2024 01:25	WG2205793
Carbon tetrachloride	ND		0.00709	1	01/12/2024 01:25	WG2205793
Chlorobenzene	ND		0.00354	1	01/12/2024 01:25	WG2205793
Chlorodibromomethane	ND		0.00354	1	01/12/2024 01:25	WG2205793
Chloroethane	ND		0.00709	1	01/12/2024 01:25	WG2205793
Chloroform	ND		0.00354	1	01/12/2024 01:25	WG2205793
Chloromethane	ND	J3	0.0177	1	01/12/2024 01:25	WG2205793
2-Chlorotoluene	ND		0.00354	1	01/12/2024 01:25	WG2205793
4-Chlorotoluene	ND		0.00709	1	01/12/2024 01:25	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0354	1	01/12/2024 01:25	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00354	1	01/12/2024 01:25	WG2205793
Dibromomethane	ND		0.00709	1	01/12/2024 01:25	WG2205793
1,2-Dichlorobenzene	ND		0.00709	1	01/12/2024 01:25	WG2205793
1,3-Dichlorobenzene	ND		0.00709	1	01/12/2024 01:25	WG2205793
1,4-Dichlorobenzene	ND		0.00709	1	01/12/2024 01:25	WG2205793
Dichlorodifluoromethane	ND	J3	0.00709	1	01/12/2024 01:25	WG2205793
1,1-Dichloroethane	ND		0.00354	1	01/12/2024 01:25	WG2205793
1,2-Dichloroethane	ND		0.00354	1	01/12/2024 01:25	WG2205793
1,1-Dichloroethene	ND		0.00354	1	01/12/2024 01:25	WG2205793
cis-1,2-Dichloroethene	ND		0.00354	1	01/12/2024 01:25	WG2205793
trans-1,2-Dichloroethene	ND		0.00709	1	01/12/2024 01:25	WG2205793
1,2-Dichloropropane	ND		0.00709	1	01/12/2024 01:25	WG2205793
1,1-Dichloropropene	ND		0.00354	1	01/12/2024 01:25	WG2205793
1,3-Dichloropropane	ND		0.00709	1	01/12/2024 01:25	WG2205793
cis-1,3-Dichloropropene	ND		0.00354	1	01/12/2024 01:25	WG2205793
trans-1,3-Dichloropropene	ND		0.00709	1	01/12/2024 01:25	WG2205793
2,2-Dichloropropane	ND		0.00354	1	01/12/2024 01:25	WG2205793
Di-isopropyl ether	ND		0.00142	1	01/12/2024 01:25	WG2205793
Ethylbenzene	ND		0.00354	1	01/12/2024 01:25	WG2205793
Hexachloro-1,3-butadiene	ND		0.0354	1	01/12/2024 01:25	WG2205793
Isopropylbenzene	ND		0.00354	1	01/12/2024 01:25	WG2205793
p-Isopropyltoluene	ND		0.00709	1	01/12/2024 01:25	WG2205793
2-Butanone (MEK)	ND		0.142	1	01/12/2024 01:25	WG2205793
Methylene Chloride	ND		0.0354	1	01/12/2024 01:25	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0354	1	01/12/2024 01:25	WG2205793
Methyl tert-butyl ether	ND		0.00142	1	01/12/2024 01:25	WG2205793
Naphthalene	ND		0.0177	1	01/12/2024 01:25	WG2205793
n-Propylbenzene	ND		0.00709	1	01/12/2024 01:25	WG2205793
Styrene	ND		0.0177	1	01/12/2024 01:25	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00354	1	01/12/2024 01:25	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00354	1	01/12/2024 01:25	WG2205793
Tetrachloroethene	ND		0.00354	1	01/12/2024 01:25	WG2205793
Toluene	ND		0.00709	1	01/12/2024 01:25	WG2205793
1,2,3-Trichlorobenzene	ND		0.0177	1	01/12/2024 01:25	WG2205793
1,2,4-Trichlorobenzene	ND		0.0177	1	01/12/2024 01:25	WG2205793
1,1,1-Trichloroethane	ND		0.00354	1	01/12/2024 01:25	WG2205793
1,1,2-Trichloroethane	ND		0.00354	1	01/12/2024 01:25	WG2205793
Trichloroethene	ND		0.00142	1	01/12/2024 01:25	WG2205793
Trichlorofluoromethane	ND		0.00354	1	01/12/2024 01:25	WG2205793
1,2,3-Trichloropropane	ND		0.0177	1	01/12/2024 01:25	WG2205793
1,2,4-Trimethylbenzene	ND		0.00709	1	01/12/2024 01:25	WG2205793
1,3,5-Trimethylbenzene	ND		0.00709	1	01/12/2024 01:25	WG2205793
Vinyl chloride	ND		0.00354	1	01/12/2024 01:25	WG2205793
Xylenes, Total	ND		0.00922	1	01/12/2024 01:25	WG2205793
(S) Toluene-d8	98.5		75.0-131		01/12/2024 01:25	WG2205793
(S) 4-Bromofluorobenzene	110		67.0-138		01/12/2024 01:25	WG2205793
(S) 1,2-Dichloroethane-d4	74.4		70.0-130		01/12/2024 01:25	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0402	1	01/11/2024 18:35	WG2205036
Acenaphthylene	ND		0.0402	1	01/11/2024 18:35	WG2205036
Anthracene	0.0505		0.0402	1	01/11/2024 18:35	WG2205036
Benzidine	ND		2.02	1	01/11/2024 18:35	WG2205036
Benzo(a)anthracene	0.210		0.0402	1	01/11/2024 18:35	WG2205036

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.228		0.0402	1	01/11/2024 18:35	WG2205036
Benzo(k)fluoranthene	0.0676		0.0402	1	01/11/2024 18:35	WG2205036
Benzo(g,h,i)perylene	0.117		0.0402	1	01/11/2024 18:35	WG2205036
Benzo(a)pyrene	0.191		0.0402	1	01/11/2024 18:35	WG2205036
Bis(2-chloroethoxy)methane	ND		0.402	1	01/11/2024 18:35	WG2205036
Bis(2-chloroethyl)ether	ND		0.402	1	01/11/2024 18:35	WG2205036
2,2-Oxybis(1-Chloropropane)	ND		0.402	1	01/11/2024 18:35	WG2205036
4-Bromophenyl-phenylether	ND		0.402	1	01/11/2024 18:35	WG2205036
2-Chloronaphthalene	ND		0.0402	1	01/11/2024 18:35	WG2205036
4-Chlorophenyl-phenylether	ND		0.402	1	01/11/2024 18:35	WG2205036
Chrysene	0.221		0.0402	1	01/11/2024 18:35	WG2205036
Dibenz(a,h)anthracene	ND		0.0402	1	01/11/2024 18:35	WG2205036
3,3-Dichlorobenzidine	ND		0.402	1	01/11/2024 18:35	WG2205036
2,4-Dinitrotoluene	ND		0.402	1	01/11/2024 18:35	WG2205036
2,6-Dinitrotoluene	ND		0.402	1	01/11/2024 18:35	WG2205036
Fluoranthene	0.429		0.0402	1	01/11/2024 18:35	WG2205036
Fluorene	ND		0.0402	1	01/11/2024 18:35	WG2205036
Hexachlorobenzene	ND		0.402	1	01/11/2024 18:35	WG2205036
Hexachloro-1,3-butadiene	ND		0.402	1	01/11/2024 18:35	WG2205036
Hexachlorocyclopentadiene	ND		0.402	1	01/11/2024 18:35	WG2205036
Hexachloroethane	ND		0.402	1	01/11/2024 18:35	WG2205036
Indeno(1,2,3-cd)pyrene	0.119		0.0402	1	01/11/2024 18:35	WG2205036
Isophorone	ND		0.402	1	01/11/2024 18:35	WG2205036
Naphthalene	ND		0.0402	1	01/11/2024 18:35	WG2205036
Nitrobenzene	ND		0.402	1	01/11/2024 18:35	WG2205036
n-Nitrosodimethylamine	ND		0.402	1	01/11/2024 18:35	WG2205036
n-Nitrosodiphenylamine	ND		0.402	1	01/11/2024 18:35	WG2205036
n-Nitrosodi-n-propylamine	ND		0.402	1	01/11/2024 18:35	WG2205036
Phenanthrene	0.291		0.0402	1	01/11/2024 18:35	WG2205036
Benzylbutyl phthalate	ND		0.402	1	01/11/2024 18:35	WG2205036
Bis(2-ethylhexyl)phthalate	ND		0.402	1	01/11/2024 18:35	WG2205036
Di-n-butyl phthalate	ND		0.402	1	01/11/2024 18:35	WG2205036
Diethyl phthalate	ND		0.402	1	01/11/2024 18:35	WG2205036
Dimethyl phthalate	ND		0.402	1	01/11/2024 18:35	WG2205036
Di-n-octyl phthalate	ND		0.402	1	01/11/2024 18:35	WG2205036
Pyrene	0.426		0.0402	1	01/11/2024 18:35	WG2205036
1,2,4-Trichlorobenzene	ND		0.402	1	01/11/2024 18:35	WG2205036
4-Chloro-3-methylphenol	ND		0.402	1	01/11/2024 18:35	WG2205036
2-Chlorophenol	ND		0.402	1	01/11/2024 18:35	WG2205036
2,4-Dichlorophenol	ND		0.402	1	01/11/2024 18:35	WG2205036
2,4-Dimethylphenol	ND		0.402	1	01/11/2024 18:35	WG2205036
4,6-Dinitro-2-methylphenol	ND		0.402	1	01/11/2024 18:35	WG2205036
2,4-Dinitrophenol	ND		0.402	1	01/11/2024 18:35	WG2205036
2-Nitrophenol	ND		0.402	1	01/11/2024 18:35	WG2205036
4-Nitrophenol	ND		0.402	1	01/11/2024 18:35	WG2205036
Pentachlorophenol	ND		0.402	1	01/11/2024 18:35	WG2205036
Phenol	ND		0.402	1	01/11/2024 18:35	WG2205036
2,4,6-Trichlorophenol	ND		0.402	1	01/11/2024 18:35	WG2205036
(S) 2-Fluorophenol	53.3		12.0-120		01/11/2024 18:35	WG2205036
(S) Phenol-d5	48.3		10.0-120		01/11/2024 18:35	WG2205036
(S) Nitrobenzene-d5	51.8		10.0-122		01/11/2024 18:35	WG2205036
(S) 2-Fluorobiphenyl	55.7		15.0-120		01/11/2024 18:35	WG2205036
(S) 2,4,6-Tribromophenol	64.9		10.0-127		01/11/2024 18:35	WG2205036
(S) p-Terphenyl-d14	62.3		10.0-120		01/11/2024 18:35	WG2205036

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	01/10/2024 14:08	WG2204507
Acrolein	ND		50.0	1	01/10/2024 14:08	WG2204507
Acrylonitrile	ND		10.0	1	01/10/2024 14:08	WG2204507
Benzene	ND		1.00	1	01/10/2024 14:08	WG2204507
Bromobenzene	ND		1.00	1	01/10/2024 14:08	WG2204507
Bromodichloromethane	ND		1.00	1	01/10/2024 14:08	WG2204507
Bromoform	ND	C3	1.00	1	01/10/2024 14:08	WG2204507
Bromomethane	ND		5.00	1	01/10/2024 14:08	WG2204507
n-Butylbenzene	ND		1.00	1	01/10/2024 14:08	WG2204507
sec-Butylbenzene	ND		1.00	1	01/10/2024 14:08	WG2204507
tert-Butylbenzene	ND		1.00	1	01/10/2024 14:08	WG2204507
Carbon tetrachloride	ND		1.00	1	01/10/2024 14:08	WG2204507
Chlorobenzene	ND		1.00	1	01/10/2024 14:08	WG2204507
Chlorodibromomethane	ND		1.00	1	01/10/2024 14:08	WG2204507
Chloroethane	ND		5.00	1	01/10/2024 14:08	WG2204507
Chloroform	ND		5.00	1	01/10/2024 14:08	WG2204507
Chloromethane	ND	C3 J3 J4	2.50	1	01/10/2024 14:08	WG2204507
2-Chlorotoluene	ND		1.00	1	01/10/2024 14:08	WG2204507
4-Chlorotoluene	ND		1.00	1	01/10/2024 14:08	WG2204507
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/10/2024 14:08	WG2204507
1,2-Dibromoethane	ND		1.00	1	01/10/2024 14:08	WG2204507
Dibromomethane	ND		1.00	1	01/10/2024 14:08	WG2204507
1,2-Dichlorobenzene	ND		1.00	1	01/10/2024 14:08	WG2204507
1,3-Dichlorobenzene	ND		1.00	1	01/10/2024 14:08	WG2204507
1,4-Dichlorobenzene	ND		1.00	1	01/10/2024 14:08	WG2204507
Dichlorodifluoromethane	ND		5.00	1	01/10/2024 14:08	WG2204507
1,1-Dichloroethane	ND		1.00	1	01/10/2024 14:08	WG2204507
1,2-Dichloroethane	ND		1.00	1	01/10/2024 14:08	WG2204507
1,1-Dichloroethene	ND		1.00	1	01/10/2024 14:08	WG2204507
cis-1,2-Dichloroethene	ND		1.00	1	01/10/2024 14:08	WG2204507
trans-1,2-Dichloroethene	ND		1.00	1	01/10/2024 14:08	WG2204507
1,2-Dichloropropane	ND		1.00	1	01/10/2024 14:08	WG2204507
1,1-Dichloropropene	ND		1.00	1	01/10/2024 14:08	WG2204507
1,3-Dichloropropane	ND		1.00	1	01/10/2024 14:08	WG2204507
cis-1,3-Dichloropropene	ND	J4	1.00	1	01/10/2024 14:08	WG2204507
trans-1,3-Dichloropropene	ND		1.00	1	01/10/2024 14:08	WG2204507
2,2-Dichloropropane	ND		1.00	1	01/10/2024 14:08	WG2204507
Di-isopropyl ether	ND		1.00	1	01/10/2024 14:08	WG2204507
Ethylbenzene	ND		1.00	1	01/10/2024 14:08	WG2204507
Hexachloro-1,3-butadiene	ND		1.00	1	01/10/2024 14:08	WG2204507
Isopropylbenzene	ND		1.00	1	01/10/2024 14:08	WG2204507
p-Isopropyltoluene	ND		1.00	1	01/10/2024 14:08	WG2204507
2-Butanone (MEK)	ND		10.0	1	01/10/2024 14:08	WG2204507
Methylene Chloride	ND		5.00	1	01/10/2024 14:08	WG2204507
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/10/2024 14:08	WG2204507
Methyl tert-butyl ether	ND		1.00	1	01/10/2024 14:08	WG2204507
Naphthalene	ND		5.00	1	01/10/2024 14:08	WG2204507
n-Propylbenzene	ND		1.00	1	01/10/2024 14:08	WG2204507
Styrene	ND		1.00	1	01/10/2024 14:08	WG2204507
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/10/2024 14:08	WG2204507
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/10/2024 14:08	WG2204507
Tetrachloroethene	ND		1.00	1	01/10/2024 14:08	WG2204507
Toluene	ND		1.00	1	01/10/2024 14:08	WG2204507
1,2,3-Trichlorobenzene	ND		1.00	1	01/10/2024 14:08	WG2204507
1,2,4-Trichlorobenzene	ND		1.00	1	01/10/2024 14:08	WG2204507
1,1,1-Trichloroethane	ND		1.00	1	01/10/2024 14:08	WG2204507

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	01/10/2024 14:08	WG2204507
Trichloroethene	ND		1.00	1	01/10/2024 14:08	WG2204507
Trichlorofluoromethane	ND		5.00	1	01/10/2024 14:08	WG2204507
1,2,3-Trichloropropane	ND		2.50	1	01/10/2024 14:08	WG2204507
1,2,4-Trimethylbenzene	ND		1.00	1	01/10/2024 14:08	WG2204507
1,3,5-Trimethylbenzene	ND		1.00	1	01/10/2024 14:08	WG2204507
Vinyl chloride	ND		1.00	1	01/10/2024 14:08	WG2204507
Xylenes, Total	ND		3.00	1	01/10/2024 14:08	WG2204507
(S) Toluene-d8	104		80.0-120		01/10/2024 14:08	WG2204507
(S) 4-Bromofluorobenzene	94.7		77.0-126		01/10/2024 14:08	WG2204507
(S) 1,2-Dichloroethane-d4	100		70.0-130		01/10/2024 14:08	WG2204507

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

Method Blank (MB)

(MB) R4022309-1 01/11/24 08:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00200			

1 Cp

2 Tc

3 Ss

L1694720-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1694720-04 01/11/24 08:00 • (DUP) R4022309-3 01/11/24 08:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	79.6	79.5	1	0.149		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4022309-2 01/11/24 08:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.1	100	90.0-110	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021917-1 01/10/24 16:15

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

1 Cp

2 Tc

3 Ss

L1694721-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1694721-03 01/10/24 16:15 • (DUP) R4021917-3 01/10/24 16:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	%	%		%		%
Total Solids	85.8	86.9	1	1.32		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4021917-2 01/10/24 16:15

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022053-1 01/11/24 07:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1694715-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1694715-03 01/11/24 09:48 • (DUP) R4022053-11 01/11/24 10:07

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

L1694715-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1694715-05 01/11/24 10:19 • (DUP) R4022053-12 01/11/24 10:26

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4022053-2 01/11/24 07:45

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	11.0	110	80.0-120	

L1694631-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694631-04 01/11/24 08:16 • (MS) R4022053-4 01/11/24 08:28 • (MSD) R4022053-5 01/11/24 08:34

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	20.0	ND	11.2	10.2	55.9	50.9	1	75.0-125	J6	J6	9.35	20

L1694631-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694631-06 01/11/24 09:05 • (MS) R4022053-8 01/11/24 09:18 • (MSD) R4022053-9 01/11/24 09:24

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	20.0	ND	9.77	10.9	48.9	54.4	1	75.0-125	J6	J6	10.7	20

L1694631-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1694631-04 01/11/24 08:16 • (MS) R4022053-6 01/11/24 08:53

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Hexavalent Chromium	643	ND	513	79.7	50	75.0-125	

L1694631-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1694631-06 01/11/24 09:05 • (MS) R4022053-10 01/11/24 09:30

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Hexavalent Chromium	654	ND	497	75.9	50	75.0-125	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022213-1 01/11/24 12:33

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1694721-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1694721-01 01/11/24 13:31 • (DUP) R4022213-3 01/11/24 13:50

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	2.03	3.75	1	59.5	P1	20

L1694721-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1694721-08 01/11/24 14:33 • (DUP) R4022213-4 01/11/24 14:39

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4022213-2 01/11/24 12:42

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.1	101	80.0-120	

L1694928-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694928-02 01/11/24 15:10 • (MS) R4022213-5 01/11/24 15:16 • (MSD) R4022213-6 01/11/24 15:23

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	23.4	4.00	28.4	28.4	105	104	1	75.0-125			0.0263	20

L1695059-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695059-07 01/11/24 15:41 • (MS) R4022213-9 01/11/24 15:47 • (MSD) R4022213-10 01/11/24 15:53

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	23.0	2.42	24.8	23.2	97.2	90.2	1	75.0-125			6.69	20

L1694928-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1694928-02 01/11/24 15:10 • (MS) R4022213-7 01/11/24 15:29

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	752	4.00	893	119	50	75.0-125	

L1695059-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1695059-07 01/11/24 15:41 • (MS) R4022213-11 01/11/24 16:00

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	737	2.42	719	97.5	50	75.0-125	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022141-1 01/11/24 10:05

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4022141-2 01/11/24 10:07

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.421	84.1	80.0-120	

4 Cn

5 Sr

L1694517-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694517-01 01/11/24 10:10 • (MS) R4022141-3 01/11/24 10:12 • (MSD) R4022141-4 01/11/24 10:15

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.561	ND	0.529	0.647	94.2	115	1	75.0-125		J3	20.1	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4027469-1 01/29/24 19:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	0.379	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	0.560	U	0.297	5.00
Cobalt	0.0534	U	0.0463	1.00
Copper	U		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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4027469-2 01/29/24 19:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	107	107	80.0-120	
Arsenic	100	104	104	80.0-120	
Barium	100	97.9	97.9	80.0-120	
Beryllium	100	102	102	80.0-120	
Cadmium	100	110	110	80.0-120	
Chromium	100	107	107	80.0-120	
Cobalt	100	108	108	80.0-120	
Copper	100	109	109	80.0-120	
Lead	100	106	106	80.0-120	
Manganese	100	108	108	80.0-120	
Nickel	100	109	109	80.0-120	
Selenium	100	105	105	80.0-120	
Silver	20.0	21.2	106	80.0-120	
Thallium	100	105	105	80.0-120	
Vanadium	100	106	106	80.0-120	
Zinc	100	104	104	80.0-120	

L1694721-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694721-06 01/29/24 20:01 • (MS) R4027469-5 01/29/24 20:11 • (MSD) R4027469-6 01/29/24 20:14

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	122	ND	46.6	49.8	37.9	40.6	5	75.0-125	<u>J6</u>	<u>J6</u>	6.66	20
Arsenic	122	2.85	115	106	92.0	84.3	5	75.0-125			8.58	20
Barium	122	61.3	182	167	98.7	86.9	5	75.0-125			8.24	20
Beryllium	122	ND	114	109	92.8	88.7	5	75.0-125	<u>E</u>	<u>E</u>	4.43	20
Cadmium	122	ND	131	124	107	102	5	75.0-125			5.27	20
Chromium	122	32.4	156	143	101	90.3	5	75.0-125			8.66	20
Cobalt	122	12.0	135	128	101	95.1	5	75.0-125			5.57	20
Copper	122	16.9	147	140	106	101	5	75.0-125			4.77	20
Lead	122	40.8	162	157	99.6	95.2	5	75.0-125			3.33	20
Manganese	122	512	656	550	118	31.7	5	75.0-125		<u>V</u>	17.5	20
Nickel	122	14.5	141	135	104	99.0	5	75.0-125			4.22	20
Selenium	122	ND	110	96.5	89.9	78.7	5	75.0-125			13.3	20
Silver	24.4	ND	25.5	24.0	102	96.3	5	75.0-125			6.08	20
Thallium	122	ND	124	118	102	96.4	5	75.0-125			5.28	20
Vanadium	122	35.2	157	145	100	89.9	5	75.0-125			8.12	20
Zinc	122	41.0	163	159	100	97.0	5	75.0-125			2.27	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4021999-3 01/10/24 10:57

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	0.134	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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4021999-3 01/10/24 10:57

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	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	102			80.0-120
(S) 4-Bromofluorobenzene	96.8			77.0-126
(S) 1,2-Dichloroethane-d4	102			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021999-1 01/10/24 09:51 • (LCSD) R4021999-2 01/10/24 10:13

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Acetone	25.0	25.8	28.4	103	114	19.0-160			9.59	27
Acrolein	25.0	30.0	27.6	120	110	10.0-160			8.33	26
Acrylonitrile	25.0	26.0	25.3	104	101	55.0-149			2.73	20
Benzene	5.00	4.36	4.12	87.2	82.4	70.0-123			5.66	20
Bromobenzene	5.00	4.84	4.52	96.8	90.4	73.0-121			6.84	20
Bromodichloromethane	5.00	4.45	4.23	89.0	84.6	75.0-120			5.07	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021999-1 01/10/24 09:51 • (LCSD) R4021999-2 01/10/24 10:13

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	3.47	4.04	69.4	80.8	68.0-132			15.2	20
Bromomethane	5.00	5.68	5.32	114	106	10.0-160			6.55	25
n-Butylbenzene	5.00	4.97	4.92	99.4	98.4	73.0-125			1.01	20
sec-Butylbenzene	5.00	5.18	4.97	104	99.4	75.0-125			4.14	20
tert-Butylbenzene	5.00	4.94	4.86	98.8	97.2	76.0-124			1.63	20
Carbon tetrachloride	5.00	4.50	4.17	90.0	83.4	68.0-126			7.61	20
Chlorobenzene	5.00	4.38	4.43	87.6	88.6	80.0-121			1.14	20
Chlorodibromomethane	5.00	4.38	4.31	87.6	86.2	77.0-125			1.61	20
Chloroethane	5.00	4.78	4.50	95.6	90.0	47.0-150			6.03	20
Chloroform	5.00	4.69	4.33	93.8	86.6	73.0-120			7.98	20
Chloromethane	5.00	1.62	2.04	32.4	40.8	41.0-142	J4	J3 J4	23.0	20
2-Chlorotoluene	5.00	5.07	4.75	101	95.0	76.0-123			6.52	20
4-Chlorotoluene	5.00	4.75	4.53	95.0	90.6	75.0-122			4.74	20
1,2-Dibromo-3-Chloropropane	5.00	4.50	5.04	90.0	101	58.0-134			11.3	20
1,2-Dibromoethane	5.00	4.48	4.55	89.6	91.0	80.0-122			1.55	20
Dibromomethane	5.00	4.41	4.44	88.2	88.8	80.0-120			0.678	20
1,2-Dichlorobenzene	5.00	4.90	4.81	98.0	96.2	79.0-121			1.85	20
1,3-Dichlorobenzene	5.00	4.74	4.58	94.8	91.6	79.0-120			3.43	20
1,4-Dichlorobenzene	5.00	4.74	4.60	94.8	92.0	79.0-120			3.00	20
Dichlorodifluoromethane	5.00	4.16	3.86	83.2	77.2	51.0-149			7.48	20
1,1-Dichloroethane	5.00	4.67	4.38	93.4	87.6	70.0-126			6.41	20
1,2-Dichloroethane	5.00	4.94	4.81	98.8	96.2	70.0-128			2.67	20
1,1-Dichloroethene	5.00	4.34	4.16	86.8	83.2	71.0-124			4.24	20
cis-1,2-Dichloroethene	5.00	4.63	4.31	92.6	86.2	73.0-120			7.16	20
trans-1,2-Dichloroethene	5.00	4.22	3.94	84.4	78.8	73.0-120			6.86	20
1,2-Dichloropropane	5.00	4.51	4.37	90.2	87.4	77.0-125			3.15	20
1,1-Dichloropropene	5.00	4.41	4.34	88.2	86.8	74.0-126			1.60	20
1,3-Dichloropropane	5.00	4.76	4.47	95.2	89.4	80.0-120			6.28	20
cis-1,3-Dichloropropene	5.00	4.18	3.77	83.6	75.4	80.0-123		J4	10.3	20
trans-1,3-Dichloropropene	5.00	4.35	4.13	87.0	82.6	78.0-124			5.19	20
2,2-Dichloropropane	5.00	5.89	5.14	118	103	58.0-130			13.6	20
Di-isopropyl ether	5.00	4.90	4.52	98.0	90.4	58.0-138			8.07	20
Ethylbenzene	5.00	4.62	4.53	92.4	90.6	79.0-123			1.97	20
Hexachloro-1,3-butadiene	5.00	5.65	5.39	113	108	54.0-138			4.71	20
Isopropylbenzene	5.00	4.81	4.62	96.2	92.4	76.0-127			4.03	20
p-Isopropyltoluene	5.00	5.19	4.92	104	98.4	76.0-125			5.34	20
2-Butanone (MEK)	25.0	24.6	26.1	98.4	104	44.0-160			5.92	20
Methylene Chloride	5.00	4.24	3.95	84.8	79.0	67.0-120			7.08	20
4-Methyl-2-pentanone (MIBK)	25.0	26.1	25.8	104	103	68.0-142			1.16	20
Methyl tert-butyl ether	5.00	5.03	4.58	101	91.6	68.0-125			9.37	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4021999-1 01/10/24 09:51 • (LCSD) R4021999-2 01/10/24 10:13

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Naphthalene	5.00	4.55	4.70	91.0	94.0	54.0-135			3.24	20
n-Propylbenzene	5.00	4.89	4.60	97.8	92.0	77.0-124			6.11	20
Styrene	5.00	4.49	4.28	89.8	85.6	73.0-130			4.79	20
1,1,1,2-Tetrachloroethane	5.00	5.07	4.88	101	97.6	75.0-125			3.82	20
1,1,2,2-Tetrachloroethane	5.00	4.42	4.21	88.4	84.2	65.0-130			4.87	20
Tetrachloroethene	5.00	4.28	4.04	85.6	80.8	72.0-132			5.77	20
Toluene	5.00	4.54	4.35	90.8	87.0	79.0-120			4.27	20
1,2,3-Trichlorobenzene	5.00	4.98	5.16	99.6	103	50.0-138			3.55	20
1,2,4-Trichlorobenzene	5.00	5.22	5.04	104	101	57.0-137			3.51	20
1,1,1-Trichloroethane	5.00	4.84	4.58	96.8	91.6	73.0-124			5.52	20
1,1,2-Trichloroethane	5.00	4.48	4.27	89.6	85.4	80.0-120			4.80	20
Trichloroethene	5.00	4.75	4.50	95.0	90.0	78.0-124			5.41	20
Trichlorofluoromethane	5.00	5.13	4.75	103	95.0	59.0-147			7.69	20
1,2,3-Trichloropropane	5.00	5.27	4.83	105	96.6	73.0-130			8.71	20
1,2,4-Trimethylbenzene	5.00	4.80	4.43	96.0	88.6	76.0-121			8.02	20
1,3,5-Trimethylbenzene	5.00	4.88	4.63	97.6	92.6	76.0-122			5.26	20
Vinyl chloride	5.00	4.80	4.35	96.0	87.0	67.0-131			9.84	20
Xylenes, Total	15.0	13.7	13.3	91.3	88.7	79.0-123			2.96	20
(S) Toluene-d8				103	104	80.0-120				
(S) 4-Bromofluorobenzene				96.4	94.9	77.0-126				
(S) 1,2-Dichloroethane-d4				99.7	98.9	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022611-3 01/11/24 20:26

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	0.00200	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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022611-3 01/11/24 20:26

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	102			75.0-131
(S) 4-Bromofluorobenzene	108			67.0-138
(S) 1,2-Dichloroethane-d4	82.1			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022611-1 01/11/24 18:50 • (LCSD) R4022611-2 01/11/24 19:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.502	0.491	80.3	78.6	10.0-160			2.22	31
Acrylonitrile	0.625	0.664	0.673	106	108	45.0-153			1.35	22
Benzene	0.125	0.134	0.127	107	102	70.0-123			5.36	20
Bromobenzene	0.125	0.123	0.123	98.4	98.4	73.0-121			0.000	20
Bromodichloromethane	0.125	0.137	0.131	110	105	73.0-121			4.48	20
Bromoform	0.125	0.137	0.138	110	110	64.0-132			0.727	20
Bromomethane	0.125	0.115	0.108	92.0	86.4	56.0-147			6.28	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022611-1 01/11/24 18:50 • (LCSD) R4022611-2 01/11/24 19:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.131	0.142	105	114	68.0-135			8.06	20
sec-Butylbenzene	0.125	0.128	0.132	102	106	74.0-130			3.08	20
tert-Butylbenzene	0.125	0.127	0.131	102	105	75.0-127			3.10	20
Carbon tetrachloride	0.125	0.130	0.132	104	106	66.0-128			1.53	20
Chlorobenzene	0.125	0.136	0.134	109	107	76.0-128			1.48	20
Chlorodibromomethane	0.125	0.132	0.133	106	106	74.0-127			0.755	20
Chloroethane	0.125	0.117	0.117	93.6	93.6	61.0-134			0.000	20
Chloroform	0.125	0.131	0.122	105	97.6	72.0-123			7.11	20
Chloromethane	0.125	0.152	0.112	122	89.6	51.0-138		J3	30.3	20
2-Chlorotoluene	0.125	0.130	0.124	104	99.2	75.0-124			4.72	20
4-Chlorotoluene	0.125	0.123	0.120	98.4	96.0	75.0-124			2.47	20
1,2-Dibromo-3-Chloropropane	0.125	0.101	0.100	80.8	80.0	59.0-130			0.995	20
1,2-Dibromoethane	0.125	0.139	0.135	111	108	74.0-128			2.92	20
Dibromomethane	0.125	0.139	0.127	111	102	75.0-122			9.02	20
1,2-Dichlorobenzene	0.125	0.129	0.126	103	101	76.0-124			2.35	20
1,3-Dichlorobenzene	0.125	0.125	0.123	100	98.4	76.0-125			1.61	20
1,4-Dichlorobenzene	0.125	0.123	0.122	98.4	97.6	77.0-121			0.816	20
Dichlorodifluoromethane	0.125	0.154	0.119	123	95.2	43.0-156		J3	25.6	20
1,1-Dichloroethane	0.125	0.136	0.132	109	106	70.0-127			2.99	20
1,2-Dichloroethane	0.125	0.120	0.112	96.0	89.6	65.0-131			6.90	20
1,1-Dichloroethene	0.125	0.127	0.128	102	102	65.0-131			0.784	20
cis-1,2-Dichloroethene	0.125	0.144	0.136	115	109	73.0-125			5.71	20
trans-1,2-Dichloroethene	0.125	0.141	0.138	113	110	71.0-125			2.15	20
1,2-Dichloropropane	0.125	0.139	0.140	111	112	74.0-125			0.717	20
1,1-Dichloropropene	0.125	0.129	0.134	103	107	73.0-125			3.80	20
1,3-Dichloropropane	0.125	0.135	0.134	108	107	80.0-125			0.743	20
cis-1,3-Dichloropropene	0.125	0.155	0.147	124	118	76.0-127			5.30	20
trans-1,3-Dichloropropene	0.125	0.138	0.131	110	105	73.0-127			5.20	20
2,2-Dichloropropane	0.125	0.142	0.137	114	110	59.0-135			3.58	20
Di-isopropyl ether	0.125	0.136	0.137	109	110	60.0-136			0.733	20
Ethylbenzene	0.125	0.132	0.131	106	105	74.0-126			0.760	20
Hexachloro-1,3-butadiene	0.125	0.126	0.132	101	106	57.0-150			4.65	20
Isopropylbenzene	0.125	0.137	0.139	110	111	72.0-127			1.45	20
p-Isopropyltoluene	0.125	0.131	0.131	105	105	72.0-133			0.000	20
2-Butanone (MEK)	0.625	0.615	0.670	98.4	107	30.0-160			8.56	24
Methylene Chloride	0.125	0.135	0.129	108	103	68.0-123			4.55	20
4-Methyl-2-pentanone (MIBK)	0.625	0.653	0.673	104	108	56.0-143			3.02	20
Methyl tert-butyl ether	0.125	0.132	0.129	106	103	66.0-132			2.30	20
Naphthalene	0.125	0.115	0.119	92.0	95.2	59.0-130			3.42	20
n-Propylbenzene	0.125	0.123	0.124	98.4	99.2	74.0-126			0.810	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022611-1 01/11/24 18:50 • (LCSD) R4022611-2 01/11/24 19:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Styrene	0.125	0.131	0.133	105	106	72.0-127			1.52	20
1,1,1,2-Tetrachloroethane	0.125	0.127	0.127	102	102	74.0-129			0.000	20
1,1,2,2-Tetrachloroethane	0.125	0.125	0.118	100	94.4	68.0-128			5.76	20
Tetrachloroethene	0.125	0.128	0.133	102	106	70.0-136			3.83	20
Toluene	0.125	0.129	0.127	103	102	75.0-121			1.56	20
1,2,3-Trichlorobenzene	0.125	0.102	0.113	81.6	90.4	59.0-139			10.2	20
1,2,4-Trichlorobenzene	0.125	0.110	0.107	88.0	85.6	62.0-137			2.76	20
1,1,1-Trichloroethane	0.125	0.130	0.128	104	102	69.0-126			1.55	20
1,1,2-Trichloroethane	0.125	0.133	0.129	106	103	78.0-123			3.05	20
Trichloroethene	0.125	0.135	0.135	108	108	76.0-126			0.000	20
Trichlorofluoromethane	0.125	0.119	0.118	95.2	94.4	61.0-142			0.844	20
1,2,3-Trichloropropane	0.125	0.123	0.116	98.4	92.8	67.0-129			5.86	20
1,2,4-Trimethylbenzene	0.125	0.127	0.126	102	101	70.0-126			0.791	20
1,3,5-Trimethylbenzene	0.125	0.128	0.127	102	102	73.0-127			0.784	20
Vinyl chloride	0.125	0.141	0.118	113	94.4	63.0-134			17.8	20
Xylenes, Total	0.375	0.402	0.408	107	109	72.0-127			1.48	20
<i>(S) Toluene-d8</i>				99.5	98.8	75.0-131				
<i>(S) 4-Bromofluorobenzene</i>				108	108	67.0-138				
<i>(S) 1,2-Dichloroethane-d4</i>				94.0	86.8	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024250-2 01/11/24 12:09

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4024250-2 01/11/24 12:09

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	61.9			12.0-120
(S) Phenol-d5	56.0			10.0-120
(S) Nitrobenzene-d5	59.5			10.0-122
(S) 2-Fluorobiphenyl	63.4			15.0-120
(S) 2,4,6-Tribromophenol	65.3			10.0-127
(S) p-Terphenyl-d14	71.8			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4024250-1 01/11/24 11:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.458	68.8	38.0-120	
Acenaphthylene	0.666	0.476	71.5	40.0-120	
Anthracene	0.666	0.508	76.3	42.0-120	
Benzidine	1.33	0.291	21.9	10.0-120	
Benzo(a)anthracene	0.666	0.557	83.6	44.0-120	
Benzo(b)fluoranthene	0.666	0.514	77.2	43.0-120	
Benzo(k)fluoranthene	0.666	0.481	72.2	44.0-120	
Benzo(g,h,i)perylene	0.666	0.517	77.6	43.0-120	
Benzo(a)pyrene	0.666	0.518	77.8	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.370	55.6	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.521	78.2	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.431	64.7	23.0-120	
4-Bromophenyl-phenylether	0.666	0.521	78.2	40.0-120	
2-Chloronaphthalene	0.666	0.458	68.8	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4024250-1 01/11/24 11:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.503	75.5	40.0-120	
Chrysene	0.666	0.518	77.8	43.0-120	
Dibenz(a,h)anthracene	0.666	0.526	79.0	44.0-120	
3,3-Dichlorobenzidine	1.33	0.976	73.4	28.0-120	
2,4-Dinitrotoluene	0.666	0.544	81.7	45.0-120	
2,6-Dinitrotoluene	0.666	0.530	79.6	42.0-120	
Fluoranthene	0.666	0.526	79.0	44.0-120	
Fluorene	0.666	0.483	72.5	41.0-120	
Hexachlorobenzene	0.666	0.508	76.3	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.443	66.5	15.0-120	
Hexachlorocyclopentadiene	0.666	0.404	60.7	15.0-120	
Hexachloroethane	0.666	0.404	60.7	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.508	76.3	45.0-120	
Isophorone	0.666	0.369	55.4	23.0-120	
Naphthalene	0.666	0.377	56.6	18.0-120	
Nitrobenzene	0.666	0.370	55.6	17.0-120	
n-Nitrosodimethylamine	0.666	0.352	52.9	10.0-125	
n-Nitrosodiphenylamine	0.666	0.492	73.9	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.423	63.5	26.0-120	
Phenanthrene	0.666	0.480	72.1	42.0-120	
Benzylbutyl phthalate	0.666	0.572	85.9	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.583	87.5	41.0-120	
Di-n-butyl phthalate	0.666	0.536	80.5	43.0-120	
Diethyl phthalate	0.666	0.502	75.4	43.0-120	
Dimethyl phthalate	0.666	0.520	78.1	43.0-120	
Di-n-octyl phthalate	0.666	0.605	90.8	40.0-120	
Pyrene	0.666	0.538	80.8	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.417	62.6	17.0-120	
4-Chloro-3-methylphenol	0.666	0.443	66.5	28.0-120	
2-Chlorophenol	0.666	0.471	70.7	28.0-120	
2,4-Dichlorophenol	0.666	0.440	66.1	25.0-120	
2,4-Dimethylphenol	0.666	0.496	74.5	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.525	78.8	16.0-120	
2,4-Dinitrophenol	0.666	0.456	68.5	10.0-120	
2-Nitrophenol	0.666	0.460	69.1	20.0-120	
4-Nitrophenol	0.666	0.461	69.2	27.0-120	
Pentachlorophenol	0.666	0.490	73.6	29.0-120	
Phenol	0.666	0.425	63.8	28.0-120	
2,4,6-Trichlorophenol	0.666	0.509	76.4	37.0-120	
(S) 2-Fluorophenol			73.3	12.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4024250-1 01/11/24 11:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			65.8	10.0-120	
(S) Nitrobenzene-d5			57.7	10.0-122	
(S) 2-Fluorobiphenyl			73.3	15.0-120	
(S) 2,4,6-Tribromophenol			82.9	10.0-127	
(S) p-Terphenyl-d14			83.5	10.0-120	

L1694719-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694719-06 01/11/24 15:22 • (MS) R4024250-3 01/11/24 15:46 • (MSD) R4024250-4 01/11/24 16:10

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	0.729	ND	0.369	0.392	50.6	53.0	1	18.0-120			6.13	32
Acenaphthylene	0.729	ND	0.377	0.395	51.7	53.5	1	25.0-120			4.89	32
Anthracene	0.729	ND	0.387	0.410	53.0	55.4	1	22.0-120			5.86	29
Benzidine	1.46	ND	ND	ND	13.6	19.2	1	10.0-120			35.6	40
Benzo(a)anthracene	0.729	ND	0.420	0.441	57.6	59.6	1	25.0-120			4.90	29
Benzo(b)fluoranthene	0.729	ND	0.404	0.428	55.5	57.8	1	19.0-122			5.61	31
Benzo(k)fluoranthene	0.729	ND	0.370	0.393	50.8	53.2	1	23.0-120			6.11	30
Benzo(g,h,i)perylene	0.729	ND	0.399	0.413	54.7	55.9	1	10.0-120			3.56	33
Benzo(a)pyrene	0.729	ND	0.395	0.423	54.3	57.2	1	24.0-120			6.78	30
Bis(2-chloroethoxy)methane	0.729	ND	ND	ND	42.2	45.0	1	10.0-120			7.97	34
Bis(2-chloroethyl)ether	0.729	ND	0.414	0.428	56.9	57.8	1	10.0-120			3.17	40
2,2-Oxybis(1-Chloropropane)	0.729	ND	ND	ND	44.8	47.9	1	10.0-120			8.16	40
4-Bromophenyl-phenylether	0.729	ND	0.395	0.421	54.3	56.9	1	27.0-120			6.26	30
2-Chloronaphthalene	0.729	ND	0.360	0.383	49.4	51.8	1	20.0-120			6.28	32
4-Chlorophenyl-phenylether	0.729	ND	0.393	0.428	54.0	57.8	1	24.0-120			8.39	29
Chrysene	0.729	ND	0.398	0.419	54.6	56.6	1	21.0-120			5.17	29
Dibenz(a,h)anthracene	0.729	ND	0.401	0.424	55.0	57.4	1	10.0-120			5.65	32
3,3-Dichlorobenzidine	1.46	ND	0.679	0.773	46.6	52.3	1	10.0-120			13.0	34
2,4-Dinitrotoluene	0.729	ND	0.422	0.455	57.9	61.6	1	30.0-120			7.59	31
2,6-Dinitrotoluene	0.729	ND	0.397	0.434	54.4	58.7	1	25.0-120			9.09	31
Fluoranthene	0.729	ND	0.403	0.431	55.3	58.3	1	18.0-126			6.66	32
Fluorene	0.729	ND	0.381	0.408	52.3	55.1	1	25.0-120			6.76	30
Hexachlorobenzene	0.729	ND	0.391	0.415	53.7	56.2	1	27.0-120			6.06	28
Hexachloro-1,3-butadiene	0.729	ND	ND	0.384	50.2	52.0	1	10.0-120			5.04	38
Hexachlorocyclopentadiene	0.729	ND	ND	ND	38.0	38.9	1	10.0-120			3.94	40
Hexachloroethane	0.729	ND	ND	ND	43.9	44.3	1	10.0-120			2.40	40
Indeno(1,2,3-cd)pyrene	0.729	ND	0.390	0.403	53.5	54.5	1	10.0-120			3.36	32
Isophorone	0.729	ND	ND	ND	41.9	44.1	1	13.0-120			6.68	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1694719-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694719-06 01/11/24 15:22 • (MS) R4024250-3 01/11/24 15:46 • (MSD) R4024250-4 01/11/24 16:10

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	0.729	ND	0.319	0.330	43.8	44.6	1	10.0-120			3.42	35
Nitrobenzene	0.729	ND	ND	ND	41.3	43.8	1	10.0-120			7.46	36
n-Nitrosodimethylamine	0.729	ND	ND	ND	37.5	35.0	1	10.0-127			5.43	40
n-Nitrosodiphenylamine	0.729	ND	ND	0.405	50.2	54.8	1	17.0-120			10.4	29
n-Nitrosodi-n-propylamine	0.729	ND	ND	ND	47.7	48.6	1	10.0-120			3.45	37
Phenanthrene	0.729	ND	0.373	0.399	51.2	53.9	1	17.0-120			6.62	31
Benzylbutyl phthalate	0.729	ND	0.444	0.465	61.0	62.9	1	23.0-120			4.64	30
Bis(2-ethylhexyl)phthalate	0.729	ND	0.445	0.472	61.1	63.8	1	17.0-126			5.81	30
Di-n-butyl phthalate	0.729	ND	0.415	0.444	57.0	60.1	1	30.0-120			6.72	29
Diethyl phthalate	0.729	ND	0.399	0.422	54.7	57.1	1	26.0-120			5.68	28
Dimethyl phthalate	0.729	ND	0.404	0.435	55.5	58.9	1	25.0-120			7.41	29
Di-n-octyl phthalate	0.729	ND	0.468	0.493	64.2	66.7	1	21.0-123			5.32	29
Pyrene	0.729	ND	0.418	0.439	57.3	59.3	1	16.0-121			4.93	32
1,2,4-Trichlorobenzene	0.729	ND	ND	0.371	47.6	50.2	1	12.0-120			6.81	37
4-Chloro-3-methylphenol	0.729	ND	ND	0.391	49.7	52.9	1	15.0-120			7.67	30
2-Chlorophenol	0.729	ND	ND	0.383	50.3	51.8	1	15.0-120			4.44	37
2,4-Dichlorophenol	0.729	ND	0.372	0.394	51.1	53.3	1	20.0-120			5.80	31
2,4-Dimethylphenol	0.729	ND	0.404	0.447	55.5	60.4	1	10.0-120			9.92	33
4,6-Dinitro-2-methylphenol	0.729	ND	0.410	0.448	56.2	60.5	1	10.0-120			8.81	39
2,4-Dinitrophenol	0.729	ND	0.423	0.430	58.1	58.1	1	10.0-121			1.56	40
2-Nitrophenol	0.729	ND	0.374	0.397	51.4	53.6	1	12.0-120			5.76	39
4-Nitrophenol	0.729	ND	ND	0.401	50.3	54.2	1	10.0-137			8.97	32
Pentachlorophenol	0.729	ND	0.421	0.444	57.8	60.1	1	10.0-160			5.39	31
Phenol	0.729	ND	ND	0.385	50.5	52.1	1	12.0-120			4.72	38
2,4,6-Trichlorophenol	0.729	ND	0.417	0.441	57.2	59.6	1	19.0-120			5.70	32
(S) 2-Fluorophenol					49.4	52.0		12.0-120				
(S) Phenol-d5					44.7	46.2		10.0-120				
(S) Nitrobenzene-d5					41.5	44.1		10.0-122				
(S) 2-Fluorobiphenyl					50.0	53.8		15.0-120				
(S) 2,4,6-Tribromophenol					55.6	61.4		10.0-127				
(S) p-Terphenyl-d14					56.7	59.5		10.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

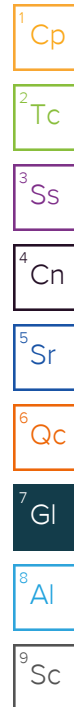
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
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.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
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.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.



GLOSSARY OF TERMS

Qualifier	Description
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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	LA000356
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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@concurrency.com)

Report to:
 Mr. Jerry Paul

Project Description:
 Northgate Park

City/State Collected: **Durham, NC**

Please Circle:
 PT MT CT ET **(E)**

Phone: **919-872-2660**

Client Project #: **23050630**

Lab Project #: **SMERLNC-NORTHGATE**

Collected by (print): **Chelsea Parra**

Site/Facility ID #

Collected by (signature): **CP**

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

Immediately Packed on Ice **N** ___ **Y** ___

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

No. of Cntrs

Metals 20zClr-NoPres

SPLP/TCLP **HOLD** 40zClr-NoPres

SV8270, TS 40zClr-NoPres

V8260 40mlAmb +HCl-Bik

V8260 40mlAmb/MeOH10ml/Syr

SVOCs 8270

18 Metals 6020

Mercury 7471

Hex. Chrom. 7199

Chain of Custody Page **1** of **1**

Pace
 PEOPLE ADVANCING SCIENCE

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/hu/m6/pas-standard-terms.pdf>

SDG # **G235**

Acctnum: **SMERLNC**

Template: **T243915**

Prelogin: **P1044755**

PM: **034 - Craig Cothron**

PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Metals 20zClr-NoPres	SPLP/TCLP HOLD 40zClr-NoPres	SV8270, TS 40zClr-NoPres	V8260 40mlAmb +HCl-Bik	V8260 40mlAmb/MeOH10ml/Syr	SVOCs 8270	18 Metals 6020	Mercury 7471	Hex. Chrom. 7199	Remarks	Sample # (lab only)
825-SB-58	C	SS	0-1	118124	1235	4	X	X	X		X	X	X	X	X		-01
825-SB-59		SS			1240	4	X	X	X		X						-02
825-SB-60		SS			1245	4	X	X	X		X						-03
825-SB-61		SS			1250	4	X	X	X		X						-04
825-SB-62		SS			1255	4	X	X	X		X						-05
825-SB-63		SS			1300	4	X	X	X		X						-06
825-SB-64		SS			1305	4	X	X	X		X	Y	Y	Y	Y		-07
825-SB-128		SS			1050	4	X	X	X		X	Y	Y	Y	Y		-08
825-SB-129		SS			1055	4	X	X	X		X	X	X	X	X		-09
Trip Blank		GW				1	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: **SPLP/TCLP on hold**
825-SB-128 will not be analyzed for SVOCs, metals, pH
Mercury or Hex. Chrom. (825-SB-129 will be analyzed for these parameters)

Temp _____ Flow _____ Other _____

Samples returned via: **UPS** FedEx Courier

Tracking # **7155 0248 2301**

Relinquished by: (Signature) **CP** Date: **118124** Time: **1630**

Received by: (Signature) Trip Blank Received: **1** Yes/No HCl/MeOH TBR

Temp: **5.0+0=5.0** °C Bottles Received: **36**

Relinquished by: (Signature) Date: Time: Received for lab by: (Signature) **Ei Lemon 17** Date: **1-10-24** Time: **930**

Condition: **NGF / OK**

Sample Receipt Checklist

COC Seal Present/Intact:	NP	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N
COC Signed/Accurate:		<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Bottles arrive intact:		<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Correct bottles used:		<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Sufficient volume sent:		<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N
VOA Zero Headspace:		<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Preservation Correct/Checked:		<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N
RAD Screen <0.5 mR/hr:		<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N

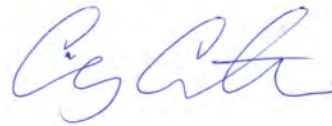
- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

S&ME Inc. - Raleigh NC

Sample Delivery Group: L1694721
Samples Received: 01/09/2024
Project Number: 23050630
Description: Northgate Park

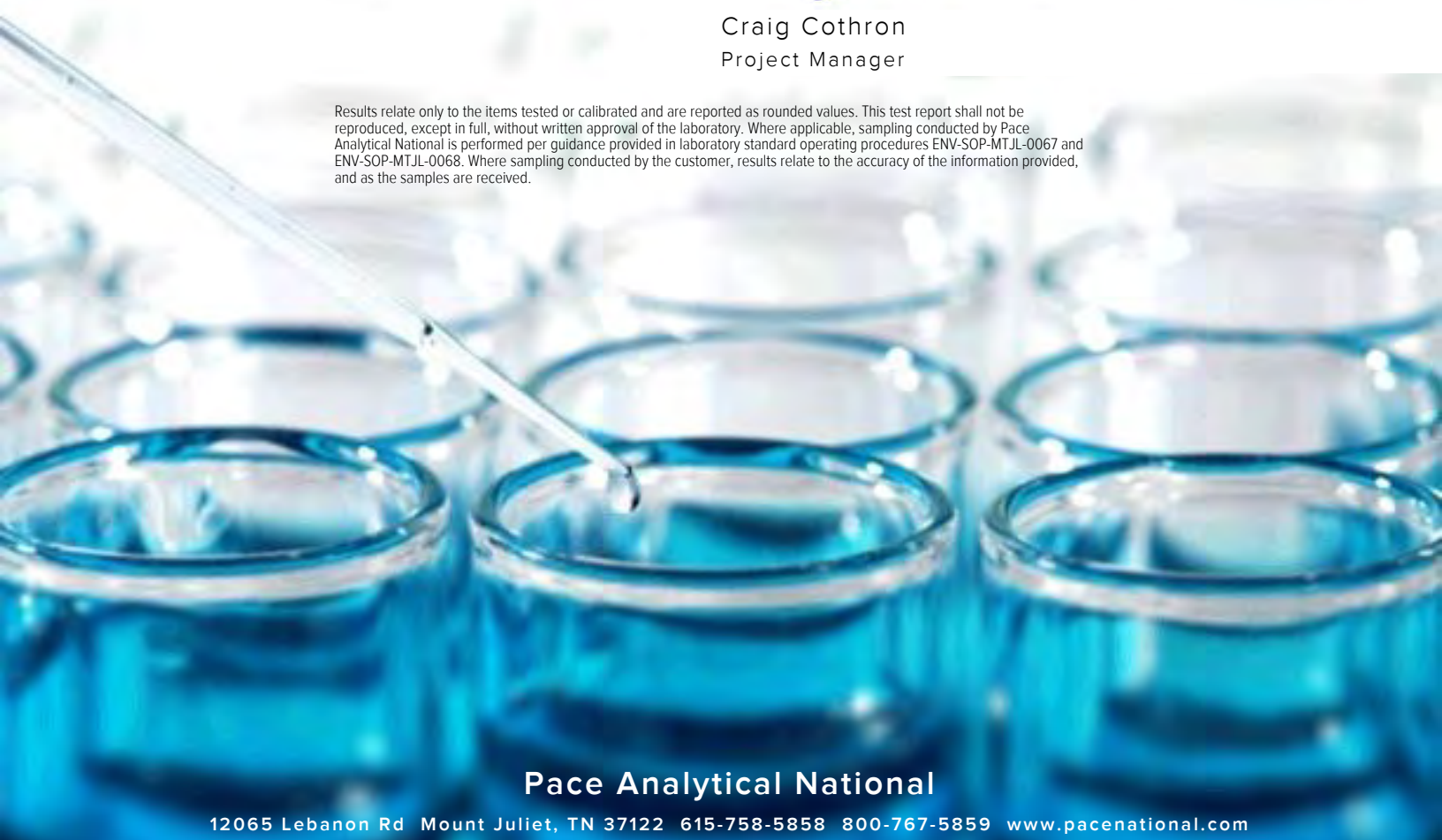
Report To: Mr. Jerry Paul
3201 Spring Forest Road
Raleigh, NC 27616

Entire Report Reviewed By:



Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

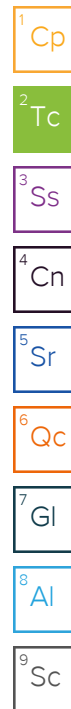


Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

82S-SB-130 L1694721-01 Solid

Collected by Chelsea Parra Collected date/time 01/08/24 10:15 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204687	1	01/10/24 16:01	01/10/24 16:15	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204934	1	01/10/24 23:28	01/11/24 13:31	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204809	1	01/10/24 18:07	01/11/24 11:49	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 20:55	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1.06	01/08/24 10:15	01/12/24 01:44	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205036	1	01/11/24 07:59	01/11/24 18:59	ALM	Mt. Juliet, TN



82S-SB-131 L1694721-02 Solid

Collected by Chelsea Parra Collected date/time 01/08/24 10:20 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204687	1	01/10/24 16:01	01/10/24 16:15	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204934	1	01/10/24 23:28	01/11/24 13:56	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204809	1	01/10/24 18:07	01/11/24 11:51	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 20:58	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1	01/08/24 10:20	01/12/24 02:03	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205036	1	01/11/24 07:59	01/11/24 19:47	ALM	Mt. Juliet, TN

82S-SB-132 L1694721-03 Solid

Collected by Chelsea Parra Collected date/time 01/08/24 10:25 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204687	1	01/10/24 16:01	01/10/24 16:15	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204934	1	01/10/24 23:28	01/11/24 14:02	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204809	1	01/10/24 18:07	01/11/24 11:54	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 21:01	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1	01/08/24 10:25	01/12/24 02:22	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205036	1	01/11/24 07:59	01/11/24 19:23	ALM	Mt. Juliet, TN

82S-SB-133 L1694721-04 Solid

Collected by Chelsea Parra Collected date/time 01/08/24 11:05 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204688	1	01/11/24 07:46	01/11/24 07:54	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204934	1	01/10/24 23:28	01/11/24 14:08	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204809	1	01/10/24 18:07	01/11/24 11:56	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 21:05	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1	01/08/24 11:05	01/12/24 02:41	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205037	1	01/11/24 08:02	01/11/24 22:36	AMS	Mt. Juliet, TN

82S-SB-134 L1694721-05 Solid

Collected by Chelsea Parra Collected date/time 01/08/24 11:10 Received date/time 01/09/24 09:30

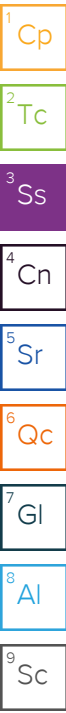
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204688	1	01/11/24 07:46	01/11/24 07:54	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204934	1	01/10/24 23:28	01/11/24 14:14	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204809	1	01/10/24 18:07	01/11/24 11:59	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 21:14	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2205793	1.01	01/08/24 11:10	01/12/24 03:00	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205037	1	01/11/24 08:02	01/11/24 23:01	AMS	Mt. Juliet, TN

SAMPLE SUMMARY

82S-SB-135 L1694721-06 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 11:20
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204688	1	01/11/24 07:46	01/11/24 07:54	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204934	1	01/10/24 23:28	01/11/24 14:21	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204809	1	01/10/24 18:07	01/11/24 11:19	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 20:01	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2206547	1	01/08/24 11:20	01/13/24 03:47	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205037	1	01/11/24 08:02	01/11/24 23:50	AMS	Mt. Juliet, TN



82S-SB-136 L1694721-07 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 11:25
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204688	1	01/11/24 07:46	01/11/24 07:54	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204934	1	01/10/24 23:28	01/11/24 14:27	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204809	1	01/10/24 18:07	01/11/24 12:06	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 21:18	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2206547	1	01/08/24 11:25	01/13/24 04:05	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205037	1	01/11/24 08:02	01/11/24 23:25	AMS	Mt. Juliet, TN

82S-SB-137 L1694721-08 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 10:30
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204688	1	01/11/24 07:46	01/11/24 07:54	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204934	1	01/10/24 23:28	01/11/24 14:33	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204809	1	01/10/24 18:07	01/11/24 12:09	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 21:22	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2206547	1	01/08/24 10:30	01/13/24 04:24	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205037	2	01/11/24 08:02	01/12/24 00:15	AMS	Mt. Juliet, TN

82S-SB-138 L1694721-09 Solid

Collected by Chelsea Parra
 Collected date/time 01/08/24 11:40
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2204688	1	01/11/24 07:46	01/11/24 07:54	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2204934	1	01/10/24 23:28	01/11/24 14:45	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2204809	1	01/10/24 18:07	01/11/24 12:11	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2204929	5	01/11/24 03:27	01/29/24 21:25	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2206547	1	01/08/24 11:40	01/13/24 04:44	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2205037	20	01/11/24 08:02	01/18/24 19:44	ALM	Mt. Juliet, TN

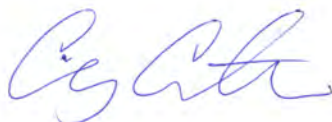
TRIP BLANK L1694721-10 GW

Collected by Chelsea Parra
 Collected date/time 01/08/24 00:00
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2204956	1	01/11/24 00:21	01/11/24 00:21	JCP	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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.0		1	01/10/2024 16:15	WG2204687

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	2.03	P1	1.18	1	01/11/2024 13:31	WG2204934

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0471	1	01/11/2024 11:49	WG2204809

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.53	5	01/29/2024 20:55	WG2204929
Arsenic	1.19		1.18	5	01/29/2024 20:55	WG2204929
Barium	50.3		2.94	5	01/29/2024 20:55	WG2204929
Beryllium	ND		2.94	5	01/29/2024 20:55	WG2204929
Cadmium	ND		1.18	5	01/29/2024 20:55	WG2204929
Chromium	25.8		5.88	5	01/29/2024 20:55	WG2204929
Cobalt	11.7		1.18	5	01/29/2024 20:55	WG2204929
Copper	14.2		5.88	5	01/29/2024 20:55	WG2204929
Lead	23.3		2.35	5	01/29/2024 20:55	WG2204929
Manganese	461		2.94	5	01/29/2024 20:55	WG2204929
Nickel	12.5		2.94	5	01/29/2024 20:55	WG2204929
Selenium	ND		2.94	5	01/29/2024 20:55	WG2204929
Silver	ND		0.588	5	01/29/2024 20:55	WG2204929
Thallium	ND		2.35	5	01/29/2024 20:55	WG2204929
Vanadium	25.3		2.94	5	01/29/2024 20:55	WG2204929
Zinc	29.5		29.4	5	01/29/2024 20:55	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0712	1.06	01/12/2024 01:44	WG2205793
Acrylonitrile	ND		0.0179	1.06	01/12/2024 01:44	WG2205793
Benzene	ND		0.00142	1.06	01/12/2024 01:44	WG2205793
Bromobenzene	ND		0.0179	1.06	01/12/2024 01:44	WG2205793
Bromodichloromethane	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
Bromoform	ND		0.0356	1.06	01/12/2024 01:44	WG2205793
Bromomethane	ND		0.0179	1.06	01/12/2024 01:44	WG2205793
n-Butylbenzene	ND		0.0179	1.06	01/12/2024 01:44	WG2205793
sec-Butylbenzene	ND		0.0179	1.06	01/12/2024 01:44	WG2205793
tert-Butylbenzene	ND		0.00712	1.06	01/12/2024 01:44	WG2205793
Carbon tetrachloride	ND		0.00712	1.06	01/12/2024 01:44	WG2205793
Chlorobenzene	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
Chlorodibromomethane	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
Chloroethane	ND		0.00712	1.06	01/12/2024 01:44	WG2205793
Chloroform	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
Chloromethane	ND	J3	0.0179	1.06	01/12/2024 01:44	WG2205793
2-Chlorotoluene	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
4-Chlorotoluene	ND		0.00712	1.06	01/12/2024 01:44	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0356	1.06	01/12/2024 01:44	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
Dibromomethane	ND		0.00712	1.06	01/12/2024 01:44	WG2205793
1,2-Dichlorobenzene	ND		0.00712	1.06	01/12/2024 01:44	WG2205793
1,3-Dichlorobenzene	ND		0.00712	1.06	01/12/2024 01:44	WG2205793
1,4-Dichlorobenzene	ND		0.00712	1.06	01/12/2024 01:44	WG2205793
Dichlorodifluoromethane	ND	J3	0.00712	1.06	01/12/2024 01:44	WG2205793
1,1-Dichloroethane	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
1,2-Dichloroethane	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
1,1-Dichloroethene	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
cis-1,2-Dichloroethene	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
trans-1,2-Dichloroethene	ND		0.00712	1.06	01/12/2024 01:44	WG2205793
1,2-Dichloropropane	ND		0.00712	1.06	01/12/2024 01:44	WG2205793
1,1-Dichloropropene	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
1,3-Dichloropropane	ND		0.00712	1.06	01/12/2024 01:44	WG2205793
cis-1,3-Dichloropropene	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
trans-1,3-Dichloropropene	ND		0.00712	1.06	01/12/2024 01:44	WG2205793
2,2-Dichloropropane	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
Di-isopropyl ether	ND		0.00142	1.06	01/12/2024 01:44	WG2205793
Ethylbenzene	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
Hexachloro-1,3-butadiene	ND		0.0356	1.06	01/12/2024 01:44	WG2205793
Isopropylbenzene	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
p-Isopropyltoluene	ND		0.00712	1.06	01/12/2024 01:44	WG2205793
2-Butanone (MEK)	ND		0.142	1.06	01/12/2024 01:44	WG2205793
Methylene Chloride	ND		0.0356	1.06	01/12/2024 01:44	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0356	1.06	01/12/2024 01:44	WG2205793
Methyl tert-butyl ether	ND		0.00142	1.06	01/12/2024 01:44	WG2205793
Naphthalene	ND		0.0179	1.06	01/12/2024 01:44	WG2205793
n-Propylbenzene	ND		0.00712	1.06	01/12/2024 01:44	WG2205793
Styrene	ND		0.0179	1.06	01/12/2024 01:44	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
Tetrachloroethene	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
Toluene	ND		0.00712	1.06	01/12/2024 01:44	WG2205793
1,2,3-Trichlorobenzene	ND		0.0179	1.06	01/12/2024 01:44	WG2205793
1,2,4-Trichlorobenzene	ND		0.0179	1.06	01/12/2024 01:44	WG2205793
1,1,1-Trichloroethane	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
1,1,2-Trichloroethane	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
Trichloroethene	ND		0.00142	1.06	01/12/2024 01:44	WG2205793
Trichlorofluoromethane	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
1,2,3-Trichloropropane	ND		0.0179	1.06	01/12/2024 01:44	WG2205793
1,2,4-Trimethylbenzene	ND		0.00712	1.06	01/12/2024 01:44	WG2205793
1,3,5-Trimethylbenzene	ND		0.00712	1.06	01/12/2024 01:44	WG2205793
Vinyl chloride	ND		0.00356	1.06	01/12/2024 01:44	WG2205793
Xylenes, Total	ND		0.00925	1.06	01/12/2024 01:44	WG2205793
(S) Toluene-d8	103		75.0-131		01/12/2024 01:44	WG2205793
(S) 4-Bromofluorobenzene	86.0		67.0-138		01/12/2024 01:44	WG2205793
(S) 1,2-Dichloroethane-d4	80.4		70.0-130		01/12/2024 01:44	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0392	1	01/11/2024 18:59	WG2205036
Acenaphthylene	ND		0.0392	1	01/11/2024 18:59	WG2205036
Anthracene	0.0911		0.0392	1	01/11/2024 18:59	WG2205036
Benzidine	ND		1.96	1	01/11/2024 18:59	WG2205036
Benzo(a)anthracene	0.344		0.0392	1	01/11/2024 18:59	WG2205036

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.420		0.0392	1	01/11/2024 18:59	WG2205036
Benzo(k)fluoranthene	0.135		0.0392	1	01/11/2024 18:59	WG2205036
Benzo(g,h,i)perylene	0.191		0.0392	1	01/11/2024 18:59	WG2205036
Benzo(a)pyrene	0.321		0.0392	1	01/11/2024 18:59	WG2205036
Bis(2-chloroethoxy)methane	ND		0.392	1	01/11/2024 18:59	WG2205036
Bis(2-chloroethyl)ether	ND		0.392	1	01/11/2024 18:59	WG2205036
2,2-Oxybis(1-Chloropropane)	ND		0.392	1	01/11/2024 18:59	WG2205036
4-Bromophenyl-phenylether	ND		0.392	1	01/11/2024 18:59	WG2205036
2-Chloronaphthalene	ND		0.0392	1	01/11/2024 18:59	WG2205036
4-Chlorophenyl-phenylether	ND		0.392	1	01/11/2024 18:59	WG2205036
Chrysene	0.365		0.0392	1	01/11/2024 18:59	WG2205036
Dibenz(a,h)anthracene	0.0513		0.0392	1	01/11/2024 18:59	WG2205036
3,3-Dichlorobenzidine	ND		0.392	1	01/11/2024 18:59	WG2205036
2,4-Dinitrotoluene	ND		0.392	1	01/11/2024 18:59	WG2205036
2,6-Dinitrotoluene	ND		0.392	1	01/11/2024 18:59	WG2205036
Fluoranthene	0.724		0.0392	1	01/11/2024 18:59	WG2205036
Fluorene	ND		0.0392	1	01/11/2024 18:59	WG2205036
Hexachlorobenzene	ND		0.392	1	01/11/2024 18:59	WG2205036
Hexachloro-1,3-butadiene	ND		0.392	1	01/11/2024 18:59	WG2205036
Hexachlorocyclopentadiene	ND		0.392	1	01/11/2024 18:59	WG2205036
Hexachloroethane	ND		0.392	1	01/11/2024 18:59	WG2205036
Indeno(1,2,3-cd)pyrene	0.208		0.0392	1	01/11/2024 18:59	WG2205036
Isophorone	ND		0.392	1	01/11/2024 18:59	WG2205036
Naphthalene	ND		0.0392	1	01/11/2024 18:59	WG2205036
Nitrobenzene	ND		0.392	1	01/11/2024 18:59	WG2205036
n-Nitrosodimethylamine	ND		0.392	1	01/11/2024 18:59	WG2205036
n-Nitrosodiphenylamine	ND		0.392	1	01/11/2024 18:59	WG2205036
n-Nitrosodi-n-propylamine	ND		0.392	1	01/11/2024 18:59	WG2205036
Phenanthrene	0.468		0.0392	1	01/11/2024 18:59	WG2205036
Benzylbutyl phthalate	ND		0.392	1	01/11/2024 18:59	WG2205036
Bis(2-ethylhexyl)phthalate	ND		0.392	1	01/11/2024 18:59	WG2205036
Di-n-butyl phthalate	ND		0.392	1	01/11/2024 18:59	WG2205036
Diethyl phthalate	ND		0.392	1	01/11/2024 18:59	WG2205036
Dimethyl phthalate	ND		0.392	1	01/11/2024 18:59	WG2205036
Di-n-octyl phthalate	ND		0.392	1	01/11/2024 18:59	WG2205036
Pyrene	0.677		0.0392	1	01/11/2024 18:59	WG2205036
1,2,4-Trichlorobenzene	ND		0.392	1	01/11/2024 18:59	WG2205036
4-Chloro-3-methylphenol	ND		0.392	1	01/11/2024 18:59	WG2205036
2-Chlorophenol	ND		0.392	1	01/11/2024 18:59	WG2205036
2,4-Dichlorophenol	ND		0.392	1	01/11/2024 18:59	WG2205036
2,4-Dimethylphenol	ND		0.392	1	01/11/2024 18:59	WG2205036
4,6-Dinitro-2-methylphenol	ND		0.392	1	01/11/2024 18:59	WG2205036
2,4-Dinitrophenol	ND		0.392	1	01/11/2024 18:59	WG2205036
2-Nitrophenol	ND		0.392	1	01/11/2024 18:59	WG2205036
4-Nitrophenol	ND		0.392	1	01/11/2024 18:59	WG2205036
Pentachlorophenol	ND		0.392	1	01/11/2024 18:59	WG2205036
Phenol	ND		0.392	1	01/11/2024 18:59	WG2205036
2,4,6-Trichlorophenol	ND		0.392	1	01/11/2024 18:59	WG2205036
(S) 2-Fluorophenol	56.3		12.0-120		01/11/2024 18:59	WG2205036
(S) Phenol-d5	52.0		10.0-120		01/11/2024 18:59	WG2205036
(S) Nitrobenzene-d5	54.1		10.0-122		01/11/2024 18:59	WG2205036
(S) 2-Fluorobiphenyl	58.4		15.0-120		01/11/2024 18:59	WG2205036
(S) 2,4,6-Tribromophenol	66.7		10.0-127		01/11/2024 18:59	WG2205036
(S) p-Terphenyl-d14	65.1		10.0-120		01/11/2024 18:59	WG2205036

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.0		1	01/10/2024 16:15	WG2204687

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.27	1	01/11/2024 13:56	WG2204934

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0576		0.0507	1	01/11/2024 11:51	WG2204809

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.80	5	01/29/2024 20:58	WG2204929
Arsenic	2.98		1.27	5	01/29/2024 20:58	WG2204929
Barium	80.3		3.17	5	01/29/2024 20:58	WG2204929
Beryllium	ND		3.17	5	01/29/2024 20:58	WG2204929
Cadmium	ND		1.27	5	01/29/2024 20:58	WG2204929
Chromium	32.2		6.33	5	01/29/2024 20:58	WG2204929
Cobalt	13.2		1.27	5	01/29/2024 20:58	WG2204929
Copper	19.7		6.33	5	01/29/2024 20:58	WG2204929
Lead	47.4		2.53	5	01/29/2024 20:58	WG2204929
Manganese	533		3.17	5	01/29/2024 20:58	WG2204929
Nickel	20.0		3.17	5	01/29/2024 20:58	WG2204929
Selenium	ND		3.17	5	01/29/2024 20:58	WG2204929
Silver	1.56		0.633	5	01/29/2024 20:58	WG2204929
Thallium	ND		2.53	5	01/29/2024 20:58	WG2204929
Vanadium	39.5		3.17	5	01/29/2024 20:58	WG2204929
Zinc	57.0		31.7	5	01/29/2024 20:58	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0805	1	01/12/2024 02:03	WG2205793
Acrylonitrile	ND		0.0201	1	01/12/2024 02:03	WG2205793
Benzene	ND		0.00161	1	01/12/2024 02:03	WG2205793
Bromobenzene	ND		0.0201	1	01/12/2024 02:03	WG2205793
Bromodichloromethane	ND		0.00402	1	01/12/2024 02:03	WG2205793
Bromoform	ND		0.0402	1	01/12/2024 02:03	WG2205793
Bromomethane	ND		0.0201	1	01/12/2024 02:03	WG2205793
n-Butylbenzene	ND		0.0201	1	01/12/2024 02:03	WG2205793
sec-Butylbenzene	ND		0.0201	1	01/12/2024 02:03	WG2205793
tert-Butylbenzene	ND		0.00805	1	01/12/2024 02:03	WG2205793
Carbon tetrachloride	ND		0.00805	1	01/12/2024 02:03	WG2205793
Chlorobenzene	ND		0.00402	1	01/12/2024 02:03	WG2205793
Chlorodibromomethane	ND		0.00402	1	01/12/2024 02:03	WG2205793
Chloroethane	ND		0.00805	1	01/12/2024 02:03	WG2205793
Chloroform	ND		0.00402	1	01/12/2024 02:03	WG2205793
Chloromethane	ND	J3	0.0201	1	01/12/2024 02:03	WG2205793
2-Chlorotoluene	ND		0.00402	1	01/12/2024 02:03	WG2205793
4-Chlorotoluene	ND		0.00805	1	01/12/2024 02:03	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0402	1	01/12/2024 02:03	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00402	1	01/12/2024 02:03	WG2205793
Dibromomethane	ND		0.00805	1	01/12/2024 02:03	WG2205793
1,2-Dichlorobenzene	ND		0.00805	1	01/12/2024 02:03	WG2205793
1,3-Dichlorobenzene	ND		0.00805	1	01/12/2024 02:03	WG2205793
1,4-Dichlorobenzene	ND		0.00805	1	01/12/2024 02:03	WG2205793
Dichlorodifluoromethane	ND	J3	0.00805	1	01/12/2024 02:03	WG2205793
1,1-Dichloroethane	ND		0.00402	1	01/12/2024 02:03	WG2205793
1,2-Dichloroethane	ND		0.00402	1	01/12/2024 02:03	WG2205793
1,1-Dichloroethene	ND		0.00402	1	01/12/2024 02:03	WG2205793
cis-1,2-Dichloroethene	ND		0.00402	1	01/12/2024 02:03	WG2205793
trans-1,2-Dichloroethene	ND		0.00805	1	01/12/2024 02:03	WG2205793
1,2-Dichloropropane	ND		0.00805	1	01/12/2024 02:03	WG2205793
1,1-Dichloropropene	ND		0.00402	1	01/12/2024 02:03	WG2205793
1,3-Dichloropropane	ND		0.00805	1	01/12/2024 02:03	WG2205793
cis-1,3-Dichloropropene	ND		0.00402	1	01/12/2024 02:03	WG2205793
trans-1,3-Dichloropropene	ND		0.00805	1	01/12/2024 02:03	WG2205793
2,2-Dichloropropane	ND		0.00402	1	01/12/2024 02:03	WG2205793
Di-isopropyl ether	ND		0.00161	1	01/12/2024 02:03	WG2205793
Ethylbenzene	ND		0.00402	1	01/12/2024 02:03	WG2205793
Hexachloro-1,3-butadiene	ND		0.0402	1	01/12/2024 02:03	WG2205793
Isopropylbenzene	ND		0.00402	1	01/12/2024 02:03	WG2205793
p-Isopropyltoluene	ND		0.00805	1	01/12/2024 02:03	WG2205793
2-Butanone (MEK)	ND		0.161	1	01/12/2024 02:03	WG2205793
Methylene Chloride	ND		0.0402	1	01/12/2024 02:03	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0402	1	01/12/2024 02:03	WG2205793
Methyl tert-butyl ether	ND		0.00161	1	01/12/2024 02:03	WG2205793
Naphthalene	ND		0.0201	1	01/12/2024 02:03	WG2205793
n-Propylbenzene	ND		0.00805	1	01/12/2024 02:03	WG2205793
Styrene	ND		0.0201	1	01/12/2024 02:03	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00402	1	01/12/2024 02:03	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00402	1	01/12/2024 02:03	WG2205793
Tetrachloroethene	ND		0.00402	1	01/12/2024 02:03	WG2205793
Toluene	ND		0.00805	1	01/12/2024 02:03	WG2205793
1,2,3-Trichlorobenzene	ND		0.0201	1	01/12/2024 02:03	WG2205793
1,2,4-Trichlorobenzene	ND		0.0201	1	01/12/2024 02:03	WG2205793
1,1,1-Trichloroethane	ND		0.00402	1	01/12/2024 02:03	WG2205793
1,1,2-Trichloroethane	ND		0.00402	1	01/12/2024 02:03	WG2205793
Trichloroethene	ND		0.00161	1	01/12/2024 02:03	WG2205793
Trichlorofluoromethane	ND		0.00402	1	01/12/2024 02:03	WG2205793
1,2,3-Trichloropropane	ND		0.0201	1	01/12/2024 02:03	WG2205793
1,2,4-Trimethylbenzene	ND		0.00805	1	01/12/2024 02:03	WG2205793
1,3,5-Trimethylbenzene	ND		0.00805	1	01/12/2024 02:03	WG2205793
Vinyl chloride	ND		0.00402	1	01/12/2024 02:03	WG2205793
Xylenes, Total	ND		0.0105	1	01/12/2024 02:03	WG2205793
(S) Toluene-d8	99.1		75.0-131		01/12/2024 02:03	WG2205793
(S) 4-Bromofluorobenzene	108		67.0-138		01/12/2024 02:03	WG2205793
(S) 1,2-Dichloroethane-d4	83.2		70.0-130		01/12/2024 02:03	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0422	1	01/11/2024 19:47	WG2205036
Acenaphthylene	ND		0.0422	1	01/11/2024 19:47	WG2205036
Anthracene	0.0779		0.0422	1	01/11/2024 19:47	WG2205036
Benzidine	ND		2.11	1	01/11/2024 19:47	WG2205036
Benzo(a)anthracene	0.399		0.0422	1	01/11/2024 19:47	WG2205036

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.493		0.0422	1	01/11/2024 19:47	WG2205036
Benzo(k)fluoranthene	0.170		0.0422	1	01/11/2024 19:47	WG2205036
Benzo(g,h,i)perylene	0.233		0.0422	1	01/11/2024 19:47	WG2205036
Benzo(a)pyrene	0.384		0.0422	1	01/11/2024 19:47	WG2205036
Bis(2-chloroethoxy)methane	ND		0.422	1	01/11/2024 19:47	WG2205036
Bis(2-chloroethyl)ether	ND		0.422	1	01/11/2024 19:47	WG2205036
2,2-Oxybis(1-Chloropropane)	ND		0.422	1	01/11/2024 19:47	WG2205036
4-Bromophenyl-phenylether	ND		0.422	1	01/11/2024 19:47	WG2205036
2-Chloronaphthalene	ND		0.0422	1	01/11/2024 19:47	WG2205036
4-Chlorophenyl-phenylether	ND		0.422	1	01/11/2024 19:47	WG2205036
Chrysene	0.370		0.0422	1	01/11/2024 19:47	WG2205036
Dibenz(a,h)anthracene	0.0591		0.0422	1	01/11/2024 19:47	WG2205036
3,3-Dichlorobenzidine	ND		0.422	1	01/11/2024 19:47	WG2205036
2,4-Dinitrotoluene	ND		0.422	1	01/11/2024 19:47	WG2205036
2,6-Dinitrotoluene	ND		0.422	1	01/11/2024 19:47	WG2205036
Fluoranthene	0.772		0.0422	1	01/11/2024 19:47	WG2205036
Fluorene	ND		0.0422	1	01/11/2024 19:47	WG2205036
Hexachlorobenzene	ND		0.422	1	01/11/2024 19:47	WG2205036
Hexachloro-1,3-butadiene	ND		0.422	1	01/11/2024 19:47	WG2205036
Hexachlorocyclopentadiene	ND		0.422	1	01/11/2024 19:47	WG2205036
Hexachloroethane	ND		0.422	1	01/11/2024 19:47	WG2205036
Indeno(1,2,3-cd)pyrene	0.255		0.0422	1	01/11/2024 19:47	WG2205036
Isophorone	ND		0.422	1	01/11/2024 19:47	WG2205036
Naphthalene	ND		0.0422	1	01/11/2024 19:47	WG2205036
Nitrobenzene	ND		0.422	1	01/11/2024 19:47	WG2205036
n-Nitrosodimethylamine	ND		0.422	1	01/11/2024 19:47	WG2205036
n-Nitrosodiphenylamine	ND		0.422	1	01/11/2024 19:47	WG2205036
n-Nitrosodi-n-propylamine	ND		0.422	1	01/11/2024 19:47	WG2205036
Phenanthrene	0.438		0.0422	1	01/11/2024 19:47	WG2205036
Benzylbutyl phthalate	ND		0.422	1	01/11/2024 19:47	WG2205036
Bis(2-ethylhexyl)phthalate	ND		0.422	1	01/11/2024 19:47	WG2205036
Di-n-butyl phthalate	ND		0.422	1	01/11/2024 19:47	WG2205036
Diethyl phthalate	ND		0.422	1	01/11/2024 19:47	WG2205036
Dimethyl phthalate	ND		0.422	1	01/11/2024 19:47	WG2205036
Di-n-octyl phthalate	ND		0.422	1	01/11/2024 19:47	WG2205036
Pyrene	0.775		0.0422	1	01/11/2024 19:47	WG2205036
1,2,4-Trichlorobenzene	ND		0.422	1	01/11/2024 19:47	WG2205036
4-Chloro-3-methylphenol	ND		0.422	1	01/11/2024 19:47	WG2205036
2-Chlorophenol	ND		0.422	1	01/11/2024 19:47	WG2205036
2,4-Dichlorophenol	ND		0.422	1	01/11/2024 19:47	WG2205036
2,4-Dimethylphenol	ND		0.422	1	01/11/2024 19:47	WG2205036
4,6-Dinitro-2-methylphenol	ND		0.422	1	01/11/2024 19:47	WG2205036
2,4-Dinitrophenol	ND		0.422	1	01/11/2024 19:47	WG2205036
2-Nitrophenol	ND		0.422	1	01/11/2024 19:47	WG2205036
4-Nitrophenol	ND		0.422	1	01/11/2024 19:47	WG2205036
Pentachlorophenol	ND		0.422	1	01/11/2024 19:47	WG2205036
Phenol	ND		0.422	1	01/11/2024 19:47	WG2205036
2,4,6-Trichlorophenol	ND		0.422	1	01/11/2024 19:47	WG2205036
(S) 2-Fluorophenol	56.8		12.0-120		01/11/2024 19:47	WG2205036
(S) Phenol-d5	52.0		10.0-120		01/11/2024 19:47	WG2205036
(S) Nitrobenzene-d5	55.6		10.0-122		01/11/2024 19:47	WG2205036
(S) 2-Fluorobiphenyl	57.1		15.0-120		01/11/2024 19:47	WG2205036
(S) 2,4,6-Tribromophenol	66.1		10.0-127		01/11/2024 19:47	WG2205036
(S) p-Terphenyl-d14	64.1		10.0-120		01/11/2024 19:47	WG2205036

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.8		1	01/10/2024 16:15	WG2204687

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.71		1.17	1	01/11/2024 14:02	WG2204934

Mercury by Method 7471B

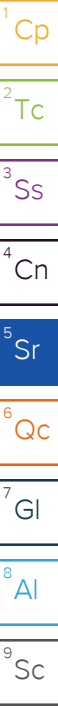
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0466	1	01/11/2024 11:54	WG2204809

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.50	5	01/29/2024 21:01	WG2204929
Arsenic	1.50		1.17	5	01/29/2024 21:01	WG2204929
Barium	34.5		2.91	5	01/29/2024 21:01	WG2204929
Beryllium	ND		2.91	5	01/29/2024 21:01	WG2204929
Cadmium	ND		1.17	5	01/29/2024 21:01	WG2204929
Chromium	18.4		5.83	5	01/29/2024 21:01	WG2204929
Cobalt	7.62		1.17	5	01/29/2024 21:01	WG2204929
Copper	11.9		5.83	5	01/29/2024 21:01	WG2204929
Lead	21.5		2.33	5	01/29/2024 21:01	WG2204929
Manganese	306		2.91	5	01/29/2024 21:01	WG2204929
Nickel	9.00		2.91	5	01/29/2024 21:01	WG2204929
Selenium	ND		2.91	5	01/29/2024 21:01	WG2204929
Silver	ND		0.583	5	01/29/2024 21:01	WG2204929
Thallium	ND		2.33	5	01/29/2024 21:01	WG2204929
Vanadium	19.8		2.91	5	01/29/2024 21:01	WG2204929
Zinc	ND		29.1	5	01/29/2024 21:01	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0669	1	01/12/2024 02:22	WG2205793
Acrylonitrile	ND		0.0167	1	01/12/2024 02:22	WG2205793
Benzene	ND		0.00134	1	01/12/2024 02:22	WG2205793
Bromobenzene	ND		0.0167	1	01/12/2024 02:22	WG2205793
Bromodichloromethane	ND		0.00335	1	01/12/2024 02:22	WG2205793
Bromoform	ND		0.0335	1	01/12/2024 02:22	WG2205793
Bromomethane	ND		0.0167	1	01/12/2024 02:22	WG2205793
n-Butylbenzene	ND		0.0167	1	01/12/2024 02:22	WG2205793
sec-Butylbenzene	ND		0.0167	1	01/12/2024 02:22	WG2205793
tert-Butylbenzene	ND		0.00669	1	01/12/2024 02:22	WG2205793
Carbon tetrachloride	ND		0.00669	1	01/12/2024 02:22	WG2205793
Chlorobenzene	ND		0.00335	1	01/12/2024 02:22	WG2205793
Chlorodibromomethane	ND		0.00335	1	01/12/2024 02:22	WG2205793
Chloroethane	ND		0.00669	1	01/12/2024 02:22	WG2205793
Chloroform	ND		0.00335	1	01/12/2024 02:22	WG2205793
Chloromethane	ND	J3	0.0167	1	01/12/2024 02:22	WG2205793
2-Chlorotoluene	ND		0.00335	1	01/12/2024 02:22	WG2205793
4-Chlorotoluene	ND		0.00669	1	01/12/2024 02:22	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0335	1	01/12/2024 02:22	WG2205793



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00335	1	01/12/2024 02:22	WG2205793
Dibromomethane	ND		0.00669	1	01/12/2024 02:22	WG2205793
1,2-Dichlorobenzene	ND		0.00669	1	01/12/2024 02:22	WG2205793
1,3-Dichlorobenzene	ND		0.00669	1	01/12/2024 02:22	WG2205793
1,4-Dichlorobenzene	ND		0.00669	1	01/12/2024 02:22	WG2205793
Dichlorodifluoromethane	ND	J3	0.00669	1	01/12/2024 02:22	WG2205793
1,1-Dichloroethane	ND		0.00335	1	01/12/2024 02:22	WG2205793
1,2-Dichloroethane	ND		0.00335	1	01/12/2024 02:22	WG2205793
1,1-Dichloroethene	ND		0.00335	1	01/12/2024 02:22	WG2205793
cis-1,2-Dichloroethene	ND		0.00335	1	01/12/2024 02:22	WG2205793
trans-1,2-Dichloroethene	ND		0.00669	1	01/12/2024 02:22	WG2205793
1,2-Dichloropropane	ND		0.00669	1	01/12/2024 02:22	WG2205793
1,1-Dichloropropene	ND		0.00335	1	01/12/2024 02:22	WG2205793
1,3-Dichloropropane	ND		0.00669	1	01/12/2024 02:22	WG2205793
cis-1,3-Dichloropropene	ND		0.00335	1	01/12/2024 02:22	WG2205793
trans-1,3-Dichloropropene	ND		0.00669	1	01/12/2024 02:22	WG2205793
2,2-Dichloropropane	ND		0.00335	1	01/12/2024 02:22	WG2205793
Di-isopropyl ether	ND		0.00134	1	01/12/2024 02:22	WG2205793
Ethylbenzene	ND		0.00335	1	01/12/2024 02:22	WG2205793
Hexachloro-1,3-butadiene	ND		0.0335	1	01/12/2024 02:22	WG2205793
Isopropylbenzene	ND		0.00335	1	01/12/2024 02:22	WG2205793
p-Isopropyltoluene	ND		0.00669	1	01/12/2024 02:22	WG2205793
2-Butanone (MEK)	ND		0.134	1	01/12/2024 02:22	WG2205793
Methylene Chloride	ND		0.0335	1	01/12/2024 02:22	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0335	1	01/12/2024 02:22	WG2205793
Methyl tert-butyl ether	ND		0.00134	1	01/12/2024 02:22	WG2205793
Naphthalene	ND		0.0167	1	01/12/2024 02:22	WG2205793
n-Propylbenzene	ND		0.00669	1	01/12/2024 02:22	WG2205793
Styrene	ND		0.0167	1	01/12/2024 02:22	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00335	1	01/12/2024 02:22	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00335	1	01/12/2024 02:22	WG2205793
Tetrachloroethene	ND		0.00335	1	01/12/2024 02:22	WG2205793
Toluene	ND		0.00669	1	01/12/2024 02:22	WG2205793
1,2,3-Trichlorobenzene	ND		0.0167	1	01/12/2024 02:22	WG2205793
1,2,4-Trichlorobenzene	ND		0.0167	1	01/12/2024 02:22	WG2205793
1,1,1-Trichloroethane	ND		0.00335	1	01/12/2024 02:22	WG2205793
1,1,2-Trichloroethane	ND		0.00335	1	01/12/2024 02:22	WG2205793
Trichloroethene	ND		0.00134	1	01/12/2024 02:22	WG2205793
Trichlorofluoromethane	ND		0.00335	1	01/12/2024 02:22	WG2205793
1,2,3-Trichloropropane	ND		0.0167	1	01/12/2024 02:22	WG2205793
1,2,4-Trimethylbenzene	ND		0.00669	1	01/12/2024 02:22	WG2205793
1,3,5-Trimethylbenzene	ND		0.00669	1	01/12/2024 02:22	WG2205793
Vinyl chloride	ND		0.00335	1	01/12/2024 02:22	WG2205793
Xylenes, Total	ND		0.00870	1	01/12/2024 02:22	WG2205793
(S) Toluene-d8	102		75.0-131		01/12/2024 02:22	WG2205793
(S) 4-Bromofluorobenzene	109		67.0-138		01/12/2024 02:22	WG2205793
(S) 1,2-Dichloroethane-d4	80.8		70.0-130		01/12/2024 02:22	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0388	1	01/11/2024 19:23	WG2205036
Acenaphthylene	ND		0.0388	1	01/11/2024 19:23	WG2205036
Anthracene	0.101		0.0388	1	01/11/2024 19:23	WG2205036
Benzidine	ND		1.95	1	01/11/2024 19:23	WG2205036
Benzo(a)anthracene	0.343		0.0388	1	01/11/2024 19:23	WG2205036

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.416		0.0388	1	01/11/2024 19:23	WG2205036
Benzo(k)fluoranthene	0.139		0.0388	1	01/11/2024 19:23	WG2205036
Benzo(g,h,i)perylene	0.196		0.0388	1	01/11/2024 19:23	WG2205036
Benzo(a)pyrene	0.323		0.0388	1	01/11/2024 19:23	WG2205036
Bis(2-chloroethoxy)methane	ND		0.388	1	01/11/2024 19:23	WG2205036
Bis(2-chloroethyl)ether	ND		0.388	1	01/11/2024 19:23	WG2205036
2,2-Oxybis(1-Chloropropane)	ND		0.388	1	01/11/2024 19:23	WG2205036
4-Bromophenyl-phenylether	ND		0.388	1	01/11/2024 19:23	WG2205036
2-Chloronaphthalene	ND		0.0388	1	01/11/2024 19:23	WG2205036
4-Chlorophenyl-phenylether	ND		0.388	1	01/11/2024 19:23	WG2205036
Chrysene	0.335		0.0388	1	01/11/2024 19:23	WG2205036
Dibenz(a,h)anthracene	0.0493		0.0388	1	01/11/2024 19:23	WG2205036
3,3-Dichlorobenzidine	ND		0.388	1	01/11/2024 19:23	WG2205036
2,4-Dinitrotoluene	ND		0.388	1	01/11/2024 19:23	WG2205036
2,6-Dinitrotoluene	ND		0.388	1	01/11/2024 19:23	WG2205036
Fluoranthene	0.737		0.0388	1	01/11/2024 19:23	WG2205036
Fluorene	ND		0.0388	1	01/11/2024 19:23	WG2205036
Hexachlorobenzene	ND		0.388	1	01/11/2024 19:23	WG2205036
Hexachloro-1,3-butadiene	ND		0.388	1	01/11/2024 19:23	WG2205036
Hexachlorocyclopentadiene	ND		0.388	1	01/11/2024 19:23	WG2205036
Hexachloroethane	ND		0.388	1	01/11/2024 19:23	WG2205036
Indeno(1,2,3-cd)pyrene	0.213		0.0388	1	01/11/2024 19:23	WG2205036
Isophorone	ND		0.388	1	01/11/2024 19:23	WG2205036
Naphthalene	ND		0.0388	1	01/11/2024 19:23	WG2205036
Nitrobenzene	ND		0.388	1	01/11/2024 19:23	WG2205036
n-Nitrosodimethylamine	ND		0.388	1	01/11/2024 19:23	WG2205036
n-Nitrosodiphenylamine	ND		0.388	1	01/11/2024 19:23	WG2205036
n-Nitrosodi-n-propylamine	ND		0.388	1	01/11/2024 19:23	WG2205036
Phenanthrene	0.493		0.0388	1	01/11/2024 19:23	WG2205036
Benzylbutyl phthalate	ND		0.388	1	01/11/2024 19:23	WG2205036
Bis(2-ethylhexyl)phthalate	ND		0.388	1	01/11/2024 19:23	WG2205036
Di-n-butyl phthalate	ND		0.388	1	01/11/2024 19:23	WG2205036
Diethyl phthalate	ND		0.388	1	01/11/2024 19:23	WG2205036
Dimethyl phthalate	ND		0.388	1	01/11/2024 19:23	WG2205036
Di-n-octyl phthalate	ND		0.388	1	01/11/2024 19:23	WG2205036
Pyrene	0.649		0.0388	1	01/11/2024 19:23	WG2205036
1,2,4-Trichlorobenzene	ND		0.388	1	01/11/2024 19:23	WG2205036
4-Chloro-3-methylphenol	ND		0.388	1	01/11/2024 19:23	WG2205036
2-Chlorophenol	ND		0.388	1	01/11/2024 19:23	WG2205036
2,4-Dichlorophenol	ND		0.388	1	01/11/2024 19:23	WG2205036
2,4-Dimethylphenol	ND		0.388	1	01/11/2024 19:23	WG2205036
4,6-Dinitro-2-methylphenol	ND		0.388	1	01/11/2024 19:23	WG2205036
2,4-Dinitrophenol	ND		0.388	1	01/11/2024 19:23	WG2205036
2-Nitrophenol	ND		0.388	1	01/11/2024 19:23	WG2205036
4-Nitrophenol	ND		0.388	1	01/11/2024 19:23	WG2205036
Pentachlorophenol	ND		0.388	1	01/11/2024 19:23	WG2205036
Phenol	ND		0.388	1	01/11/2024 19:23	WG2205036
2,4,6-Trichlorophenol	ND		0.388	1	01/11/2024 19:23	WG2205036
(S) 2-Fluorophenol	60.5		12.0-120		01/11/2024 19:23	WG2205036
(S) Phenol-d5	55.0		10.0-120		01/11/2024 19:23	WG2205036
(S) Nitrobenzene-d5	60.4		10.0-122		01/11/2024 19:23	WG2205036
(S) 2-Fluorobiphenyl	63.1		15.0-120		01/11/2024 19:23	WG2205036
(S) 2,4,6-Tribromophenol	75.5		10.0-127		01/11/2024 19:23	WG2205036
(S) p-Terphenyl-d14	71.6		10.0-120		01/11/2024 19:23	WG2205036

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.9		1	01/11/2024 07:54	WG2204688

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.19	1	01/11/2024 14:08	WG2204934

Mercury by Method 7471B

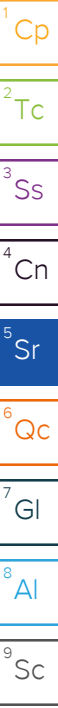
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0477	1	01/11/2024 11:56	WG2204809

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.58	5	01/29/2024 21:05	WG2204929
Arsenic	ND		1.19	5	01/29/2024 21:05	WG2204929
Barium	41.6		2.98	5	01/29/2024 21:05	WG2204929
Beryllium	ND		2.98	5	01/29/2024 21:05	WG2204929
Cadmium	ND		1.19	5	01/29/2024 21:05	WG2204929
Chromium	7.17		5.96	5	01/29/2024 21:05	WG2204929
Cobalt	6.97		1.19	5	01/29/2024 21:05	WG2204929
Copper	ND		5.96	5	01/29/2024 21:05	WG2204929
Lead	29.2		2.38	5	01/29/2024 21:05	WG2204929
Manganese	435		2.98	5	01/29/2024 21:05	WG2204929
Nickel	4.74		2.98	5	01/29/2024 21:05	WG2204929
Selenium	ND		2.98	5	01/29/2024 21:05	WG2204929
Silver	ND		0.596	5	01/29/2024 21:05	WG2204929
Thallium	ND		2.38	5	01/29/2024 21:05	WG2204929
Vanadium	9.21		2.98	5	01/29/2024 21:05	WG2204929
Zinc	ND		29.8	5	01/29/2024 21:05	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0705	1	01/12/2024 02:41	WG2205793
Acrylonitrile	ND		0.0176	1	01/12/2024 02:41	WG2205793
Benzene	ND		0.00141	1	01/12/2024 02:41	WG2205793
Bromobenzene	ND		0.0176	1	01/12/2024 02:41	WG2205793
Bromodichloromethane	ND		0.00353	1	01/12/2024 02:41	WG2205793
Bromoform	ND		0.0353	1	01/12/2024 02:41	WG2205793
Bromomethane	ND		0.0176	1	01/12/2024 02:41	WG2205793
n-Butylbenzene	ND		0.0176	1	01/12/2024 02:41	WG2205793
sec-Butylbenzene	ND		0.0176	1	01/12/2024 02:41	WG2205793
tert-Butylbenzene	ND		0.00705	1	01/12/2024 02:41	WG2205793
Carbon tetrachloride	ND		0.00705	1	01/12/2024 02:41	WG2205793
Chlorobenzene	ND		0.00353	1	01/12/2024 02:41	WG2205793
Chlorodibromomethane	ND		0.00353	1	01/12/2024 02:41	WG2205793
Chloroethane	ND		0.00705	1	01/12/2024 02:41	WG2205793
Chloroform	ND		0.00353	1	01/12/2024 02:41	WG2205793
Chloromethane	ND	J3	0.0176	1	01/12/2024 02:41	WG2205793
2-Chlorotoluene	ND		0.00353	1	01/12/2024 02:41	WG2205793
4-Chlorotoluene	ND		0.00705	1	01/12/2024 02:41	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0353	1	01/12/2024 02:41	WG2205793



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00353	1	01/12/2024 02:41	WG2205793
Dibromomethane	ND		0.00705	1	01/12/2024 02:41	WG2205793
1,2-Dichlorobenzene	ND		0.00705	1	01/12/2024 02:41	WG2205793
1,3-Dichlorobenzene	ND		0.00705	1	01/12/2024 02:41	WG2205793
1,4-Dichlorobenzene	ND		0.00705	1	01/12/2024 02:41	WG2205793
Dichlorodifluoromethane	ND	J3	0.00705	1	01/12/2024 02:41	WG2205793
1,1-Dichloroethane	ND		0.00353	1	01/12/2024 02:41	WG2205793
1,2-Dichloroethane	ND		0.00353	1	01/12/2024 02:41	WG2205793
1,1-Dichloroethene	ND		0.00353	1	01/12/2024 02:41	WG2205793
cis-1,2-Dichloroethene	ND		0.00353	1	01/12/2024 02:41	WG2205793
trans-1,2-Dichloroethene	ND		0.00705	1	01/12/2024 02:41	WG2205793
1,2-Dichloropropane	ND		0.00705	1	01/12/2024 02:41	WG2205793
1,1-Dichloropropene	ND		0.00353	1	01/12/2024 02:41	WG2205793
1,3-Dichloropropane	ND		0.00705	1	01/12/2024 02:41	WG2205793
cis-1,3-Dichloropropene	ND		0.00353	1	01/12/2024 02:41	WG2205793
trans-1,3-Dichloropropene	ND		0.00705	1	01/12/2024 02:41	WG2205793
2,2-Dichloropropane	ND		0.00353	1	01/12/2024 02:41	WG2205793
Di-isopropyl ether	ND		0.00141	1	01/12/2024 02:41	WG2205793
Ethylbenzene	ND		0.00353	1	01/12/2024 02:41	WG2205793
Hexachloro-1,3-butadiene	ND		0.0353	1	01/12/2024 02:41	WG2205793
Isopropylbenzene	ND		0.00353	1	01/12/2024 02:41	WG2205793
p-Isopropyltoluene	ND		0.00705	1	01/12/2024 02:41	WG2205793
2-Butanone (MEK)	ND		0.141	1	01/12/2024 02:41	WG2205793
Methylene Chloride	ND		0.0353	1	01/12/2024 02:41	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0353	1	01/12/2024 02:41	WG2205793
Methyl tert-butyl ether	ND		0.00141	1	01/12/2024 02:41	WG2205793
Naphthalene	ND		0.0176	1	01/12/2024 02:41	WG2205793
n-Propylbenzene	ND		0.00705	1	01/12/2024 02:41	WG2205793
Styrene	ND		0.0176	1	01/12/2024 02:41	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00353	1	01/12/2024 02:41	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00353	1	01/12/2024 02:41	WG2205793
Tetrachloroethene	ND		0.00353	1	01/12/2024 02:41	WG2205793
Toluene	ND		0.00705	1	01/12/2024 02:41	WG2205793
1,2,3-Trichlorobenzene	ND		0.0176	1	01/12/2024 02:41	WG2205793
1,2,4-Trichlorobenzene	ND		0.0176	1	01/12/2024 02:41	WG2205793
1,1,1-Trichloroethane	ND		0.00353	1	01/12/2024 02:41	WG2205793
1,1,2-Trichloroethane	ND		0.00353	1	01/12/2024 02:41	WG2205793
Trichloroethene	ND		0.00141	1	01/12/2024 02:41	WG2205793
Trichlorofluoromethane	ND		0.00353	1	01/12/2024 02:41	WG2205793
1,2,3-Trichloropropane	ND		0.0176	1	01/12/2024 02:41	WG2205793
1,2,4-Trimethylbenzene	ND		0.00705	1	01/12/2024 02:41	WG2205793
1,3,5-Trimethylbenzene	ND		0.00705	1	01/12/2024 02:41	WG2205793
Vinyl chloride	ND		0.00353	1	01/12/2024 02:41	WG2205793
Xylenes, Total	ND		0.00917	1	01/12/2024 02:41	WG2205793
(S) Toluene-d8	98.5		75.0-131		01/12/2024 02:41	WG2205793
(S) 4-Bromofluorobenzene	110		67.0-138		01/12/2024 02:41	WG2205793
(S) 1,2-Dichloroethane-d4	92.4		70.0-130		01/12/2024 02:41	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0397	1	01/11/2024 22:36	WG2205037
Acenaphthylene	ND		0.0397	1	01/11/2024 22:36	WG2205037
Anthracene	ND		0.0397	1	01/11/2024 22:36	WG2205037
Benzidine	ND		1.99	1	01/11/2024 22:36	WG2205037
Benzo(a)anthracene	ND		0.0397	1	01/11/2024 22:36	WG2205037

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0397	1	01/11/2024 22:36	WG2205037
Benzo(k)fluoranthene	ND		0.0397	1	01/11/2024 22:36	WG2205037
Benzo(g,h,i)perylene	ND		0.0397	1	01/11/2024 22:36	WG2205037
Benzo(a)pyrene	ND		0.0397	1	01/11/2024 22:36	WG2205037
Bis(2-chloroethoxy)methane	ND		0.397	1	01/11/2024 22:36	WG2205037
Bis(2-chloroethyl)ether	ND		0.397	1	01/11/2024 22:36	WG2205037
2,2-Oxybis(1-Chloropropane)	ND		0.397	1	01/11/2024 22:36	WG2205037
4-Bromophenyl-phenylether	ND		0.397	1	01/11/2024 22:36	WG2205037
2-Chloronaphthalene	ND		0.0397	1	01/11/2024 22:36	WG2205037
4-Chlorophenyl-phenylether	ND		0.397	1	01/11/2024 22:36	WG2205037
Chrysene	ND		0.0397	1	01/11/2024 22:36	WG2205037
Dibenz(a,h)anthracene	ND		0.0397	1	01/11/2024 22:36	WG2205037
3,3-Dichlorobenzidine	ND		0.397	1	01/11/2024 22:36	WG2205037
2,4-Dinitrotoluene	ND		0.397	1	01/11/2024 22:36	WG2205037
2,6-Dinitrotoluene	ND		0.397	1	01/11/2024 22:36	WG2205037
Fluoranthene	ND		0.0397	1	01/11/2024 22:36	WG2205037
Fluorene	ND		0.0397	1	01/11/2024 22:36	WG2205037
Hexachlorobenzene	ND		0.397	1	01/11/2024 22:36	WG2205037
Hexachloro-1,3-butadiene	ND		0.397	1	01/11/2024 22:36	WG2205037
Hexachlorocyclopentadiene	ND		0.397	1	01/11/2024 22:36	WG2205037
Hexachloroethane	ND		0.397	1	01/11/2024 22:36	WG2205037
Indeno(1,2,3-cd)pyrene	ND		0.0397	1	01/11/2024 22:36	WG2205037
Isophorone	ND		0.397	1	01/11/2024 22:36	WG2205037
Naphthalene	ND		0.0397	1	01/11/2024 22:36	WG2205037
Nitrobenzene	ND		0.397	1	01/11/2024 22:36	WG2205037
n-Nitrosodimethylamine	ND		0.397	1	01/11/2024 22:36	WG2205037
n-Nitrosodiphenylamine	ND		0.397	1	01/11/2024 22:36	WG2205037
n-Nitrosodi-n-propylamine	ND		0.397	1	01/11/2024 22:36	WG2205037
Phenanthrene	ND		0.0397	1	01/11/2024 22:36	WG2205037
Benzylbutyl phthalate	ND		0.397	1	01/11/2024 22:36	WG2205037
Bis(2-ethylhexyl)phthalate	ND		0.397	1	01/11/2024 22:36	WG2205037
Di-n-butyl phthalate	ND		0.397	1	01/11/2024 22:36	WG2205037
Diethyl phthalate	ND		0.397	1	01/11/2024 22:36	WG2205037
Dimethyl phthalate	ND		0.397	1	01/11/2024 22:36	WG2205037
Di-n-octyl phthalate	ND		0.397	1	01/11/2024 22:36	WG2205037
Pyrene	ND		0.0397	1	01/11/2024 22:36	WG2205037
1,2,4-Trichlorobenzene	ND		0.397	1	01/11/2024 22:36	WG2205037
4-Chloro-3-methylphenol	ND		0.397	1	01/11/2024 22:36	WG2205037
2-Chlorophenol	ND		0.397	1	01/11/2024 22:36	WG2205037
2,4-Dichlorophenol	ND		0.397	1	01/11/2024 22:36	WG2205037
2,4-Dimethylphenol	ND		0.397	1	01/11/2024 22:36	WG2205037
4,6-Dinitro-2-methylphenol	ND		0.397	1	01/11/2024 22:36	WG2205037
2,4-Dinitrophenol	ND		0.397	1	01/11/2024 22:36	WG2205037
2-Nitrophenol	ND		0.397	1	01/11/2024 22:36	WG2205037
4-Nitrophenol	ND		0.397	1	01/11/2024 22:36	WG2205037
Pentachlorophenol	ND		0.397	1	01/11/2024 22:36	WG2205037
Phenol	ND		0.397	1	01/11/2024 22:36	WG2205037
2,4,6-Trichlorophenol	ND		0.397	1	01/11/2024 22:36	WG2205037
(S) 2-Fluorophenol	54.9		12.0-120		01/11/2024 22:36	WG2205037
(S) Phenol-d5	53.8		10.0-120		01/11/2024 22:36	WG2205037
(S) Nitrobenzene-d5	52.5		10.0-122		01/11/2024 22:36	WG2205037
(S) 2-Fluorobiphenyl	53.1		15.0-120		01/11/2024 22:36	WG2205037
(S) 2,4,6-Tribromophenol	50.9		10.0-127		01/11/2024 22:36	WG2205037
(S) p-Terphenyl-d14	59.7		10.0-120		01/11/2024 22:36	WG2205037

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.0		1	01/11/2024 07:54	WG2204688

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	2.53		1.32	1	01/11/2024 14:14	WG2204934

Mercury by Method 7471B

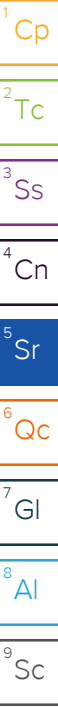
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0526	1	01/11/2024 11:59	WG2204809

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.95	5	01/29/2024 21:14	WG2204929
Arsenic	1.69		1.32	5	01/29/2024 21:14	WG2204929
Barium	45.0		3.29	5	01/29/2024 21:14	WG2204929
Beryllium	ND		3.29	5	01/29/2024 21:14	WG2204929
Cadmium	ND		1.32	5	01/29/2024 21:14	WG2204929
Chromium	30.2		6.58	5	01/29/2024 21:14	WG2204929
Cobalt	9.94		1.32	5	01/29/2024 21:14	WG2204929
Copper	15.3		6.58	5	01/29/2024 21:14	WG2204929
Lead	23.3		2.63	5	01/29/2024 21:14	WG2204929
Manganese	326		3.29	5	01/29/2024 21:14	WG2204929
Nickel	13.0		3.29	5	01/29/2024 21:14	WG2204929
Selenium	ND		3.29	5	01/29/2024 21:14	WG2204929
Silver	ND		0.658	5	01/29/2024 21:14	WG2204929
Thallium	ND		2.63	5	01/29/2024 21:14	WG2204929
Vanadium	29.0		3.29	5	01/29/2024 21:14	WG2204929
Zinc	ND		32.9	5	01/29/2024 21:14	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0822	1.01	01/12/2024 03:00	WG2205793
Acrylonitrile	ND		0.0205	1.01	01/12/2024 03:00	WG2205793
Benzene	ND		0.00164	1.01	01/12/2024 03:00	WG2205793
Bromobenzene	ND		0.0205	1.01	01/12/2024 03:00	WG2205793
Bromodichloromethane	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
Bromoform	ND		0.0412	1.01	01/12/2024 03:00	WG2205793
Bromomethane	ND		0.0205	1.01	01/12/2024 03:00	WG2205793
n-Butylbenzene	ND		0.0205	1.01	01/12/2024 03:00	WG2205793
sec-Butylbenzene	ND		0.0205	1.01	01/12/2024 03:00	WG2205793
tert-Butylbenzene	ND		0.00822	1.01	01/12/2024 03:00	WG2205793
Carbon tetrachloride	ND		0.00822	1.01	01/12/2024 03:00	WG2205793
Chlorobenzene	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
Chlorodibromomethane	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
Chloroethane	ND		0.00822	1.01	01/12/2024 03:00	WG2205793
Chloroform	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
Chloromethane	ND	J3	0.0205	1.01	01/12/2024 03:00	WG2205793
2-Chlorotoluene	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
4-Chlorotoluene	ND		0.00822	1.01	01/12/2024 03:00	WG2205793
1,2-Dibromo-3-Chloropropane	ND		0.0412	1.01	01/12/2024 03:00	WG2205793



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
Dibromomethane	ND		0.00822	1.01	01/12/2024 03:00	WG2205793
1,2-Dichlorobenzene	ND		0.00822	1.01	01/12/2024 03:00	WG2205793
1,3-Dichlorobenzene	ND		0.00822	1.01	01/12/2024 03:00	WG2205793
1,4-Dichlorobenzene	ND		0.00822	1.01	01/12/2024 03:00	WG2205793
Dichlorodifluoromethane	ND	J3	0.00822	1.01	01/12/2024 03:00	WG2205793
1,1-Dichloroethane	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
1,2-Dichloroethane	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
1,1-Dichloroethene	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
cis-1,2-Dichloroethene	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
trans-1,2-Dichloroethene	ND		0.00822	1.01	01/12/2024 03:00	WG2205793
1,2-Dichloropropane	ND		0.00822	1.01	01/12/2024 03:00	WG2205793
1,1-Dichloropropene	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
1,3-Dichloropropane	ND		0.00822	1.01	01/12/2024 03:00	WG2205793
cis-1,3-Dichloropropene	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
trans-1,3-Dichloropropene	ND		0.00822	1.01	01/12/2024 03:00	WG2205793
2,2-Dichloropropane	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
Di-isopropyl ether	ND		0.00164	1.01	01/12/2024 03:00	WG2205793
Ethylbenzene	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
Hexachloro-1,3-butadiene	ND		0.0412	1.01	01/12/2024 03:00	WG2205793
Isopropylbenzene	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
p-Isopropyltoluene	ND		0.00822	1.01	01/12/2024 03:00	WG2205793
2-Butanone (MEK)	ND		0.164	1.01	01/12/2024 03:00	WG2205793
Methylene Chloride	ND		0.0412	1.01	01/12/2024 03:00	WG2205793
4-Methyl-2-pentanone (MIBK)	ND		0.0412	1.01	01/12/2024 03:00	WG2205793
Methyl tert-butyl ether	ND		0.00164	1.01	01/12/2024 03:00	WG2205793
Naphthalene	ND		0.0205	1.01	01/12/2024 03:00	WG2205793
n-Propylbenzene	ND		0.00822	1.01	01/12/2024 03:00	WG2205793
Styrene	ND		0.0205	1.01	01/12/2024 03:00	WG2205793
1,1,1,2-Tetrachloroethane	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
1,1,2,2-Tetrachloroethane	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
Tetrachloroethene	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
Toluene	ND		0.00822	1.01	01/12/2024 03:00	WG2205793
1,2,3-Trichlorobenzene	ND		0.0205	1.01	01/12/2024 03:00	WG2205793
1,2,4-Trichlorobenzene	ND		0.0205	1.01	01/12/2024 03:00	WG2205793
1,1,1-Trichloroethane	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
1,1,2-Trichloroethane	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
Trichloroethene	ND		0.00164	1.01	01/12/2024 03:00	WG2205793
Trichlorofluoromethane	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
1,2,3-Trichloropropane	ND		0.0205	1.01	01/12/2024 03:00	WG2205793
1,2,4-Trimethylbenzene	ND		0.00822	1.01	01/12/2024 03:00	WG2205793
1,3,5-Trimethylbenzene	ND		0.00822	1.01	01/12/2024 03:00	WG2205793
Vinyl chloride	ND		0.00412	1.01	01/12/2024 03:00	WG2205793
Xylenes, Total	ND		0.0107	1.01	01/12/2024 03:00	WG2205793
(S) Toluene-d8	101		75.0-131		01/12/2024 03:00	WG2205793
(S) 4-Bromofluorobenzene	107		67.0-138		01/12/2024 03:00	WG2205793
(S) 1,2-Dichloroethane-d4	88.5		70.0-130		01/12/2024 03:00	WG2205793

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0438	1	01/11/2024 23:01	WG2205037
Acenaphthylene	ND		0.0438	1	01/11/2024 23:01	WG2205037
Anthracene	ND		0.0438	1	01/11/2024 23:01	WG2205037
Benzidine	ND		2.20	1	01/11/2024 23:01	WG2205037
Benzo(a)anthracene	0.0984		0.0438	1	01/11/2024 23:01	WG2205037

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.118		0.0438	1	01/11/2024 23:01	WG2205037
Benzo(k)fluoranthene	0.0456		0.0438	1	01/11/2024 23:01	WG2205037
Benzo(g,h,i)perylene	0.0639		0.0438	1	01/11/2024 23:01	WG2205037
Benzo(a)pyrene	0.0955		0.0438	1	01/11/2024 23:01	WG2205037
Bis(2-chloroethoxy)methane	ND		0.438	1	01/11/2024 23:01	WG2205037
Bis(2-chloroethyl)ether	ND		0.438	1	01/11/2024 23:01	WG2205037
2,2-Oxybis(1-Chloropropane)	ND		0.438	1	01/11/2024 23:01	WG2205037
4-Bromophenyl-phenylether	ND		0.438	1	01/11/2024 23:01	WG2205037
2-Chloronaphthalene	ND		0.0438	1	01/11/2024 23:01	WG2205037
4-Chlorophenyl-phenylether	ND		0.438	1	01/11/2024 23:01	WG2205037
Chrysene	0.0884		0.0438	1	01/11/2024 23:01	WG2205037
Dibenz(a,h)anthracene	ND		0.0438	1	01/11/2024 23:01	WG2205037
3,3-Dichlorobenzidine	ND		0.438	1	01/11/2024 23:01	WG2205037
2,4-Dinitrotoluene	ND		0.438	1	01/11/2024 23:01	WG2205037
2,6-Dinitrotoluene	ND		0.438	1	01/11/2024 23:01	WG2205037
Fluoranthene	0.224		0.0438	1	01/11/2024 23:01	WG2205037
Fluorene	ND		0.0438	1	01/11/2024 23:01	WG2205037
Hexachlorobenzene	ND		0.438	1	01/11/2024 23:01	WG2205037
Hexachloro-1,3-butadiene	ND		0.438	1	01/11/2024 23:01	WG2205037
Hexachlorocyclopentadiene	ND		0.438	1	01/11/2024 23:01	WG2205037
Hexachloroethane	ND		0.438	1	01/11/2024 23:01	WG2205037
Indeno(1,2,3-cd)pyrene	0.0595		0.0438	1	01/11/2024 23:01	WG2205037
Isophorone	ND		0.438	1	01/11/2024 23:01	WG2205037
Naphthalene	ND		0.0438	1	01/11/2024 23:01	WG2205037
Nitrobenzene	ND		0.438	1	01/11/2024 23:01	WG2205037
n-Nitrosodimethylamine	ND		0.438	1	01/11/2024 23:01	WG2205037
n-Nitrosodiphenylamine	ND		0.438	1	01/11/2024 23:01	WG2205037
n-Nitrosodi-n-propylamine	ND		0.438	1	01/11/2024 23:01	WG2205037
Phenanthrene	0.142		0.0438	1	01/11/2024 23:01	WG2205037
Benzylbutyl phthalate	ND		0.438	1	01/11/2024 23:01	WG2205037
Bis(2-ethylhexyl)phthalate	ND		0.438	1	01/11/2024 23:01	WG2205037
Di-n-butyl phthalate	ND		0.438	1	01/11/2024 23:01	WG2205037
Diethyl phthalate	ND		0.438	1	01/11/2024 23:01	WG2205037
Dimethyl phthalate	ND		0.438	1	01/11/2024 23:01	WG2205037
Di-n-octyl phthalate	ND		0.438	1	01/11/2024 23:01	WG2205037
Pyrene	0.205		0.0438	1	01/11/2024 23:01	WG2205037
1,2,4-Trichlorobenzene	ND		0.438	1	01/11/2024 23:01	WG2205037
4-Chloro-3-methylphenol	ND		0.438	1	01/11/2024 23:01	WG2205037
2-Chlorophenol	ND		0.438	1	01/11/2024 23:01	WG2205037
2,4-Dichlorophenol	ND		0.438	1	01/11/2024 23:01	WG2205037
2,4-Dimethylphenol	ND		0.438	1	01/11/2024 23:01	WG2205037
4,6-Dinitro-2-methylphenol	ND		0.438	1	01/11/2024 23:01	WG2205037
2,4-Dinitrophenol	ND		0.438	1	01/11/2024 23:01	WG2205037
2-Nitrophenol	ND		0.438	1	01/11/2024 23:01	WG2205037
4-Nitrophenol	ND		0.438	1	01/11/2024 23:01	WG2205037
Pentachlorophenol	ND		0.438	1	01/11/2024 23:01	WG2205037
Phenol	ND		0.438	1	01/11/2024 23:01	WG2205037
2,4,6-Trichlorophenol	ND		0.438	1	01/11/2024 23:01	WG2205037
(S) 2-Fluorophenol	65.8		12.0-120		01/11/2024 23:01	WG2205037
(S) Phenol-d5	62.7		10.0-120		01/11/2024 23:01	WG2205037
(S) Nitrobenzene-d5	60.7		10.0-122		01/11/2024 23:01	WG2205037
(S) 2-Fluorobiphenyl	58.3		15.0-120		01/11/2024 23:01	WG2205037
(S) 2,4,6-Tribromophenol	56.6		10.0-127		01/11/2024 23:01	WG2205037
(S) p-Terphenyl-d14	65.0		10.0-120		01/11/2024 23:01	WG2205037

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.9		1	01/11/2024 07:54	WG2204688

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	3.10		1.22	1	01/11/2024 14:21	WG2204934

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0488	1	01/11/2024 11:19	WG2204809

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	J6 O1	3.66	5	01/29/2024 20:01	WG2204929
Arsenic	2.85		1.22	5	01/29/2024 20:01	WG2204929
Barium	61.3		3.05	5	01/29/2024 20:01	WG2204929
Beryllium	ND		3.05	5	01/29/2024 20:01	WG2204929
Cadmium	ND	O1	1.22	5	01/29/2024 20:01	WG2204929
Chromium	32.4		6.10	5	01/29/2024 20:01	WG2204929
Cobalt	12.0		1.22	5	01/29/2024 20:01	WG2204929
Copper	16.9		6.10	5	01/29/2024 20:01	WG2204929
Lead	40.8		2.44	5	01/29/2024 20:01	WG2204929
Manganese	512	V	3.05	5	01/29/2024 20:01	WG2204929
Nickel	14.5		3.05	5	01/29/2024 20:01	WG2204929
Selenium	ND		3.05	5	01/29/2024 20:01	WG2204929
Silver	ND		0.610	5	01/29/2024 20:01	WG2204929
Thallium	ND		2.44	5	01/29/2024 20:01	WG2204929
Vanadium	35.2		3.05	5	01/29/2024 20:01	WG2204929
Zinc	41.0		30.5	5	01/29/2024 20:01	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0729	1	01/13/2024 03:47	WG2206547
Acrylonitrile	ND		0.0182	1	01/13/2024 03:47	WG2206547
Benzene	ND		0.00146	1	01/13/2024 03:47	WG2206547
Bromobenzene	ND		0.0182	1	01/13/2024 03:47	WG2206547
Bromodichloromethane	ND		0.00365	1	01/13/2024 03:47	WG2206547
Bromoform	ND		0.0365	1	01/13/2024 03:47	WG2206547
Bromomethane	ND		0.0182	1	01/13/2024 03:47	WG2206547
n-Butylbenzene	ND		0.0182	1	01/13/2024 03:47	WG2206547
sec-Butylbenzene	ND		0.0182	1	01/13/2024 03:47	WG2206547
tert-Butylbenzene	ND		0.00729	1	01/13/2024 03:47	WG2206547
Carbon tetrachloride	ND		0.00729	1	01/13/2024 03:47	WG2206547
Chlorobenzene	ND		0.00365	1	01/13/2024 03:47	WG2206547
Chlorodibromomethane	ND		0.00365	1	01/13/2024 03:47	WG2206547
Chloroethane	ND		0.00729	1	01/13/2024 03:47	WG2206547
Chloroform	ND		0.00365	1	01/13/2024 03:47	WG2206547
Chloromethane	ND	J4	0.0182	1	01/13/2024 03:47	WG2206547
2-Chlorotoluene	ND		0.00365	1	01/13/2024 03:47	WG2206547
4-Chlorotoluene	ND		0.00729	1	01/13/2024 03:47	WG2206547
1,2-Dibromo-3-Chloropropane	ND		0.0365	1	01/13/2024 03:47	WG2206547

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00365	1	01/13/2024 03:47	WG2206547
Dibromomethane	ND		0.00729	1	01/13/2024 03:47	WG2206547
1,2-Dichlorobenzene	ND		0.00729	1	01/13/2024 03:47	WG2206547
1,3-Dichlorobenzene	ND		0.00729	1	01/13/2024 03:47	WG2206547
1,4-Dichlorobenzene	ND		0.00729	1	01/13/2024 03:47	WG2206547
Dichlorodifluoromethane	ND		0.00729	1	01/13/2024 03:47	WG2206547
1,1-Dichloroethane	ND		0.00365	1	01/13/2024 03:47	WG2206547
1,2-Dichloroethane	ND		0.00365	1	01/13/2024 03:47	WG2206547
1,1-Dichloroethene	ND		0.00365	1	01/13/2024 03:47	WG2206547
cis-1,2-Dichloroethene	ND		0.00365	1	01/13/2024 03:47	WG2206547
trans-1,2-Dichloroethene	ND		0.00729	1	01/13/2024 03:47	WG2206547
1,2-Dichloropropane	ND		0.00729	1	01/13/2024 03:47	WG2206547
1,1-Dichloropropene	ND		0.00365	1	01/13/2024 03:47	WG2206547
1,3-Dichloropropane	ND		0.00729	1	01/13/2024 03:47	WG2206547
cis-1,3-Dichloropropene	ND		0.00365	1	01/13/2024 03:47	WG2206547
trans-1,3-Dichloropropene	ND		0.00729	1	01/13/2024 03:47	WG2206547
2,2-Dichloropropane	ND		0.00365	1	01/13/2024 03:47	WG2206547
Di-isopropyl ether	ND		0.00146	1	01/13/2024 03:47	WG2206547
Ethylbenzene	ND		0.00365	1	01/13/2024 03:47	WG2206547
Hexachloro-1,3-butadiene	ND	C3	0.0365	1	01/13/2024 03:47	WG2206547
Isopropylbenzene	ND		0.00365	1	01/13/2024 03:47	WG2206547
p-Isopropyltoluene	ND		0.00729	1	01/13/2024 03:47	WG2206547
2-Butanone (MEK)	ND		0.146	1	01/13/2024 03:47	WG2206547
Methylene Chloride	ND		0.0365	1	01/13/2024 03:47	WG2206547
4-Methyl-2-pentanone (MIBK)	ND		0.0365	1	01/13/2024 03:47	WG2206547
Methyl tert-butyl ether	ND		0.00146	1	01/13/2024 03:47	WG2206547
Naphthalene	ND	C3	0.0182	1	01/13/2024 03:47	WG2206547
n-Propylbenzene	ND		0.00729	1	01/13/2024 03:47	WG2206547
Styrene	ND		0.0182	1	01/13/2024 03:47	WG2206547
1,1,1,2-Tetrachloroethane	ND		0.00365	1	01/13/2024 03:47	WG2206547
1,1,2,2-Tetrachloroethane	ND		0.00365	1	01/13/2024 03:47	WG2206547
Tetrachloroethene	ND		0.00365	1	01/13/2024 03:47	WG2206547
Toluene	ND		0.00729	1	01/13/2024 03:47	WG2206547
1,2,3-Trichlorobenzene	ND	C3 J3	0.0182	1	01/13/2024 03:47	WG2206547
1,2,4-Trichlorobenzene	ND	C3	0.0182	1	01/13/2024 03:47	WG2206547
1,1,1-Trichloroethane	ND		0.00365	1	01/13/2024 03:47	WG2206547
1,1,2-Trichloroethane	ND		0.00365	1	01/13/2024 03:47	WG2206547
Trichloroethene	ND		0.00146	1	01/13/2024 03:47	WG2206547
Trichlorofluoromethane	ND		0.00365	1	01/13/2024 03:47	WG2206547
1,2,3-Trichloropropane	ND		0.0182	1	01/13/2024 03:47	WG2206547
1,2,4-Trimethylbenzene	ND		0.00729	1	01/13/2024 03:47	WG2206547
1,3,5-Trimethylbenzene	ND		0.00729	1	01/13/2024 03:47	WG2206547
Vinyl chloride	ND		0.00365	1	01/13/2024 03:47	WG2206547
Xylenes, Total	ND		0.00948	1	01/13/2024 03:47	WG2206547
(S) Toluene-d8	99.1		75.0-131		01/13/2024 03:47	WG2206547
(S) 4-Bromofluorobenzene	105		67.0-138		01/13/2024 03:47	WG2206547
(S) 1,2-Dichloroethane-d4	104		70.0-130		01/13/2024 03:47	WG2206547

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0407	1	01/11/2024 23:50	WG2205037
Acenaphthylene	ND		0.0407	1	01/11/2024 23:50	WG2205037
Anthracene	ND		0.0407	1	01/11/2024 23:50	WG2205037
Benzidine	ND		2.04	1	01/11/2024 23:50	WG2205037
Benzo(a)anthracene	0.221		0.0407	1	01/11/2024 23:50	WG2205037

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.288		0.0407	1	01/11/2024 23:50	WG2205037
Benzo(k)fluoranthene	0.107		0.0407	1	01/11/2024 23:50	WG2205037
Benzo(g,h,i)perylene	0.150		0.0407	1	01/11/2024 23:50	WG2205037
Benzo(a)pyrene	0.228		0.0407	1	01/11/2024 23:50	WG2205037
Bis(2-chloroethoxy)methane	ND		0.407	1	01/11/2024 23:50	WG2205037
Bis(2-chloroethyl)ether	ND		0.407	1	01/11/2024 23:50	WG2205037
2,2-Oxybis(1-Chloropropane)	ND		0.407	1	01/11/2024 23:50	WG2205037
4-Bromophenyl-phenylether	ND		0.407	1	01/11/2024 23:50	WG2205037
2-Chloronaphthalene	ND		0.0407	1	01/11/2024 23:50	WG2205037
4-Chlorophenyl-phenylether	ND		0.407	1	01/11/2024 23:50	WG2205037
Chrysene	0.255		0.0407	1	01/11/2024 23:50	WG2205037
Dibenz(a,h)anthracene	ND		0.0407	1	01/11/2024 23:50	WG2205037
3,3-Dichlorobenzidine	ND		0.407	1	01/11/2024 23:50	WG2205037
2,4-Dinitrotoluene	ND		0.407	1	01/11/2024 23:50	WG2205037
2,6-Dinitrotoluene	ND		0.407	1	01/11/2024 23:50	WG2205037
Fluoranthene	0.485		0.0407	1	01/11/2024 23:50	WG2205037
Fluorene	ND		0.0407	1	01/11/2024 23:50	WG2205037
Hexachlorobenzene	ND		0.407	1	01/11/2024 23:50	WG2205037
Hexachloro-1,3-butadiene	ND		0.407	1	01/11/2024 23:50	WG2205037
Hexachlorocyclopentadiene	ND		0.407	1	01/11/2024 23:50	WG2205037
Hexachloroethane	ND		0.407	1	01/11/2024 23:50	WG2205037
Indeno(1,2,3-cd)pyrene	0.144		0.0407	1	01/11/2024 23:50	WG2205037
Isophorone	ND		0.407	1	01/11/2024 23:50	WG2205037
Naphthalene	ND		0.0407	1	01/11/2024 23:50	WG2205037
Nitrobenzene	ND		0.407	1	01/11/2024 23:50	WG2205037
n-Nitrosodimethylamine	ND		0.407	1	01/11/2024 23:50	WG2205037
n-Nitrosodiphenylamine	ND		0.407	1	01/11/2024 23:50	WG2205037
n-Nitrosodi-n-propylamine	ND		0.407	1	01/11/2024 23:50	WG2205037
Phenanthrene	0.298		0.0407	1	01/11/2024 23:50	WG2205037
Benzylbutyl phthalate	ND		0.407	1	01/11/2024 23:50	WG2205037
Bis(2-ethylhexyl)phthalate	ND		0.407	1	01/11/2024 23:50	WG2205037
Di-n-butyl phthalate	ND		0.407	1	01/11/2024 23:50	WG2205037
Diethyl phthalate	ND		0.407	1	01/11/2024 23:50	WG2205037
Dimethyl phthalate	ND		0.407	1	01/11/2024 23:50	WG2205037
Di-n-octyl phthalate	ND		0.407	1	01/11/2024 23:50	WG2205037
Pyrene	0.474		0.0407	1	01/11/2024 23:50	WG2205037
1,2,4-Trichlorobenzene	ND		0.407	1	01/11/2024 23:50	WG2205037
4-Chloro-3-methylphenol	ND		0.407	1	01/11/2024 23:50	WG2205037
2-Chlorophenol	ND		0.407	1	01/11/2024 23:50	WG2205037
2,4-Dichlorophenol	ND		0.407	1	01/11/2024 23:50	WG2205037
2,4-Dimethylphenol	ND		0.407	1	01/11/2024 23:50	WG2205037
4,6-Dinitro-2-methylphenol	ND		0.407	1	01/11/2024 23:50	WG2205037
2,4-Dinitrophenol	ND		0.407	1	01/11/2024 23:50	WG2205037
2-Nitrophenol	ND		0.407	1	01/11/2024 23:50	WG2205037
4-Nitrophenol	ND		0.407	1	01/11/2024 23:50	WG2205037
Pentachlorophenol	ND		0.407	1	01/11/2024 23:50	WG2205037
Phenol	ND		0.407	1	01/11/2024 23:50	WG2205037
2,4,6-Trichlorophenol	ND		0.407	1	01/11/2024 23:50	WG2205037
(S) 2-Fluorophenol	67.4		12.0-120		01/11/2024 23:50	WG2205037
(S) Phenol-d5	64.8		10.0-120		01/11/2024 23:50	WG2205037
(S) Nitrobenzene-d5	61.8		10.0-122		01/11/2024 23:50	WG2205037
(S) 2-Fluorobiphenyl	60.9		15.0-120		01/11/2024 23:50	WG2205037
(S) 2,4,6-Tribromophenol	60.2		10.0-127		01/11/2024 23:50	WG2205037
(S) p-Terphenyl-d14	67.6		10.0-120		01/11/2024 23:50	WG2205037

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.0		1	01/11/2024 07:54	WG2204688

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.35	1	01/11/2024 14:27	WG2204934

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0540	1	01/11/2024 12:06	WG2204809

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.05	5	01/29/2024 21:18	WG2204929
Arsenic	1.55		1.35	5	01/29/2024 21:18	WG2204929
Barium	45.3		3.38	5	01/29/2024 21:18	WG2204929
Beryllium	ND		3.38	5	01/29/2024 21:18	WG2204929
Cadmium	ND		1.35	5	01/29/2024 21:18	WG2204929
Chromium	21.8		6.76	5	01/29/2024 21:18	WG2204929
Cobalt	9.16		1.35	5	01/29/2024 21:18	WG2204929
Copper	13.5		6.76	5	01/29/2024 21:18	WG2204929
Lead	24.5		2.70	5	01/29/2024 21:18	WG2204929
Manganese	294		3.38	5	01/29/2024 21:18	WG2204929
Nickel	12.9		3.38	5	01/29/2024 21:18	WG2204929
Selenium	ND		3.38	5	01/29/2024 21:18	WG2204929
Silver	ND		0.676	5	01/29/2024 21:18	WG2204929
Thallium	ND		2.70	5	01/29/2024 21:18	WG2204929
Vanadium	24.2		3.38	5	01/29/2024 21:18	WG2204929
Zinc	ND		33.8	5	01/29/2024 21:18	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0852	1	01/13/2024 04:05	WG2206547
Acrylonitrile	ND		0.0213	1	01/13/2024 04:05	WG2206547
Benzene	ND		0.00170	1	01/13/2024 04:05	WG2206547
Bromobenzene	ND		0.0213	1	01/13/2024 04:05	WG2206547
Bromodichloromethane	ND		0.00426	1	01/13/2024 04:05	WG2206547
Bromoform	ND		0.0426	1	01/13/2024 04:05	WG2206547
Bromomethane	ND		0.0213	1	01/13/2024 04:05	WG2206547
n-Butylbenzene	ND		0.0213	1	01/13/2024 04:05	WG2206547
sec-Butylbenzene	ND		0.0213	1	01/13/2024 04:05	WG2206547
tert-Butylbenzene	ND		0.00852	1	01/13/2024 04:05	WG2206547
Carbon tetrachloride	ND		0.00852	1	01/13/2024 04:05	WG2206547
Chlorobenzene	ND		0.00426	1	01/13/2024 04:05	WG2206547
Chlorodibromomethane	ND		0.00426	1	01/13/2024 04:05	WG2206547
Chloroethane	ND		0.00852	1	01/13/2024 04:05	WG2206547
Chloroform	ND		0.00426	1	01/13/2024 04:05	WG2206547
Chloromethane	ND	J4	0.0213	1	01/13/2024 04:05	WG2206547
2-Chlorotoluene	ND		0.00426	1	01/13/2024 04:05	WG2206547
4-Chlorotoluene	ND		0.00852	1	01/13/2024 04:05	WG2206547
1,2-Dibromo-3-Chloropropane	ND		0.0426	1	01/13/2024 04:05	WG2206547

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00426	1	01/13/2024 04:05	WG2206547
Dibromomethane	ND		0.00852	1	01/13/2024 04:05	WG2206547
1,2-Dichlorobenzene	ND		0.00852	1	01/13/2024 04:05	WG2206547
1,3-Dichlorobenzene	ND		0.00852	1	01/13/2024 04:05	WG2206547
1,4-Dichlorobenzene	ND		0.00852	1	01/13/2024 04:05	WG2206547
Dichlorodifluoromethane	ND		0.00852	1	01/13/2024 04:05	WG2206547
1,1-Dichloroethane	ND		0.00426	1	01/13/2024 04:05	WG2206547
1,2-Dichloroethane	ND		0.00426	1	01/13/2024 04:05	WG2206547
1,1-Dichloroethene	ND		0.00426	1	01/13/2024 04:05	WG2206547
cis-1,2-Dichloroethene	ND		0.00426	1	01/13/2024 04:05	WG2206547
trans-1,2-Dichloroethene	ND		0.00852	1	01/13/2024 04:05	WG2206547
1,2-Dichloropropane	ND		0.00852	1	01/13/2024 04:05	WG2206547
1,1-Dichloropropene	ND		0.00426	1	01/13/2024 04:05	WG2206547
1,3-Dichloropropane	ND		0.00852	1	01/13/2024 04:05	WG2206547
cis-1,3-Dichloropropene	ND		0.00426	1	01/13/2024 04:05	WG2206547
trans-1,3-Dichloropropene	ND		0.00852	1	01/13/2024 04:05	WG2206547
2,2-Dichloropropane	ND		0.00426	1	01/13/2024 04:05	WG2206547
Di-isopropyl ether	ND		0.00170	1	01/13/2024 04:05	WG2206547
Ethylbenzene	ND		0.00426	1	01/13/2024 04:05	WG2206547
Hexachloro-1,3-butadiene	ND	C3	0.0426	1	01/13/2024 04:05	WG2206547
Isopropylbenzene	ND		0.00426	1	01/13/2024 04:05	WG2206547
p-Isopropyltoluene	ND		0.00852	1	01/13/2024 04:05	WG2206547
2-Butanone (MEK)	ND		0.170	1	01/13/2024 04:05	WG2206547
Methylene Chloride	ND		0.0426	1	01/13/2024 04:05	WG2206547
4-Methyl-2-pentanone (MIBK)	ND		0.0426	1	01/13/2024 04:05	WG2206547
Methyl tert-butyl ether	ND		0.00170	1	01/13/2024 04:05	WG2206547
Naphthalene	ND	C3	0.0213	1	01/13/2024 04:05	WG2206547
n-Propylbenzene	ND		0.00852	1	01/13/2024 04:05	WG2206547
Styrene	ND		0.0213	1	01/13/2024 04:05	WG2206547
1,1,1,2-Tetrachloroethane	ND		0.00426	1	01/13/2024 04:05	WG2206547
1,1,2,2-Tetrachloroethane	ND		0.00426	1	01/13/2024 04:05	WG2206547
Tetrachloroethene	ND		0.00426	1	01/13/2024 04:05	WG2206547
Toluene	ND		0.00852	1	01/13/2024 04:05	WG2206547
1,2,3-Trichlorobenzene	ND	C3 J3	0.0213	1	01/13/2024 04:05	WG2206547
1,2,4-Trichlorobenzene	ND	C3	0.0213	1	01/13/2024 04:05	WG2206547
1,1,1-Trichloroethane	ND		0.00426	1	01/13/2024 04:05	WG2206547
1,1,2-Trichloroethane	ND		0.00426	1	01/13/2024 04:05	WG2206547
Trichloroethene	ND		0.00170	1	01/13/2024 04:05	WG2206547
Trichlorofluoromethane	ND		0.00426	1	01/13/2024 04:05	WG2206547
1,2,3-Trichloropropane	ND		0.0213	1	01/13/2024 04:05	WG2206547
1,2,4-Trimethylbenzene	ND		0.00852	1	01/13/2024 04:05	WG2206547
1,3,5-Trimethylbenzene	ND		0.00852	1	01/13/2024 04:05	WG2206547
Vinyl chloride	ND		0.00426	1	01/13/2024 04:05	WG2206547
Xylenes, Total	ND		0.0111	1	01/13/2024 04:05	WG2206547
(S) Toluene-d8	96.5		75.0-131		01/13/2024 04:05	WG2206547
(S) 4-Bromofluorobenzene	104		67.0-138		01/13/2024 04:05	WG2206547
(S) 1,2-Dichloroethane-d4	105		70.0-130		01/13/2024 04:05	WG2206547

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	01/11/2024 23:25	WG2205037
Acenaphthylene	ND		0.0450	1	01/11/2024 23:25	WG2205037
Anthracene	ND		0.0450	1	01/11/2024 23:25	WG2205037
Benzidine	ND		2.26	1	01/11/2024 23:25	WG2205037
Benzo(a)anthracene	ND		0.0450	1	01/11/2024 23:25	WG2205037

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0469		0.0450	1	01/11/2024 23:25	WG2205037
Benzo(k)fluoranthene	ND		0.0450	1	01/11/2024 23:25	WG2205037
Benzo(g,h,i)perylene	ND		0.0450	1	01/11/2024 23:25	WG2205037
Benzo(a)pyrene	ND		0.0450	1	01/11/2024 23:25	WG2205037
Bis(2-chloroethoxy)methane	ND		0.450	1	01/11/2024 23:25	WG2205037
Bis(2-chloroethyl)ether	ND		0.450	1	01/11/2024 23:25	WG2205037
2,2-Oxybis(1-Chloropropane)	ND		0.450	1	01/11/2024 23:25	WG2205037
4-Bromophenyl-phenylether	ND		0.450	1	01/11/2024 23:25	WG2205037
2-Chloronaphthalene	ND		0.0450	1	01/11/2024 23:25	WG2205037
4-Chlorophenyl-phenylether	ND		0.450	1	01/11/2024 23:25	WG2205037
Chrysene	ND		0.0450	1	01/11/2024 23:25	WG2205037
Dibenz(a,h)anthracene	ND		0.0450	1	01/11/2024 23:25	WG2205037
3,3-Dichlorobenzidine	ND		0.450	1	01/11/2024 23:25	WG2205037
2,4-Dinitrotoluene	ND		0.450	1	01/11/2024 23:25	WG2205037
2,6-Dinitrotoluene	ND		0.450	1	01/11/2024 23:25	WG2205037
Fluoranthene	0.0636		0.0450	1	01/11/2024 23:25	WG2205037
Fluorene	ND		0.0450	1	01/11/2024 23:25	WG2205037
Hexachlorobenzene	ND		0.450	1	01/11/2024 23:25	WG2205037
Hexachloro-1,3-butadiene	ND		0.450	1	01/11/2024 23:25	WG2205037
Hexachlorocyclopentadiene	ND		0.450	1	01/11/2024 23:25	WG2205037
Hexachloroethane	ND		0.450	1	01/11/2024 23:25	WG2205037
Indeno(1,2,3-cd)pyrene	ND		0.0450	1	01/11/2024 23:25	WG2205037
Isophorone	ND		0.450	1	01/11/2024 23:25	WG2205037
Naphthalene	ND		0.0450	1	01/11/2024 23:25	WG2205037
Nitrobenzene	ND		0.450	1	01/11/2024 23:25	WG2205037
n-Nitrosodimethylamine	ND		0.450	1	01/11/2024 23:25	WG2205037
n-Nitrosodiphenylamine	ND		0.450	1	01/11/2024 23:25	WG2205037
n-Nitrosodi-n-propylamine	ND		0.450	1	01/11/2024 23:25	WG2205037
Phenanthrene	ND		0.0450	1	01/11/2024 23:25	WG2205037
Benzylbutyl phthalate	ND		0.450	1	01/11/2024 23:25	WG2205037
Bis(2-ethylhexyl)phthalate	ND		0.450	1	01/11/2024 23:25	WG2205037
Di-n-butyl phthalate	ND		0.450	1	01/11/2024 23:25	WG2205037
Diethyl phthalate	ND		0.450	1	01/11/2024 23:25	WG2205037
Dimethyl phthalate	ND		0.450	1	01/11/2024 23:25	WG2205037
Di-n-octyl phthalate	ND		0.450	1	01/11/2024 23:25	WG2205037
Pyrene	0.0613		0.0450	1	01/11/2024 23:25	WG2205037
1,2,4-Trichlorobenzene	ND		0.450	1	01/11/2024 23:25	WG2205037
4-Chloro-3-methylphenol	ND		0.450	1	01/11/2024 23:25	WG2205037
2-Chlorophenol	ND		0.450	1	01/11/2024 23:25	WG2205037
2,4-Dichlorophenol	ND		0.450	1	01/11/2024 23:25	WG2205037
2,4-Dimethylphenol	ND		0.450	1	01/11/2024 23:25	WG2205037
4,6-Dinitro-2-methylphenol	ND		0.450	1	01/11/2024 23:25	WG2205037
2,4-Dinitrophenol	ND		0.450	1	01/11/2024 23:25	WG2205037
2-Nitrophenol	ND		0.450	1	01/11/2024 23:25	WG2205037
4-Nitrophenol	ND		0.450	1	01/11/2024 23:25	WG2205037
Pentachlorophenol	ND		0.450	1	01/11/2024 23:25	WG2205037
Phenol	ND		0.450	1	01/11/2024 23:25	WG2205037
2,4,6-Trichlorophenol	ND		0.450	1	01/11/2024 23:25	WG2205037
(S) 2-Fluorophenol	64.2		12.0-120		01/11/2024 23:25	WG2205037
(S) Phenol-d5	62.9		10.0-120		01/11/2024 23:25	WG2205037
(S) Nitrobenzene-d5	55.4		10.0-122		01/11/2024 23:25	WG2205037
(S) 2-Fluorobiphenyl	52.5		15.0-120		01/11/2024 23:25	WG2205037
(S) 2,4,6-Tribromophenol	52.7		10.0-127		01/11/2024 23:25	WG2205037
(S) p-Terphenyl-d14	61.1		10.0-120		01/11/2024 23:25	WG2205037

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	69.0		1	01/11/2024 07:54	WG2204688

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.45	1	01/11/2024 14:33	WG2204934

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0904		0.0580	1	01/11/2024 12:09	WG2204809

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.35	5	01/29/2024 21:22	WG2204929
Arsenic	2.06		1.45	5	01/29/2024 21:22	WG2204929
Barium	84.1		3.63	5	01/29/2024 21:22	WG2204929
Beryllium	ND		3.63	5	01/29/2024 21:22	WG2204929
Cadmium	ND		1.45	5	01/29/2024 21:22	WG2204929
Chromium	35.4		7.25	5	01/29/2024 21:22	WG2204929
Cobalt	12.2		1.45	5	01/29/2024 21:22	WG2204929
Copper	31.0		7.25	5	01/29/2024 21:22	WG2204929
Lead	130		2.90	5	01/29/2024 21:22	WG2204929
Manganese	525		3.63	5	01/29/2024 21:22	WG2204929
Nickel	20.7		3.63	5	01/29/2024 21:22	WG2204929
Selenium	ND		3.63	5	01/29/2024 21:22	WG2204929
Silver	ND		0.725	5	01/29/2024 21:22	WG2204929
Thallium	ND		2.90	5	01/29/2024 21:22	WG2204929
Vanadium	40.1		3.63	5	01/29/2024 21:22	WG2204929
Zinc	74.6		36.3	5	01/29/2024 21:22	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0970	1	01/13/2024 04:24	WG2206547
Acrylonitrile	ND		0.0243	1	01/13/2024 04:24	WG2206547
Benzene	ND		0.00194	1	01/13/2024 04:24	WG2206547
Bromobenzene	ND		0.0243	1	01/13/2024 04:24	WG2206547
Bromodichloromethane	ND		0.00485	1	01/13/2024 04:24	WG2206547
Bromoform	ND		0.0485	1	01/13/2024 04:24	WG2206547
Bromomethane	ND		0.0243	1	01/13/2024 04:24	WG2206547
n-Butylbenzene	ND		0.0243	1	01/13/2024 04:24	WG2206547
sec-Butylbenzene	ND		0.0243	1	01/13/2024 04:24	WG2206547
tert-Butylbenzene	ND		0.00970	1	01/13/2024 04:24	WG2206547
Carbon tetrachloride	ND		0.00970	1	01/13/2024 04:24	WG2206547
Chlorobenzene	ND		0.00485	1	01/13/2024 04:24	WG2206547
Chlorodibromomethane	ND		0.00485	1	01/13/2024 04:24	WG2206547
Chloroethane	ND		0.00970	1	01/13/2024 04:24	WG2206547
Chloroform	ND		0.00485	1	01/13/2024 04:24	WG2206547
Chloromethane	ND	J4	0.0243	1	01/13/2024 04:24	WG2206547
2-Chlorotoluene	ND		0.00485	1	01/13/2024 04:24	WG2206547
4-Chlorotoluene	ND		0.00970	1	01/13/2024 04:24	WG2206547
1,2-Dibromo-3-Chloropropane	ND		0.0485	1	01/13/2024 04:24	WG2206547

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00485	1	01/13/2024 04:24	WG2206547
Dibromomethane	ND		0.00970	1	01/13/2024 04:24	WG2206547
1,2-Dichlorobenzene	ND		0.00970	1	01/13/2024 04:24	WG2206547
1,3-Dichlorobenzene	ND		0.00970	1	01/13/2024 04:24	WG2206547
1,4-Dichlorobenzene	ND		0.00970	1	01/13/2024 04:24	WG2206547
Dichlorodifluoromethane	ND		0.00970	1	01/13/2024 04:24	WG2206547
1,1-Dichloroethane	ND		0.00485	1	01/13/2024 04:24	WG2206547
1,2-Dichloroethane	ND		0.00485	1	01/13/2024 04:24	WG2206547
1,1-Dichloroethene	ND		0.00485	1	01/13/2024 04:24	WG2206547
cis-1,2-Dichloroethene	ND		0.00485	1	01/13/2024 04:24	WG2206547
trans-1,2-Dichloroethene	ND		0.00970	1	01/13/2024 04:24	WG2206547
1,2-Dichloropropane	ND		0.00970	1	01/13/2024 04:24	WG2206547
1,1-Dichloropropene	ND		0.00485	1	01/13/2024 04:24	WG2206547
1,3-Dichloropropane	ND		0.00970	1	01/13/2024 04:24	WG2206547
cis-1,3-Dichloropropene	ND		0.00485	1	01/13/2024 04:24	WG2206547
trans-1,3-Dichloropropene	ND		0.00970	1	01/13/2024 04:24	WG2206547
2,2-Dichloropropane	ND		0.00485	1	01/13/2024 04:24	WG2206547
Di-isopropyl ether	ND		0.00194	1	01/13/2024 04:24	WG2206547
Ethylbenzene	ND		0.00485	1	01/13/2024 04:24	WG2206547
Hexachloro-1,3-butadiene	ND	C3	0.0485	1	01/13/2024 04:24	WG2206547
Isopropylbenzene	ND		0.00485	1	01/13/2024 04:24	WG2206547
p-Isopropyltoluene	ND		0.00970	1	01/13/2024 04:24	WG2206547
2-Butanone (MEK)	ND		0.194	1	01/13/2024 04:24	WG2206547
Methylene Chloride	ND		0.0485	1	01/13/2024 04:24	WG2206547
4-Methyl-2-pentanone (MIBK)	ND		0.0485	1	01/13/2024 04:24	WG2206547
Methyl tert-butyl ether	ND		0.00194	1	01/13/2024 04:24	WG2206547
Naphthalene	ND	C3	0.0243	1	01/13/2024 04:24	WG2206547
n-Propylbenzene	ND		0.00970	1	01/13/2024 04:24	WG2206547
Styrene	ND		0.0243	1	01/13/2024 04:24	WG2206547
1,1,1,2-Tetrachloroethane	ND		0.00485	1	01/13/2024 04:24	WG2206547
1,1,2,2-Tetrachloroethane	ND		0.00485	1	01/13/2024 04:24	WG2206547
Tetrachloroethene	ND		0.00485	1	01/13/2024 04:24	WG2206547
Toluene	ND		0.00970	1	01/13/2024 04:24	WG2206547
1,2,3-Trichlorobenzene	ND	C3 J3	0.0243	1	01/13/2024 04:24	WG2206547
1,2,4-Trichlorobenzene	ND	C3	0.0243	1	01/13/2024 04:24	WG2206547
1,1,1-Trichloroethane	ND		0.00485	1	01/13/2024 04:24	WG2206547
1,1,2-Trichloroethane	ND		0.00485	1	01/13/2024 04:24	WG2206547
Trichloroethene	ND		0.00194	1	01/13/2024 04:24	WG2206547
Trichlorofluoromethane	ND		0.00485	1	01/13/2024 04:24	WG2206547
1,2,3-Trichloropropane	ND		0.0243	1	01/13/2024 04:24	WG2206547
1,2,4-Trimethylbenzene	ND		0.00970	1	01/13/2024 04:24	WG2206547
1,3,5-Trimethylbenzene	ND		0.00970	1	01/13/2024 04:24	WG2206547
Vinyl chloride	ND		0.00485	1	01/13/2024 04:24	WG2206547
Xylenes, Total	ND		0.0126	1	01/13/2024 04:24	WG2206547
(S) Toluene-d8	97.0		75.0-131		01/13/2024 04:24	WG2206547
(S) 4-Bromofluorobenzene	103		67.0-138		01/13/2024 04:24	WG2206547
(S) 1,2-Dichloroethane-d4	107		70.0-130		01/13/2024 04:24	WG2206547

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0966	2	01/12/2024 00:15	WG2205037
Acenaphthylene	ND		0.0966	2	01/12/2024 00:15	WG2205037
Anthracene	0.212		0.0966	2	01/12/2024 00:15	WG2205037
Benzidine	ND		4.84	2	01/12/2024 00:15	WG2205037
Benzo(a)anthracene	0.718		0.0966	2	01/12/2024 00:15	WG2205037

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.902		0.0966	2	01/12/2024 00:15	WG2205037
Benzo(k)fluoranthene	0.290		0.0966	2	01/12/2024 00:15	WG2205037
Benzo(g,h,i)perylene	0.299		0.0966	2	01/12/2024 00:15	WG2205037
Benzo(a)pyrene	0.635		0.0966	2	01/12/2024 00:15	WG2205037
Bis(2-chloroethoxy)methane	ND		0.966	2	01/12/2024 00:15	WG2205037
Bis(2-chloroethyl)ether	ND		0.966	2	01/12/2024 00:15	WG2205037
2,2-Oxybis(1-Chloropropane)	ND		0.966	2	01/12/2024 00:15	WG2205037
4-Bromophenyl-phenylether	ND		0.966	2	01/12/2024 00:15	WG2205037
2-Chloronaphthalene	ND		0.0966	2	01/12/2024 00:15	WG2205037
4-Chlorophenyl-phenylether	ND		0.966	2	01/12/2024 00:15	WG2205037
Chrysene	0.754		0.0966	2	01/12/2024 00:15	WG2205037
Dibenz(a,h)anthracene	ND		0.0966	2	01/12/2024 00:15	WG2205037
3,3-Dichlorobenzidine	ND		0.966	2	01/12/2024 00:15	WG2205037
2,4-Dinitrotoluene	ND		0.966	2	01/12/2024 00:15	WG2205037
2,6-Dinitrotoluene	ND		0.966	2	01/12/2024 00:15	WG2205037
Fluoranthene	1.93		0.0966	2	01/12/2024 00:15	WG2205037
Fluorene	0.134		0.0966	2	01/12/2024 00:15	WG2205037
Hexachlorobenzene	ND		0.966	2	01/12/2024 00:15	WG2205037
Hexachloro-1,3-butadiene	ND		0.966	2	01/12/2024 00:15	WG2205037
Hexachlorocyclopentadiene	ND		0.966	2	01/12/2024 00:15	WG2205037
Hexachloroethane	ND		0.966	2	01/12/2024 00:15	WG2205037
Indeno(1,2,3-cd)pyrene	0.335		0.0966	2	01/12/2024 00:15	WG2205037
Isophorone	ND		0.966	2	01/12/2024 00:15	WG2205037
Naphthalene	ND		0.0966	2	01/12/2024 00:15	WG2205037
Nitrobenzene	ND		0.966	2	01/12/2024 00:15	WG2205037
n-Nitrosodimethylamine	ND		0.966	2	01/12/2024 00:15	WG2205037
n-Nitrosodiphenylamine	ND		0.966	2	01/12/2024 00:15	WG2205037
n-Nitrosodi-n-propylamine	ND		0.966	2	01/12/2024 00:15	WG2205037
Phenanthrene	1.43		0.0966	2	01/12/2024 00:15	WG2205037
Benzylbutyl phthalate	ND		0.966	2	01/12/2024 00:15	WG2205037
Bis(2-ethylhexyl)phthalate	ND		0.966	2	01/12/2024 00:15	WG2205037
Di-n-butyl phthalate	ND		0.966	2	01/12/2024 00:15	WG2205037
Diethyl phthalate	ND		0.966	2	01/12/2024 00:15	WG2205037
Dimethyl phthalate	ND		0.966	2	01/12/2024 00:15	WG2205037
Di-n-octyl phthalate	ND		0.966	2	01/12/2024 00:15	WG2205037
Pyrene	1.58		0.0966	2	01/12/2024 00:15	WG2205037
1,2,4-Trichlorobenzene	ND		0.966	2	01/12/2024 00:15	WG2205037
4-Chloro-3-methylphenol	ND		0.966	2	01/12/2024 00:15	WG2205037
2-Chlorophenol	ND		0.966	2	01/12/2024 00:15	WG2205037
2,4-Dichlorophenol	ND		0.966	2	01/12/2024 00:15	WG2205037
2,4-Dimethylphenol	ND		0.966	2	01/12/2024 00:15	WG2205037
4,6-Dinitro-2-methylphenol	ND		0.966	2	01/12/2024 00:15	WG2205037
2,4-Dinitrophenol	ND		0.966	2	01/12/2024 00:15	WG2205037
2-Nitrophenol	ND		0.966	2	01/12/2024 00:15	WG2205037
4-Nitrophenol	ND		0.966	2	01/12/2024 00:15	WG2205037
Pentachlorophenol	ND		0.966	2	01/12/2024 00:15	WG2205037
Phenol	ND		0.966	2	01/12/2024 00:15	WG2205037
2,4,6-Trichlorophenol	ND		0.966	2	01/12/2024 00:15	WG2205037
(S) 2-Fluorophenol	62.2		12.0-120		01/12/2024 00:15	WG2205037
(S) Phenol-d5	61.2		10.0-120		01/12/2024 00:15	WG2205037
(S) Nitrobenzene-d5	62.7		10.0-122		01/12/2024 00:15	WG2205037
(S) 2-Fluorobiphenyl	60.3		15.0-120		01/12/2024 00:15	WG2205037
(S) 2,4,6-Tribromophenol	57.4		10.0-127		01/12/2024 00:15	WG2205037
(S) p-Terphenyl-d14	66.4		10.0-120		01/12/2024 00:15	WG2205037

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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L1694721-08 WG2205037: Dilution due to matrix impact during extract concentration procedure.

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.1		1	01/11/2024 07:54	WG2204688

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.28	1	01/11/2024 14:45	WG2204934

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.152		0.0512	1	01/11/2024 12:11	WG2204809

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.84	5	01/29/2024 21:25	WG2204929
Arsenic	5.79		1.28	5	01/29/2024 21:25	WG2204929
Barium	151		3.20	5	01/29/2024 21:25	WG2204929
Beryllium	ND		3.20	5	01/29/2024 21:25	WG2204929
Cadmium	ND		1.28	5	01/29/2024 21:25	WG2204929
Chromium	23.1		6.40	5	01/29/2024 21:25	WG2204929
Cobalt	5.66		1.28	5	01/29/2024 21:25	WG2204929
Copper	59.6		6.40	5	01/29/2024 21:25	WG2204929
Lead	695		2.56	5	01/29/2024 21:25	WG2204929
Manganese	876		3.20	5	01/29/2024 21:25	WG2204929
Nickel	9.83		3.20	5	01/29/2024 21:25	WG2204929
Selenium	ND		3.20	5	01/29/2024 21:25	WG2204929
Silver	ND		0.640	5	01/29/2024 21:25	WG2204929
Thallium	ND		2.56	5	01/29/2024 21:25	WG2204929
Vanadium	18.9		3.20	5	01/29/2024 21:25	WG2204929
Zinc	182		32.0	5	01/29/2024 21:25	WG2204929

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0805	1	01/13/2024 04:44	WG2206547
Acrylonitrile	ND		0.0201	1	01/13/2024 04:44	WG2206547
Benzene	ND		0.00161	1	01/13/2024 04:44	WG2206547
Bromobenzene	ND		0.0201	1	01/13/2024 04:44	WG2206547
Bromodichloromethane	ND		0.00402	1	01/13/2024 04:44	WG2206547
Bromoform	ND		0.0402	1	01/13/2024 04:44	WG2206547
Bromomethane	ND		0.0201	1	01/13/2024 04:44	WG2206547
n-Butylbenzene	ND		0.0201	1	01/13/2024 04:44	WG2206547
sec-Butylbenzene	ND		0.0201	1	01/13/2024 04:44	WG2206547
tert-Butylbenzene	ND		0.00805	1	01/13/2024 04:44	WG2206547
Carbon tetrachloride	ND		0.00805	1	01/13/2024 04:44	WG2206547
Chlorobenzene	ND		0.00402	1	01/13/2024 04:44	WG2206547
Chlorodibromomethane	ND		0.00402	1	01/13/2024 04:44	WG2206547
Chloroethane	ND		0.00805	1	01/13/2024 04:44	WG2206547
Chloroform	ND		0.00402	1	01/13/2024 04:44	WG2206547
Chloromethane	ND	J4	0.0201	1	01/13/2024 04:44	WG2206547
2-Chlorotoluene	ND		0.00402	1	01/13/2024 04:44	WG2206547
4-Chlorotoluene	ND		0.00805	1	01/13/2024 04:44	WG2206547
1,2-Dibromo-3-Chloropropane	ND		0.0402	1	01/13/2024 04:44	WG2206547

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00402	1	01/13/2024 04:44	WG2206547
Dibromomethane	ND		0.00805	1	01/13/2024 04:44	WG2206547
1,2-Dichlorobenzene	ND		0.00805	1	01/13/2024 04:44	WG2206547
1,3-Dichlorobenzene	ND		0.00805	1	01/13/2024 04:44	WG2206547
1,4-Dichlorobenzene	ND		0.00805	1	01/13/2024 04:44	WG2206547
Dichlorodifluoromethane	ND		0.00805	1	01/13/2024 04:44	WG2206547
1,1-Dichloroethane	ND		0.00402	1	01/13/2024 04:44	WG2206547
1,2-Dichloroethane	ND		0.00402	1	01/13/2024 04:44	WG2206547
1,1-Dichloroethene	ND		0.00402	1	01/13/2024 04:44	WG2206547
cis-1,2-Dichloroethene	ND		0.00402	1	01/13/2024 04:44	WG2206547
trans-1,2-Dichloroethene	ND		0.00805	1	01/13/2024 04:44	WG2206547
1,2-Dichloropropane	ND		0.00805	1	01/13/2024 04:44	WG2206547
1,1-Dichloropropene	ND		0.00402	1	01/13/2024 04:44	WG2206547
1,3-Dichloropropane	ND		0.00805	1	01/13/2024 04:44	WG2206547
cis-1,3-Dichloropropene	ND		0.00402	1	01/13/2024 04:44	WG2206547
trans-1,3-Dichloropropene	ND		0.00805	1	01/13/2024 04:44	WG2206547
2,2-Dichloropropane	ND		0.00402	1	01/13/2024 04:44	WG2206547
Di-isopropyl ether	ND		0.00161	1	01/13/2024 04:44	WG2206547
Ethylbenzene	ND		0.00402	1	01/13/2024 04:44	WG2206547
Hexachloro-1,3-butadiene	ND	C3	0.0402	1	01/13/2024 04:44	WG2206547
Isopropylbenzene	ND		0.00402	1	01/13/2024 04:44	WG2206547
p-Isopropyltoluene	ND		0.00805	1	01/13/2024 04:44	WG2206547
2-Butanone (MEK)	ND		0.161	1	01/13/2024 04:44	WG2206547
Methylene Chloride	ND		0.0402	1	01/13/2024 04:44	WG2206547
4-Methyl-2-pentanone (MIBK)	ND		0.0402	1	01/13/2024 04:44	WG2206547
Methyl tert-butyl ether	ND		0.00161	1	01/13/2024 04:44	WG2206547
Naphthalene	ND	C3	0.0201	1	01/13/2024 04:44	WG2206547
n-Propylbenzene	ND		0.00805	1	01/13/2024 04:44	WG2206547
Styrene	ND		0.0201	1	01/13/2024 04:44	WG2206547
1,1,1,2-Tetrachloroethane	ND		0.00402	1	01/13/2024 04:44	WG2206547
1,1,2,2-Tetrachloroethane	ND		0.00402	1	01/13/2024 04:44	WG2206547
Tetrachloroethene	ND		0.00402	1	01/13/2024 04:44	WG2206547
Toluene	ND		0.00805	1	01/13/2024 04:44	WG2206547
1,2,3-Trichlorobenzene	ND	C3 J3	0.0201	1	01/13/2024 04:44	WG2206547
1,2,4-Trichlorobenzene	ND	C3	0.0201	1	01/13/2024 04:44	WG2206547
1,1,1-Trichloroethane	ND		0.00402	1	01/13/2024 04:44	WG2206547
1,1,2-Trichloroethane	ND		0.00402	1	01/13/2024 04:44	WG2206547
Trichloroethene	ND		0.00161	1	01/13/2024 04:44	WG2206547
Trichlorofluoromethane	ND		0.00402	1	01/13/2024 04:44	WG2206547
1,2,3-Trichloropropane	ND		0.0201	1	01/13/2024 04:44	WG2206547
1,2,4-Trimethylbenzene	ND		0.00805	1	01/13/2024 04:44	WG2206547
1,3,5-Trimethylbenzene	ND		0.00805	1	01/13/2024 04:44	WG2206547
Vinyl chloride	ND		0.00402	1	01/13/2024 04:44	WG2206547
Xylenes, Total	ND		0.0105	1	01/13/2024 04:44	WG2206547
(S) Toluene-d8	99.1		75.0-131		01/13/2024 04:44	WG2206547
(S) 4-Bromofluorobenzene	105		67.0-138		01/13/2024 04:44	WG2206547
(S) 1,2-Dichloroethane-d4	106		70.0-130		01/13/2024 04:44	WG2206547

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.853	20	01/18/2024 19:44	WG2205037
Acenaphthylene	ND		0.853	20	01/18/2024 19:44	WG2205037
Anthracene	ND		0.853	20	01/18/2024 19:44	WG2205037
Benzidine	ND		42.8	20	01/18/2024 19:44	WG2205037
Benzo(a)anthracene	ND		0.853	20	01/18/2024 19:44	WG2205037

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.853	20	01/18/2024 19:44	WG2205037
Benzo(k)fluoranthene	ND		0.853	20	01/18/2024 19:44	WG2205037
Benzo(g,h,i)perylene	ND		0.853	20	01/18/2024 19:44	WG2205037
Benzo(a)pyrene	ND		0.853	20	01/18/2024 19:44	WG2205037
Bis(2-chloroethoxy)methane	ND		8.53	20	01/18/2024 19:44	WG2205037
Bis(2-chloroethyl)ether	ND		8.53	20	01/18/2024 19:44	WG2205037
2,2-Oxybis(1-Chloropropane)	ND		8.53	20	01/18/2024 19:44	WG2205037
4-Bromophenyl-phenylether	ND		8.53	20	01/18/2024 19:44	WG2205037
2-Chloronaphthalene	ND		0.853	20	01/18/2024 19:44	WG2205037
4-Chlorophenyl-phenylether	ND		8.53	20	01/18/2024 19:44	WG2205037
Chrysene	ND		0.853	20	01/18/2024 19:44	WG2205037
Dibenz(a,h)anthracene	ND		0.853	20	01/18/2024 19:44	WG2205037
3,3-Dichlorobenzidine	ND		8.53	20	01/18/2024 19:44	WG2205037
2,4-Dinitrotoluene	ND		8.53	20	01/18/2024 19:44	WG2205037
2,6-Dinitrotoluene	ND		8.53	20	01/18/2024 19:44	WG2205037
Fluoranthene	ND		0.853	20	01/18/2024 19:44	WG2205037
Fluorene	ND		0.853	20	01/18/2024 19:44	WG2205037
Hexachlorobenzene	ND		8.53	20	01/18/2024 19:44	WG2205037
Hexachloro-1,3-butadiene	ND		8.53	20	01/18/2024 19:44	WG2205037
Hexachlorocyclopentadiene	ND		8.53	20	01/18/2024 19:44	WG2205037
Hexachloroethane	ND		8.53	20	01/18/2024 19:44	WG2205037
Indeno(1,2,3-cd)pyrene	ND		0.853	20	01/18/2024 19:44	WG2205037
Isophorone	ND		8.53	20	01/18/2024 19:44	WG2205037
Naphthalene	ND		0.853	20	01/18/2024 19:44	WG2205037
Nitrobenzene	ND		8.53	20	01/18/2024 19:44	WG2205037
n-Nitrosodimethylamine	ND		8.53	20	01/18/2024 19:44	WG2205037
n-Nitrosodiphenylamine	ND		8.53	20	01/18/2024 19:44	WG2205037
n-Nitrosodi-n-propylamine	ND		8.53	20	01/18/2024 19:44	WG2205037
Phenanthrene	ND		0.853	20	01/18/2024 19:44	WG2205037
Benzylbutyl phthalate	ND		8.53	20	01/18/2024 19:44	WG2205037
Bis(2-ethylhexyl)phthalate	ND		8.53	20	01/18/2024 19:44	WG2205037
Di-n-butyl phthalate	ND		8.53	20	01/18/2024 19:44	WG2205037
Diethyl phthalate	ND		8.53	20	01/18/2024 19:44	WG2205037
Dimethyl phthalate	ND		8.53	20	01/18/2024 19:44	WG2205037
Di-n-octyl phthalate	ND		8.53	20	01/18/2024 19:44	WG2205037
Pyrene	ND		0.853	20	01/18/2024 19:44	WG2205037
1,2,4-Trichlorobenzene	ND		8.53	20	01/18/2024 19:44	WG2205037
4-Chloro-3-methylphenol	ND		8.53	20	01/18/2024 19:44	WG2205037
2-Chlorophenol	ND		8.53	20	01/18/2024 19:44	WG2205037
2,4-Dichlorophenol	ND		8.53	20	01/18/2024 19:44	WG2205037
2,4-Dimethylphenol	ND		8.53	20	01/18/2024 19:44	WG2205037
4,6-Dinitro-2-methylphenol	ND		8.53	20	01/18/2024 19:44	WG2205037
2,4-Dinitrophenol	ND		8.53	20	01/18/2024 19:44	WG2205037
2-Nitrophenol	ND		8.53	20	01/18/2024 19:44	WG2205037
4-Nitrophenol	ND		8.53	20	01/18/2024 19:44	WG2205037
Pentachlorophenol	ND		8.53	20	01/18/2024 19:44	WG2205037
Phenol	ND		8.53	20	01/18/2024 19:44	WG2205037
2,4,6-Trichlorophenol	ND		8.53	20	01/18/2024 19:44	WG2205037
(S) 2-Fluorophenol	48.3	J7	12.0-120		01/18/2024 19:44	WG2205037
(S) Phenol-d5	55.8	J7	10.0-120		01/18/2024 19:44	WG2205037
(S) Nitrobenzene-d5	73.2	J7	10.0-122		01/18/2024 19:44	WG2205037
(S) 2-Fluorobiphenyl	50.3	J7	15.0-120		01/18/2024 19:44	WG2205037
(S) 2,4,6-Tribromophenol	48.6	J7	10.0-127		01/18/2024 19:44	WG2205037
(S) p-Terphenyl-d14	59.1	J7	10.0-120		01/18/2024 19:44	WG2205037

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
L1694721-09 WG2205037: Dilution due to matrix.						

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	01/11/2024 00:21	WG2204956
Acrolein	ND		50.0	1	01/11/2024 00:21	WG2204956
Acrylonitrile	ND		10.0	1	01/11/2024 00:21	WG2204956
Benzene	ND		1.00	1	01/11/2024 00:21	WG2204956
Bromobenzene	ND		1.00	1	01/11/2024 00:21	WG2204956
Bromodichloromethane	ND		1.00	1	01/11/2024 00:21	WG2204956
Bromoform	ND	C3	1.00	1	01/11/2024 00:21	WG2204956
Bromomethane	ND		5.00	1	01/11/2024 00:21	WG2204956
n-Butylbenzene	ND		1.00	1	01/11/2024 00:21	WG2204956
sec-Butylbenzene	ND		1.00	1	01/11/2024 00:21	WG2204956
tert-Butylbenzene	ND		1.00	1	01/11/2024 00:21	WG2204956
Carbon tetrachloride	ND		1.00	1	01/11/2024 00:21	WG2204956
Chlorobenzene	ND		1.00	1	01/11/2024 00:21	WG2204956
Chlorodibromomethane	ND		1.00	1	01/11/2024 00:21	WG2204956
Chloroethane	ND		5.00	1	01/11/2024 00:21	WG2204956
Chloroform	ND		5.00	1	01/11/2024 00:21	WG2204956
Chloromethane	ND	C3 J3	2.50	1	01/11/2024 00:21	WG2204956
2-Chlorotoluene	ND		1.00	1	01/11/2024 00:21	WG2204956
4-Chlorotoluene	ND		1.00	1	01/11/2024 00:21	WG2204956
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/11/2024 00:21	WG2204956
1,2-Dibromoethane	ND		1.00	1	01/11/2024 00:21	WG2204956
Dibromomethane	ND		1.00	1	01/11/2024 00:21	WG2204956
1,2-Dichlorobenzene	ND		1.00	1	01/11/2024 00:21	WG2204956
1,3-Dichlorobenzene	ND		1.00	1	01/11/2024 00:21	WG2204956
1,4-Dichlorobenzene	ND		1.00	1	01/11/2024 00:21	WG2204956
Dichlorodifluoromethane	ND	J3	5.00	1	01/11/2024 00:21	WG2204956
1,1-Dichloroethane	ND		1.00	1	01/11/2024 00:21	WG2204956
1,2-Dichloroethane	ND		1.00	1	01/11/2024 00:21	WG2204956
1,1-Dichloroethene	ND		1.00	1	01/11/2024 00:21	WG2204956
cis-1,2-Dichloroethene	ND		1.00	1	01/11/2024 00:21	WG2204956
trans-1,2-Dichloroethene	ND		1.00	1	01/11/2024 00:21	WG2204956
1,2-Dichloropropane	ND		1.00	1	01/11/2024 00:21	WG2204956
1,1-Dichloropropene	ND		1.00	1	01/11/2024 00:21	WG2204956
1,3-Dichloropropane	ND		1.00	1	01/11/2024 00:21	WG2204956
cis-1,3-Dichloropropene	ND		1.00	1	01/11/2024 00:21	WG2204956
trans-1,3-Dichloropropene	ND		1.00	1	01/11/2024 00:21	WG2204956
2,2-Dichloropropane	ND		1.00	1	01/11/2024 00:21	WG2204956
Di-isopropyl ether	ND		1.00	1	01/11/2024 00:21	WG2204956
Ethylbenzene	ND		1.00	1	01/11/2024 00:21	WG2204956
Hexachloro-1,3-butadiene	ND		1.00	1	01/11/2024 00:21	WG2204956
Isopropylbenzene	ND		1.00	1	01/11/2024 00:21	WG2204956
p-Isopropyltoluene	ND		1.00	1	01/11/2024 00:21	WG2204956
2-Butanone (MEK)	ND		10.0	1	01/11/2024 00:21	WG2204956
Methylene Chloride	ND		5.00	1	01/11/2024 00:21	WG2204956
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/11/2024 00:21	WG2204956
Methyl tert-butyl ether	ND		1.00	1	01/11/2024 00:21	WG2204956
Naphthalene	ND		5.00	1	01/11/2024 00:21	WG2204956
n-Propylbenzene	ND		1.00	1	01/11/2024 00:21	WG2204956
Styrene	ND		1.00	1	01/11/2024 00:21	WG2204956
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/11/2024 00:21	WG2204956
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/11/2024 00:21	WG2204956
Tetrachloroethene	ND		1.00	1	01/11/2024 00:21	WG2204956
Toluene	ND		1.00	1	01/11/2024 00:21	WG2204956
1,2,3-Trichlorobenzene	ND		1.00	1	01/11/2024 00:21	WG2204956
1,2,4-Trichlorobenzene	ND		1.00	1	01/11/2024 00:21	WG2204956
1,1,1-Trichloroethane	ND		1.00	1	01/11/2024 00:21	WG2204956

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	01/11/2024 00:21	WG2204956
Trichloroethene	ND		1.00	1	01/11/2024 00:21	WG2204956
Trichlorofluoromethane	ND		5.00	1	01/11/2024 00:21	WG2204956
1,2,3-Trichloropropane	ND		2.50	1	01/11/2024 00:21	WG2204956
1,2,4-Trimethylbenzene	ND		1.00	1	01/11/2024 00:21	WG2204956
1,3,5-Trimethylbenzene	ND		1.00	1	01/11/2024 00:21	WG2204956
Vinyl chloride	ND		1.00	1	01/11/2024 00:21	WG2204956
Xylenes, Total	ND		3.00	1	01/11/2024 00:21	WG2204956
(S) Toluene-d8	102		80.0-120		01/11/2024 00:21	WG2204956
(S) 4-Bromofluorobenzene	95.8		77.0-126		01/11/2024 00:21	WG2204956
(S) 1,2-Dichloroethane-d4	99.4		70.0-130		01/11/2024 00:21	WG2204956

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

Method Blank (MB)

(MB) R4021917-1 01/10/24 16:15

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

1 Cp

2 Tc

3 Ss

L1694721-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1694721-03 01/10/24 16:15 • (DUP) R4021917-3 01/10/24 16:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	85.8	86.9	1	1.32		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4021917-2 01/10/24 16:15

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022308-1 01/11/24 07:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

1 Cp

2 Tc

3 Ss

L1694721-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1694721-06 01/11/24 07:54 • (DUP) R4022308-3 01/11/24 07:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	81.9	81.5	1	0.530		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4022308-2 01/11/24 07:54

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	99.9	90.0-110	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022213-1 01/11/24 12:33

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1694721-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1694721-01 01/11/24 13:31 • (DUP) R4022213-3 01/11/24 13:50

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	2.03	3.75	1	59.5	P1	20

L1694721-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1694721-08 01/11/24 14:33 • (DUP) R4022213-4 01/11/24 14:39

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4022213-2 01/11/24 12:42

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.1	101	80.0-120	

L1694928-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694928-02 01/11/24 15:10 • (MS) R4022213-5 01/11/24 15:16 • (MSD) R4022213-6 01/11/24 15:23

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	23.4	4.00	28.4	28.4	105	104	1	75.0-125			0.0263	20

L1695059-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695059-07 01/11/24 15:41 • (MS) R4022213-9 01/11/24 15:47 • (MSD) R4022213-10 01/11/24 15:53

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	23.0	2.42	24.8	23.2	97.2	90.2	1	75.0-125			6.69	20

L1694928-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1694928-02 01/11/24 15:10 • (MS) R4022213-7 01/11/24 15:29

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	752	4.00	893	119	50	75.0-125	

L1695059-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1695059-07 01/11/24 15:41 • (MS) R4022213-11 01/11/24 16:00

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	737	2.42	719	97.5	50	75.0-125	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022143-1 01/11/24 11:14

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4022143-2 01/11/24 11:17

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.493	98.7	80.0-120	

4 Cn

5 Sr

L1694721-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694721-06 01/11/24 11:19 • (MS) R4022143-3 01/11/24 11:22 • (MSD) R4022143-4 01/11/24 11:24

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.610	ND	0.722	0.728	112	113	1	75.0-125			0.854	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4027469-1 01/29/24 19:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	0.379	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	0.560	U	0.297	5.00
Cobalt	0.0534	U	0.0463	1.00
Copper	U		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

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

Laboratory Control Sample (LCS)

(LCS) R4027469-2 01/29/24 19:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	107	107	80.0-120	
Arsenic	100	104	104	80.0-120	
Barium	100	97.9	97.9	80.0-120	
Beryllium	100	102	102	80.0-120	
Cadmium	100	110	110	80.0-120	
Chromium	100	107	107	80.0-120	
Cobalt	100	108	108	80.0-120	
Copper	100	109	109	80.0-120	
Lead	100	106	106	80.0-120	
Manganese	100	108	108	80.0-120	
Nickel	100	109	109	80.0-120	
Selenium	100	105	105	80.0-120	
Silver	20.0	21.2	106	80.0-120	
Thallium	100	105	105	80.0-120	
Vanadium	100	106	106	80.0-120	
Zinc	100	104	104	80.0-120	

L1694721-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694721-06 01/29/24 20:01 • (MS) R4027469-5 01/29/24 20:11 • (MSD) R4027469-6 01/29/24 20:14

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	122	ND	46.6	49.8	37.9	40.6	5	75.0-125	J6	J6	6.66	20
Arsenic	122	2.85	115	106	92.0	84.3	5	75.0-125			8.58	20
Barium	122	61.3	182	167	98.7	86.9	5	75.0-125			8.24	20
Beryllium	122	ND	114	109	92.8	88.7	5	75.0-125	E	E	4.43	20
Cadmium	122	ND	131	124	107	102	5	75.0-125			5.27	20
Chromium	122	32.4	156	143	101	90.3	5	75.0-125			8.66	20
Cobalt	122	12.0	135	128	101	95.1	5	75.0-125			5.57	20
Copper	122	16.9	147	140	106	101	5	75.0-125			4.77	20
Lead	122	40.8	162	157	99.6	95.2	5	75.0-125			3.33	20
Manganese	122	512	656	550	118	31.7	5	75.0-125		V	17.5	20
Nickel	122	14.5	141	135	104	99.0	5	75.0-125			4.22	20
Selenium	122	ND	110	96.5	89.9	78.7	5	75.0-125			13.3	20
Silver	24.4	ND	25.5	24.0	102	96.3	5	75.0-125			6.08	20
Thallium	122	ND	124	118	102	96.4	5	75.0-125			5.28	20
Vanadium	122	35.2	157	145	100	89.9	5	75.0-125			8.12	20
Zinc	122	41.0	163	159	100	97.0	5	75.0-125			2.27	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4022000-3 01/10/24 21:47

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022000-3 01/10/24 21:47

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	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	103			80.0-120
(S) 4-Bromofluorobenzene	95.9			77.0-126
(S) 1,2-Dichloroethane-d4	94.9			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022000-1 01/10/24 20:42 • (LCSD) R4022000-2 01/10/24 21:03

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Acetone	25.0	27.2	25.4	109	102	19.0-160			6.84	27
Acrolein	25.0	27.3	27.0	109	108	10.0-160			1.10	26
Acrylonitrile	25.0	23.1	22.8	92.4	91.2	55.0-149			1.31	20
Benzene	5.00	4.29	4.18	85.8	83.6	70.0-123			2.60	20
Bromobenzene	5.00	4.73	4.51	94.6	90.2	73.0-121			4.76	20
Bromodichloromethane	5.00	4.28	4.07	85.6	81.4	75.0-120			5.03	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022000-1 01/10/24 20:42 • (LCSD) R4022000-2 01/10/24 21:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromoform	5.00	3.66	3.73	73.2	74.6	68.0-132			1.89	20
Bromomethane	5.00	5.99	5.75	120	115	10.0-160			4.09	25
n-Butylbenzene	5.00	5.26	5.01	105	100	73.0-125			4.87	20
sec-Butylbenzene	5.00	5.08	4.82	102	96.4	75.0-125			5.25	20
tert-Butylbenzene	5.00	4.87	4.70	97.4	94.0	76.0-124			3.55	20
Carbon tetrachloride	5.00	4.49	4.24	89.8	84.8	68.0-126			5.73	20
Chlorobenzene	5.00	4.63	4.35	92.6	87.0	80.0-121			6.24	20
Chlorodibromomethane	5.00	4.29	4.18	85.8	83.6	77.0-125			2.60	20
Chloroethane	5.00	4.98	4.83	99.6	96.6	47.0-150			3.06	20
Chloroform	5.00	4.59	4.27	91.8	85.4	73.0-120			7.22	20
Chloromethane	5.00	2.08	2.64	41.6	52.8	41.0-142		J3	23.7	20
2-Chlorotoluene	5.00	5.06	4.74	101	94.8	76.0-123			6.53	20
4-Chlorotoluene	5.00	4.73	4.54	94.6	90.8	75.0-122			4.10	20
1,2-Dibromo-3-Chloropropane	5.00	4.34	4.01	86.8	80.2	58.0-134			7.90	20
1,2-Dibromoethane	5.00	4.46	4.04	89.2	80.8	80.0-122			9.88	20
Dibromomethane	5.00	4.54	4.26	90.8	85.2	80.0-120			6.36	20
1,2-Dichlorobenzene	5.00	4.92	4.76	98.4	95.2	79.0-121			3.31	20
1,3-Dichlorobenzene	5.00	4.78	4.48	95.6	89.6	79.0-120			6.48	20
1,4-Dichlorobenzene	5.00	4.65	4.55	93.0	91.0	79.0-120			2.17	20
Dichlorodifluoromethane	5.00	4.15	2.75	83.0	55.0	51.0-149		J3	40.6	20
1,1-Dichloroethane	5.00	4.58	4.40	91.6	88.0	70.0-126			4.01	20
1,2-Dichloroethane	5.00	5.00	4.67	100	93.4	70.0-128			6.83	20
1,1-Dichloroethene	5.00	4.27	4.04	85.4	80.8	71.0-124			5.54	20
cis-1,2-Dichloroethene	5.00	4.29	4.35	85.8	87.0	73.0-120			1.39	20
trans-1,2-Dichloroethene	5.00	4.10	4.13	82.0	82.6	73.0-120			0.729	20
1,2-Dichloropropane	5.00	4.51	4.27	90.2	85.4	77.0-125			5.47	20
1,1-Dichloropropene	5.00	4.39	4.27	87.8	85.4	74.0-126			2.77	20
1,3-Dichloropropane	5.00	4.56	4.30	91.2	86.0	80.0-120			5.87	20
cis-1,3-Dichloropropene	5.00	4.00	4.01	80.0	80.2	80.0-123			0.250	20
trans-1,3-Dichloropropene	5.00	4.16	3.95	83.2	79.0	78.0-124			5.18	20
2,2-Dichloropropane	5.00	5.18	5.46	104	109	58.0-130			5.26	20
Di-isopropyl ether	5.00	4.71	4.51	94.2	90.2	58.0-138			4.34	20
Ethylbenzene	5.00	4.46	4.44	89.2	88.8	79.0-123			0.449	20
Hexachloro-1,3-butadiene	5.00	5.47	5.50	109	110	54.0-138			0.547	20
Isopropylbenzene	5.00	4.67	4.52	93.4	90.4	76.0-127			3.26	20
p-Isopropyltoluene	5.00	4.99	4.79	99.8	95.8	76.0-125			4.09	20
2-Butanone (MEK)	25.0	24.4	22.7	97.6	90.8	44.0-160			7.22	20
Methylene Chloride	5.00	4.01	3.92	80.2	78.4	67.0-120			2.27	20
4-Methyl-2-pentanone (MIBK)	25.0	25.5	23.4	102	93.6	68.0-142			8.59	20
Methyl tert-butyl ether	5.00	4.71	4.23	94.2	84.6	68.0-125			10.7	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022000-1 01/10/24 20:42 • (LCSD) R4022000-2 01/10/24 21:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Naphthalene	5.00	4.55	4.31	91.0	86.2	54.0-135			5.42	20
n-Propylbenzene	5.00	4.89	4.64	97.8	92.8	77.0-124			5.25	20
Styrene	5.00	4.36	4.06	87.2	81.2	73.0-130			7.13	20
1,1,1,2-Tetrachloroethane	5.00	4.68	4.58	93.6	91.6	75.0-125			2.16	20
1,1,2,2-Tetrachloroethane	5.00	4.26	4.18	85.2	83.6	65.0-130			1.90	20
Tetrachloroethene	5.00	4.05	4.01	81.0	80.2	72.0-132			0.993	20
Toluene	5.00	4.42	4.27	88.4	85.4	79.0-120			3.45	20
1,2,3-Trichlorobenzene	5.00	5.07	4.82	101	96.4	50.0-138			5.06	20
1,2,4-Trichlorobenzene	5.00	5.06	4.76	101	95.2	57.0-137			6.11	20
1,1,1-Trichloroethane	5.00	4.75	4.42	95.0	88.4	73.0-124			7.20	20
1,1,2-Trichloroethane	5.00	4.49	4.03	89.8	80.6	80.0-120			10.8	20
Trichloroethene	5.00	4.82	4.38	96.4	87.6	78.0-124			9.57	20
Trichlorofluoromethane	5.00	5.02	4.55	100	91.0	59.0-147			9.82	20
1,2,3-Trichloropropane	5.00	5.22	4.64	104	92.8	73.0-130			11.8	20
1,2,4-Trimethylbenzene	5.00	4.62	4.48	92.4	89.6	76.0-121			3.08	20
1,3,5-Trimethylbenzene	5.00	4.80	4.65	96.0	93.0	76.0-122			3.17	20
Vinyl chloride	5.00	4.69	4.56	93.8	91.2	67.0-131			2.81	20
Xylenes, Total	15.0	13.5	13.3	90.0	88.7	79.0-123			1.49	20
(S) Toluene-d8				102	101	80.0-120				
(S) 4-Bromofluorobenzene				93.2	95.6	77.0-126				
(S) 1,2-Dichloroethane-d4				97.5	101	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022611-3 01/11/24 20:26

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	0.00200	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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022611-3 01/11/24 20:26

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	102			75.0-131
(S) 4-Bromofluorobenzene	108			67.0-138
(S) 1,2-Dichloroethane-d4	82.1			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022611-1 01/11/24 18:50 • (LCSD) R4022611-2 01/11/24 19:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.502	0.491	80.3	78.6	10.0-160			2.22	31
Acrylonitrile	0.625	0.664	0.673	106	108	45.0-153			1.35	22
Benzene	0.125	0.134	0.127	107	102	70.0-123			5.36	20
Bromobenzene	0.125	0.123	0.123	98.4	98.4	73.0-121			0.000	20
Bromodichloromethane	0.125	0.137	0.131	110	105	73.0-121			4.48	20
Bromoform	0.125	0.137	0.138	110	110	64.0-132			0.727	20
Bromomethane	0.125	0.115	0.108	92.0	86.4	56.0-147			6.28	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022611-1 01/11/24 18:50 • (LCSD) R4022611-2 01/11/24 19:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.131	0.142	105	114	68.0-135			8.06	20
sec-Butylbenzene	0.125	0.128	0.132	102	106	74.0-130			3.08	20
tert-Butylbenzene	0.125	0.127	0.131	102	105	75.0-127			3.10	20
Carbon tetrachloride	0.125	0.130	0.132	104	106	66.0-128			1.53	20
Chlorobenzene	0.125	0.136	0.134	109	107	76.0-128			1.48	20
Chlorodibromomethane	0.125	0.132	0.133	106	106	74.0-127			0.755	20
Chloroethane	0.125	0.117	0.117	93.6	93.6	61.0-134			0.000	20
Chloroform	0.125	0.131	0.122	105	97.6	72.0-123			7.11	20
Chloromethane	0.125	0.152	0.112	122	89.6	51.0-138		J3	30.3	20
2-Chlorotoluene	0.125	0.130	0.124	104	99.2	75.0-124			4.72	20
4-Chlorotoluene	0.125	0.123	0.120	98.4	96.0	75.0-124			2.47	20
1,2-Dibromo-3-Chloropropane	0.125	0.101	0.100	80.8	80.0	59.0-130			0.995	20
1,2-Dibromoethane	0.125	0.139	0.135	111	108	74.0-128			2.92	20
Dibromomethane	0.125	0.139	0.127	111	102	75.0-122			9.02	20
1,2-Dichlorobenzene	0.125	0.129	0.126	103	101	76.0-124			2.35	20
1,3-Dichlorobenzene	0.125	0.125	0.123	100	98.4	76.0-125			1.61	20
1,4-Dichlorobenzene	0.125	0.123	0.122	98.4	97.6	77.0-121			0.816	20
Dichlorodifluoromethane	0.125	0.154	0.119	123	95.2	43.0-156		J3	25.6	20
1,1-Dichloroethane	0.125	0.136	0.132	109	106	70.0-127			2.99	20
1,2-Dichloroethane	0.125	0.120	0.112	96.0	89.6	65.0-131			6.90	20
1,1-Dichloroethene	0.125	0.127	0.128	102	102	65.0-131			0.784	20
cis-1,2-Dichloroethene	0.125	0.144	0.136	115	109	73.0-125			5.71	20
trans-1,2-Dichloroethene	0.125	0.141	0.138	113	110	71.0-125			2.15	20
1,2-Dichloropropane	0.125	0.139	0.140	111	112	74.0-125			0.717	20
1,1-Dichloropropene	0.125	0.129	0.134	103	107	73.0-125			3.80	20
1,3-Dichloropropane	0.125	0.135	0.134	108	107	80.0-125			0.743	20
cis-1,3-Dichloropropene	0.125	0.155	0.147	124	118	76.0-127			5.30	20
trans-1,3-Dichloropropene	0.125	0.138	0.131	110	105	73.0-127			5.20	20
2,2-Dichloropropane	0.125	0.142	0.137	114	110	59.0-135			3.58	20
Di-isopropyl ether	0.125	0.136	0.137	109	110	60.0-136			0.733	20
Ethylbenzene	0.125	0.132	0.131	106	105	74.0-126			0.760	20
Hexachloro-1,3-butadiene	0.125	0.126	0.132	101	106	57.0-150			4.65	20
Isopropylbenzene	0.125	0.137	0.139	110	111	72.0-127			1.45	20
p-Isopropyltoluene	0.125	0.131	0.131	105	105	72.0-133			0.000	20
2-Butanone (MEK)	0.625	0.615	0.670	98.4	107	30.0-160			8.56	24
Methylene Chloride	0.125	0.135	0.129	108	103	68.0-123			4.55	20
4-Methyl-2-pentanone (MIBK)	0.625	0.653	0.673	104	108	56.0-143			3.02	20
Methyl tert-butyl ether	0.125	0.132	0.129	106	103	66.0-132			2.30	20
Naphthalene	0.125	0.115	0.119	92.0	95.2	59.0-130			3.42	20
n-Propylbenzene	0.125	0.123	0.124	98.4	99.2	74.0-126			0.810	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022611-1 01/11/24 18:50 • (LCSD) R4022611-2 01/11/24 19:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Styrene	0.125	0.131	0.133	105	106	72.0-127			1.52	20
1,1,1,2-Tetrachloroethane	0.125	0.127	0.127	102	102	74.0-129			0.000	20
1,1,2,2-Tetrachloroethane	0.125	0.125	0.118	100	94.4	68.0-128			5.76	20
Tetrachloroethene	0.125	0.128	0.133	102	106	70.0-136			3.83	20
Toluene	0.125	0.129	0.127	103	102	75.0-121			1.56	20
1,2,3-Trichlorobenzene	0.125	0.102	0.113	81.6	90.4	59.0-139			10.2	20
1,2,4-Trichlorobenzene	0.125	0.110	0.107	88.0	85.6	62.0-137			2.76	20
1,1,1-Trichloroethane	0.125	0.130	0.128	104	102	69.0-126			1.55	20
1,1,2-Trichloroethane	0.125	0.133	0.129	106	103	78.0-123			3.05	20
Trichloroethene	0.125	0.135	0.135	108	108	76.0-126			0.000	20
Trichlorofluoromethane	0.125	0.119	0.118	95.2	94.4	61.0-142			0.844	20
1,2,3-Trichloropropane	0.125	0.123	0.116	98.4	92.8	67.0-129			5.86	20
1,2,4-Trimethylbenzene	0.125	0.127	0.126	102	101	70.0-126			0.791	20
1,3,5-Trimethylbenzene	0.125	0.128	0.127	102	102	73.0-127			0.784	20
Vinyl chloride	0.125	0.141	0.118	113	94.4	63.0-134			17.8	20
Xylenes, Total	0.375	0.402	0.408	107	109	72.0-127			1.48	20
<i>(S) Toluene-d8</i>				99.5	98.8	75.0-131				
<i>(S) 4-Bromofluorobenzene</i>				108	108	67.0-138				
<i>(S) 1,2-Dichloroethane-d4</i>				94.0	86.8	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022923-3 01/12/24 22:50

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	0.00280		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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

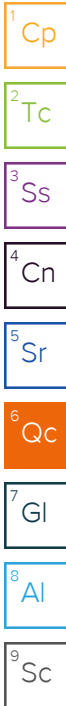
⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022923-3 01/12/24 22:50

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	99.4			75.0-131
(S) 4-Bromofluorobenzene	104			67.0-138
(S) 1,2-Dichloroethane-d4	102			70.0-130



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022923-1 01/12/24 21:10 • (LCSD) R4022923-2 01/12/24 21:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.521	0.553	83.4	88.5	10.0-160			5.96	31
Acrylonitrile	0.625	0.829	0.916	133	147	45.0-153			9.97	22
Benzene	0.125	0.137	0.150	110	120	70.0-123			9.06	20
Bromobenzene	0.125	0.120	0.133	96.0	106	73.0-121			10.3	20
Bromodichloromethane	0.125	0.127	0.134	102	107	73.0-121			5.36	20
Bromoform	0.125	0.0999	0.113	79.9	90.4	64.0-132			12.3	20
Bromomethane	0.125	0.114	0.130	91.2	104	56.0-147			13.1	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022923-1 01/12/24 21:10 • (LCSD) R4022923-2 01/12/24 21:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.101	0.118	80.8	94.4	68.0-135			15.5	20
sec-Butylbenzene	0.125	0.110	0.124	88.0	99.2	74.0-130			12.0	20
tert-Butylbenzene	0.125	0.113	0.128	90.4	102	75.0-127			12.4	20
Carbon tetrachloride	0.125	0.134	0.139	107	111	66.0-128			3.66	20
Chlorobenzene	0.125	0.120	0.130	96.0	104	76.0-128			8.00	20
Chlorodibromomethane	0.125	0.118	0.134	94.4	107	74.0-127			12.7	20
Chloroethane	0.125	0.138	0.129	110	103	61.0-134			6.74	20
Chloroform	0.125	0.127	0.138	102	110	72.0-123			8.30	20
Chloromethane	0.125	0.163	0.176	130	141	51.0-138		J4	7.67	20
2-Chlorotoluene	0.125	0.114	0.127	91.2	102	75.0-124			10.8	20
4-Chlorotoluene	0.125	0.120	0.133	96.0	106	75.0-124			10.3	20
1,2-Dibromo-3-Chloropropane	0.125	0.105	0.118	84.0	94.4	59.0-130			11.7	20
1,2-Dibromoethane	0.125	0.125	0.133	100	106	74.0-128			6.20	20
Dibromomethane	0.125	0.127	0.144	102	115	75.0-122			12.5	20
1,2-Dichlorobenzene	0.125	0.117	0.131	93.6	105	76.0-124			11.3	20
1,3-Dichlorobenzene	0.125	0.115	0.124	92.0	99.2	76.0-125			7.53	20
1,4-Dichlorobenzene	0.125	0.117	0.131	93.6	105	77.0-121			11.3	20
Dichlorodifluoromethane	0.125	0.131	0.140	105	112	43.0-156			6.64	20
1,1-Dichloroethane	0.125	0.139	0.152	111	122	70.0-127			8.93	20
1,2-Dichloroethane	0.125	0.139	0.155	111	124	65.0-131			10.9	20
1,1-Dichloroethene	0.125	0.142	0.153	114	122	65.0-131			7.46	20
cis-1,2-Dichloroethene	0.125	0.129	0.137	103	110	73.0-125			6.02	20
trans-1,2-Dichloroethene	0.125	0.131	0.139	105	111	71.0-125			5.93	20
1,2-Dichloropropane	0.125	0.141	0.153	113	122	74.0-125			8.16	20
1,1-Dichloropropene	0.125	0.149	0.156	119	125	73.0-125			4.59	20
1,3-Dichloropropane	0.125	0.131	0.142	105	114	80.0-125			8.06	20
cis-1,3-Dichloropropene	0.125	0.121	0.138	96.8	110	76.0-127			13.1	20
trans-1,3-Dichloropropene	0.125	0.124	0.139	99.2	111	73.0-127			11.4	20
2,2-Dichloropropane	0.125	0.137	0.147	110	118	59.0-135			7.04	20
Di-isopropyl ether	0.125	0.135	0.143	108	114	60.0-136			5.76	20
Ethylbenzene	0.125	0.129	0.136	103	109	74.0-126			5.28	20
Hexachloro-1,3-butadiene	0.125	0.0926	0.110	74.1	88.0	57.0-150			17.2	20
Isopropylbenzene	0.125	0.116	0.129	92.8	103	72.0-127			10.6	20
p-Isopropyltoluene	0.125	0.107	0.121	85.6	96.8	72.0-133			12.3	20
2-Butanone (MEK)	0.625	0.704	0.738	113	118	30.0-160			4.72	24
Methylene Chloride	0.125	0.134	0.148	107	118	68.0-123			9.93	20
4-Methyl-2-pentanone (MIBK)	0.625	0.692	0.754	111	121	56.0-143			8.58	20
Methyl tert-butyl ether	0.125	0.128	0.139	102	111	66.0-132			8.24	20
Naphthalene	0.125	0.0931	0.112	74.5	89.6	59.0-130			18.4	20
n-Propylbenzene	0.125	0.120	0.137	96.0	110	74.0-126			13.2	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4022923-1 01/12/24 21:10 • (LCSD) R4022923-2 01/12/24 21:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Styrene	0.125	0.116	0.120	92.8	96.0	72.0-127			3.39	20
1,1,1,2-Tetrachloroethane	0.125	0.115	0.127	92.0	102	74.0-129			9.92	20
1,1,2,2-Tetrachloroethane	0.125	0.112	0.128	89.6	102	68.0-128			13.3	20
Tetrachloroethene	0.125	0.120	0.128	96.0	102	70.0-136			6.45	20
Toluene	0.125	0.120	0.129	96.0	103	75.0-121			7.23	20
1,2,3-Trichlorobenzene	0.125	0.0886	0.111	70.9	88.8	59.0-139		J3	22.4	20
1,2,4-Trichlorobenzene	0.125	0.0968	0.110	77.4	88.0	62.0-137			12.8	20
1,1,1-Trichloroethane	0.125	0.138	0.138	110	110	69.0-126			0.000	20
1,1,2-Trichloroethane	0.125	0.120	0.126	96.0	101	78.0-123			4.88	20
Trichloroethene	0.125	0.139	0.155	111	124	76.0-126			10.9	20
Trichlorofluoromethane	0.125	0.119	0.140	95.2	112	61.0-142			16.2	20
1,2,3-Trichloropropane	0.125	0.125	0.144	100	115	67.0-129			14.1	20
1,2,4-Trimethylbenzene	0.125	0.109	0.123	87.2	98.4	70.0-126			12.1	20
1,3,5-Trimethylbenzene	0.125	0.108	0.123	86.4	98.4	73.0-127			13.0	20
Vinyl chloride	0.125	0.145	0.157	116	126	63.0-134			7.95	20
Xylenes, Total	0.375	0.360	0.387	96.0	103	72.0-127			7.23	20
(S) Toluene-d8				99.4	99.6	75.0-131				
(S) 4-Bromofluorobenzene				104	106	67.0-138				
(S) 1,2-Dichloroethane-d4				105	108	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024250-2 01/11/24 12:09

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4024250-2 01/11/24 12:09

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	61.9			12.0-120
(S) Phenol-d5	56.0			10.0-120
(S) Nitrobenzene-d5	59.5			10.0-122
(S) 2-Fluorobiphenyl	63.4			15.0-120
(S) 2,4,6-Tribromophenol	65.3			10.0-127
(S) p-Terphenyl-d14	71.8			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4024250-1 01/11/24 11:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.458	68.8	38.0-120	
Acenaphthylene	0.666	0.476	71.5	40.0-120	
Anthracene	0.666	0.508	76.3	42.0-120	
Benzidine	1.33	0.291	21.9	10.0-120	
Benzo(a)anthracene	0.666	0.557	83.6	44.0-120	
Benzo(b)fluoranthene	0.666	0.514	77.2	43.0-120	
Benzo(k)fluoranthene	0.666	0.481	72.2	44.0-120	
Benzo(g,h,i)perylene	0.666	0.517	77.6	43.0-120	
Benzo(a)pyrene	0.666	0.518	77.8	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.370	55.6	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.521	78.2	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.431	64.7	23.0-120	
4-Bromophenyl-phenylether	0.666	0.521	78.2	40.0-120	
2-Chloronaphthalene	0.666	0.458	68.8	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4024250-1 01/11/24 11:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.503	75.5	40.0-120	
Chrysene	0.666	0.518	77.8	43.0-120	
Dibenz(a,h)anthracene	0.666	0.526	79.0	44.0-120	
3,3-Dichlorobenzidine	1.33	0.976	73.4	28.0-120	
2,4-Dinitrotoluene	0.666	0.544	81.7	45.0-120	
2,6-Dinitrotoluene	0.666	0.530	79.6	42.0-120	
Fluoranthene	0.666	0.526	79.0	44.0-120	
Fluorene	0.666	0.483	72.5	41.0-120	
Hexachlorobenzene	0.666	0.508	76.3	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.443	66.5	15.0-120	
Hexachlorocyclopentadiene	0.666	0.404	60.7	15.0-120	
Hexachloroethane	0.666	0.404	60.7	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.508	76.3	45.0-120	
Isophorone	0.666	0.369	55.4	23.0-120	
Naphthalene	0.666	0.377	56.6	18.0-120	
Nitrobenzene	0.666	0.370	55.6	17.0-120	
n-Nitrosodimethylamine	0.666	0.352	52.9	10.0-125	
n-Nitrosodiphenylamine	0.666	0.492	73.9	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.423	63.5	26.0-120	
Phenanthrene	0.666	0.480	72.1	42.0-120	
Benzylbutyl phthalate	0.666	0.572	85.9	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.583	87.5	41.0-120	
Di-n-butyl phthalate	0.666	0.536	80.5	43.0-120	
Diethyl phthalate	0.666	0.502	75.4	43.0-120	
Dimethyl phthalate	0.666	0.520	78.1	43.0-120	
Di-n-octyl phthalate	0.666	0.605	90.8	40.0-120	
Pyrene	0.666	0.538	80.8	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.417	62.6	17.0-120	
4-Chloro-3-methylphenol	0.666	0.443	66.5	28.0-120	
2-Chlorophenol	0.666	0.471	70.7	28.0-120	
2,4-Dichlorophenol	0.666	0.440	66.1	25.0-120	
2,4-Dimethylphenol	0.666	0.496	74.5	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.525	78.8	16.0-120	
2,4-Dinitrophenol	0.666	0.456	68.5	10.0-120	
2-Nitrophenol	0.666	0.460	69.1	20.0-120	
4-Nitrophenol	0.666	0.461	69.2	27.0-120	
Pentachlorophenol	0.666	0.490	73.6	29.0-120	
Phenol	0.666	0.425	63.8	28.0-120	
2,4,6-Trichlorophenol	0.666	0.509	76.4	37.0-120	
(S) 2-Fluorophenol			73.3	12.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4024250-1 01/11/24 11:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			65.8	10.0-120	
(S) Nitrobenzene-d5			57.7	10.0-122	
(S) 2-Fluorobiphenyl			73.3	15.0-120	
(S) 2,4,6-Tribromophenol			82.9	10.0-127	
(S) p-Terphenyl-d14			83.5	10.0-120	

L1694719-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694719-06 01/11/24 15:22 • (MS) R4024250-3 01/11/24 15:46 • (MSD) R4024250-4 01/11/24 16:10

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	0.729	ND	0.369	0.392	50.6	53.0	1	18.0-120			6.13	32
Acenaphthylene	0.729	ND	0.377	0.395	51.7	53.5	1	25.0-120			4.89	32
Anthracene	0.729	ND	0.387	0.410	53.0	55.4	1	22.0-120			5.86	29
Benzidine	1.46	ND	ND	ND	13.6	19.2	1	10.0-120			35.6	40
Benzo(a)anthracene	0.729	ND	0.420	0.441	57.6	59.6	1	25.0-120			4.90	29
Benzo(b)fluoranthene	0.729	ND	0.404	0.428	55.5	57.8	1	19.0-122			5.61	31
Benzo(k)fluoranthene	0.729	ND	0.370	0.393	50.8	53.2	1	23.0-120			6.11	30
Benzo(g,h,i)perylene	0.729	ND	0.399	0.413	54.7	55.9	1	10.0-120			3.56	33
Benzo(a)pyrene	0.729	ND	0.395	0.423	54.3	57.2	1	24.0-120			6.78	30
Bis(2-chloroethoxy)methane	0.729	ND	ND	ND	42.2	45.0	1	10.0-120			7.97	34
Bis(2-chloroethyl)ether	0.729	ND	0.414	0.428	56.9	57.8	1	10.0-120			3.17	40
2,2-Oxybis(1-Chloropropane)	0.729	ND	ND	ND	44.8	47.9	1	10.0-120			8.16	40
4-Bromophenyl-phenylether	0.729	ND	0.395	0.421	54.3	56.9	1	27.0-120			6.26	30
2-Chloronaphthalene	0.729	ND	0.360	0.383	49.4	51.8	1	20.0-120			6.28	32
4-Chlorophenyl-phenylether	0.729	ND	0.393	0.428	54.0	57.8	1	24.0-120			8.39	29
Chrysene	0.729	ND	0.398	0.419	54.6	56.6	1	21.0-120			5.17	29
Dibenz(a,h)anthracene	0.729	ND	0.401	0.424	55.0	57.4	1	10.0-120			5.65	32
3,3-Dichlorobenzidine	1.46	ND	0.679	0.773	46.6	52.3	1	10.0-120			13.0	34
2,4-Dinitrotoluene	0.729	ND	0.422	0.455	57.9	61.6	1	30.0-120			7.59	31
2,6-Dinitrotoluene	0.729	ND	0.397	0.434	54.4	58.7	1	25.0-120			9.09	31
Fluoranthene	0.729	ND	0.403	0.431	55.3	58.3	1	18.0-126			6.66	32
Fluorene	0.729	ND	0.381	0.408	52.3	55.1	1	25.0-120			6.76	30
Hexachlorobenzene	0.729	ND	0.391	0.415	53.7	56.2	1	27.0-120			6.06	28
Hexachloro-1,3-butadiene	0.729	ND	ND	0.384	50.2	52.0	1	10.0-120			5.04	38
Hexachlorocyclopentadiene	0.729	ND	ND	ND	38.0	38.9	1	10.0-120			3.94	40
Hexachloroethane	0.729	ND	ND	ND	43.9	44.3	1	10.0-120			2.40	40
Indeno(1,2,3-cd)pyrene	0.729	ND	0.390	0.403	53.5	54.5	1	10.0-120			3.36	32
Isophorone	0.729	ND	ND	ND	41.9	44.1	1	13.0-120			6.68	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1694719-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694719-06 01/11/24 15:22 • (MS) R4024250-3 01/11/24 15:46 • (MSD) R4024250-4 01/11/24 16:10

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	0.729	ND	0.319	0.330	43.8	44.6	1	10.0-120			3.42	35
Nitrobenzene	0.729	ND	ND	ND	41.3	43.8	1	10.0-120			7.46	36
n-Nitrosodimethylamine	0.729	ND	ND	ND	37.5	35.0	1	10.0-127			5.43	40
n-Nitrosodiphenylamine	0.729	ND	ND	0.405	50.2	54.8	1	17.0-120			10.4	29
n-Nitrosodi-n-propylamine	0.729	ND	ND	ND	47.7	48.6	1	10.0-120			3.45	37
Phenanthrene	0.729	ND	0.373	0.399	51.2	53.9	1	17.0-120			6.62	31
Benzylbutyl phthalate	0.729	ND	0.444	0.465	61.0	62.9	1	23.0-120			4.64	30
Bis(2-ethylhexyl)phthalate	0.729	ND	0.445	0.472	61.1	63.8	1	17.0-126			5.81	30
Di-n-butyl phthalate	0.729	ND	0.415	0.444	57.0	60.1	1	30.0-120			6.72	29
Diethyl phthalate	0.729	ND	0.399	0.422	54.7	57.1	1	26.0-120			5.68	28
Dimethyl phthalate	0.729	ND	0.404	0.435	55.5	58.9	1	25.0-120			7.41	29
Di-n-octyl phthalate	0.729	ND	0.468	0.493	64.2	66.7	1	21.0-123			5.32	29
Pyrene	0.729	ND	0.418	0.439	57.3	59.3	1	16.0-121			4.93	32
1,2,4-Trichlorobenzene	0.729	ND	ND	0.371	47.6	50.2	1	12.0-120			6.81	37
4-Chloro-3-methylphenol	0.729	ND	ND	0.391	49.7	52.9	1	15.0-120			7.67	30
2-Chlorophenol	0.729	ND	ND	0.383	50.3	51.8	1	15.0-120			4.44	37
2,4-Dichlorophenol	0.729	ND	0.372	0.394	51.1	53.3	1	20.0-120			5.80	31
2,4-Dimethylphenol	0.729	ND	0.404	0.447	55.5	60.4	1	10.0-120			9.92	33
4,6-Dinitro-2-methylphenol	0.729	ND	0.410	0.448	56.2	60.5	1	10.0-120			8.81	39
2,4-Dinitrophenol	0.729	ND	0.423	0.430	58.1	58.1	1	10.0-121			1.56	40
2-Nitrophenol	0.729	ND	0.374	0.397	51.4	53.6	1	12.0-120			5.76	39
4-Nitrophenol	0.729	ND	ND	0.401	50.3	54.2	1	10.0-137			8.97	32
Pentachlorophenol	0.729	ND	0.421	0.444	57.8	60.1	1	10.0-160			5.39	31
Phenol	0.729	ND	ND	0.385	50.5	52.1	1	12.0-120			4.72	38
2,4,6-Trichlorophenol	0.729	ND	0.417	0.441	57.2	59.6	1	19.0-120			5.70	32
(S) 2-Fluorophenol					49.4	52.0		12.0-120				
(S) Phenol-d5					44.7	46.2		10.0-120				
(S) Nitrobenzene-d5					41.5	44.1		10.0-122				
(S) 2-Fluorobiphenyl					50.0	53.8		15.0-120				
(S) 2,4,6-Tribromophenol					55.6	61.4		10.0-127				
(S) p-Terphenyl-d14					56.7	59.5		10.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023695-2 01/11/24 15:37

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023695-2 01/11/24 15:37

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	72.8			12.0-120
(S) Phenol-d5	71.6			10.0-120
(S) Nitrobenzene-d5	66.1			10.0-122
(S) 2-Fluorobiphenyl	64.9			15.0-120
(S) 2,4,6-Tribromophenol	62.3			10.0-127
(S) p-Terphenyl-d14	76.9			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4023695-1 01/11/24 15:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.452	67.9	38.0-120	
Acenaphthylene	0.666	0.469	70.4	40.0-120	
Anthracene	0.666	0.512	76.9	42.0-120	
Benzidine	1.33	0.435	32.7	10.0-120	
Benzo(a)anthracene	0.666	0.522	78.4	44.0-120	
Benzo(b)fluoranthene	0.666	0.504	75.7	43.0-120	
Benzo(k)fluoranthene	0.666	0.488	73.3	44.0-120	
Benzo(g,h,i)perylene	0.666	0.554	83.2	43.0-120	
Benzo(a)pyrene	0.666	0.511	76.7	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.390	58.6	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.479	71.9	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.438	65.8	23.0-120	
4-Bromophenyl-phenylether	0.666	0.457	68.6	40.0-120	
2-Chloronaphthalene	0.666	0.451	67.7	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4023695-1 01/11/24 15:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.457	68.6	40.0-120	
Chrysene	0.666	0.497	74.6	43.0-120	
Dibenz(a,h)anthracene	0.666	0.519	77.9	44.0-120	
3,3-Dichlorobenzidine	1.33	0.896	67.4	28.0-120	
2,4-Dinitrotoluene	0.666	0.561	84.2	45.0-120	
2,6-Dinitrotoluene	0.666	0.511	76.7	42.0-120	
Fluoranthene	0.666	0.496	74.5	44.0-120	
Fluorene	0.666	0.474	71.2	41.0-120	
Hexachlorobenzene	0.666	0.443	66.5	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.346	52.0	15.0-120	
Hexachlorocyclopentadiene	0.666	0.474	71.2	15.0-120	
Hexachloroethane	0.666	0.417	62.6	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.479	71.9	45.0-120	
Isophorone	0.666	0.412	61.9	23.0-120	
Naphthalene	0.666	0.376	56.5	18.0-120	
Nitrobenzene	0.666	0.410	61.6	17.0-120	
n-Nitrosodimethylamine	0.666	0.366	55.0	10.0-125	
n-Nitrosodiphenylamine	0.666	0.488	73.3	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.499	74.9	26.0-120	
Phenanthrene	0.666	0.490	73.6	42.0-120	
Benzylbutyl phthalate	0.666	0.575	86.3	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.589	88.4	41.0-120	
Di-n-butyl phthalate	0.666	0.532	79.9	43.0-120	
Diethyl phthalate	0.666	0.501	75.2	43.0-120	
Dimethyl phthalate	0.666	0.499	74.9	43.0-120	
Di-n-octyl phthalate	0.666	0.601	90.2	40.0-120	
Pyrene	0.666	0.523	78.5	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.353	53.0	17.0-120	
4-Chloro-3-methylphenol	0.666	0.419	62.9	28.0-120	
2-Chlorophenol	0.666	0.470	70.6	28.0-120	
2,4-Dichlorophenol	0.666	0.379	56.9	25.0-120	
2,4-Dimethylphenol	0.666	0.629	94.4	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.499	74.9	16.0-120	
2,4-Dinitrophenol	0.666	0.380	57.1	10.0-120	
2-Nitrophenol	0.666	0.407	61.1	20.0-120	
4-Nitrophenol	0.666	0.503	75.5	27.0-120	
Pentachlorophenol	0.666	0.404	60.7	29.0-120	
Phenol	0.666	0.462	69.4	28.0-120	
2,4,6-Trichlorophenol	0.666	0.440	66.1	37.0-120	
<i>(S) 2-Fluorophenol</i>			74.0	12.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4023695-1 01/11/24 15:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			71.5	10.0-120	
(S) Nitrobenzene-d5			55.9	10.0-122	
(S) 2-Fluorobiphenyl			67.9	15.0-120	
(S) 2,4,6-Tribromophenol			63.1	10.0-127	
(S) p-Terphenyl-d14			76.3	10.0-120	

L1694722-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694722-05 01/11/24 17:15 • (MS) R4023695-3 01/11/24 17:40 • (MSD) R4023695-4 01/11/24 18:04

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	0.761	ND	0.427	0.409	56.1	53.4	1	18.0-120			4.26	32
Acenaphthylene	0.761	ND	0.440	0.427	57.8	55.7	1	25.0-120			3.01	32
Anthracene	0.761	ND	0.470	0.455	61.8	59.4	1	22.0-120			3.33	29
Benzidine	1.52	ND	ND	ND	59.9	59.5	1	10.0-120			0.000	40
Benzo(a)anthracene	0.761	ND	0.473	0.464	62.1	60.7	1	25.0-120			1.77	29
Benzo(b)fluoranthene	0.761	ND	0.453	0.430	59.5	56.2	1	19.0-122			5.10	31
Benzo(k)fluoranthene	0.761	ND	0.427	0.396	56.1	51.7	1	23.0-120			7.49	30
Benzo(g,h,i)perylene	0.761	ND	0.501	0.427	65.9	55.7	1	10.0-120			16.1	33
Benzo(a)pyrene	0.761	ND	0.455	0.421	59.8	55.0	1	24.0-120			7.85	30
Bis(2-chlorethoxy)methane	0.761	ND	ND	ND	50.8	48.5	1	10.0-120			4.07	34
Bis(2-chloroethyl)ether	0.761	ND	0.431	0.431	56.7	56.3	1	10.0-120			0.000	40
2,2-Oxybis(1-Chloropropane)	0.761	ND	ND	ND	51.7	50.8	1	10.0-120			1.21	40
4-Bromophenyl-phenylether	0.761	ND	0.412	0.415	54.2	54.2	1	27.0-120			0.573	30
2-Chloronaphthalene	0.761	ND	0.423	0.409	55.6	53.4	1	20.0-120			3.42	32
4-Chlorophenyl-phenylether	0.761	ND	0.435	0.421	57.2	55.0	1	24.0-120			3.32	29
Chrysene	0.761	ND	0.450	0.440	59.2	57.4	1	21.0-120			2.40	29
Dibenz(a,h)anthracene	0.761	ND	0.462	0.437	60.7	57.1	1	10.0-120			5.53	32
3,3-Dichlorobenzidine	1.52	ND	0.845	0.825	55.7	54.0	1	10.0-120			2.41	34
2,4-Dinitrotoluene	0.761	ND	0.514	0.508	67.6	66.4	1	30.0-120			1.16	31
2,6-Dinitrotoluene	0.761	ND	0.469	0.463	61.7	60.5	1	25.0-120			1.27	31
Fluoranthene	0.761	ND	0.449	0.438	59.0	57.3	1	18.0-126			2.40	32
Fluorene	0.761	ND	0.448	0.434	58.9	56.7	1	25.0-120			3.23	30
Hexachlorobenzene	0.761	ND	0.411	0.395	54.0	51.5	1	27.0-120			4.12	28
Hexachloro-1,3-butadiene	0.761	ND	ND	ND	44.2	43.0	1	10.0-120			2.14	38
Hexachlorocyclopentadiene	0.761	ND	0.428	0.434	56.2	56.7	1	10.0-120			1.38	40
Hexachloroethane	0.761	ND	ND	ND	50.3	50.8	1	10.0-120			1.54	40
Indeno(1,2,3-cd)pyrene	0.761	ND	0.431	0.404	56.7	52.8	1	10.0-120			6.52	32
Isophorone	0.761	ND	0.398	ND	52.3	50.3	1	13.0-120			3.33	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1694722-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694722-05 01/11/24 17:15 • (MS) R4023695-3 01/11/24 17:40 • (MSD) R4023695-4 01/11/24 18:04

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	0.761	ND	0.357	0.354	46.9	46.3	1	10.0-120			0.667	35
Nitrobenzene	0.761	ND	ND	ND	50.3	49.4	1	10.0-120			1.25	36
n-Nitrosodimethylamine	0.761	ND	ND	ND	35.2	44.0	1	10.0-127			22.7	40
n-Nitrosodiphenylamine	0.761	ND	0.461	0.444	60.6	58.0	1	17.0-120			3.66	29
n-Nitrosodi-n-propylamine	0.761	ND	0.451	0.464	59.3	60.7	1	10.0-120			2.85	37
Phenanthrene	0.761	ND	0.453	0.443	59.5	57.9	1	17.0-120			2.12	31
Benzylbutyl phthalate	0.761	ND	0.519	0.534	68.2	69.8	1	23.0-120			2.92	30
Bis(2-ethylhexyl)phthalate	0.761	ND	0.527	0.480	69.3	62.7	1	17.0-126			9.41	30
Di-n-butyl phthalate	0.761	ND	0.479	0.461	62.9	60.2	1	30.0-120			3.78	29
Diethyl phthalate	0.761	ND	0.462	0.453	60.7	59.1	1	26.0-120			2.07	28
Dimethyl phthalate	0.761	ND	0.467	0.455	61.4	59.4	1	25.0-120			2.57	29
Di-n-octyl phthalate	0.761	ND	0.537	0.512	70.6	66.9	1	21.0-123			4.75	29
Pyrene	0.761	ND	0.485	0.505	63.7	65.9	1	16.0-121			4.07	32
1,2,4-Trichlorobenzene	0.761	ND	ND	ND	44.5	43.7	1	12.0-120			1.41	37
4-Chloro-3-methylphenol	0.761	ND	0.400	ND	52.6	50.0	1	15.0-120			4.54	30
2-Chlorophenol	0.761	ND	0.434	0.436	57.0	57.0	1	15.0-120			0.545	37
2,4-Dichlorophenol	0.761	ND	ND	ND	47.2	47.4	1	20.0-120			0.985	31
2,4-Dimethylphenol	0.761	ND	0.613	0.594	80.5	77.6	1	10.0-120			3.14	33
4,6-Dinitro-2-methylphenol	0.761	ND	0.462	ND	60.7	51.1	1	10.0-120			16.7	39
2,4-Dinitrophenol	0.761	ND	ND	ND	48.9	33.9	1	10.0-121			35.6	40
2-Nitrophenol	0.761	ND	ND	ND	51.2	50.2	1	12.0-120			1.53	39
4-Nitrophenol	0.761	ND	0.486	0.461	63.9	60.2	1	10.0-137			5.26	32
Pentachlorophenol	0.761	ND	ND	ND	51.6	47.7	1	10.0-160			7.20	31
Phenol	0.761	ND	0.425	0.416	55.9	54.3	1	12.0-120			2.25	38
2,4,6-Trichlorophenol	0.761	ND	0.422	0.409	55.5	53.4	1	19.0-120			3.14	32
(S) 2-Fluorophenol					57.9	59.8		12.0-120				
(S) Phenol-d5					57.2	57.9		10.0-120				
(S) Nitrobenzene-d5					47.0	46.1		10.0-122				
(S) 2-Fluorobiphenyl					55.1	54.2		15.0-120				
(S) 2,4,6-Tribromophenol					52.8	51.1		10.0-127				
(S) p-Terphenyl-d14					61.1	64.4		10.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
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.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.



GLOSSARY OF TERMS

Qualifier	Description
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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	LA000356
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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.com)
 Email To: jpaul@smeinc.com

Report to:
Mr. Jerry Paul

Project Description:
Northgate Park

City/State Collected: **Durham, NC**

Please Circle: PT MT CT **ET**

Analysis / Container / Preservative

Chain of Custody Page 1 of 1



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: <http://info.pacelabs.com/hubs/pas-standard-terms.pdf>

Client Project # **23050630**

Lab Project # **SMERLNC-NORTHGATE**

Site/Facility ID #

P.O. #

Collected by (signature): **CP**

Rush? (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Date Results Needed

No. of Cntrs

SDG # **11694721**
C020

Acctnum: **SMERLNC**
 Template: **T243915**
 Prelogin: **P1044755**
 PM: **034 - Craig Cothron**
 PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	Metals 20zClr-NoPres	SPLP/TCLP-GOLD-4ozClr-NoPres	SV8270, TS 4ozClr-NoPres	V8250 40miAmb-HCl-Blk	V8250 40miAmb/MeOH10ml/Syr	SVOCS 8270	18 Metals 6020	Mercury 7471	Hex-Chrom. 7199	Remarks	Sample # (lab only)
825-SB-130		SS		1/8/24	1015	4	X	X	X	X	X	X	X	X	X		-01
825-SB-131		SS			1020	4	X	X	X	X	X	X	X	X	X		-02
825-SB-132		SS			1025	4	X	X	X	X	X	X	X	X	X		-03
825-SB-133		SS			1105	4	X	X	X	X	X	X	X	X	X		-04
825-SB-134		SS			1110	4	X	X	X	X	X	X	X	X	X		-05
825-SB-135		SS			1120	4	X	X	X	X	X	X	X	X	X		-06
825-SB-136		SS			1125	4	X	X	X	X	X	X	X	X	X		-07
825-SB-137		SS			1030	4	X	X	X	X	X	X	X	X	X		-08
825-SB-138		SS			1140	4	X	X	X	X	X	X	X	X	X		-09
Trip Blank		SS				4	X	X	X	X	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: **SPLP/TCLP on hold**

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via: UPS FedEx Courier

Tracking # **7155 0298 2312**

Relinquished by: (Signature) **CP** Date: **1/8/24** Time: **1630**

Received by: (Signature) _____ Trip Blank Received: Yes No
 HCL/MeOH TBR

Temp: _____ °C Bottles Received: **32**

Relinquished by: (Signature) _____ Date: _____ Time: _____

Received by lab by: (Signature) **Tasey Mc...** Date: **1/9/24** Time: **0930**

Hold: _____ Condition: **OK**

Sample Receipt Checklist:
 Original Present/Intact: Y N
 Assigned/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Correct volume sent: Y N
 If Applicable:
 Volume to Headspace: Y N
 Preservation Correct/Checked: Y N
 Rad screen <0.5 mR/hr: Y N

S&ME Inc. - Raleigh NC

Sample Delivery Group: L1696142
Samples Received: 01/12/2024
Project Number: 23050630
Description: Northgate Park

Report To: Mr. Jerry Paul
3201 Spring Forest Road
Raleigh, NC 27616

Entire Report Reviewed By:



Craig Cothron
Project Manager

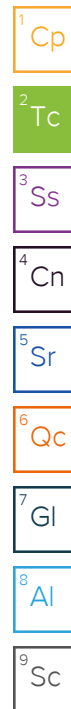
Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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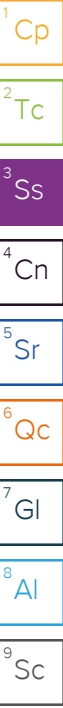


SAMPLE SUMMARY

825-SB-19 L1696142-01 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 15:40
 Received date/time 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207403	1	01/16/24 08:16	01/16/24 08:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208078	1	01/17/24 11:18	01/22/24 11:24	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206963	1	01/13/24 21:59	01/14/24 17:24	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207363	5	01/14/24 16:47	01/23/24 11:47	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207363	5	01/14/24 16:47	01/23/24 14:48	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207574	1	01/11/24 15:40	01/16/24 03:44	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2207116	1	01/18/24 08:39	01/18/24 20:44	JRM	Mt. Juliet, TN



825-SB-20 L1696142-02 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 15:45
 Received date/time 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207403	1	01/16/24 08:16	01/16/24 08:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208078	1	01/17/24 11:18	01/22/24 11:30	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206963	1	01/13/24 21:59	01/14/24 17:26	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207363	5	01/14/24 16:47	01/23/24 11:51	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207574	1.3	01/11/24 15:45	01/16/24 04:04	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2207116	1	01/18/24 08:39	01/18/24 21:28	JRM	Mt. Juliet, TN

825-SB-21 L1696142-03 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 15:50
 Received date/time 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207404	1	01/16/24 08:03	01/16/24 08:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208078	1	01/17/24 11:18	01/22/24 11:36	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206963	1	01/13/24 21:59	01/14/24 17:34	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207192	5	01/16/24 15:28	01/25/24 19:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207575	1	01/11/24 15:50	01/15/24 21:54	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2207116	1	01/18/24 08:39	01/18/24 20:00	JRM	Mt. Juliet, TN

825-SB-22 L1696142-04 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 15:55
 Received date/time 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207404	1	01/16/24 08:03	01/16/24 08:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208078	1	01/17/24 11:18	01/22/24 11:49	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206963	1	01/13/24 21:59	01/14/24 17:36	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207192	5	01/16/24 15:28	01/25/24 19:14	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207575	1	01/11/24 15:55	01/15/24 22:13	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208364	1	01/18/24 00:45	01/18/24 18:11	JRM	Mt. Juliet, TN

825-SB-23 L1696142-05 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 16:00
 Received date/time 01/12/24 09:00

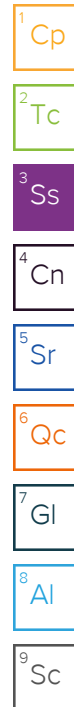
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207404	1	01/16/24 08:03	01/16/24 08:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208078	1	01/17/24 11:18	01/22/24 12:07	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206963	1	01/13/24 21:59	01/14/24 17:39	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207192	5	01/16/24 15:28	01/25/24 19:17	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207575	1.12	01/11/24 16:00	01/15/24 22:32	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208364	1	01/18/24 00:45	01/18/24 18:36	ALM	Mt. Juliet, TN

SAMPLE SUMMARY

825-SB-24 L1696142-06 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 16:05
 Received date/time 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207404	1	01/16/24 08:03	01/16/24 08:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208078	1	01/17/24 11:18	01/22/24 12:13	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206963	1	01/13/24 21:59	01/14/24 17:41	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207192	5	01/16/24 15:28	01/25/24 18:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207575	1	01/11/24 16:05	01/15/24 22:51	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208364	1	01/18/24 00:45	01/18/24 20:41	ALM	Mt. Juliet, TN



825-SB-25 L1696142-07 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 16:10
 Received date/time 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207404	1	01/16/24 08:03	01/16/24 08:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208078	1	01/17/24 11:18	01/22/24 12:44	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206963	1	01/13/24 21:59	01/14/24 17:44	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207192	5	01/16/24 15:28	01/25/24 18:20	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207575	1	01/11/24 16:10	01/15/24 23:10	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208364	1	01/18/24 00:45	01/18/24 19:01	ALM	Mt. Juliet, TN

825-SB-26 L1696142-08 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 16:15
 Received date/time 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207404	1	01/16/24 08:03	01/16/24 08:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208078	1	01/17/24 11:18	01/22/24 12:51	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206963	1	01/13/24 21:59	01/14/24 17:46	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207192	5	01/16/24 15:28	01/25/24 18:23	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208203	1	01/11/24 16:15	01/18/24 12:27	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208364	1	01/18/24 00:45	01/18/24 15:40	ALM	Mt. Juliet, TN

825-SB-27 L1696142-09 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 16:20
 Received date/time 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207404	1	01/16/24 08:03	01/16/24 08:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208078	1	01/17/24 11:18	01/22/24 12:57	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206963	1	01/13/24 21:59	01/14/24 17:49	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207191	20	01/16/24 15:29	01/25/24 22:10	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207191	5	01/16/24 15:29	01/25/24 20:57	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207191	5	01/16/24 15:29	01/26/24 00:38	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207575	1	01/11/24 16:20	01/15/24 23:30	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208364	1	01/18/24 00:45	01/18/24 19:26	ALM	Mt. Juliet, TN

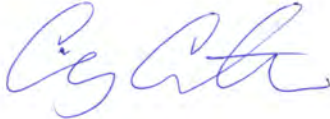
TRIP BLANK L1696142-10 GW

Collected by Chelsea Parra
 Collected date/time 01/11/24 00:00
 Received date/time 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207348	1	01/14/24 22:20	01/14/24 22:20	JCP	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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	68.9		1	01/16/2024 08:24	WG2207403

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.45	1	01/22/2024 11:24	WG2208078

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	0.0591		0.0580	1	01/14/2024 17:24	WG2206963

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		4.35	5	01/23/2024 11:47	WG2207363
Arsenic	2.71		1.45	5	01/23/2024 11:47	WG2207363
Barium	146		3.63	5	01/23/2024 11:47	WG2207363
Beryllium	ND		3.63	5	01/23/2024 11:47	WG2207363
Cadmium	ND		1.45	5	01/23/2024 11:47	WG2207363
Chromium	32.7		7.25	5	01/23/2024 11:47	WG2207363
Cobalt	12.1		1.45	5	01/23/2024 11:47	WG2207363
Copper	19.9		7.25	5	01/23/2024 11:47	WG2207363
Lead	22.2		2.90	5	01/23/2024 11:47	WG2207363
Manganese	600		3.63	5	01/23/2024 11:47	WG2207363
Nickel	16.4		3.63	5	01/23/2024 11:47	WG2207363
Selenium	ND		3.63	5	01/23/2024 11:47	WG2207363
Silver	ND		0.725	5	01/23/2024 11:47	WG2207363
Thallium	ND		2.90	5	01/23/2024 11:47	WG2207363
Vanadium	47.8		3.63	5	01/23/2024 11:47	WG2207363
Zinc	45.4		36.3	5	01/23/2024 14:48	WG2207363

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND	C3	0.0951	1	01/16/2024 03:44	WG2207574
Acrylonitrile	ND		0.0238	1	01/16/2024 03:44	WG2207574
Benzene	ND		0.00190	1	01/16/2024 03:44	WG2207574
Bromobenzene	ND		0.0238	1	01/16/2024 03:44	WG2207574
Bromodichloromethane	ND		0.00475	1	01/16/2024 03:44	WG2207574
Bromoform	ND	C3	0.0475	1	01/16/2024 03:44	WG2207574
Bromomethane	ND		0.0238	1	01/16/2024 03:44	WG2207574
n-Butylbenzene	ND		0.0238	1	01/16/2024 03:44	WG2207574
sec-Butylbenzene	ND		0.0238	1	01/16/2024 03:44	WG2207574
tert-Butylbenzene	ND		0.00951	1	01/16/2024 03:44	WG2207574
Carbon tetrachloride	ND		0.00951	1	01/16/2024 03:44	WG2207574
Chlorobenzene	ND		0.00475	1	01/16/2024 03:44	WG2207574
Chlorodibromomethane	ND		0.00475	1	01/16/2024 03:44	WG2207574
Chloroethane	ND		0.00951	1	01/16/2024 03:44	WG2207574
Chloroform	ND		0.00475	1	01/16/2024 03:44	WG2207574
Chloromethane	ND	C3	0.0238	1	01/16/2024 03:44	WG2207574
2-Chlorotoluene	ND		0.00475	1	01/16/2024 03:44	WG2207574
4-Chlorotoluene	ND	J4	0.00951	1	01/16/2024 03:44	WG2207574
1,2-Dibromo-3-Chloropropane	ND		0.0475	1	01/16/2024 03:44	WG2207574

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00475	1	01/16/2024 03:44	WG2207574
Dibromomethane	ND		0.00951	1	01/16/2024 03:44	WG2207574
1,2-Dichlorobenzene	ND		0.00951	1	01/16/2024 03:44	WG2207574
1,3-Dichlorobenzene	ND		0.00951	1	01/16/2024 03:44	WG2207574
1,4-Dichlorobenzene	ND		0.00951	1	01/16/2024 03:44	WG2207574
Dichlorodifluoromethane	ND		0.00951	1	01/16/2024 03:44	WG2207574
1,1-Dichloroethane	ND		0.00475	1	01/16/2024 03:44	WG2207574
1,2-Dichloroethane	ND		0.00475	1	01/16/2024 03:44	WG2207574
1,1-Dichloroethene	ND		0.00475	1	01/16/2024 03:44	WG2207574
cis-1,2-Dichloroethene	ND		0.00475	1	01/16/2024 03:44	WG2207574
trans-1,2-Dichloroethene	ND		0.00951	1	01/16/2024 03:44	WG2207574
1,2-Dichloropropane	ND		0.00951	1	01/16/2024 03:44	WG2207574
1,1-Dichloropropene	ND		0.00475	1	01/16/2024 03:44	WG2207574
1,3-Dichloropropane	ND		0.00951	1	01/16/2024 03:44	WG2207574
cis-1,3-Dichloropropene	ND		0.00475	1	01/16/2024 03:44	WG2207574
trans-1,3-Dichloropropene	ND		0.00951	1	01/16/2024 03:44	WG2207574
2,2-Dichloropropane	ND		0.00475	1	01/16/2024 03:44	WG2207574
Di-isopropyl ether	ND		0.00190	1	01/16/2024 03:44	WG2207574
Ethylbenzene	ND		0.00475	1	01/16/2024 03:44	WG2207574
Hexachloro-1,3-butadiene	ND		0.0475	1	01/16/2024 03:44	WG2207574
Isopropylbenzene	ND		0.00475	1	01/16/2024 03:44	WG2207574
p-Isopropyltoluene	ND		0.00951	1	01/16/2024 03:44	WG2207574
2-Butanone (MEK)	ND		0.190	1	01/16/2024 03:44	WG2207574
Methylene Chloride	ND		0.0475	1	01/16/2024 03:44	WG2207574
4-Methyl-2-pentanone (MIBK)	ND		0.0475	1	01/16/2024 03:44	WG2207574
Methyl tert-butyl ether	ND		0.00190	1	01/16/2024 03:44	WG2207574
Naphthalene	ND		0.0238	1	01/16/2024 03:44	WG2207574
n-Propylbenzene	ND	J4	0.00951	1	01/16/2024 03:44	WG2207574
Styrene	ND		0.0238	1	01/16/2024 03:44	WG2207574
1,1,1,2-Tetrachloroethane	ND		0.00475	1	01/16/2024 03:44	WG2207574
1,1,2,2-Tetrachloroethane	ND		0.00475	1	01/16/2024 03:44	WG2207574
Tetrachloroethene	ND		0.00475	1	01/16/2024 03:44	WG2207574
Toluene	ND		0.00951	1	01/16/2024 03:44	WG2207574
1,2,3-Trichlorobenzene	ND		0.0238	1	01/16/2024 03:44	WG2207574
1,2,4-Trichlorobenzene	ND		0.0238	1	01/16/2024 03:44	WG2207574
1,1,1-Trichloroethane	ND		0.00475	1	01/16/2024 03:44	WG2207574
1,1,2-Trichloroethane	ND		0.00475	1	01/16/2024 03:44	WG2207574
Trichloroethene	ND		0.00190	1	01/16/2024 03:44	WG2207574
Trichlorofluoromethane	ND		0.00475	1	01/16/2024 03:44	WG2207574
1,2,3-Trichloropropane	ND		0.0238	1	01/16/2024 03:44	WG2207574
1,2,4-Trimethylbenzene	ND		0.00951	1	01/16/2024 03:44	WG2207574
1,3,5-Trimethylbenzene	ND		0.00951	1	01/16/2024 03:44	WG2207574
Vinyl chloride	ND		0.00475	1	01/16/2024 03:44	WG2207574
Xylenes, Total	0.0139		0.0124	1	01/16/2024 03:44	WG2207574
(S) Toluene-d8	90.9		75.0-131		01/16/2024 03:44	WG2207574
(S) 4-Bromofluorobenzene	92.6		67.0-138		01/16/2024 03:44	WG2207574
(S) 1,2-Dichloroethane-d4	102		70.0-130		01/16/2024 03:44	WG2207574

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0483	1	01/18/2024 20:44	WG2207116
Acenaphthylene	ND		0.0483	1	01/18/2024 20:44	WG2207116
Anthracene	ND		0.0483	1	01/18/2024 20:44	WG2207116
Benzidine	ND		2.42	1	01/18/2024 20:44	WG2207116
Benzo(a)anthracene	ND		0.0483	1	01/18/2024 20:44	WG2207116

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0483	1	01/18/2024 20:44	WG2207116
Benzo(k)fluoranthene	ND		0.0483	1	01/18/2024 20:44	WG2207116
Benzo(g,h,i)perylene	ND		0.0483	1	01/18/2024 20:44	WG2207116
Benzo(a)pyrene	ND		0.0483	1	01/18/2024 20:44	WG2207116
Bis(2-chloroethoxy)methane	ND		0.483	1	01/18/2024 20:44	WG2207116
Bis(2-chloroethyl)ether	ND		0.483	1	01/18/2024 20:44	WG2207116
2,2-Oxybis(1-Chloropropane)	ND		0.483	1	01/18/2024 20:44	WG2207116
4-Bromophenyl-phenylether	ND		0.483	1	01/18/2024 20:44	WG2207116
2-Chloronaphthalene	ND		0.0483	1	01/18/2024 20:44	WG2207116
4-Chlorophenyl-phenylether	ND		0.483	1	01/18/2024 20:44	WG2207116
Chrysene	ND		0.0483	1	01/18/2024 20:44	WG2207116
Dibenz(a,h)anthracene	ND		0.0483	1	01/18/2024 20:44	WG2207116
3,3-Dichlorobenzidine	ND		0.483	1	01/18/2024 20:44	WG2207116
2,4-Dinitrotoluene	ND		0.483	1	01/18/2024 20:44	WG2207116
2,6-Dinitrotoluene	ND		0.483	1	01/18/2024 20:44	WG2207116
Fluoranthene	ND		0.0483	1	01/18/2024 20:44	WG2207116
Fluorene	ND		0.0483	1	01/18/2024 20:44	WG2207116
Hexachlorobenzene	ND		0.483	1	01/18/2024 20:44	WG2207116
Hexachloro-1,3-butadiene	ND		0.483	1	01/18/2024 20:44	WG2207116
Hexachlorocyclopentadiene	ND		0.483	1	01/18/2024 20:44	WG2207116
Hexachloroethane	ND		0.483	1	01/18/2024 20:44	WG2207116
Indeno(1,2,3-cd)pyrene	ND		0.0483	1	01/18/2024 20:44	WG2207116
Isophorone	ND		0.483	1	01/18/2024 20:44	WG2207116
Naphthalene	ND		0.0483	1	01/18/2024 20:44	WG2207116
Nitrobenzene	ND		0.483	1	01/18/2024 20:44	WG2207116
n-Nitrosodimethylamine	ND		0.483	1	01/18/2024 20:44	WG2207116
n-Nitrosodiphenylamine	ND		0.483	1	01/18/2024 20:44	WG2207116
n-Nitrosodi-n-propylamine	ND		0.483	1	01/18/2024 20:44	WG2207116
Phenanthrene	ND		0.0483	1	01/18/2024 20:44	WG2207116
Benzylbutyl phthalate	ND		0.483	1	01/18/2024 20:44	WG2207116
Bis(2-ethylhexyl)phthalate	ND		0.483	1	01/18/2024 20:44	WG2207116
Di-n-butyl phthalate	ND		0.483	1	01/18/2024 20:44	WG2207116
Diethyl phthalate	ND		0.483	1	01/18/2024 20:44	WG2207116
Dimethyl phthalate	ND		0.483	1	01/18/2024 20:44	WG2207116
Di-n-octyl phthalate	ND		0.483	1	01/18/2024 20:44	WG2207116
Pyrene	ND		0.0483	1	01/18/2024 20:44	WG2207116
1,2,4-Trichlorobenzene	ND		0.483	1	01/18/2024 20:44	WG2207116
4-Chloro-3-methylphenol	ND		0.483	1	01/18/2024 20:44	WG2207116
2-Chlorophenol	ND		0.483	1	01/18/2024 20:44	WG2207116
2,4-Dichlorophenol	ND		0.483	1	01/18/2024 20:44	WG2207116
2,4-Dimethylphenol	ND		0.483	1	01/18/2024 20:44	WG2207116
4,6-Dinitro-2-methylphenol	ND		0.483	1	01/18/2024 20:44	WG2207116
2,4-Dinitrophenol	ND		0.483	1	01/18/2024 20:44	WG2207116
2-Nitrophenol	ND		0.483	1	01/18/2024 20:44	WG2207116
4-Nitrophenol	ND		0.483	1	01/18/2024 20:44	WG2207116
Pentachlorophenol	ND		0.483	1	01/18/2024 20:44	WG2207116
Phenol	ND		0.483	1	01/18/2024 20:44	WG2207116
2,4,6-Trichlorophenol	ND		0.483	1	01/18/2024 20:44	WG2207116
(S) 2-Fluorophenol	53.9		12.0-120		01/18/2024 20:44	WG2207116
(S) Phenol-d5	51.3		10.0-120		01/18/2024 20:44	WG2207116
(S) Nitrobenzene-d5	62.4		10.0-122		01/18/2024 20:44	WG2207116
(S) 2-Fluorobiphenyl	50.8		15.0-120		01/18/2024 20:44	WG2207116
(S) 2,4,6-Tribromophenol	77.6		10.0-127		01/18/2024 20:44	WG2207116
(S) p-Terphenyl-d14	60.5		10.0-120		01/18/2024 20:44	WG2207116

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.0		1	01/16/2024 08:24	WG2207403

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	2.10		1.22	1	01/22/2024 11:30	WG2208078

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0488	1	01/14/2024 17:26	WG2206963

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.66	5	01/23/2024 11:51	WG2207363
Arsenic	3.67		1.22	5	01/23/2024 11:51	WG2207363
Barium	86.0		3.05	5	01/23/2024 11:51	WG2207363
Beryllium	ND		3.05	5	01/23/2024 11:51	WG2207363
Cadmium	ND		1.22	5	01/23/2024 11:51	WG2207363
Chromium	28.9		6.10	5	01/23/2024 11:51	WG2207363
Cobalt	11.7		1.22	5	01/23/2024 11:51	WG2207363
Copper	17.4		6.10	5	01/23/2024 11:51	WG2207363
Lead	43.5		2.44	5	01/23/2024 11:51	WG2207363
Manganese	544		3.05	5	01/23/2024 11:51	WG2207363
Nickel	17.4		3.05	5	01/23/2024 11:51	WG2207363
Selenium	ND		3.05	5	01/23/2024 11:51	WG2207363
Silver	ND		0.610	5	01/23/2024 11:51	WG2207363
Thallium	ND		2.44	5	01/23/2024 11:51	WG2207363
Vanadium	38.9		3.05	5	01/23/2024 11:51	WG2207363
Zinc	56.9		30.5	5	01/23/2024 11:51	WG2207363

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0902	1.3	01/16/2024 04:04	WG2207574
Acrylonitrile	ND		0.0226	1.3	01/16/2024 04:04	WG2207574
Benzene	ND		0.00180	1.3	01/16/2024 04:04	WG2207574
Bromobenzene	ND		0.0226	1.3	01/16/2024 04:04	WG2207574
Bromodichloromethane	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
Bromoform	ND	C3	0.0451	1.3	01/16/2024 04:04	WG2207574
Bromomethane	ND		0.0226	1.3	01/16/2024 04:04	WG2207574
n-Butylbenzene	ND		0.0226	1.3	01/16/2024 04:04	WG2207574
sec-Butylbenzene	ND		0.0226	1.3	01/16/2024 04:04	WG2207574
tert-Butylbenzene	ND		0.00902	1.3	01/16/2024 04:04	WG2207574
Carbon tetrachloride	ND		0.00902	1.3	01/16/2024 04:04	WG2207574
Chlorobenzene	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
Chlorodibromomethane	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
Chloroethane	ND		0.00902	1.3	01/16/2024 04:04	WG2207574
Chloroform	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
Chloromethane	ND	C3	0.0226	1.3	01/16/2024 04:04	WG2207574
2-Chlorotoluene	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
4-Chlorotoluene	ND	J4	0.00902	1.3	01/16/2024 04:04	WG2207574
1,2-Dibromo-3-Chloropropane	ND		0.0451	1.3	01/16/2024 04:04	WG2207574

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
Dibromomethane	ND		0.00902	1.3	01/16/2024 04:04	WG2207574
1,2-Dichlorobenzene	ND		0.00902	1.3	01/16/2024 04:04	WG2207574
1,3-Dichlorobenzene	ND		0.00902	1.3	01/16/2024 04:04	WG2207574
1,4-Dichlorobenzene	ND		0.00902	1.3	01/16/2024 04:04	WG2207574
Dichlorodifluoromethane	ND		0.00902	1.3	01/16/2024 04:04	WG2207574
1,1-Dichloroethane	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
1,2-Dichloroethane	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
1,1-Dichloroethene	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
cis-1,2-Dichloroethene	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
trans-1,2-Dichloroethene	ND		0.00902	1.3	01/16/2024 04:04	WG2207574
1,2-Dichloropropane	ND		0.00902	1.3	01/16/2024 04:04	WG2207574
1,1-Dichloropropene	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
1,3-Dichloropropane	ND		0.00902	1.3	01/16/2024 04:04	WG2207574
cis-1,3-Dichloropropene	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
trans-1,3-Dichloropropene	ND		0.00902	1.3	01/16/2024 04:04	WG2207574
2,2-Dichloropropane	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
Di-isopropyl ether	ND		0.00180	1.3	01/16/2024 04:04	WG2207574
Ethylbenzene	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
Hexachloro-1,3-butadiene	ND		0.0451	1.3	01/16/2024 04:04	WG2207574
Isopropylbenzene	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
p-Isopropyltoluene	ND		0.00902	1.3	01/16/2024 04:04	WG2207574
2-Butanone (MEK)	ND		0.180	1.3	01/16/2024 04:04	WG2207574
Methylene Chloride	ND		0.0451	1.3	01/16/2024 04:04	WG2207574
4-Methyl-2-pentanone (MIBK)	ND		0.0451	1.3	01/16/2024 04:04	WG2207574
Methyl tert-butyl ether	ND		0.00180	1.3	01/16/2024 04:04	WG2207574
Naphthalene	ND		0.0226	1.3	01/16/2024 04:04	WG2207574
n-Propylbenzene	ND	J4	0.00902	1.3	01/16/2024 04:04	WG2207574
Styrene	ND		0.0226	1.3	01/16/2024 04:04	WG2207574
1,1,1,2-Tetrachloroethane	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
1,1,2,2-Tetrachloroethane	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
Tetrachloroethene	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
Toluene	ND		0.00902	1.3	01/16/2024 04:04	WG2207574
1,2,3-Trichlorobenzene	ND		0.0226	1.3	01/16/2024 04:04	WG2207574
1,2,4-Trichlorobenzene	ND		0.0226	1.3	01/16/2024 04:04	WG2207574
1,1,1-Trichloroethane	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
1,1,2-Trichloroethane	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
Trichloroethene	ND		0.00180	1.3	01/16/2024 04:04	WG2207574
Trichlorofluoromethane	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
1,2,3-Trichloropropane	ND		0.0226	1.3	01/16/2024 04:04	WG2207574
1,2,4-Trimethylbenzene	ND		0.00902	1.3	01/16/2024 04:04	WG2207574
1,3,5-Trimethylbenzene	ND		0.00902	1.3	01/16/2024 04:04	WG2207574
Vinyl chloride	ND		0.00451	1.3	01/16/2024 04:04	WG2207574
Xylenes, Total	0.0137		0.0117	1.3	01/16/2024 04:04	WG2207574
(S) Toluene-d8	89.6		75.0-131		01/16/2024 04:04	WG2207574
(S) 4-Bromofluorobenzene	94.8		67.0-138		01/16/2024 04:04	WG2207574
(S) 1,2-Dichloroethane-d4	106		70.0-130		01/16/2024 04:04	WG2207574

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0406	1	01/18/2024 21:28	WG2207116
Acenaphthylene	0.0409		0.0406	1	01/18/2024 21:28	WG2207116
Anthracene	ND		0.0406	1	01/18/2024 21:28	WG2207116
Benzidine	ND		2.04	1	01/18/2024 21:28	WG2207116
Benzo(a)anthracene	0.0532		0.0406	1	01/18/2024 21:28	WG2207116

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.133		0.0406	1	01/18/2024 21:28	WG2207116
Benzo(k)fluoranthene	ND		0.0406	1	01/18/2024 21:28	WG2207116
Benzo(g,h,i)perylene	ND		0.0406	1	01/18/2024 21:28	WG2207116
Benzo(a)pyrene	0.114		0.0406	1	01/18/2024 21:28	WG2207116
Bis(2-chloroethoxy)methane	ND		0.406	1	01/18/2024 21:28	WG2207116
Bis(2-chloroethyl)ether	ND		0.406	1	01/18/2024 21:28	WG2207116
2,2-Oxybis(1-Chloropropane)	ND		0.406	1	01/18/2024 21:28	WG2207116
4-Bromophenyl-phenylether	ND		0.406	1	01/18/2024 21:28	WG2207116
2-Chloronaphthalene	ND		0.0406	1	01/18/2024 21:28	WG2207116
4-Chlorophenyl-phenylether	ND		0.406	1	01/18/2024 21:28	WG2207116
Chrysene	0.0663		0.0406	1	01/18/2024 21:28	WG2207116
Dibenz(a,h)anthracene	ND		0.0406	1	01/18/2024 21:28	WG2207116
3,3-Dichlorobenzidine	ND		0.406	1	01/18/2024 21:28	WG2207116
2,4-Dinitrotoluene	ND		0.406	1	01/18/2024 21:28	WG2207116
2,6-Dinitrotoluene	ND		0.406	1	01/18/2024 21:28	WG2207116
Fluoranthene	0.0862		0.0406	1	01/18/2024 21:28	WG2207116
Fluorene	ND		0.0406	1	01/18/2024 21:28	WG2207116
Hexachlorobenzene	ND		0.406	1	01/18/2024 21:28	WG2207116
Hexachloro-1,3-butadiene	ND		0.406	1	01/18/2024 21:28	WG2207116
Hexachlorocyclopentadiene	ND		0.406	1	01/18/2024 21:28	WG2207116
Hexachloroethane	ND		0.406	1	01/18/2024 21:28	WG2207116
Indeno(1,2,3-cd)pyrene	0.143		0.0406	1	01/18/2024 21:28	WG2207116
Isophorone	ND		0.406	1	01/18/2024 21:28	WG2207116
Naphthalene	ND		0.0406	1	01/18/2024 21:28	WG2207116
Nitrobenzene	ND		0.406	1	01/18/2024 21:28	WG2207116
n-Nitrosodimethylamine	ND		0.406	1	01/18/2024 21:28	WG2207116
n-Nitrosodiphenylamine	ND		0.406	1	01/18/2024 21:28	WG2207116
n-Nitrosodi-n-propylamine	ND		0.406	1	01/18/2024 21:28	WG2207116
Phenanthrene	ND		0.0406	1	01/18/2024 21:28	WG2207116
Benzylbutyl phthalate	ND		0.406	1	01/18/2024 21:28	WG2207116
Bis(2-ethylhexyl)phthalate	ND		0.406	1	01/18/2024 21:28	WG2207116
Di-n-butyl phthalate	ND		0.406	1	01/18/2024 21:28	WG2207116
Diethyl phthalate	ND		0.406	1	01/18/2024 21:28	WG2207116
Dimethyl phthalate	ND		0.406	1	01/18/2024 21:28	WG2207116
Di-n-octyl phthalate	ND		0.406	1	01/18/2024 21:28	WG2207116
Pyrene	0.0901		0.0406	1	01/18/2024 21:28	WG2207116
1,2,4-Trichlorobenzene	ND		0.406	1	01/18/2024 21:28	WG2207116
4-Chloro-3-methylphenol	ND		0.406	1	01/18/2024 21:28	WG2207116
2-Chlorophenol	ND		0.406	1	01/18/2024 21:28	WG2207116
2,4-Dichlorophenol	ND		0.406	1	01/18/2024 21:28	WG2207116
2,4-Dimethylphenol	ND		0.406	1	01/18/2024 21:28	WG2207116
4,6-Dinitro-2-methylphenol	ND		0.406	1	01/18/2024 21:28	WG2207116
2,4-Dinitrophenol	ND		0.406	1	01/18/2024 21:28	WG2207116
2-Nitrophenol	ND		0.406	1	01/18/2024 21:28	WG2207116
4-Nitrophenol	ND		0.406	1	01/18/2024 21:28	WG2207116
Pentachlorophenol	ND		0.406	1	01/18/2024 21:28	WG2207116
Phenol	ND		0.406	1	01/18/2024 21:28	WG2207116
2,4,6-Trichlorophenol	ND		0.406	1	01/18/2024 21:28	WG2207116
(S) 2-Fluorophenol	48.1		12.0-120		01/18/2024 21:28	WG2207116
(S) Phenol-d5	45.4		10.0-120		01/18/2024 21:28	WG2207116
(S) Nitrobenzene-d5	54.8		10.0-122		01/18/2024 21:28	WG2207116
(S) 2-Fluorobiphenyl	46.4		15.0-120		01/18/2024 21:28	WG2207116
(S) 2,4,6-Tribromophenol	72.9		10.0-127		01/18/2024 21:28	WG2207116
(S) p-Terphenyl-d14	55.1		10.0-120		01/18/2024 21:28	WG2207116

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.3		1	01/16/2024 08:09	WG2207404

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.11	1	01/22/2024 11:36	WG2208078

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0443	1	01/14/2024 17:34	WG2206963

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.32	5	01/25/2024 19:10	WG2207192
Arsenic	ND		1.11	5	01/25/2024 19:10	WG2207192
Barium	42.3		2.77	5	01/25/2024 19:10	WG2207192
Beryllium	ND		2.77	5	01/25/2024 19:10	WG2207192
Cadmium	ND		1.11	5	01/25/2024 19:10	WG2207192
Chromium	ND		5.54	5	01/25/2024 19:10	WG2207192
Cobalt	2.47		1.11	5	01/25/2024 19:10	WG2207192
Copper	ND		5.54	5	01/25/2024 19:10	WG2207192
Lead	6.29		2.22	5	01/25/2024 19:10	WG2207192
Manganese	288		2.77	5	01/25/2024 19:10	WG2207192
Nickel	ND		2.77	5	01/25/2024 19:10	WG2207192
Selenium	ND		2.77	5	01/25/2024 19:10	WG2207192
Silver	ND		0.554	5	01/25/2024 19:10	WG2207192
Thallium	ND		2.22	5	01/25/2024 19:10	WG2207192
Vanadium	14.0		2.77	5	01/25/2024 19:10	WG2207192
Zinc	45.7		27.7	5	01/25/2024 19:10	WG2207192

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0618	1	01/15/2024 21:54	WG2207575
Acrylonitrile	ND		0.0155	1	01/15/2024 21:54	WG2207575
Benzene	ND		0.00124	1	01/15/2024 21:54	WG2207575
Bromobenzene	ND		0.0155	1	01/15/2024 21:54	WG2207575
Bromodichloromethane	ND		0.00309	1	01/15/2024 21:54	WG2207575
Bromoform	ND		0.0309	1	01/15/2024 21:54	WG2207575
Bromomethane	ND		0.0155	1	01/15/2024 21:54	WG2207575
n-Butylbenzene	ND		0.0155	1	01/15/2024 21:54	WG2207575
sec-Butylbenzene	ND		0.0155	1	01/15/2024 21:54	WG2207575
tert-Butylbenzene	ND		0.00618	1	01/15/2024 21:54	WG2207575
Carbon tetrachloride	ND		0.00618	1	01/15/2024 21:54	WG2207575
Chlorobenzene	ND		0.00309	1	01/15/2024 21:54	WG2207575
Chlorodibromomethane	ND		0.00309	1	01/15/2024 21:54	WG2207575
Chloroethane	ND		0.00618	1	01/15/2024 21:54	WG2207575
Chloroform	ND		0.00309	1	01/15/2024 21:54	WG2207575
Chloromethane	ND		0.0155	1	01/15/2024 21:54	WG2207575
2-Chlorotoluene	ND		0.00309	1	01/15/2024 21:54	WG2207575
4-Chlorotoluene	ND		0.00618	1	01/15/2024 21:54	WG2207575
1,2-Dibromo-3-Chloropropane	ND	C3	0.0309	1	01/15/2024 21:54	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00309	1	01/15/2024 21:54	WG2207575
Dibromomethane	ND		0.00618	1	01/15/2024 21:54	WG2207575
1,2-Dichlorobenzene	ND		0.00618	1	01/15/2024 21:54	WG2207575
1,3-Dichlorobenzene	ND		0.00618	1	01/15/2024 21:54	WG2207575
1,4-Dichlorobenzene	ND		0.00618	1	01/15/2024 21:54	WG2207575
Dichlorodifluoromethane	ND		0.00618	1	01/15/2024 21:54	WG2207575
1,1-Dichloroethane	ND		0.00309	1	01/15/2024 21:54	WG2207575
1,2-Dichloroethane	ND		0.00309	1	01/15/2024 21:54	WG2207575
1,1-Dichloroethene	ND		0.00309	1	01/15/2024 21:54	WG2207575
cis-1,2-Dichloroethene	ND		0.00309	1	01/15/2024 21:54	WG2207575
trans-1,2-Dichloroethene	ND		0.00618	1	01/15/2024 21:54	WG2207575
1,2-Dichloropropane	ND		0.00618	1	01/15/2024 21:54	WG2207575
1,1-Dichloropropene	ND		0.00309	1	01/15/2024 21:54	WG2207575
1,3-Dichloropropane	ND		0.00618	1	01/15/2024 21:54	WG2207575
cis-1,3-Dichloropropene	ND		0.00309	1	01/15/2024 21:54	WG2207575
trans-1,3-Dichloropropene	ND		0.00618	1	01/15/2024 21:54	WG2207575
2,2-Dichloropropane	ND		0.00309	1	01/15/2024 21:54	WG2207575
Di-isopropyl ether	ND		0.00124	1	01/15/2024 21:54	WG2207575
Ethylbenzene	ND		0.00309	1	01/15/2024 21:54	WG2207575
Hexachloro-1,3-butadiene	ND		0.0309	1	01/15/2024 21:54	WG2207575
Isopropylbenzene	ND		0.00309	1	01/15/2024 21:54	WG2207575
p-Isopropyltoluene	ND		0.00618	1	01/15/2024 21:54	WG2207575
2-Butanone (MEK)	ND		0.124	1	01/15/2024 21:54	WG2207575
Methylene Chloride	ND		0.0309	1	01/15/2024 21:54	WG2207575
4-Methyl-2-pentanone (MIBK)	ND		0.0309	1	01/15/2024 21:54	WG2207575
Methyl tert-butyl ether	ND		0.00124	1	01/15/2024 21:54	WG2207575
Naphthalene	ND		0.0155	1	01/15/2024 21:54	WG2207575
n-Propylbenzene	ND		0.00618	1	01/15/2024 21:54	WG2207575
Styrene	ND		0.0155	1	01/15/2024 21:54	WG2207575
1,1,1,2-Tetrachloroethane	ND		0.00309	1	01/15/2024 21:54	WG2207575
1,1,2,2-Tetrachloroethane	ND		0.00309	1	01/15/2024 21:54	WG2207575
Tetrachloroethene	ND		0.00309	1	01/15/2024 21:54	WG2207575
Toluene	ND		0.00618	1	01/15/2024 21:54	WG2207575
1,2,3-Trichlorobenzene	ND		0.0155	1	01/15/2024 21:54	WG2207575
1,2,4-Trichlorobenzene	ND		0.0155	1	01/15/2024 21:54	WG2207575
1,1,1-Trichloroethane	ND		0.00309	1	01/15/2024 21:54	WG2207575
1,1,2-Trichloroethane	ND		0.00309	1	01/15/2024 21:54	WG2207575
Trichloroethene	ND		0.00124	1	01/15/2024 21:54	WG2207575
Trichlorofluoromethane	ND		0.00309	1	01/15/2024 21:54	WG2207575
1,2,3-Trichloropropane	ND		0.0155	1	01/15/2024 21:54	WG2207575
1,2,4-Trimethylbenzene	ND		0.00618	1	01/15/2024 21:54	WG2207575
1,3,5-Trimethylbenzene	ND		0.00618	1	01/15/2024 21:54	WG2207575
Vinyl chloride	ND		0.00309	1	01/15/2024 21:54	WG2207575
Xylenes, Total	ND		0.00804	1	01/15/2024 21:54	WG2207575
(S) Toluene-d8	102		75.0-131		01/15/2024 21:54	WG2207575
(S) 4-Bromofluorobenzene	97.3		67.0-138		01/15/2024 21:54	WG2207575
(S) 1,2-Dichloroethane-d4	92.6		70.0-130		01/15/2024 21:54	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0369	1	01/18/2024 20:00	WG2207116
Acenaphthylene	ND		0.0369	1	01/18/2024 20:00	WG2207116
Anthracene	ND		0.0369	1	01/18/2024 20:00	WG2207116
Benzidine	ND		1.85	1	01/18/2024 20:00	WG2207116
Benzo(a)anthracene	ND		0.0369	1	01/18/2024 20:00	WG2207116

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0369	1	01/18/2024 20:00	WG2207116
Benzo(k)fluoranthene	ND		0.0369	1	01/18/2024 20:00	WG2207116
Benzo(g,h,i)perylene	ND		0.0369	1	01/18/2024 20:00	WG2207116
Benzo(a)pyrene	ND		0.0369	1	01/18/2024 20:00	WG2207116
Bis(2-chloroethoxy)methane	ND		0.369	1	01/18/2024 20:00	WG2207116
Bis(2-chloroethyl)ether	ND		0.369	1	01/18/2024 20:00	WG2207116
2,2-Oxybis(1-Chloropropane)	ND		0.369	1	01/18/2024 20:00	WG2207116
4-Bromophenyl-phenylether	ND		0.369	1	01/18/2024 20:00	WG2207116
2-Chloronaphthalene	ND		0.0369	1	01/18/2024 20:00	WG2207116
4-Chlorophenyl-phenylether	ND		0.369	1	01/18/2024 20:00	WG2207116
Chrysene	ND		0.0369	1	01/18/2024 20:00	WG2207116
Dibenz(a,h)anthracene	ND		0.0369	1	01/18/2024 20:00	WG2207116
3,3-Dichlorobenzidine	ND		0.369	1	01/18/2024 20:00	WG2207116
2,4-Dinitrotoluene	ND		0.369	1	01/18/2024 20:00	WG2207116
2,6-Dinitrotoluene	ND		0.369	1	01/18/2024 20:00	WG2207116
Fluoranthene	ND		0.0369	1	01/18/2024 20:00	WG2207116
Fluorene	ND		0.0369	1	01/18/2024 20:00	WG2207116
Hexachlorobenzene	ND		0.369	1	01/18/2024 20:00	WG2207116
Hexachloro-1,3-butadiene	ND		0.369	1	01/18/2024 20:00	WG2207116
Hexachlorocyclopentadiene	ND		0.369	1	01/18/2024 20:00	WG2207116
Hexachloroethane	ND		0.369	1	01/18/2024 20:00	WG2207116
Indeno(1,2,3-cd)pyrene	ND		0.0369	1	01/18/2024 20:00	WG2207116
Isophorone	ND		0.369	1	01/18/2024 20:00	WG2207116
Naphthalene	ND		0.0369	1	01/18/2024 20:00	WG2207116
Nitrobenzene	ND		0.369	1	01/18/2024 20:00	WG2207116
n-Nitrosodimethylamine	ND		0.369	1	01/18/2024 20:00	WG2207116
n-Nitrosodiphenylamine	ND		0.369	1	01/18/2024 20:00	WG2207116
n-Nitrosodi-n-propylamine	ND		0.369	1	01/18/2024 20:00	WG2207116
Phenanthrene	ND		0.0369	1	01/18/2024 20:00	WG2207116
Benzylbutyl phthalate	ND		0.369	1	01/18/2024 20:00	WG2207116
Bis(2-ethylhexyl)phthalate	ND		0.369	1	01/18/2024 20:00	WG2207116
Di-n-butyl phthalate	ND		0.369	1	01/18/2024 20:00	WG2207116
Diethyl phthalate	ND		0.369	1	01/18/2024 20:00	WG2207116
Dimethyl phthalate	ND		0.369	1	01/18/2024 20:00	WG2207116
Di-n-octyl phthalate	ND		0.369	1	01/18/2024 20:00	WG2207116
Pyrene	ND		0.0369	1	01/18/2024 20:00	WG2207116
1,2,4-Trichlorobenzene	ND		0.369	1	01/18/2024 20:00	WG2207116
4-Chloro-3-methylphenol	ND		0.369	1	01/18/2024 20:00	WG2207116
2-Chlorophenol	ND		0.369	1	01/18/2024 20:00	WG2207116
2,4-Dichlorophenol	ND		0.369	1	01/18/2024 20:00	WG2207116
2,4-Dimethylphenol	ND		0.369	1	01/18/2024 20:00	WG2207116
4,6-Dinitro-2-methylphenol	ND		0.369	1	01/18/2024 20:00	WG2207116
2,4-Dinitrophenol	ND		0.369	1	01/18/2024 20:00	WG2207116
2-Nitrophenol	ND		0.369	1	01/18/2024 20:00	WG2207116
4-Nitrophenol	ND		0.369	1	01/18/2024 20:00	WG2207116
Pentachlorophenol	ND		0.369	1	01/18/2024 20:00	WG2207116
Phenol	ND		0.369	1	01/18/2024 20:00	WG2207116
2,4,6-Trichlorophenol	ND		0.369	1	01/18/2024 20:00	WG2207116
(S) 2-Fluorophenol	58.6		12.0-120		01/18/2024 20:00	WG2207116
(S) Phenol-d5	52.9		10.0-120		01/18/2024 20:00	WG2207116
(S) Nitrobenzene-d5	61.5		10.0-122		01/18/2024 20:00	WG2207116
(S) 2-Fluorobiphenyl	51.2		15.0-120		01/18/2024 20:00	WG2207116
(S) 2,4,6-Tribromophenol	78.3		10.0-127		01/18/2024 20:00	WG2207116
(S) p-Terphenyl-d14	61.2		10.0-120		01/18/2024 20:00	WG2207116

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.8		1	01/16/2024 08:09	WG2207404

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.17	1	01/22/2024 11:49	WG2208078

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0466	1	01/14/2024 17:36	WG2206963

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.50	5	01/25/2024 19:14	WG2207192
Arsenic	1.51		1.17	5	01/25/2024 19:14	WG2207192
Barium	55.3		2.91	5	01/25/2024 19:14	WG2207192
Beryllium	ND		2.91	5	01/25/2024 19:14	WG2207192
Cadmium	ND		1.17	5	01/25/2024 19:14	WG2207192
Chromium	20.2		5.83	5	01/25/2024 19:14	WG2207192
Cobalt	7.57		1.17	5	01/25/2024 19:14	WG2207192
Copper	11.2		5.83	5	01/25/2024 19:14	WG2207192
Lead	13.8		2.33	5	01/25/2024 19:14	WG2207192
Manganese	418		2.91	5	01/25/2024 19:14	WG2207192
Nickel	10.4		2.91	5	01/25/2024 19:14	WG2207192
Selenium	ND		2.91	5	01/25/2024 19:14	WG2207192
Silver	ND		0.583	5	01/25/2024 19:14	WG2207192
Thallium	ND		2.33	5	01/25/2024 19:14	WG2207192
Vanadium	27.0		2.91	5	01/25/2024 19:14	WG2207192
Zinc	76.1		29.1	5	01/25/2024 19:14	WG2207192

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0678	1	01/15/2024 22:13	WG2207575
Acrylonitrile	ND		0.0170	1	01/15/2024 22:13	WG2207575
Benzene	ND		0.00136	1	01/15/2024 22:13	WG2207575
Bromobenzene	ND		0.0170	1	01/15/2024 22:13	WG2207575
Bromodichloromethane	ND		0.00339	1	01/15/2024 22:13	WG2207575
Bromoform	ND		0.0339	1	01/15/2024 22:13	WG2207575
Bromomethane	ND		0.0170	1	01/15/2024 22:13	WG2207575
n-Butylbenzene	ND		0.0170	1	01/15/2024 22:13	WG2207575
sec-Butylbenzene	ND		0.0170	1	01/15/2024 22:13	WG2207575
tert-Butylbenzene	ND		0.00678	1	01/15/2024 22:13	WG2207575
Carbon tetrachloride	ND		0.00678	1	01/15/2024 22:13	WG2207575
Chlorobenzene	ND		0.00339	1	01/15/2024 22:13	WG2207575
Chlorodibromomethane	ND		0.00339	1	01/15/2024 22:13	WG2207575
Chloroethane	ND		0.00678	1	01/15/2024 22:13	WG2207575
Chloroform	ND		0.00339	1	01/15/2024 22:13	WG2207575
Chloromethane	ND		0.0170	1	01/15/2024 22:13	WG2207575
2-Chlorotoluene	ND		0.00339	1	01/15/2024 22:13	WG2207575
4-Chlorotoluene	ND		0.00678	1	01/15/2024 22:13	WG2207575
1,2-Dibromo-3-Chloropropane	ND	C3	0.0339	1	01/15/2024 22:13	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00339	1	01/15/2024 22:13	WG2207575
Dibromomethane	ND		0.00678	1	01/15/2024 22:13	WG2207575
1,2-Dichlorobenzene	ND		0.00678	1	01/15/2024 22:13	WG2207575
1,3-Dichlorobenzene	ND		0.00678	1	01/15/2024 22:13	WG2207575
1,4-Dichlorobenzene	ND		0.00678	1	01/15/2024 22:13	WG2207575
Dichlorodifluoromethane	ND		0.00678	1	01/15/2024 22:13	WG2207575
1,1-Dichloroethane	ND		0.00339	1	01/15/2024 22:13	WG2207575
1,2-Dichloroethane	ND		0.00339	1	01/15/2024 22:13	WG2207575
1,1-Dichloroethene	ND		0.00339	1	01/15/2024 22:13	WG2207575
cis-1,2-Dichloroethene	ND		0.00339	1	01/15/2024 22:13	WG2207575
trans-1,2-Dichloroethene	ND		0.00678	1	01/15/2024 22:13	WG2207575
1,2-Dichloropropane	ND		0.00678	1	01/15/2024 22:13	WG2207575
1,1-Dichloropropene	ND		0.00339	1	01/15/2024 22:13	WG2207575
1,3-Dichloropropane	ND		0.00678	1	01/15/2024 22:13	WG2207575
cis-1,3-Dichloropropene	ND		0.00339	1	01/15/2024 22:13	WG2207575
trans-1,3-Dichloropropene	ND		0.00678	1	01/15/2024 22:13	WG2207575
2,2-Dichloropropane	ND		0.00339	1	01/15/2024 22:13	WG2207575
Di-isopropyl ether	ND		0.00136	1	01/15/2024 22:13	WG2207575
Ethylbenzene	ND		0.00339	1	01/15/2024 22:13	WG2207575
Hexachloro-1,3-butadiene	ND		0.0339	1	01/15/2024 22:13	WG2207575
Isopropylbenzene	ND		0.00339	1	01/15/2024 22:13	WG2207575
p-Isopropyltoluene	ND		0.00678	1	01/15/2024 22:13	WG2207575
2-Butanone (MEK)	ND		0.136	1	01/15/2024 22:13	WG2207575
Methylene Chloride	ND		0.0339	1	01/15/2024 22:13	WG2207575
4-Methyl-2-pentanone (MIBK)	ND		0.0339	1	01/15/2024 22:13	WG2207575
Methyl tert-butyl ether	ND		0.00136	1	01/15/2024 22:13	WG2207575
Naphthalene	ND		0.0170	1	01/15/2024 22:13	WG2207575
n-Propylbenzene	ND		0.00678	1	01/15/2024 22:13	WG2207575
Styrene	ND		0.0170	1	01/15/2024 22:13	WG2207575
1,1,1,2-Tetrachloroethane	ND		0.00339	1	01/15/2024 22:13	WG2207575
1,1,2,2-Tetrachloroethane	ND		0.00339	1	01/15/2024 22:13	WG2207575
Tetrachloroethene	ND		0.00339	1	01/15/2024 22:13	WG2207575
Toluene	ND		0.00678	1	01/15/2024 22:13	WG2207575
1,2,3-Trichlorobenzene	ND		0.0170	1	01/15/2024 22:13	WG2207575
1,2,4-Trichlorobenzene	ND		0.0170	1	01/15/2024 22:13	WG2207575
1,1,1-Trichloroethane	ND		0.00339	1	01/15/2024 22:13	WG2207575
1,1,2-Trichloroethane	ND		0.00339	1	01/15/2024 22:13	WG2207575
Trichloroethene	ND		0.00136	1	01/15/2024 22:13	WG2207575
Trichlorofluoromethane	ND		0.00339	1	01/15/2024 22:13	WG2207575
1,2,3-Trichloropropane	ND		0.0170	1	01/15/2024 22:13	WG2207575
1,2,4-Trimethylbenzene	ND		0.00678	1	01/15/2024 22:13	WG2207575
1,3,5-Trimethylbenzene	ND		0.00678	1	01/15/2024 22:13	WG2207575
Vinyl chloride	ND		0.00339	1	01/15/2024 22:13	WG2207575
Xylenes, Total	ND		0.00881	1	01/15/2024 22:13	WG2207575
(S) Toluene-d8	101		75.0-131		01/15/2024 22:13	WG2207575
(S) 4-Bromofluorobenzene	101		67.0-138		01/15/2024 22:13	WG2207575
(S) 1,2-Dichloroethane-d4	91.2		70.0-130		01/15/2024 22:13	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0388	1	01/18/2024 18:11	WG2208364
Acenaphthylene	ND		0.0388	1	01/18/2024 18:11	WG2208364
Anthracene	ND		0.0388	1	01/18/2024 18:11	WG2208364
Benzidine	ND		1.95	1	01/18/2024 18:11	WG2208364
Benzo(a)anthracene	0.112		0.0388	1	01/18/2024 18:11	WG2208364

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.152		0.0388	1	01/18/2024 18:11	WG2208364
Benzo(k)fluoranthene	0.0528		0.0388	1	01/18/2024 18:11	WG2208364
Benzo(g,h,i)perylene	0.0514		0.0388	1	01/18/2024 18:11	WG2208364
Benzo(a)pyrene	0.0931		0.0388	1	01/18/2024 18:11	WG2208364
Bis(2-chloroethoxy)methane	ND		0.388	1	01/18/2024 18:11	WG2208364
Bis(2-chloroethyl)ether	ND		0.388	1	01/18/2024 18:11	WG2208364
2,2-Oxybis(1-Chloropropane)	ND		0.388	1	01/18/2024 18:11	WG2208364
4-Bromophenyl-phenylether	ND		0.388	1	01/18/2024 18:11	WG2208364
2-Chloronaphthalene	ND		0.0388	1	01/18/2024 18:11	WG2208364
4-Chlorophenyl-phenylether	ND		0.388	1	01/18/2024 18:11	WG2208364
Chrysene	0.143		0.0388	1	01/18/2024 18:11	WG2208364
Dibenz(a,h)anthracene	ND		0.0388	1	01/18/2024 18:11	WG2208364
3,3-Dichlorobenzidine	ND		0.388	1	01/18/2024 18:11	WG2208364
2,4-Dinitrotoluene	ND		0.388	1	01/18/2024 18:11	WG2208364
2,6-Dinitrotoluene	ND		0.388	1	01/18/2024 18:11	WG2208364
Fluoranthene	0.301		0.0388	1	01/18/2024 18:11	WG2208364
Fluorene	ND		0.0388	1	01/18/2024 18:11	WG2208364
Hexachlorobenzene	ND		0.388	1	01/18/2024 18:11	WG2208364
Hexachloro-1,3-butadiene	ND		0.388	1	01/18/2024 18:11	WG2208364
Hexachlorocyclopentadiene	ND		0.388	1	01/18/2024 18:11	WG2208364
Hexachloroethane	ND		0.388	1	01/18/2024 18:11	WG2208364
Indeno(1,2,3-cd)pyrene	0.0564		0.0388	1	01/18/2024 18:11	WG2208364
Isophorone	ND		0.388	1	01/18/2024 18:11	WG2208364
Naphthalene	ND		0.0388	1	01/18/2024 18:11	WG2208364
Nitrobenzene	ND		0.388	1	01/18/2024 18:11	WG2208364
n-Nitrosodimethylamine	ND		0.388	1	01/18/2024 18:11	WG2208364
n-Nitrosodiphenylamine	ND		0.388	1	01/18/2024 18:11	WG2208364
n-Nitrosodi-n-propylamine	ND		0.388	1	01/18/2024 18:11	WG2208364
Phenanthrene	0.219		0.0388	1	01/18/2024 18:11	WG2208364
Benzylbutyl phthalate	ND		0.388	1	01/18/2024 18:11	WG2208364
Bis(2-ethylhexyl)phthalate	ND		0.388	1	01/18/2024 18:11	WG2208364
Di-n-butyl phthalate	ND		0.388	1	01/18/2024 18:11	WG2208364
Diethyl phthalate	ND		0.388	1	01/18/2024 18:11	WG2208364
Dimethyl phthalate	ND		0.388	1	01/18/2024 18:11	WG2208364
Di-n-octyl phthalate	ND		0.388	1	01/18/2024 18:11	WG2208364
Pyrene	0.289		0.0388	1	01/18/2024 18:11	WG2208364
1,2,4-Trichlorobenzene	ND		0.388	1	01/18/2024 18:11	WG2208364
4-Chloro-3-methylphenol	ND		0.388	1	01/18/2024 18:11	WG2208364
2-Chlorophenol	ND		0.388	1	01/18/2024 18:11	WG2208364
2,4-Dichlorophenol	ND		0.388	1	01/18/2024 18:11	WG2208364
2,4-Dimethylphenol	ND		0.388	1	01/18/2024 18:11	WG2208364
4,6-Dinitro-2-methylphenol	ND		0.388	1	01/18/2024 18:11	WG2208364
2,4-Dinitrophenol	ND		0.388	1	01/18/2024 18:11	WG2208364
2-Nitrophenol	ND		0.388	1	01/18/2024 18:11	WG2208364
4-Nitrophenol	ND		0.388	1	01/18/2024 18:11	WG2208364
Pentachlorophenol	ND		0.388	1	01/18/2024 18:11	WG2208364
Phenol	ND		0.388	1	01/18/2024 18:11	WG2208364
2,4,6-Trichlorophenol	ND		0.388	1	01/18/2024 18:11	WG2208364
(S) 2-Fluorophenol	59.3		12.0-120		01/18/2024 18:11	WG2208364
(S) Phenol-d5	61.4		10.0-120		01/18/2024 18:11	WG2208364
(S) Nitrobenzene-d5	51.2		10.0-122		01/18/2024 18:11	WG2208364
(S) 2-Fluorobiphenyl	52.4		15.0-120		01/18/2024 18:11	WG2208364
(S) 2,4,6-Tribromophenol	55.9		10.0-127		01/18/2024 18:11	WG2208364
(S) p-Terphenyl-d14	55.2		10.0-120		01/18/2024 18:11	WG2208364

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.6		1	01/16/2024 08:09	WG2207404

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.31	1	01/22/2024 12:07	WG2208078

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0523	1	01/14/2024 17:39	WG2206963

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.92	5	01/25/2024 19:17	WG2207192
Arsenic	ND		1.31	5	01/25/2024 19:17	WG2207192
Barium	26.2		3.27	5	01/25/2024 19:17	WG2207192
Beryllium	ND		3.27	5	01/25/2024 19:17	WG2207192
Cadmium	ND		1.31	5	01/25/2024 19:17	WG2207192
Chromium	15.5		6.53	5	01/25/2024 19:17	WG2207192
Cobalt	4.05		1.31	5	01/25/2024 19:17	WG2207192
Copper	ND		6.53	5	01/25/2024 19:17	WG2207192
Lead	7.96		2.61	5	01/25/2024 19:17	WG2207192
Manganese	147		3.27	5	01/25/2024 19:17	WG2207192
Nickel	6.92		3.27	5	01/25/2024 19:17	WG2207192
Selenium	ND		3.27	5	01/25/2024 19:17	WG2207192
Silver	ND		0.653	5	01/25/2024 19:17	WG2207192
Thallium	ND		2.61	5	01/25/2024 19:17	WG2207192
Vanadium	16.5		3.27	5	01/25/2024 19:17	WG2207192
Zinc	ND		32.7	5	01/25/2024 19:17	WG2207192

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0885	1.12	01/15/2024 22:32	WG2207575
Acrylonitrile	ND		0.0221	1.12	01/15/2024 22:32	WG2207575
Benzene	ND		0.00177	1.12	01/15/2024 22:32	WG2207575
Bromobenzene	ND		0.0221	1.12	01/15/2024 22:32	WG2207575
Bromodichloromethane	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
Bromoform	ND		0.0443	1.12	01/15/2024 22:32	WG2207575
Bromomethane	ND		0.0221	1.12	01/15/2024 22:32	WG2207575
n-Butylbenzene	ND		0.0221	1.12	01/15/2024 22:32	WG2207575
sec-Butylbenzene	ND		0.0221	1.12	01/15/2024 22:32	WG2207575
tert-Butylbenzene	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
Carbon tetrachloride	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
Chlorobenzene	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
Chlorodibromomethane	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
Chloroethane	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
Chloroform	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
Chloromethane	ND		0.0221	1.12	01/15/2024 22:32	WG2207575
2-Chlorotoluene	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
4-Chlorotoluene	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
1,2-Dibromo-3-Chloropropane	ND	C3	0.0443	1.12	01/15/2024 22:32	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
Dibromomethane	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
1,2-Dichlorobenzene	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
1,3-Dichlorobenzene	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
1,4-Dichlorobenzene	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
Dichlorodifluoromethane	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
1,1-Dichloroethane	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
1,2-Dichloroethane	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
1,1-Dichloroethene	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
cis-1,2-Dichloroethene	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
trans-1,2-Dichloroethene	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
1,2-Dichloropropane	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
1,1-Dichloropropene	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
1,3-Dichloropropane	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
cis-1,3-Dichloropropene	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
trans-1,3-Dichloropropene	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
2,2-Dichloropropane	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
Di-isopropyl ether	ND		0.00177	1.12	01/15/2024 22:32	WG2207575
Ethylbenzene	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
Hexachloro-1,3-butadiene	ND		0.0443	1.12	01/15/2024 22:32	WG2207575
Isopropylbenzene	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
p-Isopropyltoluene	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
2-Butanone (MEK)	ND		0.177	1.12	01/15/2024 22:32	WG2207575
Methylene Chloride	ND		0.0443	1.12	01/15/2024 22:32	WG2207575
4-Methyl-2-pentanone (MIBK)	ND		0.0443	1.12	01/15/2024 22:32	WG2207575
Methyl tert-butyl ether	ND		0.00177	1.12	01/15/2024 22:32	WG2207575
Naphthalene	ND		0.0221	1.12	01/15/2024 22:32	WG2207575
n-Propylbenzene	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
Styrene	ND		0.0221	1.12	01/15/2024 22:32	WG2207575
1,1,1,2-Tetrachloroethane	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
1,1,2,2-Tetrachloroethane	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
Tetrachloroethene	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
Toluene	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
1,2,3-Trichlorobenzene	ND		0.0221	1.12	01/15/2024 22:32	WG2207575
1,2,4-Trichlorobenzene	ND		0.0221	1.12	01/15/2024 22:32	WG2207575
1,1,1-Trichloroethane	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
1,1,2-Trichloroethane	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
Trichloroethene	ND		0.00177	1.12	01/15/2024 22:32	WG2207575
Trichlorofluoromethane	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
1,2,3-Trichloropropane	ND		0.0221	1.12	01/15/2024 22:32	WG2207575
1,2,4-Trimethylbenzene	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
1,3,5-Trimethylbenzene	ND		0.00885	1.12	01/15/2024 22:32	WG2207575
Vinyl chloride	ND		0.00443	1.12	01/15/2024 22:32	WG2207575
Xylenes, Total	ND		0.0115	1.12	01/15/2024 22:32	WG2207575
(S) Toluene-d8	99.9		75.0-131		01/15/2024 22:32	WG2207575
(S) 4-Bromofluorobenzene	103		67.0-138		01/15/2024 22:32	WG2207575
(S) 1,2-Dichloroethane-d4	91.6		70.0-130		01/15/2024 22:32	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0435	1	01/18/2024 18:36	WG2208364
Acenaphthylene	ND		0.0435	1	01/18/2024 18:36	WG2208364
Anthracene	ND		0.0435	1	01/18/2024 18:36	WG2208364
Benzidine	ND		2.18	1	01/18/2024 18:36	WG2208364
Benzo(a)anthracene	0.0590		0.0435	1	01/18/2024 18:36	WG2208364

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0946		0.0435	1	01/18/2024 18:36	WG2208364
Benzo(k)fluoranthene	ND		0.0435	1	01/18/2024 18:36	WG2208364
Benzo(g,h,i)perylene	0.0516		0.0435	1	01/18/2024 18:36	WG2208364
Benzo(a)pyrene	0.0657		0.0435	1	01/18/2024 18:36	WG2208364
Bis(2-chloroethoxy)methane	ND		0.435	1	01/18/2024 18:36	WG2208364
Bis(2-chloroethyl)ether	ND		0.435	1	01/18/2024 18:36	WG2208364
2,2-Oxybis(1-Chloropropane)	ND		0.435	1	01/18/2024 18:36	WG2208364
4-Bromophenyl-phenylether	ND		0.435	1	01/18/2024 18:36	WG2208364
2-Chloronaphthalene	ND		0.0435	1	01/18/2024 18:36	WG2208364
4-Chlorophenyl-phenylether	ND		0.435	1	01/18/2024 18:36	WG2208364
Chrysene	0.0721		0.0435	1	01/18/2024 18:36	WG2208364
Dibenz(a,h)anthracene	ND		0.0435	1	01/18/2024 18:36	WG2208364
3,3-Dichlorobenzidine	ND		0.435	1	01/18/2024 18:36	WG2208364
2,4-Dinitrotoluene	ND		0.435	1	01/18/2024 18:36	WG2208364
2,6-Dinitrotoluene	ND		0.435	1	01/18/2024 18:36	WG2208364
Fluoranthene	0.148		0.0435	1	01/18/2024 18:36	WG2208364
Fluorene	ND		0.0435	1	01/18/2024 18:36	WG2208364
Hexachlorobenzene	ND		0.435	1	01/18/2024 18:36	WG2208364
Hexachloro-1,3-butadiene	ND		0.435	1	01/18/2024 18:36	WG2208364
Hexachlorocyclopentadiene	ND		0.435	1	01/18/2024 18:36	WG2208364
Hexachloroethane	ND		0.435	1	01/18/2024 18:36	WG2208364
Indeno(1,2,3-cd)pyrene	0.0507		0.0435	1	01/18/2024 18:36	WG2208364
Isophorone	ND		0.435	1	01/18/2024 18:36	WG2208364
Naphthalene	ND		0.0435	1	01/18/2024 18:36	WG2208364
Nitrobenzene	ND		0.435	1	01/18/2024 18:36	WG2208364
n-Nitrosodimethylamine	ND		0.435	1	01/18/2024 18:36	WG2208364
n-Nitrosodiphenylamine	ND		0.435	1	01/18/2024 18:36	WG2208364
n-Nitrosodi-n-propylamine	ND		0.435	1	01/18/2024 18:36	WG2208364
Phenanthrene	0.0511		0.0435	1	01/18/2024 18:36	WG2208364
Benzylbutyl phthalate	ND		0.435	1	01/18/2024 18:36	WG2208364
Bis(2-ethylhexyl)phthalate	ND		0.435	1	01/18/2024 18:36	WG2208364
Di-n-butyl phthalate	ND		0.435	1	01/18/2024 18:36	WG2208364
Diethyl phthalate	ND		0.435	1	01/18/2024 18:36	WG2208364
Dimethyl phthalate	ND		0.435	1	01/18/2024 18:36	WG2208364
Di-n-octyl phthalate	ND		0.435	1	01/18/2024 18:36	WG2208364
Pyrene	0.131		0.0435	1	01/18/2024 18:36	WG2208364
1,2,4-Trichlorobenzene	ND		0.435	1	01/18/2024 18:36	WG2208364
4-Chloro-3-methylphenol	ND		0.435	1	01/18/2024 18:36	WG2208364
2-Chlorophenol	ND		0.435	1	01/18/2024 18:36	WG2208364
2,4-Dichlorophenol	ND		0.435	1	01/18/2024 18:36	WG2208364
2,4-Dimethylphenol	ND		0.435	1	01/18/2024 18:36	WG2208364
4,6-Dinitro-2-methylphenol	ND		0.435	1	01/18/2024 18:36	WG2208364
2,4-Dinitrophenol	ND		0.435	1	01/18/2024 18:36	WG2208364
2-Nitrophenol	ND		0.435	1	01/18/2024 18:36	WG2208364
4-Nitrophenol	ND		0.435	1	01/18/2024 18:36	WG2208364
Pentachlorophenol	ND		0.435	1	01/18/2024 18:36	WG2208364
Phenol	ND		0.435	1	01/18/2024 18:36	WG2208364
2,4,6-Trichlorophenol	ND		0.435	1	01/18/2024 18:36	WG2208364
(S) 2-Fluorophenol	53.8		12.0-120		01/18/2024 18:36	WG2208364
(S) Phenol-d5	55.2		10.0-120		01/18/2024 18:36	WG2208364
(S) Nitrobenzene-d5	52.6		10.0-122		01/18/2024 18:36	WG2208364
(S) 2-Fluorobiphenyl	51.1		15.0-120		01/18/2024 18:36	WG2208364
(S) 2,4,6-Tribromophenol	50.2		10.0-127		01/18/2024 18:36	WG2208364
(S) p-Terphenyl-d14	56.6		10.0-120		01/18/2024 18:36	WG2208364

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	76.0		1	01/16/2024 08:09	WG2207404

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.32	1	01/22/2024 12:13	WG2208078

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	ND		0.0526	1	01/14/2024 17:41	WG2206963

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		3.95	5	01/25/2024 18:16	WG2207192
Arsenic	1.40		1.32	5	01/25/2024 18:16	WG2207192
Barium	56.6		3.29	5	01/25/2024 18:16	WG2207192
Beryllium	ND		3.29	5	01/25/2024 18:16	WG2207192
Cadmium	ND		1.32	5	01/25/2024 18:16	WG2207192
Chromium	19.3		6.58	5	01/25/2024 18:16	WG2207192
Cobalt	6.94		1.32	5	01/25/2024 18:16	WG2207192
Copper	12.5		6.58	5	01/25/2024 18:16	WG2207192
Lead	15.0		2.63	5	01/25/2024 18:16	WG2207192
Manganese	351		3.29	5	01/25/2024 18:16	WG2207192
Nickel	10.2		3.29	5	01/25/2024 18:16	WG2207192
Selenium	ND		3.29	5	01/25/2024 18:16	WG2207192
Silver	ND		0.658	5	01/25/2024 18:16	WG2207192
Thallium	ND		2.63	5	01/25/2024 18:16	WG2207192
Vanadium	23.7		3.29	5	01/25/2024 18:16	WG2207192
Zinc	46.7		32.9	5	01/25/2024 18:16	WG2207192

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND		0.0847	1	01/15/2024 22:51	WG2207575
Acrylonitrile	ND		0.0212	1	01/15/2024 22:51	WG2207575
Benzene	ND		0.00169	1	01/15/2024 22:51	WG2207575
Bromobenzene	ND		0.0212	1	01/15/2024 22:51	WG2207575
Bromodichloromethane	ND		0.00423	1	01/15/2024 22:51	WG2207575
Bromoform	ND		0.0423	1	01/15/2024 22:51	WG2207575
Bromomethane	ND		0.0212	1	01/15/2024 22:51	WG2207575
n-Butylbenzene	ND		0.0212	1	01/15/2024 22:51	WG2207575
sec-Butylbenzene	ND		0.0212	1	01/15/2024 22:51	WG2207575
tert-Butylbenzene	ND		0.00847	1	01/15/2024 22:51	WG2207575
Carbon tetrachloride	ND		0.00847	1	01/15/2024 22:51	WG2207575
Chlorobenzene	ND		0.00423	1	01/15/2024 22:51	WG2207575
Chlorodibromomethane	ND		0.00423	1	01/15/2024 22:51	WG2207575
Chloroethane	ND		0.00847	1	01/15/2024 22:51	WG2207575
Chloroform	ND		0.00423	1	01/15/2024 22:51	WG2207575
Chloromethane	ND		0.0212	1	01/15/2024 22:51	WG2207575
2-Chlorotoluene	ND		0.00423	1	01/15/2024 22:51	WG2207575
4-Chlorotoluene	ND		0.00847	1	01/15/2024 22:51	WG2207575
1,2-Dibromo-3-Chloropropane	ND	C3	0.0423	1	01/15/2024 22:51	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00423	1	01/15/2024 22:51	WG2207575
Dibromomethane	ND		0.00847	1	01/15/2024 22:51	WG2207575
1,2-Dichlorobenzene	ND		0.00847	1	01/15/2024 22:51	WG2207575
1,3-Dichlorobenzene	ND		0.00847	1	01/15/2024 22:51	WG2207575
1,4-Dichlorobenzene	ND		0.00847	1	01/15/2024 22:51	WG2207575
Dichlorodifluoromethane	ND		0.00847	1	01/15/2024 22:51	WG2207575
1,1-Dichloroethane	ND		0.00423	1	01/15/2024 22:51	WG2207575
1,2-Dichloroethane	ND		0.00423	1	01/15/2024 22:51	WG2207575
1,1-Dichloroethene	ND		0.00423	1	01/15/2024 22:51	WG2207575
cis-1,2-Dichloroethene	ND		0.00423	1	01/15/2024 22:51	WG2207575
trans-1,2-Dichloroethene	ND		0.00847	1	01/15/2024 22:51	WG2207575
1,2-Dichloropropane	ND		0.00847	1	01/15/2024 22:51	WG2207575
1,1-Dichloropropene	ND		0.00423	1	01/15/2024 22:51	WG2207575
1,3-Dichloropropane	ND		0.00847	1	01/15/2024 22:51	WG2207575
cis-1,3-Dichloropropene	ND		0.00423	1	01/15/2024 22:51	WG2207575
trans-1,3-Dichloropropene	ND		0.00847	1	01/15/2024 22:51	WG2207575
2,2-Dichloropropane	ND		0.00423	1	01/15/2024 22:51	WG2207575
Di-isopropyl ether	ND		0.00169	1	01/15/2024 22:51	WG2207575
Ethylbenzene	ND		0.00423	1	01/15/2024 22:51	WG2207575
Hexachloro-1,3-butadiene	ND		0.0423	1	01/15/2024 22:51	WG2207575
Isopropylbenzene	ND		0.00423	1	01/15/2024 22:51	WG2207575
p-Isopropyltoluene	ND		0.00847	1	01/15/2024 22:51	WG2207575
2-Butanone (MEK)	ND		0.169	1	01/15/2024 22:51	WG2207575
Methylene Chloride	ND		0.0423	1	01/15/2024 22:51	WG2207575
4-Methyl-2-pentanone (MIBK)	ND		0.0423	1	01/15/2024 22:51	WG2207575
Methyl tert-butyl ether	ND		0.00169	1	01/15/2024 22:51	WG2207575
Naphthalene	ND		0.0212	1	01/15/2024 22:51	WG2207575
n-Propylbenzene	ND		0.00847	1	01/15/2024 22:51	WG2207575
Styrene	ND		0.0212	1	01/15/2024 22:51	WG2207575
1,1,1,2-Tetrachloroethane	ND		0.00423	1	01/15/2024 22:51	WG2207575
1,1,2,2-Tetrachloroethane	ND		0.00423	1	01/15/2024 22:51	WG2207575
Tetrachloroethene	ND		0.00423	1	01/15/2024 22:51	WG2207575
Toluene	ND		0.00847	1	01/15/2024 22:51	WG2207575
1,2,3-Trichlorobenzene	ND		0.0212	1	01/15/2024 22:51	WG2207575
1,2,4-Trichlorobenzene	ND		0.0212	1	01/15/2024 22:51	WG2207575
1,1,1-Trichloroethane	ND		0.00423	1	01/15/2024 22:51	WG2207575
1,1,2-Trichloroethane	ND		0.00423	1	01/15/2024 22:51	WG2207575
Trichloroethene	ND		0.00169	1	01/15/2024 22:51	WG2207575
Trichlorofluoromethane	ND		0.00423	1	01/15/2024 22:51	WG2207575
1,2,3-Trichloropropane	ND		0.0212	1	01/15/2024 22:51	WG2207575
1,2,4-Trimethylbenzene	ND		0.00847	1	01/15/2024 22:51	WG2207575
1,3,5-Trimethylbenzene	ND		0.00847	1	01/15/2024 22:51	WG2207575
Vinyl chloride	ND		0.00423	1	01/15/2024 22:51	WG2207575
Xylenes, Total	ND		0.0110	1	01/15/2024 22:51	WG2207575
(S) Toluene-d8	104		75.0-131		01/15/2024 22:51	WG2207575
(S) 4-Bromofluorobenzene	102		67.0-138		01/15/2024 22:51	WG2207575
(S) 1,2-Dichloroethane-d4	88.9		70.0-130		01/15/2024 22:51	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0438	1	01/18/2024 20:41	WG2208364
Acenaphthylene	ND		0.0438	1	01/18/2024 20:41	WG2208364
Anthracene	ND		0.0438	1	01/18/2024 20:41	WG2208364
Benzidine	ND		2.20	1	01/18/2024 20:41	WG2208364
Benzo(a)anthracene	0.0792		0.0438	1	01/18/2024 20:41	WG2208364

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.166		0.0438	1	01/18/2024 20:41	WG2208364
Benzo(k)fluoranthene	0.0549		0.0438	1	01/18/2024 20:41	WG2208364
Benzo(g,h,i)perylene	0.0809		0.0438	1	01/18/2024 20:41	WG2208364
Benzo(a)pyrene	0.101		0.0438	1	01/18/2024 20:41	WG2208364
Bis(2-chloroethoxy)methane	ND		0.438	1	01/18/2024 20:41	WG2208364
Bis(2-chloroethyl)ether	ND		0.438	1	01/18/2024 20:41	WG2208364
2,2-Oxybis(1-Chloropropane)	ND		0.438	1	01/18/2024 20:41	WG2208364
4-Bromophenyl-phenylether	ND		0.438	1	01/18/2024 20:41	WG2208364
2-Chloronaphthalene	ND		0.0438	1	01/18/2024 20:41	WG2208364
4-Chlorophenyl-phenylether	ND		0.438	1	01/18/2024 20:41	WG2208364
Chrysene	0.103		0.0438	1	01/18/2024 20:41	WG2208364
Dibenz(a,h)anthracene	ND		0.0438	1	01/18/2024 20:41	WG2208364
3,3-Dichlorobenzidine	ND		0.438	1	01/18/2024 20:41	WG2208364
2,4-Dinitrotoluene	ND		0.438	1	01/18/2024 20:41	WG2208364
2,6-Dinitrotoluene	ND		0.438	1	01/18/2024 20:41	WG2208364
Fluoranthene	0.204		0.0438	1	01/18/2024 20:41	WG2208364
Fluorene	ND		0.0438	1	01/18/2024 20:41	WG2208364
Hexachlorobenzene	ND		0.438	1	01/18/2024 20:41	WG2208364
Hexachloro-1,3-butadiene	ND		0.438	1	01/18/2024 20:41	WG2208364
Hexachlorocyclopentadiene	ND		0.438	1	01/18/2024 20:41	WG2208364
Hexachloroethane	ND		0.438	1	01/18/2024 20:41	WG2208364
Indeno(1,2,3-cd)pyrene	0.0808		0.0438	1	01/18/2024 20:41	WG2208364
Isophorone	ND		0.438	1	01/18/2024 20:41	WG2208364
Naphthalene	ND		0.0438	1	01/18/2024 20:41	WG2208364
Nitrobenzene	ND		0.438	1	01/18/2024 20:41	WG2208364
n-Nitrosodimethylamine	ND		0.438	1	01/18/2024 20:41	WG2208364
n-Nitrosodiphenylamine	ND		0.438	1	01/18/2024 20:41	WG2208364
n-Nitrosodi-n-propylamine	ND		0.438	1	01/18/2024 20:41	WG2208364
Phenanthrene	0.0876		0.0438	1	01/18/2024 20:41	WG2208364
Benzylbutyl phthalate	ND		0.438	1	01/18/2024 20:41	WG2208364
Bis(2-ethylhexyl)phthalate	ND		0.438	1	01/18/2024 20:41	WG2208364
Di-n-butyl phthalate	ND		0.438	1	01/18/2024 20:41	WG2208364
Diethyl phthalate	ND		0.438	1	01/18/2024 20:41	WG2208364
Dimethyl phthalate	ND		0.438	1	01/18/2024 20:41	WG2208364
Di-n-octyl phthalate	ND		0.438	1	01/18/2024 20:41	WG2208364
Pyrene	0.257		0.0438	1	01/18/2024 20:41	WG2208364
1,2,4-Trichlorobenzene	ND		0.438	1	01/18/2024 20:41	WG2208364
4-Chloro-3-methylphenol	ND		0.438	1	01/18/2024 20:41	WG2208364
2-Chlorophenol	ND		0.438	1	01/18/2024 20:41	WG2208364
2,4-Dichlorophenol	ND		0.438	1	01/18/2024 20:41	WG2208364
2,4-Dimethylphenol	ND		0.438	1	01/18/2024 20:41	WG2208364
4,6-Dinitro-2-methylphenol	ND		0.438	1	01/18/2024 20:41	WG2208364
2,4-Dinitrophenol	ND		0.438	1	01/18/2024 20:41	WG2208364
2-Nitrophenol	ND		0.438	1	01/18/2024 20:41	WG2208364
4-Nitrophenol	ND		0.438	1	01/18/2024 20:41	WG2208364
Pentachlorophenol	ND		0.438	1	01/18/2024 20:41	WG2208364
Phenol	ND		0.438	1	01/18/2024 20:41	WG2208364
2,4,6-Trichlorophenol	ND		0.438	1	01/18/2024 20:41	WG2208364
(S) 2-Fluorophenol	51.3		12.0-120		01/18/2024 20:41	WG2208364
(S) Phenol-d5	48.1		10.0-120		01/18/2024 20:41	WG2208364
(S) Nitrobenzene-d5	50.5		10.0-122		01/18/2024 20:41	WG2208364
(S) 2-Fluorobiphenyl	51.1		15.0-120		01/18/2024 20:41	WG2208364
(S) 2,4,6-Tribromophenol	48.4		10.0-127		01/18/2024 20:41	WG2208364
(S) p-Terphenyl-d14	77.4		10.0-120		01/18/2024 20:41	WG2208364

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.6		1	01/16/2024 08:09	WG2207404

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.38	1	01/22/2024 12:44	WG2208078

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0551	1	01/14/2024 17:44	WG2206963

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.13	5	01/25/2024 18:20	WG2207192
Arsenic	2.89		1.38	5	01/25/2024 18:20	WG2207192
Barium	161		3.44	5	01/25/2024 18:20	WG2207192
Beryllium	ND		3.44	5	01/25/2024 18:20	WG2207192
Cadmium	ND		1.38	5	01/25/2024 18:20	WG2207192
Chromium	37.2		6.89	5	01/25/2024 18:20	WG2207192
Cobalt	13.9		1.38	5	01/25/2024 18:20	WG2207192
Copper	16.0		6.89	5	01/25/2024 18:20	WG2207192
Lead	22.0		2.75	5	01/25/2024 18:20	WG2207192
Manganese	674		3.44	5	01/25/2024 18:20	WG2207192
Nickel	19.7		3.44	5	01/25/2024 18:20	WG2207192
Selenium	ND		3.44	5	01/25/2024 18:20	WG2207192
Silver	ND		0.689	5	01/25/2024 18:20	WG2207192
Thallium	ND		2.75	5	01/25/2024 18:20	WG2207192
Vanadium	56.4		3.44	5	01/25/2024 18:20	WG2207192
Zinc	43.9		34.4	5	01/25/2024 18:20	WG2207192

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0922	1	01/15/2024 23:10	WG2207575
Acrylonitrile	ND		0.0231	1	01/15/2024 23:10	WG2207575
Benzene	ND		0.00184	1	01/15/2024 23:10	WG2207575
Bromobenzene	ND		0.0231	1	01/15/2024 23:10	WG2207575
Bromodichloromethane	ND		0.00461	1	01/15/2024 23:10	WG2207575
Bromoform	ND		0.0461	1	01/15/2024 23:10	WG2207575
Bromomethane	ND		0.0231	1	01/15/2024 23:10	WG2207575
n-Butylbenzene	ND		0.0231	1	01/15/2024 23:10	WG2207575
sec-Butylbenzene	ND		0.0231	1	01/15/2024 23:10	WG2207575
tert-Butylbenzene	ND		0.00922	1	01/15/2024 23:10	WG2207575
Carbon tetrachloride	ND		0.00922	1	01/15/2024 23:10	WG2207575
Chlorobenzene	ND		0.00461	1	01/15/2024 23:10	WG2207575
Chlorodibromomethane	ND		0.00461	1	01/15/2024 23:10	WG2207575
Chloroethane	ND		0.00922	1	01/15/2024 23:10	WG2207575
Chloroform	ND		0.00461	1	01/15/2024 23:10	WG2207575
Chloromethane	ND		0.0231	1	01/15/2024 23:10	WG2207575
2-Chlorotoluene	ND		0.00461	1	01/15/2024 23:10	WG2207575
4-Chlorotoluene	ND		0.00922	1	01/15/2024 23:10	WG2207575
1,2-Dibromo-3-Chloropropane	ND	C3	0.0461	1	01/15/2024 23:10	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00461	1	01/15/2024 23:10	WG2207575
Dibromomethane	ND		0.00922	1	01/15/2024 23:10	WG2207575
1,2-Dichlorobenzene	ND		0.00922	1	01/15/2024 23:10	WG2207575
1,3-Dichlorobenzene	ND		0.00922	1	01/15/2024 23:10	WG2207575
1,4-Dichlorobenzene	ND		0.00922	1	01/15/2024 23:10	WG2207575
Dichlorodifluoromethane	ND		0.00922	1	01/15/2024 23:10	WG2207575
1,1-Dichloroethane	ND		0.00461	1	01/15/2024 23:10	WG2207575
1,2-Dichloroethane	ND		0.00461	1	01/15/2024 23:10	WG2207575
1,1-Dichloroethene	ND		0.00461	1	01/15/2024 23:10	WG2207575
cis-1,2-Dichloroethene	ND		0.00461	1	01/15/2024 23:10	WG2207575
trans-1,2-Dichloroethene	ND		0.00922	1	01/15/2024 23:10	WG2207575
1,2-Dichloropropane	ND		0.00922	1	01/15/2024 23:10	WG2207575
1,1-Dichloropropene	ND		0.00461	1	01/15/2024 23:10	WG2207575
1,3-Dichloropropane	ND		0.00922	1	01/15/2024 23:10	WG2207575
cis-1,3-Dichloropropene	ND		0.00461	1	01/15/2024 23:10	WG2207575
trans-1,3-Dichloropropene	ND		0.00922	1	01/15/2024 23:10	WG2207575
2,2-Dichloropropane	ND		0.00461	1	01/15/2024 23:10	WG2207575
Di-isopropyl ether	ND		0.00184	1	01/15/2024 23:10	WG2207575
Ethylbenzene	ND		0.00461	1	01/15/2024 23:10	WG2207575
Hexachloro-1,3-butadiene	ND		0.0461	1	01/15/2024 23:10	WG2207575
Isopropylbenzene	ND		0.00461	1	01/15/2024 23:10	WG2207575
p-Isopropyltoluene	0.0207		0.00922	1	01/15/2024 23:10	WG2207575
2-Butanone (MEK)	ND		0.184	1	01/15/2024 23:10	WG2207575
Methylene Chloride	ND		0.0461	1	01/15/2024 23:10	WG2207575
4-Methyl-2-pentanone (MIBK)	ND		0.0461	1	01/15/2024 23:10	WG2207575
Methyl tert-butyl ether	ND		0.00184	1	01/15/2024 23:10	WG2207575
Naphthalene	ND		0.0231	1	01/15/2024 23:10	WG2207575
n-Propylbenzene	ND		0.00922	1	01/15/2024 23:10	WG2207575
Styrene	ND		0.0231	1	01/15/2024 23:10	WG2207575
1,1,1,2-Tetrachloroethane	ND		0.00461	1	01/15/2024 23:10	WG2207575
1,1,2,2-Tetrachloroethane	ND		0.00461	1	01/15/2024 23:10	WG2207575
Tetrachloroethene	ND		0.00461	1	01/15/2024 23:10	WG2207575
Toluene	ND		0.00922	1	01/15/2024 23:10	WG2207575
1,2,3-Trichlorobenzene	ND		0.0231	1	01/15/2024 23:10	WG2207575
1,2,4-Trichlorobenzene	ND		0.0231	1	01/15/2024 23:10	WG2207575
1,1,1-Trichloroethane	ND		0.00461	1	01/15/2024 23:10	WG2207575
1,1,2-Trichloroethane	ND		0.00461	1	01/15/2024 23:10	WG2207575
Trichloroethene	ND		0.00184	1	01/15/2024 23:10	WG2207575
Trichlorofluoromethane	ND		0.00461	1	01/15/2024 23:10	WG2207575
1,2,3-Trichloropropane	ND		0.0231	1	01/15/2024 23:10	WG2207575
1,2,4-Trimethylbenzene	ND		0.00922	1	01/15/2024 23:10	WG2207575
1,3,5-Trimethylbenzene	ND		0.00922	1	01/15/2024 23:10	WG2207575
Vinyl chloride	ND		0.00461	1	01/15/2024 23:10	WG2207575
Xylenes, Total	ND		0.0120	1	01/15/2024 23:10	WG2207575
(S) Toluene-d8	99.2		75.0-131		01/15/2024 23:10	WG2207575
(S) 4-Bromofluorobenzene	102		67.0-138		01/15/2024 23:10	WG2207575
(S) 1,2-Dichloroethane-d4	91.7		70.0-130		01/15/2024 23:10	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0459	1	01/18/2024 19:01	WG2208364
Acenaphthylene	ND		0.0459	1	01/18/2024 19:01	WG2208364
Anthracene	ND		0.0459	1	01/18/2024 19:01	WG2208364
Benzidine	ND		2.30	1	01/18/2024 19:01	WG2208364
Benzo(a)anthracene	ND		0.0459	1	01/18/2024 19:01	WG2208364

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0459	1	01/18/2024 19:01	WG2208364
Benzo(k)fluoranthene	ND		0.0459	1	01/18/2024 19:01	WG2208364
Benzo(g,h,i)perylene	ND		0.0459	1	01/18/2024 19:01	WG2208364
Benzo(a)pyrene	ND		0.0459	1	01/18/2024 19:01	WG2208364
Bis(2-chloroethoxy)methane	ND		0.459	1	01/18/2024 19:01	WG2208364
Bis(2-chloroethyl)ether	ND		0.459	1	01/18/2024 19:01	WG2208364
2,2-Oxybis(1-Chloropropane)	ND		0.459	1	01/18/2024 19:01	WG2208364
4-Bromophenyl-phenylether	ND		0.459	1	01/18/2024 19:01	WG2208364
2-Chloronaphthalene	ND		0.0459	1	01/18/2024 19:01	WG2208364
4-Chlorophenyl-phenylether	ND		0.459	1	01/18/2024 19:01	WG2208364
Chrysene	ND		0.0459	1	01/18/2024 19:01	WG2208364
Dibenz(a,h)anthracene	ND		0.0459	1	01/18/2024 19:01	WG2208364
3,3-Dichlorobenzidine	ND		0.459	1	01/18/2024 19:01	WG2208364
2,4-Dinitrotoluene	ND		0.459	1	01/18/2024 19:01	WG2208364
2,6-Dinitrotoluene	ND		0.459	1	01/18/2024 19:01	WG2208364
Fluoranthene	ND		0.0459	1	01/18/2024 19:01	WG2208364
Fluorene	ND		0.0459	1	01/18/2024 19:01	WG2208364
Hexachlorobenzene	ND		0.459	1	01/18/2024 19:01	WG2208364
Hexachloro-1,3-butadiene	ND		0.459	1	01/18/2024 19:01	WG2208364
Hexachlorocyclopentadiene	ND		0.459	1	01/18/2024 19:01	WG2208364
Hexachloroethane	ND		0.459	1	01/18/2024 19:01	WG2208364
Indeno(1,2,3-cd)pyrene	ND		0.0459	1	01/18/2024 19:01	WG2208364
Isophorone	ND		0.459	1	01/18/2024 19:01	WG2208364
Naphthalene	ND		0.0459	1	01/18/2024 19:01	WG2208364
Nitrobenzene	ND		0.459	1	01/18/2024 19:01	WG2208364
n-Nitrosodimethylamine	ND		0.459	1	01/18/2024 19:01	WG2208364
n-Nitrosodiphenylamine	ND		0.459	1	01/18/2024 19:01	WG2208364
n-Nitrosodi-n-propylamine	ND		0.459	1	01/18/2024 19:01	WG2208364
Phenanthrene	ND		0.0459	1	01/18/2024 19:01	WG2208364
Benzylbutyl phthalate	ND		0.459	1	01/18/2024 19:01	WG2208364
Bis(2-ethylhexyl)phthalate	ND		0.459	1	01/18/2024 19:01	WG2208364
Di-n-butyl phthalate	ND		0.459	1	01/18/2024 19:01	WG2208364
Diethyl phthalate	ND		0.459	1	01/18/2024 19:01	WG2208364
Dimethyl phthalate	ND		0.459	1	01/18/2024 19:01	WG2208364
Di-n-octyl phthalate	ND		0.459	1	01/18/2024 19:01	WG2208364
Pyrene	ND		0.0459	1	01/18/2024 19:01	WG2208364
1,2,4-Trichlorobenzene	ND		0.459	1	01/18/2024 19:01	WG2208364
4-Chloro-3-methylphenol	ND		0.459	1	01/18/2024 19:01	WG2208364
2-Chlorophenol	ND		0.459	1	01/18/2024 19:01	WG2208364
2,4-Dichlorophenol	ND		0.459	1	01/18/2024 19:01	WG2208364
2,4-Dimethylphenol	ND		0.459	1	01/18/2024 19:01	WG2208364
4,6-Dinitro-2-methylphenol	ND		0.459	1	01/18/2024 19:01	WG2208364
2,4-Dinitrophenol	ND		0.459	1	01/18/2024 19:01	WG2208364
2-Nitrophenol	ND		0.459	1	01/18/2024 19:01	WG2208364
4-Nitrophenol	ND		0.459	1	01/18/2024 19:01	WG2208364
Pentachlorophenol	ND		0.459	1	01/18/2024 19:01	WG2208364
Phenol	ND		0.459	1	01/18/2024 19:01	WG2208364
2,4,6-Trichlorophenol	ND		0.459	1	01/18/2024 19:01	WG2208364
(S) 2-Fluorophenol	55.7		12.0-120		01/18/2024 19:01	WG2208364
(S) Phenol-d5	59.7		10.0-120		01/18/2024 19:01	WG2208364
(S) Nitrobenzene-d5	56.7		10.0-122		01/18/2024 19:01	WG2208364
(S) 2-Fluorobiphenyl	58.9		15.0-120		01/18/2024 19:01	WG2208364
(S) 2,4,6-Tribromophenol	57.4		10.0-127		01/18/2024 19:01	WG2208364
(S) p-Terphenyl-d14	62.9		10.0-120		01/18/2024 19:01	WG2208364

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.9		1	01/16/2024 08:09	WG2207404

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.37	1	01/22/2024 12:51	WG2208078

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0548	1	01/14/2024 17:46	WG2206963

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.11	5	01/25/2024 18:23	WG2207192
Arsenic	3.26		1.37	5	01/25/2024 18:23	WG2207192
Barium	165		3.43	5	01/25/2024 18:23	WG2207192
Beryllium	ND		3.43	5	01/25/2024 18:23	WG2207192
Cadmium	ND		1.37	5	01/25/2024 18:23	WG2207192
Chromium	30.9		6.85	5	01/25/2024 18:23	WG2207192
Cobalt	15.8		1.37	5	01/25/2024 18:23	WG2207192
Copper	13.4		6.85	5	01/25/2024 18:23	WG2207192
Lead	25.7		2.74	5	01/25/2024 18:23	WG2207192
Manganese	1120		3.43	5	01/25/2024 18:23	WG2207192
Nickel	15.7		3.43	5	01/25/2024 18:23	WG2207192
Selenium	ND		3.43	5	01/25/2024 18:23	WG2207192
Silver	ND		0.685	5	01/25/2024 18:23	WG2207192
Thallium	ND		2.74	5	01/25/2024 18:23	WG2207192
Vanadium	48.7		3.43	5	01/25/2024 18:23	WG2207192
Zinc	40.9		34.3	5	01/25/2024 18:23	WG2207192

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	0.204	C3	0.0881	1	01/18/2024 12:27	WG2208203
Acrylonitrile	ND		0.0220	1	01/18/2024 12:27	WG2208203
Benzene	ND		0.00176	1	01/18/2024 12:27	WG2208203
Bromobenzene	ND		0.0220	1	01/18/2024 12:27	WG2208203
Bromodichloromethane	ND		0.00440	1	01/18/2024 12:27	WG2208203
Bromoform	ND	C3	0.0440	1	01/18/2024 12:27	WG2208203
Bromomethane	ND		0.0220	1	01/18/2024 12:27	WG2208203
n-Butylbenzene	ND		0.0220	1	01/18/2024 12:27	WG2208203
sec-Butylbenzene	ND		0.0220	1	01/18/2024 12:27	WG2208203
tert-Butylbenzene	ND		0.00881	1	01/18/2024 12:27	WG2208203
Carbon tetrachloride	ND		0.00881	1	01/18/2024 12:27	WG2208203
Chlorobenzene	ND		0.00440	1	01/18/2024 12:27	WG2208203
Chlorodibromomethane	ND		0.00440	1	01/18/2024 12:27	WG2208203
Chloroethane	ND		0.00881	1	01/18/2024 12:27	WG2208203
Chloroform	ND		0.00440	1	01/18/2024 12:27	WG2208203
Chloromethane	ND		0.0220	1	01/18/2024 12:27	WG2208203
2-Chlorotoluene	ND		0.00440	1	01/18/2024 12:27	WG2208203
4-Chlorotoluene	ND	J4	0.00881	1	01/18/2024 12:27	WG2208203
1,2-Dibromo-3-Chloropropane	ND		0.0440	1	01/18/2024 12:27	WG2208203

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00440	1	01/18/2024 12:27	WG2208203
Dibromomethane	ND		0.00881	1	01/18/2024 12:27	WG2208203
1,2-Dichlorobenzene	ND		0.00881	1	01/18/2024 12:27	WG2208203
1,3-Dichlorobenzene	ND		0.00881	1	01/18/2024 12:27	WG2208203
1,4-Dichlorobenzene	ND		0.00881	1	01/18/2024 12:27	WG2208203
Dichlorodifluoromethane	ND		0.00881	1	01/18/2024 12:27	WG2208203
1,1-Dichloroethane	ND		0.00440	1	01/18/2024 12:27	WG2208203
1,2-Dichloroethane	ND		0.00440	1	01/18/2024 12:27	WG2208203
1,1-Dichloroethene	ND		0.00440	1	01/18/2024 12:27	WG2208203
cis-1,2-Dichloroethene	ND		0.00440	1	01/18/2024 12:27	WG2208203
trans-1,2-Dichloroethene	ND		0.00881	1	01/18/2024 12:27	WG2208203
1,2-Dichloropropane	ND		0.00881	1	01/18/2024 12:27	WG2208203
1,1-Dichloropropene	ND	J4	0.00440	1	01/18/2024 12:27	WG2208203
1,3-Dichloropropane	ND	J4	0.00881	1	01/18/2024 12:27	WG2208203
cis-1,3-Dichloropropene	ND		0.00440	1	01/18/2024 12:27	WG2208203
trans-1,3-Dichloropropene	ND		0.00881	1	01/18/2024 12:27	WG2208203
2,2-Dichloropropane	ND		0.00440	1	01/18/2024 12:27	WG2208203
Di-isopropyl ether	ND		0.00176	1	01/18/2024 12:27	WG2208203
Ethylbenzene	ND		0.00440	1	01/18/2024 12:27	WG2208203
Hexachloro-1,3-butadiene	ND	C3	0.0440	1	01/18/2024 12:27	WG2208203
Isopropylbenzene	ND		0.00440	1	01/18/2024 12:27	WG2208203
p-Isopropyltoluene	ND		0.00881	1	01/18/2024 12:27	WG2208203
2-Butanone (MEK)	ND		0.176	1	01/18/2024 12:27	WG2208203
Methylene Chloride	ND		0.0440	1	01/18/2024 12:27	WG2208203
4-Methyl-2-pentanone (MIBK)	ND		0.0440	1	01/18/2024 12:27	WG2208203
Methyl tert-butyl ether	ND		0.00176	1	01/18/2024 12:27	WG2208203
Naphthalene	ND		0.0220	1	01/18/2024 12:27	WG2208203
n-Propylbenzene	0.0284	C5 J4	0.00881	1	01/18/2024 12:27	WG2208203
Styrene	ND		0.0220	1	01/18/2024 12:27	WG2208203
1,1,1,2-Tetrachloroethane	ND		0.00440	1	01/18/2024 12:27	WG2208203
1,1,2,2-Tetrachloroethane	ND		0.00440	1	01/18/2024 12:27	WG2208203
Tetrachloroethene	ND		0.00440	1	01/18/2024 12:27	WG2208203
Toluene	ND		0.00881	1	01/18/2024 12:27	WG2208203
1,2,3-Trichlorobenzene	ND		0.0220	1	01/18/2024 12:27	WG2208203
1,2,4-Trichlorobenzene	ND		0.0220	1	01/18/2024 12:27	WG2208203
1,1,1-Trichloroethane	ND		0.00440	1	01/18/2024 12:27	WG2208203
1,1,2-Trichloroethane	ND		0.00440	1	01/18/2024 12:27	WG2208203
Trichloroethene	ND		0.00176	1	01/18/2024 12:27	WG2208203
Trichlorofluoromethane	ND		0.00440	1	01/18/2024 12:27	WG2208203
1,2,3-Trichloropropane	ND	J4	0.0220	1	01/18/2024 12:27	WG2208203
1,2,4-Trimethylbenzene	ND		0.00881	1	01/18/2024 12:27	WG2208203
1,3,5-Trimethylbenzene	ND		0.00881	1	01/18/2024 12:27	WG2208203
Vinyl chloride	ND		0.00440	1	01/18/2024 12:27	WG2208203
Xylenes, Total	ND		0.0114	1	01/18/2024 12:27	WG2208203
(S) Toluene-d8	107		75.0-131		01/18/2024 12:27	WG2208203
(S) 4-Bromofluorobenzene	97.1		67.0-138		01/18/2024 12:27	WG2208203
(S) 1,2-Dichloroethane-d4	115		70.0-130		01/18/2024 12:27	WG2208203

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0456	1	01/18/2024 15:40	WG2208364
Acenaphthylene	ND		0.0456	1	01/18/2024 15:40	WG2208364
Anthracene	ND		0.0456	1	01/18/2024 15:40	WG2208364
Benzidine	ND		2.29	1	01/18/2024 15:40	WG2208364
Benzo(a)anthracene	ND		0.0456	1	01/18/2024 15:40	WG2208364

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0456	1	01/18/2024 15:40	WG2208364
Benzo(k)fluoranthene	ND		0.0456	1	01/18/2024 15:40	WG2208364
Benzo(g,h,i)perylene	ND		0.0456	1	01/18/2024 15:40	WG2208364
Benzo(a)pyrene	ND		0.0456	1	01/18/2024 15:40	WG2208364
Bis(2-chloroethoxy)methane	ND		0.456	1	01/18/2024 15:40	WG2208364
Bis(2-chloroethyl)ether	ND		0.456	1	01/18/2024 15:40	WG2208364
2,2-Oxybis(1-Chloropropane)	ND		0.456	1	01/18/2024 15:40	WG2208364
4-Bromophenyl-phenylether	ND		0.456	1	01/18/2024 15:40	WG2208364
2-Chloronaphthalene	ND		0.0456	1	01/18/2024 15:40	WG2208364
4-Chlorophenyl-phenylether	ND		0.456	1	01/18/2024 15:40	WG2208364
Chrysene	ND		0.0456	1	01/18/2024 15:40	WG2208364
Dibenz(a,h)anthracene	ND		0.0456	1	01/18/2024 15:40	WG2208364
3,3-Dichlorobenzidine	ND		0.456	1	01/18/2024 15:40	WG2208364
2,4-Dinitrotoluene	ND		0.456	1	01/18/2024 15:40	WG2208364
2,6-Dinitrotoluene	ND		0.456	1	01/18/2024 15:40	WG2208364
Fluoranthene	ND		0.0456	1	01/18/2024 15:40	WG2208364
Fluorene	ND		0.0456	1	01/18/2024 15:40	WG2208364
Hexachlorobenzene	ND		0.456	1	01/18/2024 15:40	WG2208364
Hexachloro-1,3-butadiene	ND		0.456	1	01/18/2024 15:40	WG2208364
Hexachlorocyclopentadiene	ND		0.456	1	01/18/2024 15:40	WG2208364
Hexachloroethane	ND		0.456	1	01/18/2024 15:40	WG2208364
Indeno(1,2,3-cd)pyrene	ND		0.0456	1	01/18/2024 15:40	WG2208364
Isophorone	ND		0.456	1	01/18/2024 15:40	WG2208364
Naphthalene	ND		0.0456	1	01/18/2024 15:40	WG2208364
Nitrobenzene	ND		0.456	1	01/18/2024 15:40	WG2208364
n-Nitrosodimethylamine	ND		0.456	1	01/18/2024 15:40	WG2208364
n-Nitrosodiphenylamine	ND		0.456	1	01/18/2024 15:40	WG2208364
n-Nitrosodi-n-propylamine	ND		0.456	1	01/18/2024 15:40	WG2208364
Phenanthrene	ND		0.0456	1	01/18/2024 15:40	WG2208364
Benzylbutyl phthalate	ND		0.456	1	01/18/2024 15:40	WG2208364
Bis(2-ethylhexyl)phthalate	ND		0.456	1	01/18/2024 15:40	WG2208364
Di-n-butyl phthalate	ND		0.456	1	01/18/2024 15:40	WG2208364
Diethyl phthalate	ND		0.456	1	01/18/2024 15:40	WG2208364
Dimethyl phthalate	ND		0.456	1	01/18/2024 15:40	WG2208364
Di-n-octyl phthalate	ND		0.456	1	01/18/2024 15:40	WG2208364
Pyrene	ND		0.0456	1	01/18/2024 15:40	WG2208364
1,2,4-Trichlorobenzene	ND		0.456	1	01/18/2024 15:40	WG2208364
4-Chloro-3-methylphenol	ND		0.456	1	01/18/2024 15:40	WG2208364
2-Chlorophenol	ND		0.456	1	01/18/2024 15:40	WG2208364
2,4-Dichlorophenol	ND		0.456	1	01/18/2024 15:40	WG2208364
2,4-Dimethylphenol	ND		0.456	1	01/18/2024 15:40	WG2208364
4,6-Dinitro-2-methylphenol	ND		0.456	1	01/18/2024 15:40	WG2208364
2,4-Dinitrophenol	ND		0.456	1	01/18/2024 15:40	WG2208364
2-Nitrophenol	ND		0.456	1	01/18/2024 15:40	WG2208364
4-Nitrophenol	ND		0.456	1	01/18/2024 15:40	WG2208364
Pentachlorophenol	ND		0.456	1	01/18/2024 15:40	WG2208364
Phenol	ND		0.456	1	01/18/2024 15:40	WG2208364
2,4,6-Trichlorophenol	ND		0.456	1	01/18/2024 15:40	WG2208364
(S) 2-Fluorophenol	52.0		12.0-120		01/18/2024 15:40	WG2208364
(S) Phenol-d5	51.1		10.0-120		01/18/2024 15:40	WG2208364
(S) Nitrobenzene-d5	48.6		10.0-122		01/18/2024 15:40	WG2208364
(S) 2-Fluorobiphenyl	49.5		15.0-120		01/18/2024 15:40	WG2208364
(S) 2,4,6-Tribromophenol	46.9		10.0-127		01/18/2024 15:40	WG2208364
(S) p-Terphenyl-d14	55.7		10.0-120		01/18/2024 15:40	WG2208364

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.6		1	01/16/2024 08:09	WG2207404

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.73		1.21	1	01/22/2024 12:57	WG2208078

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0485	1	01/14/2024 17:49	WG2206963

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.63	5	01/25/2024 20:57	WG2207191
Arsenic	2.58		1.21	5	01/25/2024 20:57	WG2207191
Barium	54.1		3.03	5	01/25/2024 20:57	WG2207191
Beryllium	ND		3.03	5	01/26/2024 00:38	WG2207191
Cadmium	ND		1.21	5	01/25/2024 20:57	WG2207191
Chromium	21.1		6.06	5	01/25/2024 20:57	WG2207191
Cobalt	6.19		1.21	5	01/25/2024 20:57	WG2207191
Copper	12.8		6.06	5	01/25/2024 20:57	WG2207191
Lead	22.9		2.42	5	01/25/2024 20:57	WG2207191
Manganese	291		12.1	20	01/25/2024 22:10	WG2207191
Nickel	12.1		3.03	5	01/25/2024 20:57	WG2207191
Selenium	ND		3.03	5	01/25/2024 20:57	WG2207191
Silver	ND		0.606	5	01/25/2024 20:57	WG2207191
Thallium	ND		2.42	5	01/26/2024 00:38	WG2207191
Vanadium	28.1		3.03	5	01/25/2024 20:57	WG2207191
Zinc	48.8		30.3	5	01/25/2024 20:57	WG2207191

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0727	1	01/15/2024 23:30	WG2207575
Acrylonitrile	ND		0.0182	1	01/15/2024 23:30	WG2207575
Benzene	ND		0.00145	1	01/15/2024 23:30	WG2207575
Bromobenzene	ND		0.0182	1	01/15/2024 23:30	WG2207575
Bromodichloromethane	ND		0.00363	1	01/15/2024 23:30	WG2207575
Bromoform	ND		0.0363	1	01/15/2024 23:30	WG2207575
Bromomethane	ND		0.0182	1	01/15/2024 23:30	WG2207575
n-Butylbenzene	ND		0.0182	1	01/15/2024 23:30	WG2207575
sec-Butylbenzene	ND		0.0182	1	01/15/2024 23:30	WG2207575
tert-Butylbenzene	ND		0.00727	1	01/15/2024 23:30	WG2207575
Carbon tetrachloride	ND		0.00727	1	01/15/2024 23:30	WG2207575
Chlorobenzene	ND		0.00363	1	01/15/2024 23:30	WG2207575
Chlorodibromomethane	ND		0.00363	1	01/15/2024 23:30	WG2207575
Chloroethane	ND		0.00727	1	01/15/2024 23:30	WG2207575
Chloroform	ND		0.00363	1	01/15/2024 23:30	WG2207575
Chloromethane	ND		0.0182	1	01/15/2024 23:30	WG2207575
2-Chlorotoluene	ND		0.00363	1	01/15/2024 23:30	WG2207575
4-Chlorotoluene	ND		0.00727	1	01/15/2024 23:30	WG2207575
1,2-Dibromo-3-Chloropropane	ND	C3	0.0363	1	01/15/2024 23:30	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00363	1	01/15/2024 23:30	WG2207575
Dibromomethane	ND		0.00727	1	01/15/2024 23:30	WG2207575
1,2-Dichlorobenzene	ND		0.00727	1	01/15/2024 23:30	WG2207575
1,3-Dichlorobenzene	ND		0.00727	1	01/15/2024 23:30	WG2207575
1,4-Dichlorobenzene	ND		0.00727	1	01/15/2024 23:30	WG2207575
Dichlorodifluoromethane	ND		0.00727	1	01/15/2024 23:30	WG2207575
1,1-Dichloroethane	ND		0.00363	1	01/15/2024 23:30	WG2207575
1,2-Dichloroethane	ND		0.00363	1	01/15/2024 23:30	WG2207575
1,1-Dichloroethene	ND		0.00363	1	01/15/2024 23:30	WG2207575
cis-1,2-Dichloroethene	ND		0.00363	1	01/15/2024 23:30	WG2207575
trans-1,2-Dichloroethene	ND		0.00727	1	01/15/2024 23:30	WG2207575
1,2-Dichloropropane	ND		0.00727	1	01/15/2024 23:30	WG2207575
1,1-Dichloropropene	ND		0.00363	1	01/15/2024 23:30	WG2207575
1,3-Dichloropropane	ND		0.00727	1	01/15/2024 23:30	WG2207575
cis-1,3-Dichloropropene	ND		0.00363	1	01/15/2024 23:30	WG2207575
trans-1,3-Dichloropropene	ND		0.00727	1	01/15/2024 23:30	WG2207575
2,2-Dichloropropane	ND		0.00363	1	01/15/2024 23:30	WG2207575
Di-isopropyl ether	ND		0.00145	1	01/15/2024 23:30	WG2207575
Ethylbenzene	ND		0.00363	1	01/15/2024 23:30	WG2207575
Hexachloro-1,3-butadiene	ND		0.0363	1	01/15/2024 23:30	WG2207575
Isopropylbenzene	ND		0.00363	1	01/15/2024 23:30	WG2207575
p-Isopropyltoluene	ND		0.00727	1	01/15/2024 23:30	WG2207575
2-Butanone (MEK)	ND		0.145	1	01/15/2024 23:30	WG2207575
Methylene Chloride	ND		0.0363	1	01/15/2024 23:30	WG2207575
4-Methyl-2-pentanone (MIBK)	ND		0.0363	1	01/15/2024 23:30	WG2207575
Methyl tert-butyl ether	ND		0.00145	1	01/15/2024 23:30	WG2207575
Naphthalene	ND		0.0182	1	01/15/2024 23:30	WG2207575
n-Propylbenzene	ND		0.00727	1	01/15/2024 23:30	WG2207575
Styrene	ND		0.0182	1	01/15/2024 23:30	WG2207575
1,1,1,2-Tetrachloroethane	ND		0.00363	1	01/15/2024 23:30	WG2207575
1,1,2,2-Tetrachloroethane	ND		0.00363	1	01/15/2024 23:30	WG2207575
Tetrachloroethene	ND		0.00363	1	01/15/2024 23:30	WG2207575
Toluene	ND		0.00727	1	01/15/2024 23:30	WG2207575
1,2,3-Trichlorobenzene	ND		0.0182	1	01/15/2024 23:30	WG2207575
1,2,4-Trichlorobenzene	ND		0.0182	1	01/15/2024 23:30	WG2207575
1,1,1-Trichloroethane	ND		0.00363	1	01/15/2024 23:30	WG2207575
1,1,2-Trichloroethane	ND		0.00363	1	01/15/2024 23:30	WG2207575
Trichloroethene	ND		0.00145	1	01/15/2024 23:30	WG2207575
Trichlorofluoromethane	ND		0.00363	1	01/15/2024 23:30	WG2207575
1,2,3-Trichloropropane	ND		0.0182	1	01/15/2024 23:30	WG2207575
1,2,4-Trimethylbenzene	ND		0.00727	1	01/15/2024 23:30	WG2207575
1,3,5-Trimethylbenzene	ND		0.00727	1	01/15/2024 23:30	WG2207575
Vinyl chloride	ND		0.00363	1	01/15/2024 23:30	WG2207575
Xylenes, Total	ND		0.00945	1	01/15/2024 23:30	WG2207575
(S) Toluene-d8	104		75.0-131		01/15/2024 23:30	WG2207575
(S) 4-Bromofluorobenzene	101		67.0-138		01/15/2024 23:30	WG2207575
(S) 1,2-Dichloroethane-d4	91.6		70.0-130		01/15/2024 23:30	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0403	1	01/18/2024 19:26	WG2208364
Acenaphthylene	ND		0.0403	1	01/18/2024 19:26	WG2208364
Anthracene	ND		0.0403	1	01/18/2024 19:26	WG2208364
Benzidine	ND		2.02	1	01/18/2024 19:26	WG2208364
Benzo(a)anthracene	0.0600		0.0403	1	01/18/2024 19:26	WG2208364

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.103		0.0403	1	01/18/2024 19:26	WG2208364
Benzo(k)fluoranthene	ND		0.0403	1	01/18/2024 19:26	WG2208364
Benzo(g,h,i)perylene	ND		0.0403	1	01/18/2024 19:26	WG2208364
Benzo(a)pyrene	0.0630		0.0403	1	01/18/2024 19:26	WG2208364
Bis(2-chloroethoxy)methane	ND		0.403	1	01/18/2024 19:26	WG2208364
Bis(2-chloroethyl)ether	ND		0.403	1	01/18/2024 19:26	WG2208364
2,2-Oxybis(1-Chloropropane)	ND		0.403	1	01/18/2024 19:26	WG2208364
4-Bromophenyl-phenylether	ND		0.403	1	01/18/2024 19:26	WG2208364
2-Chloronaphthalene	ND		0.0403	1	01/18/2024 19:26	WG2208364
4-Chlorophenyl-phenylether	ND		0.403	1	01/18/2024 19:26	WG2208364
Chrysene	0.0661		0.0403	1	01/18/2024 19:26	WG2208364
Dibenz(a,h)anthracene	ND		0.0403	1	01/18/2024 19:26	WG2208364
3,3-Dichlorobenzidine	ND		0.403	1	01/18/2024 19:26	WG2208364
2,4-Dinitrotoluene	ND		0.403	1	01/18/2024 19:26	WG2208364
2,6-Dinitrotoluene	ND		0.403	1	01/18/2024 19:26	WG2208364
Fluoranthene	0.107		0.0403	1	01/18/2024 19:26	WG2208364
Fluorene	ND		0.0403	1	01/18/2024 19:26	WG2208364
Hexachlorobenzene	ND		0.403	1	01/18/2024 19:26	WG2208364
Hexachloro-1,3-butadiene	ND		0.403	1	01/18/2024 19:26	WG2208364
Hexachlorocyclopentadiene	ND		0.403	1	01/18/2024 19:26	WG2208364
Hexachloroethane	ND		0.403	1	01/18/2024 19:26	WG2208364
Indeno(1,2,3-cd)pyrene	0.0418		0.0403	1	01/18/2024 19:26	WG2208364
Isophorone	ND		0.403	1	01/18/2024 19:26	WG2208364
Naphthalene	ND		0.0403	1	01/18/2024 19:26	WG2208364
Nitrobenzene	ND		0.403	1	01/18/2024 19:26	WG2208364
n-Nitrosodimethylamine	ND		0.403	1	01/18/2024 19:26	WG2208364
n-Nitrosodiphenylamine	ND		0.403	1	01/18/2024 19:26	WG2208364
n-Nitrosodi-n-propylamine	ND		0.403	1	01/18/2024 19:26	WG2208364
Phenanthrene	0.0471		0.0403	1	01/18/2024 19:26	WG2208364
Benzylbutyl phthalate	ND		0.403	1	01/18/2024 19:26	WG2208364
Bis(2-ethylhexyl)phthalate	ND		0.403	1	01/18/2024 19:26	WG2208364
Di-n-butyl phthalate	ND		0.403	1	01/18/2024 19:26	WG2208364
Diethyl phthalate	ND		0.403	1	01/18/2024 19:26	WG2208364
Dimethyl phthalate	ND		0.403	1	01/18/2024 19:26	WG2208364
Di-n-octyl phthalate	ND		0.403	1	01/18/2024 19:26	WG2208364
Pyrene	0.104		0.0403	1	01/18/2024 19:26	WG2208364
1,2,4-Trichlorobenzene	ND		0.403	1	01/18/2024 19:26	WG2208364
4-Chloro-3-methylphenol	ND		0.403	1	01/18/2024 19:26	WG2208364
2-Chlorophenol	ND		0.403	1	01/18/2024 19:26	WG2208364
2,4-Dichlorophenol	ND		0.403	1	01/18/2024 19:26	WG2208364
2,4-Dimethylphenol	ND		0.403	1	01/18/2024 19:26	WG2208364
4,6-Dinitro-2-methylphenol	ND		0.403	1	01/18/2024 19:26	WG2208364
2,4-Dinitrophenol	ND		0.403	1	01/18/2024 19:26	WG2208364
2-Nitrophenol	ND		0.403	1	01/18/2024 19:26	WG2208364
4-Nitrophenol	ND		0.403	1	01/18/2024 19:26	WG2208364
Pentachlorophenol	ND		0.403	1	01/18/2024 19:26	WG2208364
Phenol	ND		0.403	1	01/18/2024 19:26	WG2208364
2,4,6-Trichlorophenol	ND		0.403	1	01/18/2024 19:26	WG2208364
(S) 2-Fluorophenol	63.5		12.0-120		01/18/2024 19:26	WG2208364
(S) Phenol-d5	60.8		10.0-120		01/18/2024 19:26	WG2208364
(S) Nitrobenzene-d5	61.0		10.0-122		01/18/2024 19:26	WG2208364
(S) 2-Fluorobiphenyl	59.8		15.0-120		01/18/2024 19:26	WG2208364
(S) 2,4,6-Tribromophenol	55.7		10.0-127		01/18/2024 19:26	WG2208364
(S) p-Terphenyl-d14	60.7		10.0-120		01/18/2024 19:26	WG2208364

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	01/14/2024 22:20	WG2207348
Acrolein	ND		50.0	1	01/14/2024 22:20	WG2207348
Acrylonitrile	ND		10.0	1	01/14/2024 22:20	WG2207348
Benzene	ND		1.00	1	01/14/2024 22:20	WG2207348
Bromobenzene	ND		1.00	1	01/14/2024 22:20	WG2207348
Bromodichloromethane	ND		1.00	1	01/14/2024 22:20	WG2207348
Bromoform	ND	J3	1.00	1	01/14/2024 22:20	WG2207348
Bromomethane	ND		5.00	1	01/14/2024 22:20	WG2207348
n-Butylbenzene	ND		1.00	1	01/14/2024 22:20	WG2207348
sec-Butylbenzene	ND		1.00	1	01/14/2024 22:20	WG2207348
tert-Butylbenzene	ND		1.00	1	01/14/2024 22:20	WG2207348
Carbon tetrachloride	ND		1.00	1	01/14/2024 22:20	WG2207348
Chlorobenzene	ND		1.00	1	01/14/2024 22:20	WG2207348
Chlorodibromomethane	ND		1.00	1	01/14/2024 22:20	WG2207348
Chloroethane	ND		5.00	1	01/14/2024 22:20	WG2207348
Chloroform	ND		5.00	1	01/14/2024 22:20	WG2207348
Chloromethane	ND	C3	2.50	1	01/14/2024 22:20	WG2207348
2-Chlorotoluene	ND		1.00	1	01/14/2024 22:20	WG2207348
4-Chlorotoluene	ND		1.00	1	01/14/2024 22:20	WG2207348
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/14/2024 22:20	WG2207348
1,2-Dibromoethane	ND		1.00	1	01/14/2024 22:20	WG2207348
Dibromomethane	ND		1.00	1	01/14/2024 22:20	WG2207348
1,2-Dichlorobenzene	ND		1.00	1	01/14/2024 22:20	WG2207348
1,3-Dichlorobenzene	ND		1.00	1	01/14/2024 22:20	WG2207348
1,4-Dichlorobenzene	ND		1.00	1	01/14/2024 22:20	WG2207348
Dichlorodifluoromethane	ND	C3	5.00	1	01/14/2024 22:20	WG2207348
1,1-Dichloroethane	ND		1.00	1	01/14/2024 22:20	WG2207348
1,2-Dichloroethane	ND		1.00	1	01/14/2024 22:20	WG2207348
1,1-Dichloroethene	ND		1.00	1	01/14/2024 22:20	WG2207348
cis-1,2-Dichloroethene	ND		1.00	1	01/14/2024 22:20	WG2207348
trans-1,2-Dichloroethene	ND		1.00	1	01/14/2024 22:20	WG2207348
1,2-Dichloropropane	ND		1.00	1	01/14/2024 22:20	WG2207348
1,1-Dichloropropene	ND		1.00	1	01/14/2024 22:20	WG2207348
1,3-Dichloropropane	ND		1.00	1	01/14/2024 22:20	WG2207348
cis-1,3-Dichloropropene	ND		1.00	1	01/14/2024 22:20	WG2207348
trans-1,3-Dichloropropene	ND		1.00	1	01/14/2024 22:20	WG2207348
2,2-Dichloropropane	ND		1.00	1	01/14/2024 22:20	WG2207348
Di-isopropyl ether	ND		1.00	1	01/14/2024 22:20	WG2207348
Ethylbenzene	ND		1.00	1	01/14/2024 22:20	WG2207348
Hexachloro-1,3-butadiene	ND		1.00	1	01/14/2024 22:20	WG2207348
Isopropylbenzene	ND		1.00	1	01/14/2024 22:20	WG2207348
p-Isopropyltoluene	ND		1.00	1	01/14/2024 22:20	WG2207348
2-Butanone (MEK)	ND		10.0	1	01/14/2024 22:20	WG2207348
Methylene Chloride	ND		5.00	1	01/14/2024 22:20	WG2207348
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/14/2024 22:20	WG2207348
Methyl tert-butyl ether	ND		1.00	1	01/14/2024 22:20	WG2207348
Naphthalene	ND		5.00	1	01/14/2024 22:20	WG2207348
n-Propylbenzene	ND		1.00	1	01/14/2024 22:20	WG2207348
Styrene	ND		1.00	1	01/14/2024 22:20	WG2207348
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/14/2024 22:20	WG2207348
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/14/2024 22:20	WG2207348
Tetrachloroethene	ND		1.00	1	01/14/2024 22:20	WG2207348
Toluene	ND		1.00	1	01/14/2024 22:20	WG2207348
1,2,3-Trichlorobenzene	ND		1.00	1	01/14/2024 22:20	WG2207348
1,2,4-Trichlorobenzene	ND		1.00	1	01/14/2024 22:20	WG2207348
1,1,1-Trichloroethane	ND		1.00	1	01/14/2024 22:20	WG2207348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	01/14/2024 22:20	WG2207348
Trichloroethene	ND		1.00	1	01/14/2024 22:20	WG2207348
Trichlorofluoromethane	ND		5.00	1	01/14/2024 22:20	WG2207348
1,2,3-Trichloropropane	ND		2.50	1	01/14/2024 22:20	WG2207348
1,2,4-Trimethylbenzene	ND		1.00	1	01/14/2024 22:20	WG2207348
1,3,5-Trimethylbenzene	ND		1.00	1	01/14/2024 22:20	WG2207348
Vinyl chloride	ND		1.00	1	01/14/2024 22:20	WG2207348
Xylenes, Total	ND		3.00	1	01/14/2024 22:20	WG2207348
(S) Toluene-d8	104		80.0-120		01/14/2024 22:20	WG2207348
(S) 4-Bromofluorobenzene	94.4		77.0-126		01/14/2024 22:20	WG2207348
(S) 1,2-Dichloroethane-d4	102		70.0-130		01/14/2024 22:20	WG2207348

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023422-1 01/16/24 08:24

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

1 Cp

2 Tc

3 Ss

L1696128-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1696128-04 01/16/24 08:24 • (DUP) R4023422-3 01/16/24 08:24

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	82.9	83.0	1	0.0864		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4023422-2 01/16/24 08:24

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	99.9	90.0-110	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023416-1 01/16/24 08:09

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00200			

1 Cp

2 Tc

3 Ss

L1696142-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1696142-08 01/16/24 08:09 • (DUP) R4023416-3 01/16/24 08:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	72.9	72.2	1	1.08		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4023416-2 01/16/24 08:09

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	99.9	90.0-110	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024970-1 01/22/24 09:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1696041-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1696041-03 01/22/24 09:51 • (DUP) R4024970-3 01/22/24 09:57

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

L1696142-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1696142-03 01/22/24 11:36 • (DUP) R4024970-8 01/22/24 11:42

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4024970-2 01/22/24 09:45

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.5	105	80.0-120	

L1696041-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696041-04 01/22/24 10:03 • (MS) R4024970-4 01/22/24 10:10 • (MSD) R4024970-5 01/22/24 10:16

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	20.0	ND	20.5	24.4	103	122	1	75.0-125			17.3	20

L1696041-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1696041-04 01/22/24 10:03 • (MS) R4024970-6 01/22/24 10:22

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	641	ND	608	94.9	50	75.0-125	

Method Blank (MB)

(MB) R4023423-1 01/14/24 16:44

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4023423-2 01/14/24 16:46

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.453	90.6	80.0-120	

4 Cn

5 Sr

L1696099-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696099-01 01/14/24 16:49 • (MS) R4023423-3 01/14/24 16:51 • (MSD) R4023423-4 01/14/24 16:54

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.600	ND	0.543	0.561	90.5	93.5	1	75.0-125			3.24	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4026414-1 01/25/24 20:26

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
Cadmium	U		0.0855	1.00
Chromium	U		0.297	5.00
Cobalt	U		0.0463	1.00
Copper	U		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
Vanadium	U		0.187	2.50
Zinc	U		0.740	25.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4026437-1 01/26/24 00:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Beryllium	U		0.138	2.50
Thallium	U		0.0650	2.00

Laboratory Control Sample (LCS)

(LCS) R4026414-2 01/25/24 20:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	92.3	92.3	80.0-120	
Arsenic	100	101	101	80.0-120	
Barium	100	90.9	90.9	80.0-120	
Cadmium	100	103	103	80.0-120	
Chromium	100	97.4	97.4	80.0-120	
Cobalt	100	99.5	99.5	80.0-120	
Copper	100	88.5	88.5	80.0-120	
Lead	100	94.1	94.1	80.0-120	
Manganese	100	98.0	98.0	80.0-120	
Nickel	100	102	102	80.0-120	
Selenium	100	103	103	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4026414-2 01/25/24 20:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver	20.0	20.0	100	80.0-120	
Vanadium	100	94.7	94.7	80.0-120	
Zinc	100	99.5	99.5	80.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4026437-2 01/26/24 00:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Beryllium	100	97.4	97.4	80.0-120	
Thallium	100	91.2	91.2	80.0-120	

L1696370-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696370-01 01/25/24 20:35 • (MS) R4026414-5 01/25/24 20:48 • (MSD) R4026414-6 01/25/24 20:52

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 %
Antimony	100	ND	76.2	69.8	75.7	69.3	5	75.0-125		J6	8.79	20
Arsenic	100	6.47	109	103	103	96.3	5	75.0-125			5.98	20
Barium	100	228	278	271	50.1	43.5	5	75.0-125	J6	J6	2.40	20
Cadmium	100	ND	116	108	115	107	5	75.0-125			6.93	20
Chromium	100	19.3	123	116	104	97.0	5	75.0-125			5.55	20
Cobalt	100	7.43	109	101	102	94.0	5	75.0-125			7.35	20
Copper	100	14.5	113	105	98.8	90.4	5	75.0-125			7.68	20
Lead	100	14.9	116	115	101	100	5	75.0-125			0.555	20
Manganese	100	279	352	343	73.7	64.7	5	75.0-125	J6	J6	2.57	20
Nickel	100	20.7	124	115	103	94.0	5	75.0-125			7.37	20
Selenium	100	ND	116	108	116	107	5	75.0-125	E	E	7.82	20
Silver	20.0	ND	21.6	19.8	108	99.2	5	75.0-125			8.32	20
Vanadium	100	45.6	149	139	103	93.4	5	75.0-125			6.90	20
Zinc	100	71.2	170	158	98.7	87.2	5	75.0-125			6.98	20

L1696370-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696370-01 01/26/24 00:21 • (MS) R4026437-5 01/26/24 00:31 • (MSD) R4026437-6 01/26/24 00:34

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 %
Beryllium	100	ND	105	95.6	104	94.6	5	75.0-125			9.60	20
Thallium	100	ND	100	94.6	99.8	94.3	5	75.0-125			5.70	20

Method Blank (MB)

(MB) R4026387-1 01/25/24 18:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	0.244	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	U		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

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

Laboratory Control Sample (LCS)

(LCS) R4026387-2 01/25/24 18:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	102	102	80.0-120	
Arsenic	100	97.4	97.4	80.0-120	
Barium	100	93.6	93.6	80.0-120	
Beryllium	100	92.9	92.9	80.0-120	
Cadmium	100	99.0	99.0	80.0-120	
Chromium	100	95.8	95.8	80.0-120	
Cobalt	100	96.8	96.8	80.0-120	
Copper	100	101	101	80.0-120	
Lead	100	96.7	96.7	80.0-120	
Manganese	100	98.7	98.7	80.0-120	
Nickel	100	100	100	80.0-120	
Selenium	100	97.2	97.2	80.0-120	
Silver	20.0	20.1	100	80.0-120	
Thallium	100	96.1	96.1	80.0-120	
Vanadium	100	96.2	96.2	80.0-120	
Zinc	100	95.7	95.7	80.0-120	

L1696158-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696158-06 01/25/24 18:54 • (MS) R4026387-5 01/25/24 19:04 • (MSD) R4026387-6 01/25/24 19:07

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	137	ND	96.5	90.7	70.1	65.8	5	75.0-125	<u>J6</u>	<u>J6</u>	6.27	20
Arsenic	137	3.79	128	124	90.8	87.3	5	75.0-125			3.78	20
Barium	137	151	295	286	105	98.3	5	75.0-125			3.15	20
Beryllium	137	ND	128	125	92.4	90.5	5	75.0-125	<u>E</u>	<u>E</u>	2.11	20
Cadmium	137	ND	137	134	99.5	97.2	5	75.0-125			2.27	20
Chromium	137	30.1	157	152	92.1	88.9	5	75.0-125			2.83	20
Cobalt	137	13.2	140	135	92.6	88.8	5	75.0-125			3.75	20
Copper	137	19.7	157	157	99.9	99.6	5	75.0-125			0.301	20
Lead	137	32.4	164	158	95.7	91.6	5	75.0-125			3.44	20
Manganese	137	748	837	887	64.7	101	5	75.0-125	<u>V</u>		5.84	20
Nickel	137	16.1	147	142	95.4	91.6	5	75.0-125			3.60	20
Selenium	137	ND	136	132	98.1	95.5	5	75.0-125			2.67	20
Silver	27.5	ND	28.0	27.4	102	99.8	5	75.0-125			2.01	20
Thallium	137	ND	128	127	92.8	92.3	5	75.0-125			0.574	20
Vanadium	137	45.5	175	170	94.2	90.7	5	75.0-125			2.76	20
Zinc	137	44.6	177	166	96.4	88.3	5	75.0-125			6.47	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4023401-1 01/16/24 15:13

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	U		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	1.10	↓	0.740	25.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4023401-2 01/16/24 15:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	105	105	80.0-120	
Arsenic	100	94.5	94.5	80.0-120	
Barium	100	91.4	91.4	80.0-120	
Beryllium	100	92.4	92.4	80.0-120	
Cadmium	100	95.8	95.8	80.0-120	
Chromium	100	94.0	94.0	80.0-120	
Cobalt	100	96.0	96.0	80.0-120	
Copper	100	92.2	92.2	80.0-120	
Lead	100	92.7	92.7	80.0-120	
Manganese	100	95.2	95.2	80.0-120	
Nickel	100	95.8	95.8	80.0-120	
Selenium	100	91.8	91.8	80.0-120	
Silver	20.0	19.2	96.0	80.0-120	
Thallium	100	92.8	92.8	80.0-120	
Vanadium	100	93.3	93.3	80.0-120	
Zinc	100	88.4	88.4	80.0-120	

L1695848-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695848-01 01/16/24 15:20 • (MS) R4023401-5 01/16/24 15:30 • (MSD) R4023401-6 01/16/24 15:33

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	115	ND	80.4	73.1	69.6	63.2	5	75.0-125	<u>J6</u>	<u>J6</u>	9.58	20
Arsenic	115	7.95	116	111	94.0	89.4	5	75.0-125			4.62	20
Barium	115	57.8	166	184	93.6	109	5	75.0-125			10.4	20
Beryllium	115	ND	108	103	92.9	89.3	5	75.0-125			3.99	20
Cadmium	115	ND	112	108	96.9	93.9	5	75.0-125			3.17	20
Chromium	115	13.0	118	116	90.7	89.1	5	75.0-125			1.62	20
Cobalt	115	7.47	119	112	96.4	90.3	5	75.0-125			6.05	20
Copper	115	9.95	113	108	89.0	85.3	5	75.0-125			3.87	20
Lead	115	11.6	114	108	89.1	84.0	5	75.0-125			5.27	20
Manganese	115	411	618	550	180	121	5	75.0-125	<u>J5</u>		11.6	20
Nickel	115	9.83	120	117	95.4	93.0	5	75.0-125			2.33	20
Selenium	115	ND	108	104	93.2	89.3	5	75.0-125			4.26	20
Silver	23.0	ND	22.0	21.5	95.3	93.1	5	75.0-125			2.29	20
Thallium	115	ND	106	100	92.2	86.6	5	75.0-125			6.29	20
Vanadium	115	19.8	122	120	88.5	87.2	5	75.0-125			1.28	20
Zinc	115	34.5	136	138	87.9	89.6	5	75.0-125			1.46	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4023093-3 01/14/24 21:13

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023093-3 01/14/24 21:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	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	101			80.0-120
(S) 4-Bromofluorobenzene	92.1			77.0-126
(S) 1,2-Dichloroethane-d4	99.9			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4023093-1 01/14/24 20:07 • (LCSD) R4023093-2 01/14/24 20:29

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Acetone	25.0	28.8	27.1	115	108	19.0-160			6.08	27
Acrolein	25.0	31.4	27.3	126	109	10.0-160			14.0	26
Acrylonitrile	25.0	25.8	22.8	103	91.2	55.0-149			12.3	20
Benzene	5.00	4.68	4.22	93.6	84.4	70.0-123			10.3	20
Bromobenzene	5.00	5.01	4.65	100	93.0	73.0-121			7.45	20
Bromodichloromethane	5.00	4.77	4.25	95.4	85.0	75.0-120			11.5	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4023093-1 01/14/24 20:07 • (LCSD) R4023093-2 01/14/24 20:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromoform	5.00	4.67	3.81	93.4	76.2	68.0-132		J3	20.3	20
Bromomethane	5.00	5.25	4.59	105	91.8	10.0-160			13.4	25
n-Butylbenzene	5.00	5.07	4.83	101	96.6	73.0-125			4.85	20
sec-Butylbenzene	5.00	5.13	4.75	103	95.0	75.0-125			7.69	20
tert-Butylbenzene	5.00	4.94	4.57	98.8	91.4	76.0-124			7.78	20
Carbon tetrachloride	5.00	4.58	4.14	91.6	82.8	68.0-126			10.1	20
Chlorobenzene	5.00	4.91	4.49	98.2	89.8	80.0-121			8.94	20
Chlorodibromomethane	5.00	4.75	4.27	95.0	85.4	77.0-125			10.6	20
Chloroethane	5.00	5.36	4.47	107	89.4	47.0-150			18.1	20
Chloroform	5.00	4.80	4.28	96.0	85.6	73.0-120			11.5	20
Chloromethane	5.00	3.75	3.76	75.0	75.2	41.0-142			0.266	20
2-Chlorotoluene	5.00	4.98	4.85	99.6	97.0	76.0-123			2.64	20
4-Chlorotoluene	5.00	4.92	4.66	98.4	93.2	75.0-122			5.43	20
1,2-Dibromo-3-Chloropropane	5.00	4.23	3.83	84.6	76.6	58.0-134			9.93	20
1,2-Dibromoethane	5.00	5.06	4.37	101	87.4	80.0-122			14.6	20
Dibromomethane	5.00	4.90	4.29	98.0	85.8	80.0-120			13.3	20
1,2-Dichlorobenzene	5.00	5.22	4.78	104	95.6	79.0-121			8.80	20
1,3-Dichlorobenzene	5.00	5.04	4.71	101	94.2	79.0-120			6.77	20
1,4-Dichlorobenzene	5.00	4.89	4.83	97.8	96.6	79.0-120			1.23	20
Dichlorodifluoromethane	5.00	3.88	3.43	77.6	68.6	51.0-149			12.3	20
1,1-Dichloroethane	5.00	4.86	4.30	97.2	86.0	70.0-126			12.2	20
1,2-Dichloroethane	5.00	5.35	4.86	107	97.2	70.0-128			9.60	20
1,1-Dichloroethene	5.00	4.15	4.09	83.0	81.8	71.0-124			1.46	20
cis-1,2-Dichloroethene	5.00	4.69	4.23	93.8	84.6	73.0-120			10.3	20
trans-1,2-Dichloroethene	5.00	4.33	3.88	86.6	77.6	73.0-120			11.0	20
1,2-Dichloropropane	5.00	4.71	4.29	94.2	85.8	77.0-125			9.33	20
1,1-Dichloropropene	5.00	4.78	4.32	95.6	86.4	74.0-126			10.1	20
1,3-Dichloropropane	5.00	5.02	4.70	100	94.0	80.0-120			6.58	20
cis-1,3-Dichloropropene	5.00	4.83	4.53	96.6	90.6	80.0-123			6.41	20
trans-1,3-Dichloropropene	5.00	5.00	4.52	100	90.4	78.0-124			10.1	20
2,2-Dichloropropane	5.00	5.32	4.37	106	87.4	58.0-130			19.6	20
Di-isopropyl ether	5.00	4.84	4.43	96.8	88.6	58.0-138			8.85	20
Ethylbenzene	5.00	4.91	4.54	98.2	90.8	79.0-123			7.83	20
Hexachloro-1,3-butadiene	5.00	5.60	4.76	112	95.2	54.0-138			16.2	20
Isopropylbenzene	5.00	4.99	4.49	99.8	89.8	76.0-127			10.5	20
p-Isopropyltoluene	5.00	4.90	4.83	98.0	96.6	76.0-125			1.44	20
2-Butanone (MEK)	25.0	27.4	26.3	110	105	44.0-160			4.10	20
Methylene Chloride	5.00	4.48	4.10	89.6	82.0	67.0-120			8.86	20
4-Methyl-2-pentanone (MIBK)	25.0	26.8	23.8	107	95.2	68.0-142			11.9	20
Methyl tert-butyl ether	5.00	5.01	4.36	100	87.2	68.0-125			13.9	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4023093-1 01/14/24 20:07 • (LCSD) R4023093-2 01/14/24 20:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Naphthalene	5.00	4.72	4.13	94.4	82.6	54.0-135			13.3	20
n-Propylbenzene	5.00	4.96	4.73	99.2	94.6	77.0-124			4.75	20
Styrene	5.00	4.65	4.26	93.0	85.2	73.0-130			8.75	20
1,1,1,2-Tetrachloroethane	5.00	5.26	4.37	105	87.4	75.0-125			18.5	20
1,1,2,2-Tetrachloroethane	5.00	4.97	4.36	99.4	87.2	65.0-130			13.1	20
Tetrachloroethene	5.00	4.65	4.21	93.0	84.2	72.0-132			9.93	20
Toluene	5.00	4.93	4.33	98.6	86.6	79.0-120			13.0	20
1,2,3-Trichlorobenzene	5.00	5.21	4.78	104	95.6	50.0-138			8.61	20
1,2,4-Trichlorobenzene	5.00	4.96	4.75	99.2	95.0	57.0-137			4.33	20
1,1,1-Trichloroethane	5.00	4.77	4.21	95.4	84.2	73.0-124			12.5	20
1,1,2-Trichloroethane	5.00	4.82	4.21	96.4	84.2	80.0-120			13.5	20
Trichloroethene	5.00	4.92	4.43	98.4	88.6	78.0-124			10.5	20
Trichlorofluoromethane	5.00	5.19	4.71	104	94.2	59.0-147			9.70	20
1,2,3-Trichloropropane	5.00	5.61	5.35	112	107	73.0-130			4.74	20
1,2,4-Trimethylbenzene	5.00	4.95	4.56	99.0	91.2	76.0-121			8.20	20
1,3,5-Trimethylbenzene	5.00	5.02	4.70	100	94.0	76.0-122			6.58	20
Vinyl chloride	5.00	4.93	4.37	98.6	87.4	67.0-131			12.0	20
Xylenes, Total	15.0	14.8	13.2	98.7	88.0	79.0-123			11.4	20
(S) Toluene-d8				100	101	80.0-120				
(S) 4-Bromofluorobenzene				95.7	96.7	77.0-126				
(S) 1,2-Dichloroethane-d4				103	100	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023227-3 01/15/24 19:57

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	0.00218	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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023227-3 01/15/24 19:57

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	93.7			75.0-131
(S) 4-Bromofluorobenzene	93.8			67.0-138
(S) 1,2-Dichloroethane-d4	101			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4023227-1 01/15/24 18:23 • (LCSD) R4023227-2 01/15/24 18:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.428	0.451	68.5	72.2	10.0-160			5.23	31
Acrylonitrile	0.625	0.709	0.699	113	112	45.0-153			1.42	22
Benzene	0.125	0.128	0.130	102	104	70.0-123			1.55	20
Bromobenzene	0.125	0.133	0.135	106	108	73.0-121			1.49	20
Bromodichloromethane	0.125	0.141	0.147	113	118	73.0-121			4.17	20
Bromoform	0.125	0.0928	0.0997	74.2	79.8	64.0-132			7.17	20
Bromomethane	0.125	0.103	0.114	82.4	91.2	56.0-147			10.1	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4023227-1 01/15/24 18:23 • (LCSD) R4023227-2 01/15/24 18:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.121	0.123	96.8	98.4	68.0-135			1.64	20
sec-Butylbenzene	0.125	0.148	0.146	118	117	74.0-130			1.36	20
tert-Butylbenzene	0.125	0.137	0.140	110	112	75.0-127			2.17	20
Carbon tetrachloride	0.125	0.123	0.130	98.4	104	66.0-128			5.53	20
Chlorobenzene	0.125	0.114	0.117	91.2	93.6	76.0-128			2.60	20
Chlorodibromomethane	0.125	0.107	0.107	85.6	85.6	74.0-127			0.000	20
Chloroethane	0.125	0.121	0.124	96.8	99.2	61.0-134			2.45	20
Chloroform	0.125	0.131	0.137	105	110	72.0-123			4.48	20
Chloromethane	0.125	0.0941	0.0996	75.3	79.7	51.0-138			5.68	20
2-Chlorotoluene	0.125	0.127	0.130	102	104	75.0-124			2.33	20
4-Chlorotoluene	0.125	0.157	0.162	126	130	75.0-124	J4	J4	3.13	20
1,2-Dibromo-3-Chloropropane	0.125	0.116	0.123	92.8	98.4	59.0-130			5.86	20
1,2-Dibromoethane	0.125	0.114	0.118	91.2	94.4	74.0-128			3.45	20
Dibromomethane	0.125	0.138	0.141	110	113	75.0-122			2.15	20
1,2-Dichlorobenzene	0.125	0.127	0.133	102	106	76.0-124			4.62	20
1,3-Dichlorobenzene	0.125	0.128	0.133	102	106	76.0-125			3.83	20
1,4-Dichlorobenzene	0.125	0.130	0.130	104	104	77.0-121			0.000	20
Dichlorodifluoromethane	0.125	0.132	0.145	106	116	43.0-156			9.39	20
1,1-Dichloroethane	0.125	0.122	0.124	97.6	99.2	70.0-127			1.63	20
1,2-Dichloroethane	0.125	0.143	0.140	114	112	65.0-131			2.12	20
1,1-Dichloroethene	0.125	0.123	0.134	98.4	107	65.0-131			8.56	20
cis-1,2-Dichloroethene	0.125	0.120	0.119	96.0	95.2	73.0-125			0.837	20
trans-1,2-Dichloroethene	0.125	0.126	0.129	101	103	71.0-125			2.35	20
1,2-Dichloropropane	0.125	0.139	0.134	111	107	74.0-125			3.66	20
1,1-Dichloropropene	0.125	0.140	0.145	112	116	73.0-125			3.51	20
1,3-Dichloropropane	0.125	0.132	0.134	106	107	80.0-125			1.50	20
cis-1,3-Dichloropropene	0.125	0.145	0.145	116	116	76.0-127			0.000	20
trans-1,3-Dichloropropene	0.125	0.128	0.131	102	105	73.0-127			2.32	20
2,2-Dichloropropane	0.125	0.136	0.144	109	115	59.0-135			5.71	20
Di-isopropyl ether	0.125	0.113	0.109	90.4	87.2	60.0-136			3.60	20
Ethylbenzene	0.125	0.118	0.122	94.4	97.6	74.0-126			3.33	20
Hexachloro-1,3-butadiene	0.125	0.142	0.151	114	121	57.0-150			6.14	20
Isopropylbenzene	0.125	0.121	0.126	96.8	101	72.0-127			4.05	20
p-Isopropyltoluene	0.125	0.135	0.142	108	114	72.0-133			5.05	20
2-Butanone (MEK)	0.625	0.651	0.731	104	117	30.0-160			11.6	24
Methylene Chloride	0.125	0.117	0.119	93.6	95.2	68.0-123			1.69	20
4-Methyl-2-pentanone (MIBK)	0.625	0.615	0.620	98.4	99.2	56.0-143			0.810	20
Methyl tert-butyl ether	0.125	0.130	0.134	104	107	66.0-132			3.03	20
Naphthalene	0.125	0.104	0.119	83.2	95.2	59.0-130			13.5	20
n-Propylbenzene	0.125	0.155	0.160	124	128	74.0-126		J4	3.17	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4023227-1 01/15/24 18:23 • (LCSD) R4023227-2 01/15/24 18:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Styrene	0.125	0.110	0.111	88.0	88.8	72.0-127			0.905	20
1,1,1,2-Tetrachloroethane	0.125	0.102	0.104	81.6	83.2	74.0-129			1.94	20
1,1,2,2-Tetrachloroethane	0.125	0.152	0.151	122	121	68.0-128			0.660	20
Tetrachloroethene	0.125	0.109	0.116	87.2	92.8	70.0-136			6.22	20
Toluene	0.125	0.122	0.127	97.6	102	75.0-121			4.02	20
1,2,3-Trichlorobenzene	0.125	0.105	0.118	84.0	94.4	59.0-139			11.7	20
1,2,4-Trichlorobenzene	0.125	0.109	0.118	87.2	94.4	62.0-137			7.93	20
1,1,1-Trichloroethane	0.125	0.134	0.143	107	114	69.0-126			6.50	20
1,1,2-Trichloroethane	0.125	0.131	0.129	105	103	78.0-123			1.54	20
Trichloroethene	0.125	0.114	0.116	91.2	92.8	76.0-126			1.74	20
Trichlorofluoromethane	0.125	0.121	0.142	96.8	114	61.0-142			16.0	20
1,2,3-Trichloropropane	0.125	0.159	0.161	127	129	67.0-129			1.25	20
1,2,4-Trimethylbenzene	0.125	0.146	0.153	117	122	70.0-126			4.68	20
1,3,5-Trimethylbenzene	0.125	0.144	0.148	115	118	73.0-127			2.74	20
Vinyl chloride	0.125	0.110	0.118	88.0	94.4	63.0-134			7.02	20
Xylenes, Total	0.375	0.353	0.366	94.1	97.6	72.0-127			3.62	20
(S) Toluene-d8				91.9	91.2	75.0-131				
(S) 4-Bromofluorobenzene				93.0	94.7	67.0-138				
(S) 1,2-Dichloroethane-d4				114	115	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1696049-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696049-01 01/16/24 01:12 • (MS) R4023227-4 01/16/24 04:23 • (MSD) R4023227-5 01/16/24 04:42

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 %
Acetone	0.625	ND	0.205	0.241	32.8	38.6	1	10.0-160			16.1	40
Acrylonitrile	0.625	ND	0.551	0.571	88.2	91.4	1	10.0-160			3.57	40
Benzene	0.125	ND	0.104	0.104	83.2	83.2	1	10.0-149			0.000	37
Bromobenzene	0.125	ND	0.118	0.123	94.4	98.4	1	10.0-156			4.15	38
Bromodichloromethane	0.125	ND	0.121	0.126	96.8	101	1	10.0-143			4.05	37
Bromoform	0.125	ND	0.0848	0.0912	67.8	73.0	1	10.0-146			7.27	36
Bromomethane	0.125	ND	0.0421	0.0440	33.7	35.2	1	10.0-149			4.41	38
n-Butylbenzene	0.125	ND	0.102	0.112	81.6	89.6	1	10.0-160			9.35	40
sec-Butylbenzene	0.125	ND	0.121	0.129	96.8	103	1	10.0-159			6.40	39
tert-Butylbenzene	0.125	ND	0.116	0.119	92.8	95.2	1	10.0-156			2.55	39
Carbon tetrachloride	0.125	ND	0.0806	0.0820	64.5	65.6	1	10.0-145			1.72	37
Chlorobenzene	0.125	ND	0.0995	0.105	79.6	84.0	1	10.0-152			5.38	39
Chlorodibromomethane	0.125	ND	0.0940	0.0981	75.2	78.5	1	10.0-146			4.27	37
Chloroethane	0.125	ND	0.0315	0.0241	25.2	19.3	1	10.0-146			26.6	40

L1696049-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696049-01 01/16/24 01:12 • (MS) R4023227-4 01/16/24 04:23 • (MSD) R4023227-5 01/16/24 04:42

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 %
Chloroform	0.125	ND	0.105	0.106	84.0	84.8	1	10.0-146			0.948	37
Chloromethane	0.125	ND	0.0615	0.0662	49.2	53.0	1	10.0-159			7.36	37
2-Chlorotoluene	0.125	ND	0.102	0.116	81.6	92.8	1	10.0-159			12.8	38
4-Chlorotoluene	0.125	ND	0.129	0.137	103	110	1	10.0-155			6.02	39
1,2-Dibromo-3-Chloropropane	0.125	ND	0.0927	0.0960	74.2	76.8	1	10.0-151			3.50	39
1,2-Dibromoethane	0.125	ND	0.103	0.112	82.4	89.6	1	10.0-148			8.37	34
Dibromomethane	0.125	ND	0.120	0.127	96.0	102	1	10.0-147			5.67	35
1,2-Dichlorobenzene	0.125	ND	0.123	0.129	98.4	103	1	10.0-155			4.76	37
1,3-Dichlorobenzene	0.125	ND	0.118	0.126	94.4	101	1	10.0-153			6.56	38
1,4-Dichlorobenzene	0.125	ND	0.120	0.126	96.0	101	1	10.0-151			4.88	38
Dichlorodifluoromethane	0.125	ND	0.0958	0.105	76.6	84.0	1	10.0-160			9.16	35
1,1-Dichloroethane	0.125	ND	0.0922	0.0987	73.8	79.0	1	10.0-147			6.81	37
1,2-Dichloroethane	0.125	ND	0.126	0.133	101	106	1	10.0-148			5.41	35
1,1-Dichloroethene	0.125	ND	0.0607	0.0861	48.6	68.9	1	10.0-155			34.6	37
cis-1,2-Dichloroethene	0.125	ND	0.0930	0.0974	74.4	77.9	1	10.0-149			4.62	37
trans-1,2-Dichloroethene	0.125	ND	0.0787	0.0826	63.0	66.1	1	10.0-150			4.84	37
1,2-Dichloropropane	0.125	ND	0.111	0.121	88.8	96.8	1	10.0-148			8.62	37
1,1-Dichloropropene	0.125	ND	0.0981	0.110	78.5	88.0	1	10.0-153			11.4	35
1,3-Dichloropropane	0.125	ND	0.123	0.133	98.4	106	1	10.0-154			7.81	35
cis-1,3-Dichloropropene	0.125	ND	0.127	0.133	102	106	1	10.0-151			4.62	37
trans-1,3-Dichloropropene	0.125	ND	0.116	0.126	92.8	101	1	10.0-148			8.26	37
2,2-Dichloropropane	0.125	ND	0.0775	0.0790	62.0	63.2	1	10.0-138			1.92	36
Di-isopropyl ether	0.125	ND	0.0915	0.0951	73.2	76.1	1	10.0-147			3.86	36
Ethylbenzene	0.125	ND	0.100	0.106	80.0	84.8	1	10.0-160			5.83	38
Hexachloro-1,3-butadiene	0.125	ND	0.123	0.137	98.4	110	1	10.0-160			10.8	40
Isopropylbenzene	0.125	ND	0.101	0.110	80.8	88.0	1	10.0-155			8.53	38
p-Isopropyltoluene	0.125	ND	0.115	0.124	92.0	99.2	1	10.0-160			7.53	40
2-Butanone (MEK)	0.625	ND	0.509	0.538	81.4	86.1	1	10.0-160			5.54	40
Methylene Chloride	0.125	ND	0.0817	0.101	65.4	80.8	1	10.0-141			21.1	37
4-Methyl-2-pentanone (MIBK)	0.625	ND	0.529	0.554	84.6	88.6	1	10.0-160			4.62	35
Methyl tert-butyl ether	0.125	ND	0.0989	0.113	79.1	90.4	1	11.0-147			13.3	35
Naphthalene	0.125	ND	0.108	0.123	86.4	98.4	1	10.0-160			13.0	36
n-Propylbenzene	0.125	ND	0.130	0.138	104	110	1	10.0-158			5.97	38
Styrene	0.125	ND	0.0940	0.100	75.2	80.0	1	10.0-160			6.19	40
1,1,1,2-Tetrachloroethane	0.125	ND	0.0871	0.0954	69.7	76.3	1	10.0-149			9.10	39
1,1,2,2-Tetrachloroethane	0.125	ND	0.114	0.129	91.2	103	1	10.0-160			12.3	35
Tetrachloroethene	0.125	ND	0.0849	0.0924	67.9	73.9	1	10.0-156			8.46	39
Toluene	0.125	ND	0.0987	0.106	79.0	84.8	1	10.0-156			7.13	38
1,2,3-Trichlorobenzene	0.125	ND	0.106	0.132	84.8	106	1	10.0-160			21.8	40
1,2,4-Trichlorobenzene	0.125	ND	0.122	0.139	97.6	111	1	10.0-160			13.0	40

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1696049-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696049-01 01/16/24 01:12 • (MS) R4023227-4 01/16/24 04:23 • (MSD) R4023227-5 01/16/24 04:42

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 %
1,1,1-Trichloroethane	0.125	ND	0.0849	0.110	67.9	88.0	1	10.0-144			25.8	35
1,1,2-Trichloroethane	0.125	ND	0.120	0.125	96.0	100	1	10.0-160			4.08	35
Trichloroethene	0.125	ND	0.0987	0.0956	79.0	76.5	1	10.0-156			3.19	38
Trichlorofluoromethane	0.125	ND	0.0475	0.0487	38.0	39.0	1	10.0-160			2.49	40
1,2,3-Trichloropropane	0.125	ND	0.142	0.147	114	118	1	10.0-156			3.46	35
1,2,4-Trimethylbenzene	0.125	ND	0.123	0.132	98.4	106	1	10.0-160			7.06	36
1,3,5-Trimethylbenzene	0.125	ND	0.118	0.128	94.4	102	1	10.0-160			8.13	38
Vinyl chloride	0.125	ND	0.0805	0.0838	64.4	67.0	1	10.0-160			4.02	37
Xylenes, Total	0.375	ND	0.299	0.315	79.3	83.6	1	10.0-160			5.21	38
(S) Toluene-d8					89.4	93.7		75.0-131				
(S) 4-Bromofluorobenzene					93.7	97.3		67.0-138				
(S) 1,2-Dichloroethane-d4					106	112		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023573-3 01/15/24 20:23

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023573-3 01/15/24 20:23

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	99.6			75.0-131
(S) 4-Bromofluorobenzene	101			67.0-138
(S) 1,2-Dichloroethane-d4	90.0			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4023573-1 01/15/24 18:48 • (LCSD) R4023573-2 01/15/24 19:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.699	0.639	112	102	10.0-160			8.97	31
Acrylonitrile	0.625	0.557	0.517	89.1	82.7	45.0-153			7.45	22
Benzene	0.125	0.113	0.110	90.4	88.0	70.0-123			2.69	20
Bromobenzene	0.125	0.129	0.124	103	99.2	73.0-121			3.95	20
Bromodichloromethane	0.125	0.116	0.116	92.8	92.8	73.0-121			0.000	20
Bromoform	0.125	0.109	0.109	87.2	87.2	64.0-132			0.000	20
Bromomethane	0.125	0.110	0.104	88.0	83.2	56.0-147			5.61	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4023573-1 01/15/24 18:48 • (LCSD) R4023573-2 01/15/24 19:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.123	0.122	98.4	97.6	68.0-135			0.816	20
sec-Butylbenzene	0.125	0.118	0.118	94.4	94.4	74.0-130			0.000	20
tert-Butylbenzene	0.125	0.129	0.124	103	99.2	75.0-127			3.95	20
Carbon tetrachloride	0.125	0.125	0.118	100	94.4	66.0-128			5.76	20
Chlorobenzene	0.125	0.122	0.115	97.6	92.0	76.0-128			5.91	20
Chlorodibromomethane	0.125	0.110	0.104	88.0	83.2	74.0-127			5.61	20
Chloroethane	0.125	0.120	0.110	96.0	88.0	61.0-134			8.70	20
Chloroform	0.125	0.116	0.108	92.8	86.4	72.0-123			7.14	20
Chloromethane	0.125	0.118	0.110	94.4	88.0	51.0-138			7.02	20
2-Chlorotoluene	0.125	0.126	0.117	101	93.6	75.0-124			7.41	20
4-Chlorotoluene	0.125	0.124	0.117	99.2	93.6	75.0-124			5.81	20
1,2-Dibromo-3-Chloropropane	0.125	0.0965	0.0955	77.2	76.4	59.0-130			1.04	20
1,2-Dibromoethane	0.125	0.115	0.111	92.0	88.8	74.0-128			3.54	20
Dibromomethane	0.125	0.118	0.113	94.4	90.4	75.0-122			4.33	20
1,2-Dichlorobenzene	0.125	0.122	0.116	97.6	92.8	76.0-124			5.04	20
1,3-Dichlorobenzene	0.125	0.123	0.119	98.4	95.2	76.0-125			3.31	20
1,4-Dichlorobenzene	0.125	0.117	0.116	93.6	92.8	77.0-121			0.858	20
Dichlorodifluoromethane	0.125	0.121	0.112	96.8	89.6	43.0-156			7.73	20
1,1-Dichloroethane	0.125	0.122	0.113	97.6	90.4	70.0-127			7.66	20
1,2-Dichloroethane	0.125	0.104	0.103	83.2	82.4	65.0-131			0.966	20
1,1-Dichloroethene	0.125	0.127	0.115	102	92.0	65.0-131			9.92	20
cis-1,2-Dichloroethene	0.125	0.120	0.107	96.0	85.6	73.0-125			11.5	20
trans-1,2-Dichloroethene	0.125	0.119	0.108	95.2	86.4	71.0-125			9.69	20
1,2-Dichloropropane	0.125	0.119	0.116	95.2	92.8	74.0-125			2.55	20
1,1-Dichloropropene	0.125	0.123	0.114	98.4	91.2	73.0-125			7.59	20
1,3-Dichloropropane	0.125	0.116	0.117	92.8	93.6	80.0-125			0.858	20
cis-1,3-Dichloropropene	0.125	0.122	0.121	97.6	96.8	76.0-127			0.823	20
trans-1,3-Dichloropropene	0.125	0.125	0.124	100	99.2	73.0-127			0.803	20
2,2-Dichloropropane	0.125	0.126	0.125	101	100	59.0-135			0.797	20
Di-isopropyl ether	0.125	0.123	0.116	98.4	92.8	60.0-136			5.86	20
Ethylbenzene	0.125	0.125	0.114	100	91.2	74.0-126			9.21	20
Hexachloro-1,3-butadiene	0.125	0.108	0.103	86.4	82.4	57.0-150			4.74	20
Isopropylbenzene	0.125	0.129	0.122	103	97.6	72.0-127			5.58	20
p-Isopropyltoluene	0.125	0.125	0.126	100	101	72.0-133			0.797	20
2-Butanone (MEK)	0.625	0.556	0.577	89.0	92.3	30.0-160			3.71	24
Methylene Chloride	0.125	0.125	0.117	100	93.6	68.0-123			6.61	20
4-Methyl-2-pentanone (MIBK)	0.625	0.555	0.560	88.8	89.6	56.0-143			0.897	20
Methyl tert-butyl ether	0.125	0.133	0.126	106	101	66.0-132			5.41	20
Naphthalene	0.125	0.108	0.115	86.4	92.0	59.0-130			6.28	20
n-Propylbenzene	0.125	0.121	0.116	96.8	92.8	74.0-126			4.22	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4023573-1 01/15/24 18:48 • (LCSD) R4023573-2 01/15/24 19:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Styrene	0.125	0.117	0.115	93.6	92.0	72.0-127			1.72	20
1,1,1,2-Tetrachloroethane	0.125	0.125	0.123	100	98.4	74.0-129			1.61	20
1,1,2,2-Tetrachloroethane	0.125	0.109	0.111	87.2	88.8	68.0-128			1.82	20
Tetrachloroethene	0.125	0.124	0.123	99.2	98.4	70.0-136			0.810	20
Toluene	0.125	0.115	0.110	92.0	88.0	75.0-121			4.44	20
1,2,3-Trichlorobenzene	0.125	0.123	0.131	98.4	105	59.0-139			6.30	20
1,2,4-Trichlorobenzene	0.125	0.122	0.122	97.6	97.6	62.0-137			0.000	20
1,1,1-Trichloroethane	0.125	0.131	0.124	105	99.2	69.0-126			5.49	20
1,1,2-Trichloroethane	0.125	0.114	0.117	91.2	93.6	78.0-123			2.60	20
Trichloroethene	0.125	0.115	0.108	92.0	86.4	76.0-126			6.28	20
Trichlorofluoromethane	0.125	0.128	0.121	102	96.8	61.0-142			5.62	20
1,2,3-Trichloropropane	0.125	0.112	0.109	89.6	87.2	67.0-129			2.71	20
1,2,4-Trimethylbenzene	0.125	0.125	0.120	100	96.0	70.0-126			4.08	20
1,3,5-Trimethylbenzene	0.125	0.125	0.119	100	95.2	73.0-127			4.92	20
Vinyl chloride	0.125	0.116	0.113	92.8	90.4	63.0-134			2.62	20
Xylenes, Total	0.375	0.388	0.366	103	97.6	72.0-127			5.84	20
(S) Toluene-d8				95.3	96.6	75.0-131				
(S) 4-Bromofluorobenzene				102	99.6	67.0-138				
(S) 1,2-Dichloroethane-d4				89.8	92.8	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024032-3 01/18/24 11:09

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	0.00173	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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4024032-3 01/18/24 11:09

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	109			75.0-131
(S) 4-Bromofluorobenzene	94.2			67.0-138
(S) 1,2-Dichloroethane-d4	116			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4024032-1 01/18/24 09:34 • (LCSD) R4024032-2 01/18/24 09:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.407	0.405	65.1	64.8	10.0-160			0.493	31
Acrylonitrile	0.625	0.773	0.798	124	128	45.0-153			3.18	22
Benzene	0.125	0.142	0.148	114	118	70.0-123			4.14	20
Bromobenzene	0.125	0.138	0.149	110	119	73.0-121			7.67	20
Bromodichloromethane	0.125	0.131	0.129	105	103	73.0-121			1.54	20
Bromoform	0.125	0.0928	0.0974	74.2	77.9	64.0-132			4.84	20
Bromomethane	0.125	0.112	0.119	89.6	95.2	56.0-147			6.06	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4024032-1 01/18/24 09:34 • (LCSD) R4024032-2 01/18/24 09:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.140	0.135	112	108	68.0-135			3.64	20
sec-Butylbenzene	0.125	0.159	0.146	127	117	74.0-130			8.52	20
tert-Butylbenzene	0.125	0.148	0.146	118	117	75.0-127			1.36	20
Carbon tetrachloride	0.125	0.137	0.135	110	108	66.0-128			1.47	20
Chlorobenzene	0.125	0.134	0.139	107	111	76.0-128			3.66	20
Chlorodibromomethane	0.125	0.129	0.127	103	102	74.0-127			1.56	20
Chloroethane	0.125	0.125	0.130	100	104	61.0-134			3.92	20
Chloroform	0.125	0.133	0.135	106	108	72.0-123			1.49	20
Chloromethane	0.125	0.129	0.143	103	114	51.0-138			10.3	20
2-Chlorotoluene	0.125	0.150	0.151	120	121	75.0-124			0.664	20
4-Chlorotoluene	0.125	0.157	0.163	126	130	75.0-124	J4	J4	3.75	20
1,2-Dibromo-3-Chloropropane	0.125	0.123	0.117	98.4	93.6	59.0-130			5.00	20
1,2-Dibromoethane	0.125	0.135	0.140	108	112	74.0-128			3.64	20
Dibromomethane	0.125	0.137	0.142	110	114	75.0-122			3.58	20
1,2-Dichlorobenzene	0.125	0.146	0.146	117	117	76.0-124			0.000	20
1,3-Dichlorobenzene	0.125	0.136	0.137	109	110	76.0-125			0.733	20
1,4-Dichlorobenzene	0.125	0.143	0.146	114	117	77.0-121			2.08	20
Dichlorodifluoromethane	0.125	0.108	0.114	86.4	91.2	43.0-156			5.41	20
1,1-Dichloroethane	0.125	0.141	0.145	113	116	70.0-127			2.80	20
1,2-Dichloroethane	0.125	0.149	0.159	119	127	65.0-131			6.49	20
1,1-Dichloroethene	0.125	0.146	0.150	117	120	65.0-131			2.70	20
cis-1,2-Dichloroethene	0.125	0.129	0.136	103	109	73.0-125			5.28	20
trans-1,2-Dichloroethene	0.125	0.133	0.133	106	106	71.0-125			0.000	20
1,2-Dichloropropane	0.125	0.141	0.147	113	118	74.0-125			4.17	20
1,1-Dichloropropene	0.125	0.156	0.163	125	130	73.0-125		J4	4.39	20
1,3-Dichloropropane	0.125	0.145	0.161	116	129	80.0-125		J4	10.5	20
cis-1,3-Dichloropropene	0.125	0.129	0.130	103	104	76.0-127			0.772	20
trans-1,3-Dichloropropene	0.125	0.139	0.146	111	117	73.0-127			4.91	20
2,2-Dichloropropane	0.125	0.146	0.145	117	116	59.0-135			0.687	20
Di-isopropyl ether	0.125	0.128	0.133	102	106	60.0-136			3.83	20
Ethylbenzene	0.125	0.136	0.149	109	119	74.0-126			9.12	20
Hexachloro-1,3-butadiene	0.125	0.0946	0.101	75.7	80.8	57.0-150			6.54	20
Isopropylbenzene	0.125	0.134	0.131	107	105	72.0-127			2.26	20
p-Isopropyltoluene	0.125	0.147	0.143	118	114	72.0-133			2.76	20
2-Butanone (MEK)	0.625	0.667	0.760	107	122	30.0-160			13.0	24
Methylene Chloride	0.125	0.131	0.129	105	103	68.0-123			1.54	20
4-Methyl-2-pentanone (MIBK)	0.625	0.762	0.805	122	129	56.0-143			5.49	20
Methyl tert-butyl ether	0.125	0.124	0.124	99.2	99.2	66.0-132			0.000	20
Naphthalene	0.125	0.123	0.115	98.4	92.0	59.0-130			6.72	20
n-Propylbenzene	0.125	0.164	0.167	131	134	74.0-126	J4	J4	1.81	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4024032-1 01/18/24 09:34 • (LCSD) R4024032-2 01/18/24 09:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Styrene	0.125	0.117	0.118	93.6	94.4	72.0-127			0.851	20
1,1,1,2-Tetrachloroethane	0.125	0.121	0.132	96.8	106	74.0-129			8.70	20
1,1,2,2-Tetrachloroethane	0.125	0.156	0.153	125	122	68.0-128			1.94	20
Tetrachloroethene	0.125	0.122	0.125	97.6	100	70.0-136			2.43	20
Toluene	0.125	0.140	0.145	112	116	75.0-121			3.51	20
1,2,3-Trichlorobenzene	0.125	0.112	0.0983	89.6	78.6	59.0-139			13.0	20
1,2,4-Trichlorobenzene	0.125	0.113	0.105	90.4	84.0	62.0-137			7.34	20
1,1,1-Trichloroethane	0.125	0.133	0.137	106	110	69.0-126			2.96	20
1,1,2-Trichloroethane	0.125	0.135	0.114	108	91.2	78.0-123			16.9	20
Trichloroethene	0.125	0.135	0.140	108	112	76.0-126			3.64	20
Trichlorofluoromethane	0.125	0.127	0.129	102	103	61.0-142			1.56	20
1,2,3-Trichloropropane	0.125	0.168	0.168	134	134	67.0-129	J4	J4	0.000	20
1,2,4-Trimethylbenzene	0.125	0.144	0.139	115	111	70.0-126			3.53	20
1,3,5-Trimethylbenzene	0.125	0.149	0.144	119	115	73.0-127			3.41	20
Vinyl chloride	0.125	0.120	0.146	96.0	117	63.0-134			19.5	20
Xylenes, Total	0.375	0.390	0.399	104	106	72.0-127			2.28	20
(S) Toluene-d8				108	108	75.0-131				
(S) 4-Bromofluorobenzene				97.0	97.2	67.0-138				
(S) 1,2-Dichloroethane-d4				117	117	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024621-2 01/18/24 15:37

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4024621-2 01/18/24 15:37

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	62.6			12.0-120
(S) Phenol-d5	58.1			10.0-120
(S) Nitrobenzene-d5	63.4			10.0-122
(S) 2-Fluorobiphenyl	56.2			15.0-120
(S) 2,4,6-Tribromophenol	68.0			10.0-127
(S) p-Terphenyl-d14	67.9			10.0-120

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4024621-1 01/18/24 15:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.320	48.0	38.0-120	
Acenaphthylene	0.666	0.308	46.2	40.0-120	
Anthracene	0.666	0.339	50.9	42.0-120	
Benzidine	1.33	0.243	18.3	10.0-120	
Benzo(a)anthracene	0.666	0.346	52.0	44.0-120	
Benzo(b)fluoranthene	0.666	0.346	52.0	43.0-120	
Benzo(k)fluoranthene	0.666	0.317	47.6	44.0-120	
Benzo(g,h,i)perylene	0.666	0.345	51.8	43.0-120	
Benzo(a)pyrene	0.666	0.330	49.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.264	39.6	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.313	47.0	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.273	41.0	23.0-120	
4-Bromophenyl-phenylether	0.666	0.358	53.8	40.0-120	
2-Chloronaphthalene	0.666	0.299	44.9	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4024621-1 01/18/24 15:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.330	49.5	40.0-120	
Chrysene	0.666	0.352	52.9	43.0-120	
Dibenz(a,h)anthracene	0.666	0.331	49.7	44.0-120	
3,3-Dichlorobenzidine	1.33	0.611	45.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.390	58.6	45.0-120	
2,6-Dinitrotoluene	0.666	0.383	57.5	42.0-120	
Fluoranthene	0.666	0.338	50.8	44.0-120	
Fluorene	0.666	0.321	48.2	41.0-120	
Hexachlorobenzene	0.666	0.346	52.0	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.326	48.9	15.0-120	
Hexachlorocyclopentadiene	0.666	0.250	37.5	15.0-120	
Hexachloroethane	0.666	0.293	44.0	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.303	45.5	45.0-120	
Isophorone	0.666	0.287	43.1	23.0-120	
Naphthalene	0.666	0.248	37.2	18.0-120	
Nitrobenzene	0.666	0.319	47.9	17.0-120	
n-Nitrosodimethylamine	0.666	0.321	48.2	10.0-125	
n-Nitrosodiphenylamine	0.666	0.337	50.6	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.332	49.8	26.0-120	
Phenanthrene	0.666	0.345	51.8	42.0-120	
Benzylbutyl phthalate	0.666	0.393	59.0	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.407	61.1	41.0-120	
Di-n-butyl phthalate	0.666	0.357	53.6	43.0-120	
Diethyl phthalate	0.666	0.342	51.4	43.0-120	
Dimethyl phthalate	0.666	0.336	50.5	43.0-120	
Di-n-octyl phthalate	0.666	0.394	59.2	40.0-120	
Pyrene	0.666	0.376	56.5	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.291	43.7	17.0-120	
4-Chloro-3-methylphenol	0.666	0.330	49.5	28.0-120	
2-Chlorophenol	0.666	0.314	47.1	28.0-120	
2,4-Dichlorophenol	0.666	0.336	50.5	25.0-120	
2,4-Dimethylphenol	0.666	0.412	61.9	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.583	87.5	16.0-120	
2,4-Dinitrophenol	0.666	0.470	70.6	10.0-120	
2-Nitrophenol	0.666	0.369	55.4	20.0-120	
4-Nitrophenol	0.666	0.323	48.5	27.0-120	
Pentachlorophenol	0.666	0.376	56.5	29.0-120	
Phenol	0.666	0.334	50.2	28.0-120	
2,4,6-Trichlorophenol	0.666	0.411	61.7	37.0-120	
<i>(S) 2-Fluorophenol</i>			52.1	12.0-120	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4024621-1 01/18/24 15:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			49.4	10.0-120	
(S) Nitrobenzene-d5			49.2	10.0-122	
(S) 2-Fluorobiphenyl			46.5	15.0-120	
(S) 2,4,6-Tribromophenol			66.2	10.0-127	
(S) p-Terphenyl-d14			52.6	10.0-120	

L1696021-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696021-02 01/18/24 17:05 • (MS) R4024621-3 01/18/24 17:27 • (MSD) R4024621-4 01/18/24 17:49

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	0.806	ND	0.436	0.429	54.1	53.5	1	18.0-120			1.46	32
Acenaphthylene	0.806	ND	0.404	0.395	50.2	49.2	1	25.0-120			2.21	32
Anthracene	0.806	ND	0.438	0.415	54.4	51.7	1	22.0-120			5.33	29
Benzidine	1.62	ND	ND	ND	34.8	32.2	1	10.0-120			8.43	40
Benzo(a)anthracene	0.806	ND	0.470	0.441	58.3	54.9	1	25.0-120			6.38	29
Benzo(b)fluoranthene	0.806	ND	0.457	0.434	56.7	54.1	1	19.0-122			5.10	31
Benzo(k)fluoranthene	0.806	ND	0.412	0.393	51.1	48.9	1	23.0-120			4.71	30
Benzo(g,h,i)perylene	0.806	ND	0.452	0.438	56.1	54.6	1	10.0-120			3.12	33
Benzo(a)pyrene	0.806	ND	0.442	0.423	54.9	52.7	1	24.0-120			4.38	30
Bis(2-chloroethoxy)methane	0.806	ND	ND	ND	43.4	42.9	1	10.0-120			1.45	34
Bis(2-chloroethyl)ether	0.806	ND	0.437	ND	54.2	51.1	1	10.0-120			6.26	40
2,2-Oxybis(1-Chloropropane)	0.806	ND	ND	ND	45.5	44.0	1	10.0-120			3.51	40
4-Bromophenyl-phenylether	0.806	ND	0.444	0.447	55.2	55.7	1	27.0-120			0.567	30
2-Chloronaphthalene	0.806	ND	0.408	0.408	50.6	50.8	1	20.0-120			0.000	32
4-Chlorophenyl-phenylether	0.806	ND	0.441	0.437	54.7	54.4	1	24.0-120			0.863	29
Chrysene	0.806	ND	0.470	0.448	58.3	55.8	1	21.0-120			4.68	29
Dibenz(a,h)anthracene	0.806	ND	0.451	0.428	56.0	53.3	1	10.0-120			5.17	32
3,3-Dichlorobenzidine	1.62	ND	0.846	0.855	52.3	53.3	1	10.0-120			1.04	34
2,4-Dinitrotoluene	0.806	ND	0.501	0.511	62.2	63.7	1	30.0-120			2.00	31
2,6-Dinitrotoluene	0.806	ND	0.501	0.500	62.2	62.3	1	25.0-120			0.252	31
Fluoranthene	0.806	ND	0.434	0.422	53.9	52.5	1	18.0-126			2.95	32
Fluorene	0.806	ND	0.419	0.408	52.0	50.8	1	25.0-120			2.75	30
Hexachlorobenzene	0.806	ND	0.470	0.449	58.3	56.0	1	27.0-120			4.40	28
Hexachloro-1,3-butadiene	0.806	ND	0.455	0.441	56.4	54.9	1	10.0-120			3.10	38
Hexachlorocyclopentadiene	0.806	ND	ND	ND	43.7	42.6	1	10.0-120			2.91	40
Hexachloroethane	0.806	ND	0.431	ND	53.4	47.3	1	10.0-120			12.5	40
Indeno(1,2,3-cd)pyrene	0.806	ND	0.418	0.395	51.9	49.2	1	10.0-120			5.59	32
Isophorone	0.806	ND	ND	ND	46.6	46.7	1	13.0-120			0.000	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1696021-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696021-02 01/18/24 17:05 • (MS) R4024621-3 01/18/24 17:27 • (MSD) R4024621-4 01/18/24 17:49

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	0.806	ND	0.341	0.326	42.3	40.6	1	10.0-120			4.55	35
Nitrobenzene	0.806	ND	0.424	0.432	52.7	53.8	1	10.0-120			1.77	36
n-Nitrosodimethylamine	0.806	ND	0.444	ND	55.2	46.4	1	10.0-127			17.6	40
n-Nitrosodiphenylamine	0.806	ND	0.438	0.427	54.4	53.1	1	17.0-120			2.63	29
n-Nitrosodi-n-propylamine	0.806	ND	0.463	0.423	57.5	52.7	1	10.0-120			9.12	37
Phenanthrene	0.806	ND	0.444	0.423	55.2	52.7	1	17.0-120			4.95	31
Benzylbutyl phthalate	0.806	ND	0.539	0.518	66.9	64.5	1	23.0-120			4.06	30
Bis(2-ethylhexyl)phthalate	0.806	ND	0.538	0.518	66.8	64.5	1	17.0-126			3.83	30
Di-n-butyl phthalate	0.806	ND	0.471	0.457	58.5	56.9	1	30.0-120			2.99	29
Diethyl phthalate	0.806	ND	0.456	0.461	56.6	57.4	1	26.0-120			1.10	28
Dimethyl phthalate	0.806	ND	0.453	0.447	56.3	55.7	1	25.0-120			1.40	29
Di-n-octyl phthalate	0.806	ND	0.548	0.515	68.0	64.2	1	21.0-123			6.18	29
Pyrene	0.806	ND	0.486	0.472	60.3	58.8	1	16.0-121			2.90	32
1,2,4-Trichlorobenzene	0.806	ND	ND	ND	50.5	50.0	1	12.0-120			1.25	37
4-Chloro-3-methylphenol	0.806	ND	0.455	0.447	56.4	55.7	1	15.0-120			1.68	30
2-Chlorophenol	0.806	ND	0.438	ND	54.4	50.5	1	15.0-120			7.78	37
2,4-Dichlorophenol	0.806	ND	0.441	0.436	54.7	54.2	1	20.0-120			1.15	31
2,4-Dimethylphenol	0.806	ND	0.558	0.547	69.3	68.1	1	10.0-120			2.06	33
4,6-Dinitro-2-methylphenol	0.806	ND	0.852	0.824	106	103	1	10.0-120			3.31	39
2,4-Dinitrophenol	0.806	ND	0.829	0.817	103	102	1	10.0-121			1.53	40
2-Nitrophenol	0.806	ND	0.487	0.511	60.5	63.7	1	12.0-120			4.80	39
4-Nitrophenol	0.806	ND	0.456	0.451	56.6	56.1	1	10.0-137			1.11	32
Pentachlorophenol	0.806	ND	0.544	0.543	67.6	67.6	1	10.0-160			0.232	31
Phenol	0.806	ND	0.458	0.428	56.9	53.3	1	12.0-120			6.84	38
2,4,6-Trichlorophenol	0.806	ND	0.553	0.552	68.7	68.7	1	19.0-120			0.229	32
(S) 2-Fluorophenol					57.1	53.1		12.0-120				
(S) Phenol-d5					51.6	48.1		10.0-120				
(S) Nitrobenzene-d5					51.4	51.3		10.0-122				
(S) 2-Fluorobiphenyl					50.2	49.1		15.0-120				
(S) 2,4,6-Tribromophenol					69.9	68.2		10.0-127				
(S) p-Terphenyl-d14					54.2	53.5		10.0-120				

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

Method Blank (MB)

(MB) R4025030-2 01/18/24 14:50

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4025030-2 01/18/24 14:50

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	65.9			12.0-120
(S) Phenol-d5	67.4			10.0-120
(S) Nitrobenzene-d5	61.6			10.0-122
(S) 2-Fluorobiphenyl	64.0			15.0-120
(S) 2,4,6-Tribromophenol	53.9			10.0-127
(S) p-Terphenyl-d14	74.8			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4025030-1 01/18/24 14:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.477	71.6	38.0-120	
Acenaphthylene	0.666	0.480	72.1	40.0-120	
Anthracene	0.666	0.474	71.2	42.0-120	
Benzidine	1.33	0.307	23.1	10.0-120	
Benzo(a)anthracene	0.666	0.479	71.9	44.0-120	
Benzo(b)fluoranthene	0.666	0.460	69.1	43.0-120	
Benzo(k)fluoranthene	0.666	0.448	67.3	44.0-120	
Benzo(g,h,i)perylene	0.666	0.516	77.5	43.0-120	
Benzo(a)pyrene	0.666	0.463	69.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.378	56.8	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.473	71.0	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.410	61.6	23.0-120	
4-Bromophenyl-phenylether	0.666	0.431	64.7	40.0-120	
2-Chloronaphthalene	0.666	0.462	69.4	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4025030-1 01/18/24 14:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.483	72.5	40.0-120	
Chrysene	0.666	0.459	68.9	43.0-120	
Dibenz(a,h)anthracene	0.666	0.474	71.2	44.0-120	
3,3-Dichlorobenzidine	1.33	0.823	61.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.574	86.2	45.0-120	
2,6-Dinitrotoluene	0.666	0.480	72.1	42.0-120	
Fluoranthene	0.666	0.459	68.9	44.0-120	
Fluorene	0.666	0.490	73.6	41.0-120	
Hexachlorobenzene	0.666	0.420	63.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.328	49.2	15.0-120	
Hexachlorocyclopentadiene	0.666	0.412	61.9	15.0-120	
Hexachloroethane	0.666	0.385	57.8	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.439	65.9	45.0-120	
Isophorone	0.666	0.392	58.9	23.0-120	
Naphthalene	0.666	0.357	53.6	18.0-120	
Nitrobenzene	0.666	0.389	58.4	17.0-120	
n-Nitrosodimethylamine	0.666	0.220	33.0	10.0-125	
n-Nitrosodiphenylamine	0.666	0.445	66.8	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.452	67.9	26.0-120	
Phenanthrene	0.666	0.466	70.0	42.0-120	
Benzylbutyl phthalate	0.666	0.523	78.5	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.536	80.5	41.0-120	
Di-n-butyl phthalate	0.666	0.484	72.7	43.0-120	
Diethyl phthalate	0.666	0.520	78.1	43.0-120	
Dimethyl phthalate	0.666	0.499	74.9	43.0-120	
Di-n-octyl phthalate	0.666	0.360	54.1	40.0-120	
Pyrene	0.666	0.487	73.1	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.346	52.0	17.0-120	
4-Chloro-3-methylphenol	0.666	0.409	61.4	28.0-120	
2-Chlorophenol	0.666	0.438	65.8	28.0-120	
2,4-Dichlorophenol	0.666	0.369	55.4	25.0-120	
2,4-Dimethylphenol	0.666	0.604	90.7	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.439	65.9	16.0-120	
2,4-Dinitrophenol	0.666	0.314	47.1	10.0-120	
2-Nitrophenol	0.666	0.394	59.2	20.0-120	
4-Nitrophenol	0.666	0.533	80.0	27.0-120	
Pentachlorophenol	0.666	0.359	53.9	29.0-120	
Phenol	0.666	0.376	56.5	28.0-120	
2,4,6-Trichlorophenol	0.666	0.462	69.4	37.0-120	
(S) 2-Fluorophenol			69.5	12.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4025030-1 01/18/24 14:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			58.9	10.0-120	
(S) Nitrobenzene-d5			51.7	10.0-122	
(S) 2-Fluorobiphenyl			71.8	15.0-120	
(S) 2,4,6-Tribromophenol			62.3	10.0-127	
(S) p-Terphenyl-d14			72.7	10.0-120	

L1696158-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696158-05 01/18/24 21:31 • (MS) R4025030-3 01/18/24 21:56 • (MSD) R4025030-4 01/18/24 22:20

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	0.856	ND	0.499	0.511	58.3	59.5	1	18.0-120			2.33	32
Acenaphthylene	0.856	ND	0.503	0.462	58.7	53.8	1	25.0-120			8.41	32
Anthracene	0.856	ND	0.560	0.518	63.4	58.4	1	22.0-120			7.77	29
Benzidine	1.72	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(a)anthracene	0.856	0.0943	0.682	0.644	68.7	64.0	1	25.0-120			5.73	29
Benzo(b)fluoranthene	0.856	0.161	0.820	0.799	76.9	74.2	1	19.0-122			2.59	31
Benzo(k)fluoranthene	0.856	0.0494	0.636	0.618	68.5	66.2	1	23.0-120			2.92	30
Benzo(g,h,i)perylene	0.856	0.0462	0.418	0.353	43.4	35.8	1	10.0-120			16.6	33
Benzo(a)pyrene	0.856	0.104	0.694	0.655	68.9	64.2	1	24.0-120			5.83	30
Bis(2-chloroethoxy)methane	0.856	ND	0.444	ND	51.8	47.3	1	10.0-120			8.94	34
Bis(2-chloroethyl)ether	0.856	ND	0.504	0.508	58.9	59.1	1	10.0-120			0.776	40
2,2-Oxybis(1-Chloropropane)	0.856	ND	0.467	0.471	54.6	54.9	1	10.0-120			0.837	40
4-Bromophenyl-phenylether	0.856	ND	0.500	0.466	58.4	54.3	1	27.0-120			7.05	30
2-Chloronaphthalene	0.856	ND	0.483	0.470	56.4	54.7	1	20.0-120			2.75	32
4-Chlorophenyl-phenylether	0.856	ND	0.509	0.504	59.5	58.7	1	24.0-120			1.03	29
Chrysene	0.856	0.112	0.693	0.651	67.8	62.7	1	21.0-120			6.24	29
Dibenz(a,h)anthracene	0.856	ND	0.385	0.356	43.5	40.0	1	10.0-120			7.77	32
3,3-Dichlorobenzidine	1.72	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	34
2,4-Dinitrotoluene	0.856	ND	0.589	0.619	68.8	72.1	1	30.0-120			4.98	31
2,6-Dinitrotoluene	0.856	ND	0.562	0.564	65.6	65.7	1	25.0-120			0.465	31
Fluoranthene	0.856	0.225	0.913	0.535	80.3	36.1	1	18.0-126		J3	52.1	32
Fluorene	0.856	ND	0.530	0.528	61.9	61.4	1	25.0-120			0.495	30
Hexachlorobenzene	0.856	ND	0.483	0.486	56.4	56.6	1	27.0-120			0.541	28
Hexachloro-1,3-butadiene	0.856	ND	ND	ND	49.1	38.9	1	10.0-120			22.9	38
Hexachlorocyclopentadiene	0.856	ND	ND	ND	11.2	9.82	1	10.0-120		J6	12.9	40
Hexachloroethane	0.856	ND	ND	ND	38.4	35.2	1	10.0-120			8.30	40
Indeno(1,2,3-cd)pyrene	0.856	0.0534	0.420	0.365	42.8	36.3	1	10.0-120			14.0	32
Isophorone	0.856	ND	0.463	ND	54.1	48.6	1	13.0-120			10.4	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1696158-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696158-05 01/18/24 21:31 • (MS) R4025030-3 01/18/24 21:56 • (MSD) R4025030-4 01/18/24 22:20

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	0.856	ND	0.420	0.386	49.1	45.0	1	10.0-120			8.44	35
Nitrobenzene	0.856	ND	0.444	ND	51.8	43.3	1	10.0-120			17.7	36
n-Nitrosodimethylamine	0.856	ND	ND	ND	26.3	26.2	1	10.0-127			0.000	40
n-Nitrosodiphenylamine	0.856	ND	0.460	0.483	53.7	56.2	1	17.0-120			5.00	29
n-Nitrosodi-n-propylamine	0.856	ND	0.515	0.543	60.1	63.3	1	10.0-120			5.45	37
Phenanthrene	0.856	0.106	0.702	0.581	69.6	55.4	1	17.0-120			18.8	31
Benzylbutyl phthalate	0.856	ND	0.611	0.626	71.4	72.9	1	23.0-120			2.33	30
Bis(2-ethylhexyl)phthalate	0.856	ND	1.03	0.690	120	80.3	1	17.0-126		J3	39.1	30
Di-n-butyl phthalate	0.856	ND	0.559	0.585	65.3	68.1	1	30.0-120			4.58	29
Diethyl phthalate	0.856	ND	0.563	0.580	65.7	67.5	1	26.0-120			2.98	28
Dimethyl phthalate	0.856	ND	0.539	0.542	63.0	63.1	1	25.0-120			0.484	29
Di-n-octyl phthalate	0.856	ND	0.645	0.669	75.4	77.9	1	21.0-123			3.59	29
Pyrene	0.856	0.187	1.18	0.755	116	66.2	1	16.0-121		J3	43.6	32
1,2,4-Trichlorobenzene	0.856	ND	ND	ND	47.6	38.3	1	12.0-120			21.4	37
4-Chloro-3-methylphenol	0.856	ND	0.516	0.482	60.2	56.1	1	15.0-120			6.82	30
2-Chlorophenol	0.856	ND	0.513	0.501	59.9	58.4	1	15.0-120			2.32	37
2,4-Dichlorophenol	0.856	ND	0.456	ND	53.2	46.2	1	20.0-120			13.8	31
2,4-Dimethylphenol	0.856	ND	0.690	0.572	80.6	66.6	1	10.0-120			18.7	33
4,6-Dinitro-2-methylphenol	0.856	ND	0.446	ND	52.1	49.4	1	10.0-120			5.11	39
2,4-Dinitrophenol	0.856	ND	ND	0.445	48.8	51.8	1	10.0-121			6.37	40
2-Nitrophenol	0.856	ND	0.480	ND	56.1	46.0	1	12.0-120			19.4	39
4-Nitrophenol	0.856	ND	0.617	0.644	72.0	75.0	1	10.0-137			4.36	32
Pentachlorophenol	0.856	ND	0.537	0.499	62.7	58.1	1	10.0-160			7.33	31
Phenol	0.856	ND	0.499	0.517	58.3	60.2	1	12.0-120			3.61	38
2,4,6-Trichlorophenol	0.856	ND	0.508	0.458	59.3	53.4	1	19.0-120			10.3	32
(S) 2-Fluorophenol					59.2	54.1		12.0-120				
(S) Phenol-d5					58.1	59.9		10.0-120				
(S) Nitrobenzene-d5					47.7	36.9		10.0-122				
(S) 2-Fluorobiphenyl					55.7	54.6		15.0-120				
(S) 2,4,6-Tribromophenol					59.2	59.6		10.0-127				
(S) p-Terphenyl-d14					88.4	64.0		10.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

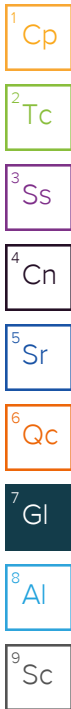
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
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.



GLOSSARY OF TERMS

Qualifier	Description
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCREDITATIONS & LOCATIONS

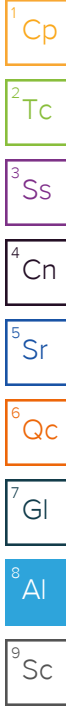
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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	LA000356
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.com)

Pres Chk

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**

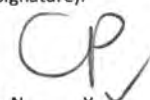
Client Project #
23050630

Lab Project #
SMERLNC-NORTHGATE

Collected by (print):
Chelsea Parra

Site/Facility ID #

P.O. #

Collected by (signature):

 Immediately Packed on Ice N Y

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
 No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time		Metals 20zClr-NoPres	SPLP/TCLP GOLD 40zClr-NoPres	SV8270,TS 40zClr-NoPres	V8260 40mlAmb-HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr	SV005 8270	18 Metals 6020	Mercury 7471	Hex. Chrom. 7199		Remarks	Sample # (lab only)
825-SB-19	C	SS	0-1	1/11/24	1540	4	X	X	X		X	X	X	X	X			-01
825-SB-20	↓	SS	↓	↓	1545	4	X	X	X		X	↓	↓	↓	↓			-02
825-SB-21	↓	SS	↓	↓	1550	4	X	X	X		X	↓	↓	↓	↓			-03
825-SB-22	↓	SS	↓	↓	1555	4	X	X	X		X	↓	↓	↓	↓			-04
825-SB-23	↓	SS	↓	↓	1600	4	X	X	X		X	↓	↓	↓	↓			-05
825-SB-24	↓	SS	↓	↓	1605	4	X	X	X		X	↓	↓	↓	↓			-06
825-SB-25	↓	SS	↓	↓	1610	4	X	X	X		X	↓	↓	↓	↓			-07
825-SB-26	↓	SS	↓	↓	1615	4	X	X	X		X	↓	↓	↓	↓			-08
825-SB-27	↓	SS	↓	↓	1620	4	X	X	X		X	↓	↓	↓	↓			-09
Trip Blank		SS				1	X	X	X	X	X							-10



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.pacelab.com/hub/8898-standard-terms.pdf>

G070

Acctnum: **SMERLNC**
 Template: **T243915**
 Prelogin: **P1044755**
 PM: 034 - Craig Cothron
 PB:
 Shipped Via: **FedEX Ground**

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other _____

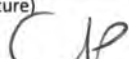
Remarks: **SPLP/TCLP on hold**

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via: UPS FedEx Courier
 Tracking # **7155 0298 2345**

Sample Receipt Checklist

COC Seal Present/Intact:	<input checked="" type="checkbox"/>	Y	N
COC Signed/Accurate:	<input checked="" type="checkbox"/>	Y	N
Bottles arrive intact:	<input checked="" type="checkbox"/>	Y	N
Correct bottles used:	<input checked="" type="checkbox"/>	Y	N
Sufficient volume sent:	<input checked="" type="checkbox"/>	Y	N
If Applicable			
VOA Zero Headspace:	<input checked="" type="checkbox"/>	Y	N
Preservation Correct/Checked:	<input checked="" type="checkbox"/>	Y	N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/>	Y	N

Relinquished by: (Signature)


Date: **1/11/24**
 Time: **1630**

Received by: (Signature)

Trip Blank Received: Yes No
 HCL / MeOH TBR

Relinquished by: (Signature)

Date: _____
 Time: _____

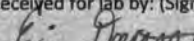
Received by: (Signature)

Temp: **MSA 8°C**
 Bottles Received: **3.9 + 0 = 3.9 36**

If preservation required by login: Date/Time

Relinquished by: (Signature)

Date: _____
 Time: _____

Received for lab by: (Signature)


Date: **1-13**
 Time: **900**

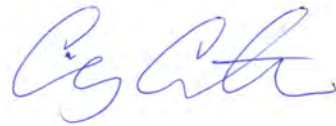
Condition: **NCF / OK**

S&ME Inc. - Raleigh NC

Sample Delivery Group: L1696158
Samples Received: 01/13/2024
Project Number: 23050630
Description: Northgate Park

Report To: Mr. Jerry Paul
3201 Spring Forest Road
Raleigh, NC 27616

Entire Report Reviewed By:



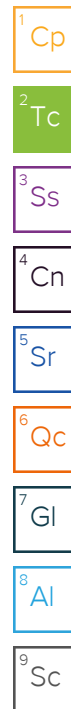
Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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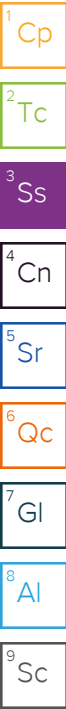


SAMPLE SUMMARY

825-SB-08 L1696158-01 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 11:20
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207404	1	01/16/24 08:03	01/16/24 08:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208078	1	01/17/24 11:18	01/22/24 13:03	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206961	1	01/17/24 14:46	01/18/24 02:57	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207363	5	01/14/24 16:47	01/23/24 12:06	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207575	1.08	01/11/24 11:20	01/15/24 23:49	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208364	1	01/18/24 00:45	01/18/24 22:45	AMS	Mt. Juliet, TN



825-SB-09 L1696158-02 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 11:25
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207404	1	01/16/24 08:03	01/16/24 08:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208078	1	01/17/24 11:18	01/22/24 13:21	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206961	1	01/17/24 14:46	01/18/24 02:59	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207363	5	01/14/24 16:47	01/23/24 12:10	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207575	1.01	01/11/24 11:25	01/16/24 00:08	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208364	1	01/18/24 00:45	01/18/24 19:51	AMS	Mt. Juliet, TN

825-SB-10 L1696158-03 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 11:30
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207404	1	01/16/24 08:03	01/16/24 08:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208078	1	01/17/24 11:18	01/22/24 13:28	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206961	1	01/17/24 14:46	01/18/24 03:02	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207363	5	01/14/24 16:47	01/23/24 12:13	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207575	1	01/11/24 11:30	01/16/24 00:27	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208364	1	01/18/24 00:45	01/18/24 16:30	AMS	Mt. Juliet, TN

825-SB-11 L1696158-04 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 11:35
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207407	1	01/16/24 09:02	01/16/24 09:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208095	1	01/17/24 11:33	01/23/24 09:51	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206961	1	01/17/24 14:46	01/18/24 03:04	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207363	5	01/14/24 16:47	01/23/24 12:16	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207575	1.17	01/11/24 11:35	01/16/24 00:46	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208364	1	01/18/24 00:45	01/18/24 21:06	AMS	Mt. Juliet, TN

825-SB-12 L1696158-05 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 11:40
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207407	1	01/16/24 09:02	01/16/24 09:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208095	1	01/17/24 11:33	01/23/24 09:57	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206961	1	01/17/24 14:46	01/18/24 03:07	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207363	5	01/14/24 16:47	01/23/24 12:19	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207575	1	01/11/24 11:40	01/16/24 01:05	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208364	1	01/18/24 00:45	01/18/24 21:31	AMS	Mt. Juliet, TN

SAMPLE SUMMARY

825-SB-13 L1696158-06 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 11:45
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207407	1	01/16/24 09:02	01/16/24 09:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208095	1	01/17/24 11:33	01/23/24 10:28	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206961	1	01/17/24 14:46	01/18/24 03:10	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207192	5	01/16/24 15:28	01/25/24 18:54	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207575	1	01/11/24 11:45	01/16/24 01:25	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208364	1	01/18/24 00:45	01/18/24 16:56	AMS	Mt. Juliet, TN



825-SB-14 L1696158-07 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 11:50
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207407	1	01/16/24 09:02	01/16/24 09:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208095	1	01/17/24 11:33	01/23/24 10:34	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206961	1	01/17/24 14:46	01/18/24 03:12	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207192	5	01/16/24 15:28	01/25/24 18:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207575	1	01/11/24 11:50	01/16/24 01:44	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208364	1	01/18/24 00:45	01/18/24 15:15	ALM	Mt. Juliet, TN

825-SB-15 L1696158-08 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 11:55
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207407	1	01/16/24 09:02	01/16/24 09:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208095	1	01/17/24 11:33	01/23/24 10:53	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206961	1	01/17/24 14:46	01/18/24 03:15	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207363	5	01/14/24 16:47	01/23/24 12:23	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207575	1	01/11/24 11:55	01/16/24 02:03	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208364	1	01/18/24 00:45	01/18/24 16:05	AMS	Mt. Juliet, TN

825-SB-16 L1696158-09 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 12:00
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207407	1	01/16/24 09:02	01/16/24 09:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208095	1	01/17/24 11:33	01/23/24 10:59	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206961	1	01/17/24 14:46	01/18/24 03:17	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207363	5	01/14/24 16:47	01/23/24 12:26	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208203	1	01/11/24 12:00	01/18/24 12:47	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208364	1	01/18/24 00:45	01/18/24 17:21	AMS	Mt. Juliet, TN

825-SB-17 L1696158-10 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 12:05
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207407	1	01/16/24 09:02	01/16/24 09:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208095	1	01/17/24 11:33	01/23/24 11:11	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206961	1	01/17/24 14:46	01/18/24 10:43	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207363	5	01/14/24 16:47	01/23/24 12:29	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208203	1.08	01/11/24 12:05	01/18/24 13:07	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208364	1	01/18/24 00:45	01/18/24 17:46	AMS	Mt. Juliet, TN

SAMPLE SUMMARY

825-SB-18 L1696158-11 Solid

Collected by Chelsea Parra
 Collected date/time 01/11/24 15:35
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2207407	1	01/16/24 09:02	01/16/24 09:09	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2208095	1	01/17/24 11:33	01/23/24 11:18	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2206961	1	01/17/24 14:46	01/18/24 10:45	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2207363	5	01/14/24 16:47	01/23/24 12:33	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207575	1	01/11/24 15:35	01/16/24 02:22	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208364	1	01/18/24 00:45	01/18/24 20:16	AMS	Mt. Juliet, TN

TRIP BLANK L1696158-12 GW

Collected by Chelsea Parra
 Collected date/time 01/11/24 00:00
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2207322	1	01/14/24 21:47	01/14/24 21:47	DYW	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

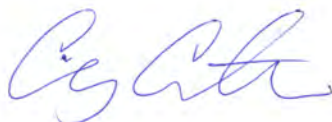
7 Gl

8 Al

9 Sc

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	53.1		1	01/16/2024 08:09	WG2207404

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.88	1	01/22/2024 13:03	WG2208078

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0837		0.0753	1	01/18/2024 02:57	WG2206961

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		5.65	5	01/23/2024 12:06	WG2207363
Arsenic	2.95		1.88	5	01/23/2024 12:06	WG2207363
Barium	172		4.71	5	01/23/2024 12:06	WG2207363
Beryllium	ND		4.71	5	01/23/2024 12:06	WG2207363
Cadmium	ND		1.88	5	01/23/2024 12:06	WG2207363
Chromium	21.7		9.42	5	01/23/2024 12:06	WG2207363
Cobalt	11.8		1.88	5	01/23/2024 12:06	WG2207363
Copper	22.4		9.42	5	01/23/2024 12:06	WG2207363
Lead	26.0		3.77	5	01/23/2024 12:06	WG2207363
Manganese	1890		4.71	5	01/23/2024 12:06	WG2207363
Nickel	15.7		4.71	5	01/23/2024 12:06	WG2207363
Selenium	ND		4.71	5	01/23/2024 12:06	WG2207363
Silver	ND		0.942	5	01/23/2024 12:06	WG2207363
Thallium	ND		3.77	5	01/23/2024 12:06	WG2207363
Vanadium	35.9		4.71	5	01/23/2024 12:06	WG2207363
Zinc	74.3		47.1	5	01/23/2024 12:06	WG2207363

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.146	1.08	01/15/2024 23:49	WG2207575
Acrylonitrile	ND		0.0365	1.08	01/15/2024 23:49	WG2207575
Benzene	ND		0.00292	1.08	01/15/2024 23:49	WG2207575
Bromobenzene	ND		0.0365	1.08	01/15/2024 23:49	WG2207575
Bromodichloromethane	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
Bromoform	ND		0.0729	1.08	01/15/2024 23:49	WG2207575
Bromomethane	ND		0.0365	1.08	01/15/2024 23:49	WG2207575
n-Butylbenzene	ND		0.0365	1.08	01/15/2024 23:49	WG2207575
sec-Butylbenzene	ND		0.0365	1.08	01/15/2024 23:49	WG2207575
tert-Butylbenzene	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
Carbon tetrachloride	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
Chlorobenzene	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
Chlorodibromomethane	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
Chloroethane	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
Chloroform	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
Chloromethane	ND		0.0365	1.08	01/15/2024 23:49	WG2207575
2-Chlorotoluene	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
4-Chlorotoluene	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
1,2-Dibromo-3-Chloropropane	ND	C3	0.0729	1.08	01/15/2024 23:49	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
Dibromomethane	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
1,2-Dichlorobenzene	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
1,3-Dichlorobenzene	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
1,4-Dichlorobenzene	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
Dichlorodifluoromethane	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
1,1-Dichloroethane	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
1,2-Dichloroethane	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
1,1-Dichloroethene	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
cis-1,2-Dichloroethene	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
trans-1,2-Dichloroethene	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
1,2-Dichloropropane	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
1,1-Dichloropropene	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
1,3-Dichloropropane	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
cis-1,3-Dichloropropene	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
trans-1,3-Dichloropropene	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
2,2-Dichloropropane	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
Di-isopropyl ether	ND		0.00292	1.08	01/15/2024 23:49	WG2207575
Ethylbenzene	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
Hexachloro-1,3-butadiene	ND		0.0729	1.08	01/15/2024 23:49	WG2207575
Isopropylbenzene	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
p-Isopropyltoluene	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
2-Butanone (MEK)	ND		0.292	1.08	01/15/2024 23:49	WG2207575
Methylene Chloride	ND		0.0729	1.08	01/15/2024 23:49	WG2207575
4-Methyl-2-pentanone (MIBK)	ND		0.0729	1.08	01/15/2024 23:49	WG2207575
Methyl tert-butyl ether	ND		0.00292	1.08	01/15/2024 23:49	WG2207575
Naphthalene	ND		0.0365	1.08	01/15/2024 23:49	WG2207575
n-Propylbenzene	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
Styrene	ND		0.0365	1.08	01/15/2024 23:49	WG2207575
1,1,1,2-Tetrachloroethane	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
1,1,2,2-Tetrachloroethane	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
Tetrachloroethene	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
Toluene	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
1,2,3-Trichlorobenzene	ND		0.0365	1.08	01/15/2024 23:49	WG2207575
1,2,4-Trichlorobenzene	ND		0.0365	1.08	01/15/2024 23:49	WG2207575
1,1,1-Trichloroethane	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
1,1,2-Trichloroethane	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
Trichloroethene	ND		0.00292	1.08	01/15/2024 23:49	WG2207575
Trichlorofluoromethane	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
1,2,3-Trichloropropane	ND		0.0365	1.08	01/15/2024 23:49	WG2207575
1,2,4-Trimethylbenzene	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
1,3,5-Trimethylbenzene	ND		0.0146	1.08	01/15/2024 23:49	WG2207575
Vinyl chloride	ND		0.00729	1.08	01/15/2024 23:49	WG2207575
Xylenes, Total	ND		0.0190	1.08	01/15/2024 23:49	WG2207575
(S) Toluene-d8	100		75.0-131		01/15/2024 23:49	WG2207575
(S) 4-Bromofluorobenzene	103		67.0-138		01/15/2024 23:49	WG2207575
(S) 1,2-Dichloroethane-d4	94.3		70.0-130		01/15/2024 23:49	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0627	1	01/18/2024 22:45	WG2208364
Acenaphthylene	ND		0.0627	1	01/18/2024 22:45	WG2208364
Anthracene	ND		0.0627	1	01/18/2024 22:45	WG2208364
Benzidine	ND		3.15	1	01/18/2024 22:45	WG2208364
Benzo(a)anthracene	ND		0.0627	1	01/18/2024 22:45	WG2208364

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0627	1	01/18/2024 22:45	WG2208364
Benzo(k)fluoranthene	ND		0.0627	1	01/18/2024 22:45	WG2208364
Benzo(g,h,i)perylene	ND		0.0627	1	01/18/2024 22:45	WG2208364
Benzo(a)pyrene	ND		0.0627	1	01/18/2024 22:45	WG2208364
Bis(2-chloroethoxy)methane	ND		0.627	1	01/18/2024 22:45	WG2208364
Bis(2-chloroethyl)ether	ND		0.627	1	01/18/2024 22:45	WG2208364
2,2-Oxybis(1-Chloropropane)	ND		0.627	1	01/18/2024 22:45	WG2208364
4-Bromophenyl-phenylether	ND		0.627	1	01/18/2024 22:45	WG2208364
2-Chloronaphthalene	ND		0.0627	1	01/18/2024 22:45	WG2208364
4-Chlorophenyl-phenylether	ND		0.627	1	01/18/2024 22:45	WG2208364
Chrysene	ND		0.0627	1	01/18/2024 22:45	WG2208364
Dibenz(a,h)anthracene	ND		0.0627	1	01/18/2024 22:45	WG2208364
3,3-Dichlorobenzidine	ND		0.627	1	01/18/2024 22:45	WG2208364
2,4-Dinitrotoluene	ND		0.627	1	01/18/2024 22:45	WG2208364
2,6-Dinitrotoluene	ND		0.627	1	01/18/2024 22:45	WG2208364
Fluoranthene	ND		0.0627	1	01/18/2024 22:45	WG2208364
Fluorene	ND		0.0627	1	01/18/2024 22:45	WG2208364
Hexachlorobenzene	ND		0.627	1	01/18/2024 22:45	WG2208364
Hexachloro-1,3-butadiene	ND		0.627	1	01/18/2024 22:45	WG2208364
Hexachlorocyclopentadiene	ND		0.627	1	01/18/2024 22:45	WG2208364
Hexachloroethane	ND		0.627	1	01/18/2024 22:45	WG2208364
Indeno(1,2,3-cd)pyrene	ND		0.0627	1	01/18/2024 22:45	WG2208364
Isophorone	ND		0.627	1	01/18/2024 22:45	WG2208364
Naphthalene	ND		0.0627	1	01/18/2024 22:45	WG2208364
Nitrobenzene	ND		0.627	1	01/18/2024 22:45	WG2208364
n-Nitrosodimethylamine	ND		0.627	1	01/18/2024 22:45	WG2208364
n-Nitrosodiphenylamine	ND		0.627	1	01/18/2024 22:45	WG2208364
n-Nitrosodi-n-propylamine	ND		0.627	1	01/18/2024 22:45	WG2208364
Phenanthrene	ND		0.0627	1	01/18/2024 22:45	WG2208364
Benzylbutyl phthalate	ND		0.627	1	01/18/2024 22:45	WG2208364
Bis(2-ethylhexyl)phthalate	ND		0.627	1	01/18/2024 22:45	WG2208364
Di-n-butyl phthalate	ND		0.627	1	01/18/2024 22:45	WG2208364
Diethyl phthalate	ND		0.627	1	01/18/2024 22:45	WG2208364
Dimethyl phthalate	ND		0.627	1	01/18/2024 22:45	WG2208364
Di-n-octyl phthalate	ND		0.627	1	01/18/2024 22:45	WG2208364
Pyrene	ND		0.0627	1	01/18/2024 22:45	WG2208364
1,2,4-Trichlorobenzene	ND		0.627	1	01/18/2024 22:45	WG2208364
4-Chloro-3-methylphenol	ND		0.627	1	01/18/2024 22:45	WG2208364
2-Chlorophenol	ND		0.627	1	01/18/2024 22:45	WG2208364
2,4-Dichlorophenol	ND		0.627	1	01/18/2024 22:45	WG2208364
2,4-Dimethylphenol	ND		0.627	1	01/18/2024 22:45	WG2208364
4,6-Dinitro-2-methylphenol	ND		0.627	1	01/18/2024 22:45	WG2208364
2,4-Dinitrophenol	ND		0.627	1	01/18/2024 22:45	WG2208364
2-Nitrophenol	ND		0.627	1	01/18/2024 22:45	WG2208364
4-Nitrophenol	ND		0.627	1	01/18/2024 22:45	WG2208364
Pentachlorophenol	ND		0.627	1	01/18/2024 22:45	WG2208364
Phenol	ND		0.627	1	01/18/2024 22:45	WG2208364
2,4,6-Trichlorophenol	ND		0.627	1	01/18/2024 22:45	WG2208364
(S) 2-Fluorophenol	51.5		12.0-120		01/18/2024 22:45	WG2208364
(S) Phenol-d5	55.8		10.0-120		01/18/2024 22:45	WG2208364
(S) Nitrobenzene-d5	47.0		10.0-122		01/18/2024 22:45	WG2208364
(S) 2-Fluorobiphenyl	53.6		15.0-120		01/18/2024 22:45	WG2208364
(S) 2,4,6-Tribromophenol	56.5		10.0-127		01/18/2024 22:45	WG2208364
(S) p-Terphenyl-d14	60.3		10.0-120		01/18/2024 22:45	WG2208364

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.5		1	01/16/2024 08:09	WG2207404

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.33	1	01/22/2024 13:21	WG2208078

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0887		0.0530	1	01/18/2024 02:59	WG2206961

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.98	5	01/23/2024 12:10	WG2207363
Arsenic	4.67		1.33	5	01/23/2024 12:10	WG2207363
Barium	116		3.31	5	01/23/2024 12:10	WG2207363
Beryllium	ND		3.31	5	01/23/2024 12:10	WG2207363
Cadmium	ND		1.33	5	01/23/2024 12:10	WG2207363
Chromium	39.2		6.63	5	01/23/2024 12:10	WG2207363
Cobalt	16.3		1.33	5	01/23/2024 12:10	WG2207363
Copper	25.5		6.63	5	01/23/2024 12:10	WG2207363
Lead	33.0		2.65	5	01/23/2024 12:10	WG2207363
Manganese	853		3.31	5	01/23/2024 12:10	WG2207363
Nickel	18.0		3.31	5	01/23/2024 12:10	WG2207363
Selenium	ND		3.31	5	01/23/2024 12:10	WG2207363
Silver	ND		0.663	5	01/23/2024 12:10	WG2207363
Thallium	ND		2.65	5	01/23/2024 12:10	WG2207363
Vanadium	50.9		3.31	5	01/23/2024 12:10	WG2207363
Zinc	154		33.1	5	01/23/2024 12:10	WG2207363

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0832	1.01	01/16/2024 00:08	WG2207575
Acrylonitrile	ND		0.0208	1.01	01/16/2024 00:08	WG2207575
Benzene	ND		0.00166	1.01	01/16/2024 00:08	WG2207575
Bromobenzene	ND		0.0208	1.01	01/16/2024 00:08	WG2207575
Bromodichloromethane	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
Bromoform	ND		0.0417	1.01	01/16/2024 00:08	WG2207575
Bromomethane	ND		0.0208	1.01	01/16/2024 00:08	WG2207575
n-Butylbenzene	ND		0.0208	1.01	01/16/2024 00:08	WG2207575
sec-Butylbenzene	ND		0.0208	1.01	01/16/2024 00:08	WG2207575
tert-Butylbenzene	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
Carbon tetrachloride	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
Chlorobenzene	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
Chlorodibromomethane	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
Chloroethane	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
Chloroform	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
Chloromethane	ND		0.0208	1.01	01/16/2024 00:08	WG2207575
2-Chlorotoluene	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
4-Chlorotoluene	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
1,2-Dibromo-3-Chloropropane	ND	C3	0.0417	1.01	01/16/2024 00:08	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
Dibromomethane	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
1,2-Dichlorobenzene	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
1,3-Dichlorobenzene	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
1,4-Dichlorobenzene	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
Dichlorodifluoromethane	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
1,1-Dichloroethane	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
1,2-Dichloroethane	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
1,1-Dichloroethene	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
cis-1,2-Dichloroethene	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
trans-1,2-Dichloroethene	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
1,2-Dichloropropane	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
1,1-Dichloropropene	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
1,3-Dichloropropane	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
cis-1,3-Dichloropropene	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
trans-1,3-Dichloropropene	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
2,2-Dichloropropane	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
Di-isopropyl ether	ND		0.00166	1.01	01/16/2024 00:08	WG2207575
Ethylbenzene	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
Hexachloro-1,3-butadiene	ND		0.0417	1.01	01/16/2024 00:08	WG2207575
Isopropylbenzene	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
p-Isopropyltoluene	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
2-Butanone (MEK)	ND		0.166	1.01	01/16/2024 00:08	WG2207575
Methylene Chloride	ND		0.0417	1.01	01/16/2024 00:08	WG2207575
4-Methyl-2-pentanone (MIBK)	ND		0.0417	1.01	01/16/2024 00:08	WG2207575
Methyl tert-butyl ether	ND		0.00166	1.01	01/16/2024 00:08	WG2207575
Naphthalene	ND		0.0208	1.01	01/16/2024 00:08	WG2207575
n-Propylbenzene	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
Styrene	ND		0.0208	1.01	01/16/2024 00:08	WG2207575
1,1,1,2-Tetrachloroethane	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
1,1,2,2-Tetrachloroethane	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
Tetrachloroethene	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
Toluene	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
1,2,3-Trichlorobenzene	ND		0.0208	1.01	01/16/2024 00:08	WG2207575
1,2,4-Trichlorobenzene	ND		0.0208	1.01	01/16/2024 00:08	WG2207575
1,1,1-Trichloroethane	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
1,1,2-Trichloroethane	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
Trichloroethene	ND		0.00166	1.01	01/16/2024 00:08	WG2207575
Trichlorofluoromethane	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
1,2,3-Trichloropropane	ND		0.0208	1.01	01/16/2024 00:08	WG2207575
1,2,4-Trimethylbenzene	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
1,3,5-Trimethylbenzene	ND		0.00832	1.01	01/16/2024 00:08	WG2207575
Vinyl chloride	ND		0.00417	1.01	01/16/2024 00:08	WG2207575
Xylenes, Total	ND		0.0108	1.01	01/16/2024 00:08	WG2207575
(S) Toluene-d8	99.6		75.0-131		01/16/2024 00:08	WG2207575
(S) 4-Bromofluorobenzene	95.6		67.0-138		01/16/2024 00:08	WG2207575
(S) 1,2-Dichloroethane-d4	87.4		70.0-130		01/16/2024 00:08	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0441	1	01/18/2024 19:51	WG2208364
Acenaphthylene	ND		0.0441	1	01/18/2024 19:51	WG2208364
Anthracene	ND		0.0441	1	01/18/2024 19:51	WG2208364
Benzidine	ND		2.21	1	01/18/2024 19:51	WG2208364
Benzo(a)anthracene	0.0510		0.0441	1	01/18/2024 19:51	WG2208364

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0799		0.0441	1	01/18/2024 19:51	WG2208364
Benzo(k)fluoranthene	ND		0.0441	1	01/18/2024 19:51	WG2208364
Benzo(g,h,i)perylene	ND		0.0441	1	01/18/2024 19:51	WG2208364
Benzo(a)pyrene	0.0578		0.0441	1	01/18/2024 19:51	WG2208364
Bis(2-chloroethoxy)methane	ND		0.441	1	01/18/2024 19:51	WG2208364
Bis(2-chloroethyl)ether	ND		0.441	1	01/18/2024 19:51	WG2208364
2,2-Oxybis(1-Chloropropane)	ND		0.441	1	01/18/2024 19:51	WG2208364
4-Bromophenyl-phenylether	ND		0.441	1	01/18/2024 19:51	WG2208364
2-Chloronaphthalene	ND		0.0441	1	01/18/2024 19:51	WG2208364
4-Chlorophenyl-phenylether	ND		0.441	1	01/18/2024 19:51	WG2208364
Chrysene	0.0561		0.0441	1	01/18/2024 19:51	WG2208364
Dibenz(a,h)anthracene	ND		0.0441	1	01/18/2024 19:51	WG2208364
3,3-Dichlorobenzidine	ND		0.441	1	01/18/2024 19:51	WG2208364
2,4-Dinitrotoluene	ND		0.441	1	01/18/2024 19:51	WG2208364
2,6-Dinitrotoluene	ND		0.441	1	01/18/2024 19:51	WG2208364
Fluoranthene	0.111		0.0441	1	01/18/2024 19:51	WG2208364
Fluorene	ND		0.0441	1	01/18/2024 19:51	WG2208364
Hexachlorobenzene	ND		0.441	1	01/18/2024 19:51	WG2208364
Hexachloro-1,3-butadiene	ND		0.441	1	01/18/2024 19:51	WG2208364
Hexachlorocyclopentadiene	ND		0.441	1	01/18/2024 19:51	WG2208364
Hexachloroethane	ND		0.441	1	01/18/2024 19:51	WG2208364
Indeno(1,2,3-cd)pyrene	ND		0.0441	1	01/18/2024 19:51	WG2208364
Isophorone	ND		0.441	1	01/18/2024 19:51	WG2208364
Naphthalene	ND		0.0441	1	01/18/2024 19:51	WG2208364
Nitrobenzene	ND		0.441	1	01/18/2024 19:51	WG2208364
n-Nitrosodimethylamine	ND		0.441	1	01/18/2024 19:51	WG2208364
n-Nitrosodiphenylamine	ND		0.441	1	01/18/2024 19:51	WG2208364
n-Nitrosodi-n-propylamine	ND		0.441	1	01/18/2024 19:51	WG2208364
Phenanthrene	0.0527		0.0441	1	01/18/2024 19:51	WG2208364
Benzylbutyl phthalate	ND		0.441	1	01/18/2024 19:51	WG2208364
Bis(2-ethylhexyl)phthalate	ND		0.441	1	01/18/2024 19:51	WG2208364
Di-n-butyl phthalate	ND		0.441	1	01/18/2024 19:51	WG2208364
Diethyl phthalate	ND		0.441	1	01/18/2024 19:51	WG2208364
Dimethyl phthalate	ND		0.441	1	01/18/2024 19:51	WG2208364
Di-n-octyl phthalate	ND		0.441	1	01/18/2024 19:51	WG2208364
Pyrene	0.102		0.0441	1	01/18/2024 19:51	WG2208364
1,2,4-Trichlorobenzene	ND		0.441	1	01/18/2024 19:51	WG2208364
4-Chloro-3-methylphenol	ND		0.441	1	01/18/2024 19:51	WG2208364
2-Chlorophenol	ND		0.441	1	01/18/2024 19:51	WG2208364
2,4-Dichlorophenol	ND		0.441	1	01/18/2024 19:51	WG2208364
2,4-Dimethylphenol	ND		0.441	1	01/18/2024 19:51	WG2208364
4,6-Dinitro-2-methylphenol	ND		0.441	1	01/18/2024 19:51	WG2208364
2,4-Dinitrophenol	ND		0.441	1	01/18/2024 19:51	WG2208364
2-Nitrophenol	ND		0.441	1	01/18/2024 19:51	WG2208364
4-Nitrophenol	ND		0.441	1	01/18/2024 19:51	WG2208364
Pentachlorophenol	ND		0.441	1	01/18/2024 19:51	WG2208364
Phenol	ND		0.441	1	01/18/2024 19:51	WG2208364
2,4,6-Trichlorophenol	ND		0.441	1	01/18/2024 19:51	WG2208364
(S) 2-Fluorophenol	56.0		12.0-120		01/18/2024 19:51	WG2208364
(S) Phenol-d5	57.6		10.0-120		01/18/2024 19:51	WG2208364
(S) Nitrobenzene-d5	53.8		10.0-122		01/18/2024 19:51	WG2208364
(S) 2-Fluorobiphenyl	53.8		15.0-120		01/18/2024 19:51	WG2208364
(S) 2,4,6-Tribromophenol	54.3		10.0-127		01/18/2024 19:51	WG2208364
(S) p-Terphenyl-d14	55.4		10.0-120		01/18/2024 19:51	WG2208364

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.5		1	01/16/2024 08:09	WG2207404

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.79		1.38	1	01/22/2024 13:28	WG2208078

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0551	1	01/18/2024 03:02	WG2206961

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.14	5	01/23/2024 12:13	WG2207363
Arsenic	2.43		1.38	5	01/23/2024 12:13	WG2207363
Barium	68.2		3.45	5	01/23/2024 12:13	WG2207363
Beryllium	ND		3.45	5	01/23/2024 12:13	WG2207363
Cadmium	ND		1.38	5	01/23/2024 12:13	WG2207363
Chromium	29.9		6.89	5	01/23/2024 12:13	WG2207363
Cobalt	10.9		1.38	5	01/23/2024 12:13	WG2207363
Copper	17.2		6.89	5	01/23/2024 12:13	WG2207363
Lead	23.3		2.76	5	01/23/2024 12:13	WG2207363
Manganese	469		3.45	5	01/23/2024 12:13	WG2207363
Nickel	14.7		3.45	5	01/23/2024 12:13	WG2207363
Selenium	ND		3.45	5	01/23/2024 12:13	WG2207363
Silver	ND		0.689	5	01/23/2024 12:13	WG2207363
Thallium	ND		2.76	5	01/23/2024 12:13	WG2207363
Vanadium	33.9		3.45	5	01/23/2024 12:13	WG2207363
Zinc	62.5		34.5	5	01/23/2024 12:13	WG2207363

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0880	1	01/16/2024 00:27	WG2207575
Acrylonitrile	ND		0.0220	1	01/16/2024 00:27	WG2207575
Benzene	ND		0.00176	1	01/16/2024 00:27	WG2207575
Bromobenzene	ND		0.0220	1	01/16/2024 00:27	WG2207575
Bromodichloromethane	ND		0.00440	1	01/16/2024 00:27	WG2207575
Bromoform	ND		0.0440	1	01/16/2024 00:27	WG2207575
Bromomethane	ND		0.0220	1	01/16/2024 00:27	WG2207575
n-Butylbenzene	ND		0.0220	1	01/16/2024 00:27	WG2207575
sec-Butylbenzene	ND		0.0220	1	01/16/2024 00:27	WG2207575
tert-Butylbenzene	ND		0.00880	1	01/16/2024 00:27	WG2207575
Carbon tetrachloride	ND		0.00880	1	01/16/2024 00:27	WG2207575
Chlorobenzene	ND		0.00440	1	01/16/2024 00:27	WG2207575
Chlorodibromomethane	ND		0.00440	1	01/16/2024 00:27	WG2207575
Chloroethane	ND		0.00880	1	01/16/2024 00:27	WG2207575
Chloroform	ND		0.00440	1	01/16/2024 00:27	WG2207575
Chloromethane	ND		0.0220	1	01/16/2024 00:27	WG2207575
2-Chlorotoluene	ND		0.00440	1	01/16/2024 00:27	WG2207575
4-Chlorotoluene	ND		0.00880	1	01/16/2024 00:27	WG2207575
1,2-Dibromo-3-Chloropropane	ND	C3	0.0440	1	01/16/2024 00:27	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00440	1	01/16/2024 00:27	WG2207575
Dibromomethane	ND		0.00880	1	01/16/2024 00:27	WG2207575
1,2-Dichlorobenzene	ND		0.00880	1	01/16/2024 00:27	WG2207575
1,3-Dichlorobenzene	ND		0.00880	1	01/16/2024 00:27	WG2207575
1,4-Dichlorobenzene	ND		0.00880	1	01/16/2024 00:27	WG2207575
Dichlorodifluoromethane	ND		0.00880	1	01/16/2024 00:27	WG2207575
1,1-Dichloroethane	ND		0.00440	1	01/16/2024 00:27	WG2207575
1,2-Dichloroethane	ND		0.00440	1	01/16/2024 00:27	WG2207575
1,1-Dichloroethene	ND		0.00440	1	01/16/2024 00:27	WG2207575
cis-1,2-Dichloroethene	ND		0.00440	1	01/16/2024 00:27	WG2207575
trans-1,2-Dichloroethene	ND		0.00880	1	01/16/2024 00:27	WG2207575
1,2-Dichloropropane	ND		0.00880	1	01/16/2024 00:27	WG2207575
1,1-Dichloropropene	ND		0.00440	1	01/16/2024 00:27	WG2207575
1,3-Dichloropropane	ND		0.00880	1	01/16/2024 00:27	WG2207575
cis-1,3-Dichloropropene	ND		0.00440	1	01/16/2024 00:27	WG2207575
trans-1,3-Dichloropropene	ND		0.00880	1	01/16/2024 00:27	WG2207575
2,2-Dichloropropane	ND		0.00440	1	01/16/2024 00:27	WG2207575
Di-isopropyl ether	ND		0.00176	1	01/16/2024 00:27	WG2207575
Ethylbenzene	ND		0.00440	1	01/16/2024 00:27	WG2207575
Hexachloro-1,3-butadiene	ND		0.0440	1	01/16/2024 00:27	WG2207575
Isopropylbenzene	ND		0.00440	1	01/16/2024 00:27	WG2207575
p-Isopropyltoluene	ND		0.00880	1	01/16/2024 00:27	WG2207575
2-Butanone (MEK)	ND		0.176	1	01/16/2024 00:27	WG2207575
Methylene Chloride	ND		0.0440	1	01/16/2024 00:27	WG2207575
4-Methyl-2-pentanone (MIBK)	ND		0.0440	1	01/16/2024 00:27	WG2207575
Methyl tert-butyl ether	ND		0.00176	1	01/16/2024 00:27	WG2207575
Naphthalene	ND		0.0220	1	01/16/2024 00:27	WG2207575
n-Propylbenzene	ND		0.00880	1	01/16/2024 00:27	WG2207575
Styrene	ND		0.0220	1	01/16/2024 00:27	WG2207575
1,1,1,2-Tetrachloroethane	ND		0.00440	1	01/16/2024 00:27	WG2207575
1,1,2,2-Tetrachloroethane	ND		0.00440	1	01/16/2024 00:27	WG2207575
Tetrachloroethene	ND		0.00440	1	01/16/2024 00:27	WG2207575
Toluene	ND		0.00880	1	01/16/2024 00:27	WG2207575
1,2,3-Trichlorobenzene	ND		0.0220	1	01/16/2024 00:27	WG2207575
1,2,4-Trichlorobenzene	ND		0.0220	1	01/16/2024 00:27	WG2207575
1,1,1-Trichloroethane	ND		0.00440	1	01/16/2024 00:27	WG2207575
1,1,2-Trichloroethane	ND		0.00440	1	01/16/2024 00:27	WG2207575
Trichloroethene	ND		0.00176	1	01/16/2024 00:27	WG2207575
Trichlorofluoromethane	ND		0.00440	1	01/16/2024 00:27	WG2207575
1,2,3-Trichloropropane	ND		0.0220	1	01/16/2024 00:27	WG2207575
1,2,4-Trimethylbenzene	ND		0.00880	1	01/16/2024 00:27	WG2207575
1,3,5-Trimethylbenzene	ND		0.00880	1	01/16/2024 00:27	WG2207575
Vinyl chloride	ND		0.00440	1	01/16/2024 00:27	WG2207575
Xylenes, Total	ND		0.0114	1	01/16/2024 00:27	WG2207575
(S) Toluene-d8	100		75.0-131		01/16/2024 00:27	WG2207575
(S) 4-Bromofluorobenzene	97.2		67.0-138		01/16/2024 00:27	WG2207575
(S) 1,2-Dichloroethane-d4	91.9		70.0-130		01/16/2024 00:27	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0459	1	01/18/2024 16:30	WG2208364
Acenaphthylene	ND		0.0459	1	01/18/2024 16:30	WG2208364
Anthracene	ND		0.0459	1	01/18/2024 16:30	WG2208364
Benzidine	ND		2.30	1	01/18/2024 16:30	WG2208364
Benzo(a)anthracene	0.105		0.0459	1	01/18/2024 16:30	WG2208364

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.196		0.0459	1	01/18/2024 16:30	WG2208364
Benzo(k)fluoranthene	0.0605		0.0459	1	01/18/2024 16:30	WG2208364
Benzo(g,h,i)perylene	0.0746		0.0459	1	01/18/2024 16:30	WG2208364
Benzo(a)pyrene	0.0998		0.0459	1	01/18/2024 16:30	WG2208364
Bis(2-chloroethoxy)methane	ND		0.459	1	01/18/2024 16:30	WG2208364
Bis(2-chloroethyl)ether	ND		0.459	1	01/18/2024 16:30	WG2208364
2,2-Oxybis(1-Chloropropane)	ND		0.459	1	01/18/2024 16:30	WG2208364
4-Bromophenyl-phenylether	ND		0.459	1	01/18/2024 16:30	WG2208364
2-Chloronaphthalene	ND		0.0459	1	01/18/2024 16:30	WG2208364
4-Chlorophenyl-phenylether	ND		0.459	1	01/18/2024 16:30	WG2208364
Chrysene	0.0939		0.0459	1	01/18/2024 16:30	WG2208364
Dibenz(a,h)anthracene	ND		0.0459	1	01/18/2024 16:30	WG2208364
3,3-Dichlorobenzidine	ND		0.459	1	01/18/2024 16:30	WG2208364
2,4-Dinitrotoluene	ND		0.459	1	01/18/2024 16:30	WG2208364
2,6-Dinitrotoluene	ND		0.459	1	01/18/2024 16:30	WG2208364
Fluoranthene	0.259		0.0459	1	01/18/2024 16:30	WG2208364
Fluorene	ND		0.0459	1	01/18/2024 16:30	WG2208364
Hexachlorobenzene	ND		0.459	1	01/18/2024 16:30	WG2208364
Hexachloro-1,3-butadiene	ND		0.459	1	01/18/2024 16:30	WG2208364
Hexachlorocyclopentadiene	ND		0.459	1	01/18/2024 16:30	WG2208364
Hexachloroethane	ND		0.459	1	01/18/2024 16:30	WG2208364
Indeno(1,2,3-cd)pyrene	0.0660		0.0459	1	01/18/2024 16:30	WG2208364
Isophorone	ND		0.459	1	01/18/2024 16:30	WG2208364
Naphthalene	ND		0.0459	1	01/18/2024 16:30	WG2208364
Nitrobenzene	ND		0.459	1	01/18/2024 16:30	WG2208364
n-Nitrosodimethylamine	ND		0.459	1	01/18/2024 16:30	WG2208364
n-Nitrosodiphenylamine	ND		0.459	1	01/18/2024 16:30	WG2208364
n-Nitrosodi-n-propylamine	ND		0.459	1	01/18/2024 16:30	WG2208364
Phenanthrene	0.183		0.0459	1	01/18/2024 16:30	WG2208364
Benzylbutyl phthalate	ND		0.459	1	01/18/2024 16:30	WG2208364
Bis(2-ethylhexyl)phthalate	ND		0.459	1	01/18/2024 16:30	WG2208364
Di-n-butyl phthalate	ND		0.459	1	01/18/2024 16:30	WG2208364
Diethyl phthalate	ND		0.459	1	01/18/2024 16:30	WG2208364
Dimethyl phthalate	ND		0.459	1	01/18/2024 16:30	WG2208364
Di-n-octyl phthalate	ND		0.459	1	01/18/2024 16:30	WG2208364
Pyrene	0.216		0.0459	1	01/18/2024 16:30	WG2208364
1,2,4-Trichlorobenzene	ND		0.459	1	01/18/2024 16:30	WG2208364
4-Chloro-3-methylphenol	ND		0.459	1	01/18/2024 16:30	WG2208364
2-Chlorophenol	ND		0.459	1	01/18/2024 16:30	WG2208364
2,4-Dichlorophenol	ND		0.459	1	01/18/2024 16:30	WG2208364
2,4-Dimethylphenol	ND		0.459	1	01/18/2024 16:30	WG2208364
4,6-Dinitro-2-methylphenol	ND		0.459	1	01/18/2024 16:30	WG2208364
2,4-Dinitrophenol	ND		0.459	1	01/18/2024 16:30	WG2208364
2-Nitrophenol	ND		0.459	1	01/18/2024 16:30	WG2208364
4-Nitrophenol	ND		0.459	1	01/18/2024 16:30	WG2208364
Pentachlorophenol	ND		0.459	1	01/18/2024 16:30	WG2208364
Phenol	ND		0.459	1	01/18/2024 16:30	WG2208364
2,4,6-Trichlorophenol	ND		0.459	1	01/18/2024 16:30	WG2208364
(S) 2-Fluorophenol	52.6		12.0-120		01/18/2024 16:30	WG2208364
(S) Phenol-d5	51.9		10.0-120		01/18/2024 16:30	WG2208364
(S) Nitrobenzene-d5	49.1		10.0-122		01/18/2024 16:30	WG2208364
(S) 2-Fluorobiphenyl	50.6		15.0-120		01/18/2024 16:30	WG2208364
(S) 2,4,6-Tribromophenol	49.8		10.0-127		01/18/2024 16:30	WG2208364
(S) p-Terphenyl-d14	54.6		10.0-120		01/18/2024 16:30	WG2208364

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.6		1	01/16/2024 09:09	WG2207407

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.29	1	01/23/2024 09:51	WG2208095

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0515	1	01/18/2024 03:04	WG2206961

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.87	5	01/23/2024 12:16	WG2207363
Arsenic	3.37		1.29	5	01/23/2024 12:16	WG2207363
Barium	86.3		3.22	5	01/23/2024 12:16	WG2207363
Beryllium	ND		3.22	5	01/23/2024 12:16	WG2207363
Cadmium	ND		1.29	5	01/23/2024 12:16	WG2207363
Chromium	35.3		6.44	5	01/23/2024 12:16	WG2207363
Cobalt	14.5		1.29	5	01/23/2024 12:16	WG2207363
Copper	22.8		6.44	5	01/23/2024 12:16	WG2207363
Lead	23.1		2.58	5	01/23/2024 12:16	WG2207363
Manganese	545		3.22	5	01/23/2024 12:16	WG2207363
Nickel	16.6		3.22	5	01/23/2024 12:16	WG2207363
Selenium	ND		3.22	5	01/23/2024 12:16	WG2207363
Silver	ND		0.644	5	01/23/2024 12:16	WG2207363
Thallium	ND		2.58	5	01/23/2024 12:16	WG2207363
Vanadium	44.4		3.22	5	01/23/2024 12:16	WG2207363
Zinc	47.2		32.2	5	01/23/2024 12:16	WG2207363

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0898	1.17	01/16/2024 00:46	WG2207575
Acrylonitrile	ND		0.0224	1.17	01/16/2024 00:46	WG2207575
Benzene	ND		0.00180	1.17	01/16/2024 00:46	WG2207575
Bromobenzene	ND		0.0224	1.17	01/16/2024 00:46	WG2207575
Bromodichloromethane	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
Bromoform	ND		0.0450	1.17	01/16/2024 00:46	WG2207575
Bromomethane	ND		0.0224	1.17	01/16/2024 00:46	WG2207575
n-Butylbenzene	ND		0.0224	1.17	01/16/2024 00:46	WG2207575
sec-Butylbenzene	ND		0.0224	1.17	01/16/2024 00:46	WG2207575
tert-Butylbenzene	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
Carbon tetrachloride	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
Chlorobenzene	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
Chlorodibromomethane	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
Chloroethane	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
Chloroform	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
Chloromethane	ND		0.0224	1.17	01/16/2024 00:46	WG2207575
2-Chlorotoluene	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
4-Chlorotoluene	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
1,2-Dibromo-3-Chloropropane	ND	C3	0.0450	1.17	01/16/2024 00:46	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
Dibromomethane	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
1,2-Dichlorobenzene	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
1,3-Dichlorobenzene	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
1,4-Dichlorobenzene	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
Dichlorodifluoromethane	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
1,1-Dichloroethane	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
1,2-Dichloroethane	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
1,1-Dichloroethene	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
cis-1,2-Dichloroethene	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
trans-1,2-Dichloroethene	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
1,2-Dichloropropane	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
1,1-Dichloropropene	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
1,3-Dichloropropane	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
cis-1,3-Dichloropropene	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
trans-1,3-Dichloropropene	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
2,2-Dichloropropane	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
Di-isopropyl ether	ND		0.00180	1.17	01/16/2024 00:46	WG2207575
Ethylbenzene	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
Hexachloro-1,3-butadiene	ND		0.0450	1.17	01/16/2024 00:46	WG2207575
Isopropylbenzene	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
p-Isopropyltoluene	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
2-Butanone (MEK)	ND		0.180	1.17	01/16/2024 00:46	WG2207575
Methylene Chloride	ND		0.0450	1.17	01/16/2024 00:46	WG2207575
4-Methyl-2-pentanone (MIBK)	ND		0.0450	1.17	01/16/2024 00:46	WG2207575
Methyl tert-butyl ether	ND		0.00180	1.17	01/16/2024 00:46	WG2207575
Naphthalene	ND		0.0224	1.17	01/16/2024 00:46	WG2207575
n-Propylbenzene	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
Styrene	ND		0.0224	1.17	01/16/2024 00:46	WG2207575
1,1,1,2-Tetrachloroethane	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
1,1,2,2-Tetrachloroethane	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
Tetrachloroethene	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
Toluene	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
1,2,3-Trichlorobenzene	ND		0.0224	1.17	01/16/2024 00:46	WG2207575
1,2,4-Trichlorobenzene	ND		0.0224	1.17	01/16/2024 00:46	WG2207575
1,1,1-Trichloroethane	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
1,1,2-Trichloroethane	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
Trichloroethene	ND		0.00180	1.17	01/16/2024 00:46	WG2207575
Trichlorofluoromethane	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
1,2,3-Trichloropropane	ND		0.0224	1.17	01/16/2024 00:46	WG2207575
1,2,4-Trimethylbenzene	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
1,3,5-Trimethylbenzene	ND		0.00898	1.17	01/16/2024 00:46	WG2207575
Vinyl chloride	ND		0.00450	1.17	01/16/2024 00:46	WG2207575
Xylenes, Total	ND		0.0117	1.17	01/16/2024 00:46	WG2207575
(S) Toluene-d8	101		75.0-131		01/16/2024 00:46	WG2207575
(S) 4-Bromofluorobenzene	106		67.0-138		01/16/2024 00:46	WG2207575
(S) 1,2-Dichloroethane-d4	91.0		70.0-130		01/16/2024 00:46	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0429	1	01/18/2024 21:06	WG2208364
Acenaphthylene	ND		0.0429	1	01/18/2024 21:06	WG2208364
Anthracene	ND		0.0429	1	01/18/2024 21:06	WG2208364
Benzidine	ND		2.15	1	01/18/2024 21:06	WG2208364
Benzo(a)anthracene	0.0439		0.0429	1	01/18/2024 21:06	WG2208364

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0753		0.0429	1	01/18/2024 21:06	WG2208364
Benzo(k)fluoranthene	ND		0.0429	1	01/18/2024 21:06	WG2208364
Benzo(g,h,i)perylene	ND		0.0429	1	01/18/2024 21:06	WG2208364
Benzo(a)pyrene	0.0501		0.0429	1	01/18/2024 21:06	WG2208364
Bis(2-chloroethoxy)methane	ND		0.429	1	01/18/2024 21:06	WG2208364
Bis(2-chloroethyl)ether	ND		0.429	1	01/18/2024 21:06	WG2208364
2,2-Oxybis(1-Chloropropane)	ND		0.429	1	01/18/2024 21:06	WG2208364
4-Bromophenyl-phenylether	ND		0.429	1	01/18/2024 21:06	WG2208364
2-Chloronaphthalene	ND		0.0429	1	01/18/2024 21:06	WG2208364
4-Chlorophenyl-phenylether	ND		0.429	1	01/18/2024 21:06	WG2208364
Chrysene	0.0533		0.0429	1	01/18/2024 21:06	WG2208364
Dibenz(a,h)anthracene	ND		0.0429	1	01/18/2024 21:06	WG2208364
3,3-Dichlorobenzidine	ND		0.429	1	01/18/2024 21:06	WG2208364
2,4-Dinitrotoluene	ND		0.429	1	01/18/2024 21:06	WG2208364
2,6-Dinitrotoluene	ND		0.429	1	01/18/2024 21:06	WG2208364
Fluoranthene	0.102		0.0429	1	01/18/2024 21:06	WG2208364
Fluorene	ND		0.0429	1	01/18/2024 21:06	WG2208364
Hexachlorobenzene	ND		0.429	1	01/18/2024 21:06	WG2208364
Hexachloro-1,3-butadiene	ND		0.429	1	01/18/2024 21:06	WG2208364
Hexachlorocyclopentadiene	ND		0.429	1	01/18/2024 21:06	WG2208364
Hexachloroethane	ND		0.429	1	01/18/2024 21:06	WG2208364
Indeno(1,2,3-cd)pyrene	ND		0.0429	1	01/18/2024 21:06	WG2208364
Isophorone	ND		0.429	1	01/18/2024 21:06	WG2208364
Naphthalene	ND		0.0429	1	01/18/2024 21:06	WG2208364
Nitrobenzene	ND		0.429	1	01/18/2024 21:06	WG2208364
n-Nitrosodimethylamine	ND		0.429	1	01/18/2024 21:06	WG2208364
n-Nitrosodiphenylamine	ND		0.429	1	01/18/2024 21:06	WG2208364
n-Nitrosodi-n-propylamine	ND		0.429	1	01/18/2024 21:06	WG2208364
Phenanthrene	0.0436		0.0429	1	01/18/2024 21:06	WG2208364
Benzylbutyl phthalate	ND		0.429	1	01/18/2024 21:06	WG2208364
Bis(2-ethylhexyl)phthalate	ND		0.429	1	01/18/2024 21:06	WG2208364
Di-n-butyl phthalate	ND		0.429	1	01/18/2024 21:06	WG2208364
Diethyl phthalate	ND		0.429	1	01/18/2024 21:06	WG2208364
Dimethyl phthalate	ND		0.429	1	01/18/2024 21:06	WG2208364
Di-n-octyl phthalate	ND		0.429	1	01/18/2024 21:06	WG2208364
Pyrene	0.0887		0.0429	1	01/18/2024 21:06	WG2208364
1,2,4-Trichlorobenzene	ND		0.429	1	01/18/2024 21:06	WG2208364
4-Chloro-3-methylphenol	ND		0.429	1	01/18/2024 21:06	WG2208364
2-Chlorophenol	ND		0.429	1	01/18/2024 21:06	WG2208364
2,4-Dichlorophenol	ND		0.429	1	01/18/2024 21:06	WG2208364
2,4-Dimethylphenol	ND		0.429	1	01/18/2024 21:06	WG2208364
4,6-Dinitro-2-methylphenol	ND		0.429	1	01/18/2024 21:06	WG2208364
2,4-Dinitrophenol	ND		0.429	1	01/18/2024 21:06	WG2208364
2-Nitrophenol	ND		0.429	1	01/18/2024 21:06	WG2208364
4-Nitrophenol	ND		0.429	1	01/18/2024 21:06	WG2208364
Pentachlorophenol	ND		0.429	1	01/18/2024 21:06	WG2208364
Phenol	ND		0.429	1	01/18/2024 21:06	WG2208364
2,4,6-Trichlorophenol	ND		0.429	1	01/18/2024 21:06	WG2208364
(S) 2-Fluorophenol	60.5		12.0-120		01/18/2024 21:06	WG2208364
(S) Phenol-d5	59.3		10.0-120		01/18/2024 21:06	WG2208364
(S) Nitrobenzene-d5	54.7		10.0-122		01/18/2024 21:06	WG2208364
(S) 2-Fluorobiphenyl	54.4		15.0-120		01/18/2024 21:06	WG2208364
(S) 2,4,6-Tribromophenol	55.9		10.0-127		01/18/2024 21:06	WG2208364
(S) p-Terphenyl-d14	59.9		10.0-120		01/18/2024 21:06	WG2208364

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.4		1	01/16/2024 09:09	WG2207407

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.31	1	01/23/2024 09:57	WG2208095

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0524	1	01/18/2024 03:07	WG2206961

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.93	5	01/23/2024 12:19	WG2207363
Arsenic	2.07		1.31	5	01/23/2024 12:19	WG2207363
Barium	60.9		3.27	5	01/23/2024 12:19	WG2207363
Beryllium	ND		3.27	5	01/23/2024 12:19	WG2207363
Cadmium	ND		1.31	5	01/23/2024 12:19	WG2207363
Chromium	17.7		6.55	5	01/23/2024 12:19	WG2207363
Cobalt	6.92		1.31	5	01/23/2024 12:19	WG2207363
Copper	13.9		6.55	5	01/23/2024 12:19	WG2207363
Lead	33.1		2.62	5	01/23/2024 12:19	WG2207363
Manganese	382		3.27	5	01/23/2024 12:19	WG2207363
Nickel	11.5		3.27	5	01/23/2024 12:19	WG2207363
Selenium	ND		3.27	5	01/23/2024 12:19	WG2207363
Silver	0.674		0.655	5	01/23/2024 12:19	WG2207363
Thallium	ND		2.62	5	01/23/2024 12:19	WG2207363
Vanadium	23.1		3.27	5	01/23/2024 12:19	WG2207363
Zinc	70.2		32.7	5	01/23/2024 12:19	WG2207363

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0827	1	01/16/2024 01:05	WG2207575
Acrylonitrile	ND		0.0207	1	01/16/2024 01:05	WG2207575
Benzene	ND		0.00165	1	01/16/2024 01:05	WG2207575
Bromobenzene	ND		0.0207	1	01/16/2024 01:05	WG2207575
Bromodichloromethane	ND		0.00414	1	01/16/2024 01:05	WG2207575
Bromoform	ND		0.0414	1	01/16/2024 01:05	WG2207575
Bromomethane	ND		0.0207	1	01/16/2024 01:05	WG2207575
n-Butylbenzene	ND		0.0207	1	01/16/2024 01:05	WG2207575
sec-Butylbenzene	ND		0.0207	1	01/16/2024 01:05	WG2207575
tert-Butylbenzene	ND		0.00827	1	01/16/2024 01:05	WG2207575
Carbon tetrachloride	ND		0.00827	1	01/16/2024 01:05	WG2207575
Chlorobenzene	ND		0.00414	1	01/16/2024 01:05	WG2207575
Chlorodibromomethane	ND		0.00414	1	01/16/2024 01:05	WG2207575
Chloroethane	ND		0.00827	1	01/16/2024 01:05	WG2207575
Chloroform	ND		0.00414	1	01/16/2024 01:05	WG2207575
Chloromethane	ND		0.0207	1	01/16/2024 01:05	WG2207575
2-Chlorotoluene	ND		0.00414	1	01/16/2024 01:05	WG2207575
4-Chlorotoluene	ND		0.00827	1	01/16/2024 01:05	WG2207575
1,2-Dibromo-3-Chloropropane	ND	C3	0.0414	1	01/16/2024 01:05	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00414	1	01/16/2024 01:05	WG2207575
Dibromomethane	ND		0.00827	1	01/16/2024 01:05	WG2207575
1,2-Dichlorobenzene	ND		0.00827	1	01/16/2024 01:05	WG2207575
1,3-Dichlorobenzene	ND		0.00827	1	01/16/2024 01:05	WG2207575
1,4-Dichlorobenzene	ND		0.00827	1	01/16/2024 01:05	WG2207575
Dichlorodifluoromethane	ND		0.00827	1	01/16/2024 01:05	WG2207575
1,1-Dichloroethane	ND		0.00414	1	01/16/2024 01:05	WG2207575
1,2-Dichloroethane	ND		0.00414	1	01/16/2024 01:05	WG2207575
1,1-Dichloroethene	ND		0.00414	1	01/16/2024 01:05	WG2207575
cis-1,2-Dichloroethene	ND		0.00414	1	01/16/2024 01:05	WG2207575
trans-1,2-Dichloroethene	ND		0.00827	1	01/16/2024 01:05	WG2207575
1,2-Dichloropropane	ND		0.00827	1	01/16/2024 01:05	WG2207575
1,1-Dichloropropene	ND		0.00414	1	01/16/2024 01:05	WG2207575
1,3-Dichloropropane	ND		0.00827	1	01/16/2024 01:05	WG2207575
cis-1,3-Dichloropropene	ND		0.00414	1	01/16/2024 01:05	WG2207575
trans-1,3-Dichloropropene	ND		0.00827	1	01/16/2024 01:05	WG2207575
2,2-Dichloropropane	ND		0.00414	1	01/16/2024 01:05	WG2207575
Di-isopropyl ether	ND		0.00165	1	01/16/2024 01:05	WG2207575
Ethylbenzene	ND		0.00414	1	01/16/2024 01:05	WG2207575
Hexachloro-1,3-butadiene	ND		0.0414	1	01/16/2024 01:05	WG2207575
Isopropylbenzene	ND		0.00414	1	01/16/2024 01:05	WG2207575
p-Isopropyltoluene	ND		0.00827	1	01/16/2024 01:05	WG2207575
2-Butanone (MEK)	ND		0.165	1	01/16/2024 01:05	WG2207575
Methylene Chloride	ND		0.0414	1	01/16/2024 01:05	WG2207575
4-Methyl-2-pentanone (MIBK)	ND		0.0414	1	01/16/2024 01:05	WG2207575
Methyl tert-butyl ether	ND		0.00165	1	01/16/2024 01:05	WG2207575
Naphthalene	ND		0.0207	1	01/16/2024 01:05	WG2207575
n-Propylbenzene	ND		0.00827	1	01/16/2024 01:05	WG2207575
Styrene	ND		0.0207	1	01/16/2024 01:05	WG2207575
1,1,1,2-Tetrachloroethane	ND		0.00414	1	01/16/2024 01:05	WG2207575
1,1,2,2-Tetrachloroethane	ND		0.00414	1	01/16/2024 01:05	WG2207575
Tetrachloroethene	ND		0.00414	1	01/16/2024 01:05	WG2207575
Toluene	ND		0.00827	1	01/16/2024 01:05	WG2207575
1,2,3-Trichlorobenzene	ND		0.0207	1	01/16/2024 01:05	WG2207575
1,2,4-Trichlorobenzene	ND		0.0207	1	01/16/2024 01:05	WG2207575
1,1,1-Trichloroethane	ND		0.00414	1	01/16/2024 01:05	WG2207575
1,1,2-Trichloroethane	ND		0.00414	1	01/16/2024 01:05	WG2207575
Trichloroethene	ND		0.00165	1	01/16/2024 01:05	WG2207575
Trichlorofluoromethane	ND		0.00414	1	01/16/2024 01:05	WG2207575
1,2,3-Trichloropropane	ND		0.0207	1	01/16/2024 01:05	WG2207575
1,2,4-Trimethylbenzene	ND		0.00827	1	01/16/2024 01:05	WG2207575
1,3,5-Trimethylbenzene	ND		0.00827	1	01/16/2024 01:05	WG2207575
Vinyl chloride	ND		0.00414	1	01/16/2024 01:05	WG2207575
Xylenes, Total	ND		0.0108	1	01/16/2024 01:05	WG2207575
(S) Toluene-d8	103		75.0-131		01/16/2024 01:05	WG2207575
(S) 4-Bromofluorobenzene	95.7		67.0-138		01/16/2024 01:05	WG2207575
(S) 1,2-Dichloroethane-d4	91.1		70.0-130		01/16/2024 01:05	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0436	1	01/18/2024 21:31	WG2208364
Acenaphthylene	ND		0.0436	1	01/18/2024 21:31	WG2208364
Anthracene	ND		0.0436	1	01/18/2024 21:31	WG2208364
Benzdine	ND	J6	2.19	1	01/18/2024 21:31	WG2208364
Benzo(a)anthracene	0.0943		0.0436	1	01/18/2024 21:31	WG2208364

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.161		0.0436	1	01/18/2024 21:31	WG2208364
Benzo(k)fluoranthene	0.0494		0.0436	1	01/18/2024 21:31	WG2208364
Benzo(g,h,i)perylene	0.0462		0.0436	1	01/18/2024 21:31	WG2208364
Benzo(a)pyrene	0.104		0.0436	1	01/18/2024 21:31	WG2208364
Bis(2-chloroethoxy)methane	ND		0.436	1	01/18/2024 21:31	WG2208364
Bis(2-chloroethyl)ether	ND		0.436	1	01/18/2024 21:31	WG2208364
2,2-Oxybis(1-Chloropropane)	ND		0.436	1	01/18/2024 21:31	WG2208364
4-Bromophenyl-phenylether	ND		0.436	1	01/18/2024 21:31	WG2208364
2-Chloronaphthalene	ND		0.0436	1	01/18/2024 21:31	WG2208364
4-Chlorophenyl-phenylether	ND		0.436	1	01/18/2024 21:31	WG2208364
Chrysene	0.112		0.0436	1	01/18/2024 21:31	WG2208364
Dibenz(a,h)anthracene	ND		0.0436	1	01/18/2024 21:31	WG2208364
3,3-Dichlorobenzidine	ND	J6	0.436	1	01/18/2024 21:31	WG2208364
2,4-Dinitrotoluene	ND		0.436	1	01/18/2024 21:31	WG2208364
2,6-Dinitrotoluene	ND		0.436	1	01/18/2024 21:31	WG2208364
Fluoranthene	0.225	J3	0.0436	1	01/18/2024 21:31	WG2208364
Fluorene	ND		0.0436	1	01/18/2024 21:31	WG2208364
Hexachlorobenzene	ND		0.436	1	01/18/2024 21:31	WG2208364
Hexachloro-1,3-butadiene	ND		0.436	1	01/18/2024 21:31	WG2208364
Hexachlorocyclopentadiene	ND	J6	0.436	1	01/18/2024 21:31	WG2208364
Hexachloroethane	ND		0.436	1	01/18/2024 21:31	WG2208364
Indeno(1,2,3-cd)pyrene	0.0534		0.0436	1	01/18/2024 21:31	WG2208364
Isophorone	ND		0.436	1	01/18/2024 21:31	WG2208364
Naphthalene	ND		0.0436	1	01/18/2024 21:31	WG2208364
Nitrobenzene	ND		0.436	1	01/18/2024 21:31	WG2208364
n-Nitrosodimethylamine	ND		0.436	1	01/18/2024 21:31	WG2208364
n-Nitrosodiphenylamine	ND		0.436	1	01/18/2024 21:31	WG2208364
n-Nitrosodi-n-propylamine	ND		0.436	1	01/18/2024 21:31	WG2208364
Phenanthrene	0.106		0.0436	1	01/18/2024 21:31	WG2208364
Benzylbutyl phthalate	ND		0.436	1	01/18/2024 21:31	WG2208364
Bis(2-ethylhexyl)phthalate	ND	J3	0.436	1	01/18/2024 21:31	WG2208364
Di-n-butyl phthalate	ND		0.436	1	01/18/2024 21:31	WG2208364
Diethyl phthalate	ND		0.436	1	01/18/2024 21:31	WG2208364
Dimethyl phthalate	ND		0.436	1	01/18/2024 21:31	WG2208364
Di-n-octyl phthalate	ND		0.436	1	01/18/2024 21:31	WG2208364
Pyrene	0.187	J3	0.0436	1	01/18/2024 21:31	WG2208364
1,2,4-Trichlorobenzene	ND		0.436	1	01/18/2024 21:31	WG2208364
4-Chloro-3-methylphenol	ND		0.436	1	01/18/2024 21:31	WG2208364
2-Chlorophenol	ND		0.436	1	01/18/2024 21:31	WG2208364
2,4-Dichlorophenol	ND		0.436	1	01/18/2024 21:31	WG2208364
2,4-Dimethylphenol	ND		0.436	1	01/18/2024 21:31	WG2208364
4,6-Dinitro-2-methylphenol	ND		0.436	1	01/18/2024 21:31	WG2208364
2,4-Dinitrophenol	ND		0.436	1	01/18/2024 21:31	WG2208364
2-Nitrophenol	ND		0.436	1	01/18/2024 21:31	WG2208364
4-Nitrophenol	ND		0.436	1	01/18/2024 21:31	WG2208364
Pentachlorophenol	ND		0.436	1	01/18/2024 21:31	WG2208364
Phenol	ND		0.436	1	01/18/2024 21:31	WG2208364
2,4,6-Trichlorophenol	ND		0.436	1	01/18/2024 21:31	WG2208364
(S) 2-Fluorophenol	57.8		12.0-120		01/18/2024 21:31	WG2208364
(S) Phenol-d5	50.6		10.0-120		01/18/2024 21:31	WG2208364
(S) Nitrobenzene-d5	49.2		10.0-122		01/18/2024 21:31	WG2208364
(S) 2-Fluorobiphenyl	62.1		15.0-120		01/18/2024 21:31	WG2208364
(S) 2,4,6-Tribromophenol	62.4		10.0-127		01/18/2024 21:31	WG2208364
(S) p-Terphenyl-d14	60.6		10.0-120		01/18/2024 21:31	WG2208364

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.8		1	01/16/2024 09:09	WG2207407

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.37	1	01/23/2024 10:28	WG2208095

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0903		0.0549	1	01/18/2024 03:10	WG2206961

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	J6	4.12	5	01/25/2024 18:54	WG2207192
Arsenic	3.79		1.37	5	01/25/2024 18:54	WG2207192
Barium	151		3.43	5	01/25/2024 18:54	WG2207192
Beryllium	ND		3.43	5	01/25/2024 18:54	WG2207192
Cadmium	ND		1.37	5	01/25/2024 18:54	WG2207192
Chromium	30.1		6.87	5	01/25/2024 18:54	WG2207192
Cobalt	13.2		1.37	5	01/25/2024 18:54	WG2207192
Copper	19.7		6.87	5	01/25/2024 18:54	WG2207192
Lead	32.4		2.75	5	01/25/2024 18:54	WG2207192
Manganese	748	V	3.43	5	01/25/2024 18:54	WG2207192
Nickel	16.1	O1	3.43	5	01/25/2024 18:54	WG2207192
Selenium	ND		3.43	5	01/25/2024 18:54	WG2207192
Silver	ND		0.687	5	01/25/2024 18:54	WG2207192
Thallium	ND		2.75	5	01/25/2024 18:54	WG2207192
Vanadium	45.5		3.43	5	01/25/2024 18:54	WG2207192
Zinc	44.6		34.3	5	01/25/2024 18:54	WG2207192

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0919	1	01/16/2024 01:25	WG2207575
Acrylonitrile	ND		0.0230	1	01/16/2024 01:25	WG2207575
Benzene	ND		0.00184	1	01/16/2024 01:25	WG2207575
Bromobenzene	ND		0.0230	1	01/16/2024 01:25	WG2207575
Bromodichloromethane	ND		0.00459	1	01/16/2024 01:25	WG2207575
Bromoform	ND		0.0459	1	01/16/2024 01:25	WG2207575
Bromomethane	ND		0.0230	1	01/16/2024 01:25	WG2207575
n-Butylbenzene	ND		0.0230	1	01/16/2024 01:25	WG2207575
sec-Butylbenzene	ND		0.0230	1	01/16/2024 01:25	WG2207575
tert-Butylbenzene	ND		0.00919	1	01/16/2024 01:25	WG2207575
Carbon tetrachloride	ND		0.00919	1	01/16/2024 01:25	WG2207575
Chlorobenzene	ND		0.00459	1	01/16/2024 01:25	WG2207575
Chlorodibromomethane	ND		0.00459	1	01/16/2024 01:25	WG2207575
Chloroethane	ND		0.00919	1	01/16/2024 01:25	WG2207575
Chloroform	ND		0.00459	1	01/16/2024 01:25	WG2207575
Chloromethane	ND		0.0230	1	01/16/2024 01:25	WG2207575
2-Chlorotoluene	ND		0.00459	1	01/16/2024 01:25	WG2207575
4-Chlorotoluene	ND		0.00919	1	01/16/2024 01:25	WG2207575
1,2-Dibromo-3-Chloropropane	ND	C3	0.0459	1	01/16/2024 01:25	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00459	1	01/16/2024 01:25	WG2207575
Dibromomethane	ND		0.00919	1	01/16/2024 01:25	WG2207575
1,2-Dichlorobenzene	ND		0.00919	1	01/16/2024 01:25	WG2207575
1,3-Dichlorobenzene	ND		0.00919	1	01/16/2024 01:25	WG2207575
1,4-Dichlorobenzene	ND		0.00919	1	01/16/2024 01:25	WG2207575
Dichlorodifluoromethane	ND		0.00919	1	01/16/2024 01:25	WG2207575
1,1-Dichloroethane	ND		0.00459	1	01/16/2024 01:25	WG2207575
1,2-Dichloroethane	ND		0.00459	1	01/16/2024 01:25	WG2207575
1,1-Dichloroethene	ND		0.00459	1	01/16/2024 01:25	WG2207575
cis-1,2-Dichloroethene	ND		0.00459	1	01/16/2024 01:25	WG2207575
trans-1,2-Dichloroethene	ND		0.00919	1	01/16/2024 01:25	WG2207575
1,2-Dichloropropane	ND		0.00919	1	01/16/2024 01:25	WG2207575
1,1-Dichloropropene	ND		0.00459	1	01/16/2024 01:25	WG2207575
1,3-Dichloropropane	ND		0.00919	1	01/16/2024 01:25	WG2207575
cis-1,3-Dichloropropene	ND		0.00459	1	01/16/2024 01:25	WG2207575
trans-1,3-Dichloropropene	ND		0.00919	1	01/16/2024 01:25	WG2207575
2,2-Dichloropropane	ND		0.00459	1	01/16/2024 01:25	WG2207575
Di-isopropyl ether	ND		0.00184	1	01/16/2024 01:25	WG2207575
Ethylbenzene	ND		0.00459	1	01/16/2024 01:25	WG2207575
Hexachloro-1,3-butadiene	ND		0.0459	1	01/16/2024 01:25	WG2207575
Isopropylbenzene	ND		0.00459	1	01/16/2024 01:25	WG2207575
p-Isopropyltoluene	ND		0.00919	1	01/16/2024 01:25	WG2207575
2-Butanone (MEK)	ND		0.184	1	01/16/2024 01:25	WG2207575
Methylene Chloride	ND		0.0459	1	01/16/2024 01:25	WG2207575
4-Methyl-2-pentanone (MIBK)	ND		0.0459	1	01/16/2024 01:25	WG2207575
Methyl tert-butyl ether	ND		0.00184	1	01/16/2024 01:25	WG2207575
Naphthalene	ND		0.0230	1	01/16/2024 01:25	WG2207575
n-Propylbenzene	ND		0.00919	1	01/16/2024 01:25	WG2207575
Styrene	ND		0.0230	1	01/16/2024 01:25	WG2207575
1,1,1,2-Tetrachloroethane	ND		0.00459	1	01/16/2024 01:25	WG2207575
1,1,2,2-Tetrachloroethane	ND		0.00459	1	01/16/2024 01:25	WG2207575
Tetrachloroethene	ND		0.00459	1	01/16/2024 01:25	WG2207575
Toluene	ND		0.00919	1	01/16/2024 01:25	WG2207575
1,2,3-Trichlorobenzene	ND		0.0230	1	01/16/2024 01:25	WG2207575
1,2,4-Trichlorobenzene	ND		0.0230	1	01/16/2024 01:25	WG2207575
1,1,1-Trichloroethane	ND		0.00459	1	01/16/2024 01:25	WG2207575
1,1,2-Trichloroethane	ND		0.00459	1	01/16/2024 01:25	WG2207575
Trichloroethene	ND		0.00184	1	01/16/2024 01:25	WG2207575
Trichlorofluoromethane	ND		0.00459	1	01/16/2024 01:25	WG2207575
1,2,3-Trichloropropane	ND		0.0230	1	01/16/2024 01:25	WG2207575
1,2,4-Trimethylbenzene	ND		0.00919	1	01/16/2024 01:25	WG2207575
1,3,5-Trimethylbenzene	ND		0.00919	1	01/16/2024 01:25	WG2207575
Vinyl chloride	ND		0.00459	1	01/16/2024 01:25	WG2207575
Xylenes, Total	ND		0.0119	1	01/16/2024 01:25	WG2207575
(S) Toluene-d8	102		75.0-131		01/16/2024 01:25	WG2207575
(S) 4-Bromofluorobenzene	101		67.0-138		01/16/2024 01:25	WG2207575
(S) 1,2-Dichloroethane-d4	90.3		70.0-130		01/16/2024 01:25	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0457	1	01/18/2024 16:56	WG2208364
Acenaphthylene	ND		0.0457	1	01/18/2024 16:56	WG2208364
Anthracene	ND		0.0457	1	01/18/2024 16:56	WG2208364
Benzidine	ND		2.29	1	01/18/2024 16:56	WG2208364
Benzo(a)anthracene	ND		0.0457	1	01/18/2024 16:56	WG2208364

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0457	1	01/18/2024 16:56	WG2208364
Benzo(k)fluoranthene	ND		0.0457	1	01/18/2024 16:56	WG2208364
Benzo(g,h,i)perylene	ND		0.0457	1	01/18/2024 16:56	WG2208364
Benzo(a)pyrene	ND		0.0457	1	01/18/2024 16:56	WG2208364
Bis(2-chloroethoxy)methane	ND		0.457	1	01/18/2024 16:56	WG2208364
Bis(2-chloroethyl)ether	ND		0.457	1	01/18/2024 16:56	WG2208364
2,2-Oxybis(1-Chloropropane)	ND		0.457	1	01/18/2024 16:56	WG2208364
4-Bromophenyl-phenylether	ND		0.457	1	01/18/2024 16:56	WG2208364
2-Chloronaphthalene	ND		0.0457	1	01/18/2024 16:56	WG2208364
4-Chlorophenyl-phenylether	ND		0.457	1	01/18/2024 16:56	WG2208364
Chrysene	ND		0.0457	1	01/18/2024 16:56	WG2208364
Dibenz(a,h)anthracene	ND		0.0457	1	01/18/2024 16:56	WG2208364
3,3-Dichlorobenzidine	ND		0.457	1	01/18/2024 16:56	WG2208364
2,4-Dinitrotoluene	ND		0.457	1	01/18/2024 16:56	WG2208364
2,6-Dinitrotoluene	ND		0.457	1	01/18/2024 16:56	WG2208364
Fluoranthene	ND		0.0457	1	01/18/2024 16:56	WG2208364
Fluorene	ND		0.0457	1	01/18/2024 16:56	WG2208364
Hexachlorobenzene	ND		0.457	1	01/18/2024 16:56	WG2208364
Hexachloro-1,3-butadiene	ND		0.457	1	01/18/2024 16:56	WG2208364
Hexachlorocyclopentadiene	ND		0.457	1	01/18/2024 16:56	WG2208364
Hexachloroethane	ND		0.457	1	01/18/2024 16:56	WG2208364
Indeno(1,2,3-cd)pyrene	ND		0.0457	1	01/18/2024 16:56	WG2208364
Isophorone	ND		0.457	1	01/18/2024 16:56	WG2208364
Naphthalene	ND		0.0457	1	01/18/2024 16:56	WG2208364
Nitrobenzene	ND		0.457	1	01/18/2024 16:56	WG2208364
n-Nitrosodimethylamine	ND		0.457	1	01/18/2024 16:56	WG2208364
n-Nitrosodiphenylamine	ND		0.457	1	01/18/2024 16:56	WG2208364
n-Nitrosodi-n-propylamine	ND		0.457	1	01/18/2024 16:56	WG2208364
Phenanthrene	ND		0.0457	1	01/18/2024 16:56	WG2208364
Benzylbutyl phthalate	ND		0.457	1	01/18/2024 16:56	WG2208364
Bis(2-ethylhexyl)phthalate	ND		0.457	1	01/18/2024 16:56	WG2208364
Di-n-butyl phthalate	ND		0.457	1	01/18/2024 16:56	WG2208364
Diethyl phthalate	ND		0.457	1	01/18/2024 16:56	WG2208364
Dimethyl phthalate	ND		0.457	1	01/18/2024 16:56	WG2208364
Di-n-octyl phthalate	ND		0.457	1	01/18/2024 16:56	WG2208364
Pyrene	ND		0.0457	1	01/18/2024 16:56	WG2208364
1,2,4-Trichlorobenzene	ND		0.457	1	01/18/2024 16:56	WG2208364
4-Chloro-3-methylphenol	ND		0.457	1	01/18/2024 16:56	WG2208364
2-Chlorophenol	ND		0.457	1	01/18/2024 16:56	WG2208364
2,4-Dichlorophenol	ND		0.457	1	01/18/2024 16:56	WG2208364
2,4-Dimethylphenol	ND		0.457	1	01/18/2024 16:56	WG2208364
4,6-Dinitro-2-methylphenol	ND		0.457	1	01/18/2024 16:56	WG2208364
2,4-Dinitrophenol	ND		0.457	1	01/18/2024 16:56	WG2208364
2-Nitrophenol	ND		0.457	1	01/18/2024 16:56	WG2208364
4-Nitrophenol	ND		0.457	1	01/18/2024 16:56	WG2208364
Pentachlorophenol	ND		0.457	1	01/18/2024 16:56	WG2208364
Phenol	ND		0.457	1	01/18/2024 16:56	WG2208364
2,4,6-Trichlorophenol	ND		0.457	1	01/18/2024 16:56	WG2208364
(S) 2-Fluorophenol	60.6		12.0-120		01/18/2024 16:56	WG2208364
(S) Phenol-d5	57.0		10.0-120		01/18/2024 16:56	WG2208364
(S) Nitrobenzene-d5	57.6		10.0-122		01/18/2024 16:56	WG2208364
(S) 2-Fluorobiphenyl	57.0		15.0-120		01/18/2024 16:56	WG2208364
(S) 2,4,6-Tribromophenol	55.9		10.0-127		01/18/2024 16:56	WG2208364
(S) p-Terphenyl-d14	64.5		10.0-120		01/18/2024 16:56	WG2208364

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	68.3		1	01/16/2024 09:09	WG2207407

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.92		1.46	1	01/23/2024 10:34	WG2208095

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0686		0.0586	1	01/18/2024 03:12	WG2206961

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.39	5	01/25/2024 18:26	WG2207192
Arsenic	2.92		1.46	5	01/25/2024 18:26	WG2207192
Barium	116		3.66	5	01/25/2024 18:26	WG2207192
Beryllium	ND		3.66	5	01/25/2024 18:26	WG2207192
Cadmium	ND		1.46	5	01/25/2024 18:26	WG2207192
Chromium	41.2		7.32	5	01/25/2024 18:26	WG2207192
Cobalt	13.9		1.46	5	01/25/2024 18:26	WG2207192
Copper	24.0		7.32	5	01/25/2024 18:26	WG2207192
Lead	20.7		2.93	5	01/25/2024 18:26	WG2207192
Manganese	802		3.66	5	01/25/2024 18:26	WG2207192
Nickel	22.1		3.66	5	01/25/2024 18:26	WG2207192
Selenium	ND		3.66	5	01/25/2024 18:26	WG2207192
Silver	ND		0.732	5	01/25/2024 18:26	WG2207192
Thallium	ND		2.93	5	01/25/2024 18:26	WG2207192
Vanadium	48.5		3.66	5	01/25/2024 18:26	WG2207192
Zinc	45.0		36.6	5	01/25/2024 18:26	WG2207192

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.101	1	01/16/2024 01:44	WG2207575
Acrylonitrile	ND		0.0252	1	01/16/2024 01:44	WG2207575
Benzene	ND		0.00202	1	01/16/2024 01:44	WG2207575
Bromobenzene	ND		0.0252	1	01/16/2024 01:44	WG2207575
Bromodichloromethane	ND		0.00505	1	01/16/2024 01:44	WG2207575
Bromoform	ND		0.0505	1	01/16/2024 01:44	WG2207575
Bromomethane	ND		0.0252	1	01/16/2024 01:44	WG2207575
n-Butylbenzene	ND		0.0252	1	01/16/2024 01:44	WG2207575
sec-Butylbenzene	ND		0.0252	1	01/16/2024 01:44	WG2207575
tert-Butylbenzene	ND		0.0101	1	01/16/2024 01:44	WG2207575
Carbon tetrachloride	ND		0.0101	1	01/16/2024 01:44	WG2207575
Chlorobenzene	ND		0.00505	1	01/16/2024 01:44	WG2207575
Chlorodibromomethane	ND		0.00505	1	01/16/2024 01:44	WG2207575
Chloroethane	ND		0.0101	1	01/16/2024 01:44	WG2207575
Chloroform	ND		0.00505	1	01/16/2024 01:44	WG2207575
Chloromethane	ND		0.0252	1	01/16/2024 01:44	WG2207575
2-Chlorotoluene	ND		0.00505	1	01/16/2024 01:44	WG2207575
4-Chlorotoluene	ND		0.0101	1	01/16/2024 01:44	WG2207575
1,2-Dibromo-3-Chloropropane	ND	C3	0.0505	1	01/16/2024 01:44	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00505	1	01/16/2024 01:44	WG2207575
Dibromomethane	ND		0.0101	1	01/16/2024 01:44	WG2207575
1,2-Dichlorobenzene	ND		0.0101	1	01/16/2024 01:44	WG2207575
1,3-Dichlorobenzene	ND		0.0101	1	01/16/2024 01:44	WG2207575
1,4-Dichlorobenzene	ND		0.0101	1	01/16/2024 01:44	WG2207575
Dichlorodifluoromethane	ND		0.0101	1	01/16/2024 01:44	WG2207575
1,1-Dichloroethane	ND		0.00505	1	01/16/2024 01:44	WG2207575
1,2-Dichloroethane	ND		0.00505	1	01/16/2024 01:44	WG2207575
1,1-Dichloroethene	ND		0.00505	1	01/16/2024 01:44	WG2207575
cis-1,2-Dichloroethene	ND		0.00505	1	01/16/2024 01:44	WG2207575
trans-1,2-Dichloroethene	ND		0.0101	1	01/16/2024 01:44	WG2207575
1,2-Dichloropropane	ND		0.0101	1	01/16/2024 01:44	WG2207575
1,1-Dichloropropene	ND		0.00505	1	01/16/2024 01:44	WG2207575
1,3-Dichloropropane	ND		0.0101	1	01/16/2024 01:44	WG2207575
cis-1,3-Dichloropropene	ND		0.00505	1	01/16/2024 01:44	WG2207575
trans-1,3-Dichloropropene	ND		0.0101	1	01/16/2024 01:44	WG2207575
2,2-Dichloropropane	ND		0.00505	1	01/16/2024 01:44	WG2207575
Di-isopropyl ether	ND		0.00202	1	01/16/2024 01:44	WG2207575
Ethylbenzene	ND		0.00505	1	01/16/2024 01:44	WG2207575
Hexachloro-1,3-butadiene	ND		0.0505	1	01/16/2024 01:44	WG2207575
Isopropylbenzene	ND		0.00505	1	01/16/2024 01:44	WG2207575
p-Isopropyltoluene	ND		0.0101	1	01/16/2024 01:44	WG2207575
2-Butanone (MEK)	ND		0.202	1	01/16/2024 01:44	WG2207575
Methylene Chloride	ND		0.0505	1	01/16/2024 01:44	WG2207575
4-Methyl-2-pentanone (MIBK)	ND		0.0505	1	01/16/2024 01:44	WG2207575
Methyl tert-butyl ether	ND		0.00202	1	01/16/2024 01:44	WG2207575
Naphthalene	ND		0.0252	1	01/16/2024 01:44	WG2207575
n-Propylbenzene	ND		0.0101	1	01/16/2024 01:44	WG2207575
Styrene	ND		0.0252	1	01/16/2024 01:44	WG2207575
1,1,1,2-Tetrachloroethane	ND		0.00505	1	01/16/2024 01:44	WG2207575
1,1,2,2-Tetrachloroethane	ND		0.00505	1	01/16/2024 01:44	WG2207575
Tetrachloroethene	ND		0.00505	1	01/16/2024 01:44	WG2207575
Toluene	ND		0.0101	1	01/16/2024 01:44	WG2207575
1,2,3-Trichlorobenzene	ND		0.0252	1	01/16/2024 01:44	WG2207575
1,2,4-Trichlorobenzene	ND		0.0252	1	01/16/2024 01:44	WG2207575
1,1,1-Trichloroethane	ND		0.00505	1	01/16/2024 01:44	WG2207575
1,1,2-Trichloroethane	ND		0.00505	1	01/16/2024 01:44	WG2207575
Trichloroethene	ND		0.00202	1	01/16/2024 01:44	WG2207575
Trichlorofluoromethane	ND		0.00505	1	01/16/2024 01:44	WG2207575
1,2,3-Trichloropropane	ND		0.0252	1	01/16/2024 01:44	WG2207575
1,2,4-Trimethylbenzene	ND		0.0101	1	01/16/2024 01:44	WG2207575
1,3,5-Trimethylbenzene	ND		0.0101	1	01/16/2024 01:44	WG2207575
Vinyl chloride	ND		0.00505	1	01/16/2024 01:44	WG2207575
Xylenes, Total	ND		0.0131	1	01/16/2024 01:44	WG2207575
(S) Toluene-d8	104		75.0-131		01/16/2024 01:44	WG2207575
(S) 4-Bromofluorobenzene	98.1		67.0-138		01/16/2024 01:44	WG2207575
(S) 1,2-Dichloroethane-d4	91.3		70.0-130		01/16/2024 01:44	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0487	1	01/18/2024 15:15	WG2208364
Acenaphthylene	ND		0.0487	1	01/18/2024 15:15	WG2208364
Anthracene	ND		0.0487	1	01/18/2024 15:15	WG2208364
Benzidine	ND		2.44	1	01/18/2024 15:15	WG2208364
Benzo(a)anthracene	ND		0.0487	1	01/18/2024 15:15	WG2208364

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0487	1	01/18/2024 15:15	WG2208364
Benzo(k)fluoranthene	ND		0.0487	1	01/18/2024 15:15	WG2208364
Benzo(g,h,i)perylene	ND		0.0487	1	01/18/2024 15:15	WG2208364
Benzo(a)pyrene	ND		0.0487	1	01/18/2024 15:15	WG2208364
Bis(2-chloroethoxy)methane	ND		0.487	1	01/18/2024 15:15	WG2208364
Bis(2-chloroethyl)ether	ND		0.487	1	01/18/2024 15:15	WG2208364
2,2-Oxybis(1-Chloropropane)	ND		0.487	1	01/18/2024 15:15	WG2208364
4-Bromophenyl-phenylether	ND		0.487	1	01/18/2024 15:15	WG2208364
2-Chloronaphthalene	ND		0.0487	1	01/18/2024 15:15	WG2208364
4-Chlorophenyl-phenylether	ND		0.487	1	01/18/2024 15:15	WG2208364
Chrysene	ND		0.0487	1	01/18/2024 15:15	WG2208364
Dibenz(a,h)anthracene	ND		0.0487	1	01/18/2024 15:15	WG2208364
3,3-Dichlorobenzidine	ND		0.487	1	01/18/2024 15:15	WG2208364
2,4-Dinitrotoluene	ND		0.487	1	01/18/2024 15:15	WG2208364
2,6-Dinitrotoluene	ND		0.487	1	01/18/2024 15:15	WG2208364
Fluoranthene	ND		0.0487	1	01/18/2024 15:15	WG2208364
Fluorene	ND		0.0487	1	01/18/2024 15:15	WG2208364
Hexachlorobenzene	ND		0.487	1	01/18/2024 15:15	WG2208364
Hexachloro-1,3-butadiene	ND		0.487	1	01/18/2024 15:15	WG2208364
Hexachlorocyclopentadiene	ND		0.487	1	01/18/2024 15:15	WG2208364
Hexachloroethane	ND		0.487	1	01/18/2024 15:15	WG2208364
Indeno(1,2,3-cd)pyrene	ND		0.0487	1	01/18/2024 15:15	WG2208364
Isophorone	ND		0.487	1	01/18/2024 15:15	WG2208364
Naphthalene	ND		0.0487	1	01/18/2024 15:15	WG2208364
Nitrobenzene	ND		0.487	1	01/18/2024 15:15	WG2208364
n-Nitrosodimethylamine	ND		0.487	1	01/18/2024 15:15	WG2208364
n-Nitrosodiphenylamine	ND		0.487	1	01/18/2024 15:15	WG2208364
n-Nitrosodi-n-propylamine	ND		0.487	1	01/18/2024 15:15	WG2208364
Phenanthrene	ND		0.0487	1	01/18/2024 15:15	WG2208364
Benzylbutyl phthalate	ND		0.487	1	01/18/2024 15:15	WG2208364
Bis(2-ethylhexyl)phthalate	ND		0.487	1	01/18/2024 15:15	WG2208364
Di-n-butyl phthalate	ND		0.487	1	01/18/2024 15:15	WG2208364
Diethyl phthalate	ND		0.487	1	01/18/2024 15:15	WG2208364
Dimethyl phthalate	ND		0.487	1	01/18/2024 15:15	WG2208364
Di-n-octyl phthalate	ND		0.487	1	01/18/2024 15:15	WG2208364
Pyrene	ND		0.0487	1	01/18/2024 15:15	WG2208364
1,2,4-Trichlorobenzene	ND		0.487	1	01/18/2024 15:15	WG2208364
4-Chloro-3-methylphenol	ND		0.487	1	01/18/2024 15:15	WG2208364
2-Chlorophenol	ND		0.487	1	01/18/2024 15:15	WG2208364
2,4-Dichlorophenol	ND		0.487	1	01/18/2024 15:15	WG2208364
2,4-Dimethylphenol	ND		0.487	1	01/18/2024 15:15	WG2208364
4,6-Dinitro-2-methylphenol	ND		0.487	1	01/18/2024 15:15	WG2208364
2,4-Dinitrophenol	ND		0.487	1	01/18/2024 15:15	WG2208364
2-Nitrophenol	ND		0.487	1	01/18/2024 15:15	WG2208364
4-Nitrophenol	ND		0.487	1	01/18/2024 15:15	WG2208364
Pentachlorophenol	ND		0.487	1	01/18/2024 15:15	WG2208364
Phenol	ND		0.487	1	01/18/2024 15:15	WG2208364
2,4,6-Trichlorophenol	ND		0.487	1	01/18/2024 15:15	WG2208364
(S) 2-Fluorophenol	55.8		12.0-120		01/18/2024 15:15	WG2208364
(S) Phenol-d5	54.2		10.0-120		01/18/2024 15:15	WG2208364
(S) Nitrobenzene-d5	48.6		10.0-122		01/18/2024 15:15	WG2208364
(S) 2-Fluorobiphenyl	50.2		15.0-120		01/18/2024 15:15	WG2208364
(S) 2,4,6-Tribromophenol	46.2		10.0-127		01/18/2024 15:15	WG2208364
(S) p-Terphenyl-d14	55.1		10.0-120		01/18/2024 15:15	WG2208364

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.3		1	01/16/2024 09:09	WG2207407

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	2.59		1.17	1	01/23/2024 10:53	WG2208095

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0473		0.0469	1	01/18/2024 03:15	WG2206961

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.52	5	01/23/2024 12:23	WG2207363
Arsenic	2.66		1.17	5	01/23/2024 12:23	WG2207363
Barium	54.5		2.93	5	01/23/2024 12:23	WG2207363
Beryllium	ND		2.93	5	01/23/2024 12:23	WG2207363
Cadmium	ND		1.17	5	01/23/2024 12:23	WG2207363
Chromium	29.8		5.86	5	01/23/2024 12:23	WG2207363
Cobalt	9.34		1.17	5	01/23/2024 12:23	WG2207363
Copper	13.9		5.86	5	01/23/2024 12:23	WG2207363
Lead	13.1		2.34	5	01/23/2024 12:23	WG2207363
Manganese	382		2.93	5	01/23/2024 12:23	WG2207363
Nickel	18.3		2.93	5	01/23/2024 12:23	WG2207363
Selenium	ND		2.93	5	01/23/2024 12:23	WG2207363
Silver	ND		0.586	5	01/23/2024 12:23	WG2207363
Thallium	ND		2.34	5	01/23/2024 12:23	WG2207363
Vanadium	31.0		2.93	5	01/23/2024 12:23	WG2207363
Zinc	30.6		29.3	5	01/23/2024 12:23	WG2207363

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0690	1	01/16/2024 02:03	WG2207575
Acrylonitrile	ND		0.0173	1	01/16/2024 02:03	WG2207575
Benzene	ND		0.00138	1	01/16/2024 02:03	WG2207575
Bromobenzene	ND		0.0173	1	01/16/2024 02:03	WG2207575
Bromodichloromethane	ND		0.00345	1	01/16/2024 02:03	WG2207575
Bromoform	ND		0.0345	1	01/16/2024 02:03	WG2207575
Bromomethane	ND		0.0173	1	01/16/2024 02:03	WG2207575
n-Butylbenzene	ND		0.0173	1	01/16/2024 02:03	WG2207575
sec-Butylbenzene	ND		0.0173	1	01/16/2024 02:03	WG2207575
tert-Butylbenzene	ND		0.00690	1	01/16/2024 02:03	WG2207575
Carbon tetrachloride	ND		0.00690	1	01/16/2024 02:03	WG2207575
Chlorobenzene	ND		0.00345	1	01/16/2024 02:03	WG2207575
Chlorodibromomethane	ND		0.00345	1	01/16/2024 02:03	WG2207575
Chloroethane	ND		0.00690	1	01/16/2024 02:03	WG2207575
Chloroform	ND		0.00345	1	01/16/2024 02:03	WG2207575
Chloromethane	ND		0.0173	1	01/16/2024 02:03	WG2207575
2-Chlorotoluene	ND		0.00345	1	01/16/2024 02:03	WG2207575
4-Chlorotoluene	ND		0.00690	1	01/16/2024 02:03	WG2207575
1,2-Dibromo-3-Chloropropane	ND	C3	0.0345	1	01/16/2024 02:03	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00345	1	01/16/2024 02:03	WG2207575
Dibromomethane	ND		0.00690	1	01/16/2024 02:03	WG2207575
1,2-Dichlorobenzene	ND		0.00690	1	01/16/2024 02:03	WG2207575
1,3-Dichlorobenzene	ND		0.00690	1	01/16/2024 02:03	WG2207575
1,4-Dichlorobenzene	ND		0.00690	1	01/16/2024 02:03	WG2207575
Dichlorodifluoromethane	ND		0.00690	1	01/16/2024 02:03	WG2207575
1,1-Dichloroethane	ND		0.00345	1	01/16/2024 02:03	WG2207575
1,2-Dichloroethane	ND		0.00345	1	01/16/2024 02:03	WG2207575
1,1-Dichloroethene	ND		0.00345	1	01/16/2024 02:03	WG2207575
cis-1,2-Dichloroethene	ND		0.00345	1	01/16/2024 02:03	WG2207575
trans-1,2-Dichloroethene	ND		0.00690	1	01/16/2024 02:03	WG2207575
1,2-Dichloropropane	ND		0.00690	1	01/16/2024 02:03	WG2207575
1,1-Dichloropropene	ND		0.00345	1	01/16/2024 02:03	WG2207575
1,3-Dichloropropane	ND		0.00690	1	01/16/2024 02:03	WG2207575
cis-1,3-Dichloropropene	ND		0.00345	1	01/16/2024 02:03	WG2207575
trans-1,3-Dichloropropene	ND		0.00690	1	01/16/2024 02:03	WG2207575
2,2-Dichloropropane	ND		0.00345	1	01/16/2024 02:03	WG2207575
Di-isopropyl ether	ND		0.00138	1	01/16/2024 02:03	WG2207575
Ethylbenzene	ND		0.00345	1	01/16/2024 02:03	WG2207575
Hexachloro-1,3-butadiene	ND		0.0345	1	01/16/2024 02:03	WG2207575
Isopropylbenzene	ND		0.00345	1	01/16/2024 02:03	WG2207575
p-Isopropyltoluene	ND		0.00690	1	01/16/2024 02:03	WG2207575
2-Butanone (MEK)	ND		0.138	1	01/16/2024 02:03	WG2207575
Methylene Chloride	ND		0.0345	1	01/16/2024 02:03	WG2207575
4-Methyl-2-pentanone (MIBK)	ND		0.0345	1	01/16/2024 02:03	WG2207575
Methyl tert-butyl ether	ND		0.00138	1	01/16/2024 02:03	WG2207575
Naphthalene	ND		0.0173	1	01/16/2024 02:03	WG2207575
n-Propylbenzene	ND		0.00690	1	01/16/2024 02:03	WG2207575
Styrene	ND		0.0173	1	01/16/2024 02:03	WG2207575
1,1,1,2-Tetrachloroethane	ND		0.00345	1	01/16/2024 02:03	WG2207575
1,1,2,2-Tetrachloroethane	ND		0.00345	1	01/16/2024 02:03	WG2207575
Tetrachloroethene	ND		0.00345	1	01/16/2024 02:03	WG2207575
Toluene	ND		0.00690	1	01/16/2024 02:03	WG2207575
1,2,3-Trichlorobenzene	ND		0.0173	1	01/16/2024 02:03	WG2207575
1,2,4-Trichlorobenzene	ND		0.0173	1	01/16/2024 02:03	WG2207575
1,1,1-Trichloroethane	ND		0.00345	1	01/16/2024 02:03	WG2207575
1,1,2-Trichloroethane	ND		0.00345	1	01/16/2024 02:03	WG2207575
Trichloroethene	ND		0.00138	1	01/16/2024 02:03	WG2207575
Trichlorofluoromethane	ND		0.00345	1	01/16/2024 02:03	WG2207575
1,2,3-Trichloropropane	ND		0.0173	1	01/16/2024 02:03	WG2207575
1,2,4-Trimethylbenzene	ND		0.00690	1	01/16/2024 02:03	WG2207575
1,3,5-Trimethylbenzene	ND		0.00690	1	01/16/2024 02:03	WG2207575
Vinyl chloride	ND		0.00345	1	01/16/2024 02:03	WG2207575
Xylenes, Total	ND		0.00897	1	01/16/2024 02:03	WG2207575
(S) Toluene-d8	104		75.0-131		01/16/2024 02:03	WG2207575
(S) 4-Bromofluorobenzene	99.2		67.0-138		01/16/2024 02:03	WG2207575
(S) 1,2-Dichloroethane-d4	90.7		70.0-130		01/16/2024 02:03	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0390	1	01/18/2024 16:05	WG2208364
Acenaphthylene	ND		0.0390	1	01/18/2024 16:05	WG2208364
Anthracene	ND		0.0390	1	01/18/2024 16:05	WG2208364
Benzidine	ND		1.96	1	01/18/2024 16:05	WG2208364
Benzo(a)anthracene	ND		0.0390	1	01/18/2024 16:05	WG2208364

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0390	1	01/18/2024 16:05	WG2208364
Benzo(k)fluoranthene	ND		0.0390	1	01/18/2024 16:05	WG2208364
Benzo(g,h,i)perylene	ND		0.0390	1	01/18/2024 16:05	WG2208364
Benzo(a)pyrene	ND		0.0390	1	01/18/2024 16:05	WG2208364
Bis(2-chloroethoxy)methane	ND		0.390	1	01/18/2024 16:05	WG2208364
Bis(2-chloroethyl)ether	ND		0.390	1	01/18/2024 16:05	WG2208364
2,2-Oxybis(1-Chloropropane)	ND		0.390	1	01/18/2024 16:05	WG2208364
4-Bromophenyl-phenylether	ND		0.390	1	01/18/2024 16:05	WG2208364
2-Chloronaphthalene	ND		0.0390	1	01/18/2024 16:05	WG2208364
4-Chlorophenyl-phenylether	ND		0.390	1	01/18/2024 16:05	WG2208364
Chrysene	ND		0.0390	1	01/18/2024 16:05	WG2208364
Dibenz(a,h)anthracene	ND		0.0390	1	01/18/2024 16:05	WG2208364
3,3-Dichlorobenzidine	ND		0.390	1	01/18/2024 16:05	WG2208364
2,4-Dinitrotoluene	ND		0.390	1	01/18/2024 16:05	WG2208364
2,6-Dinitrotoluene	ND		0.390	1	01/18/2024 16:05	WG2208364
Fluoranthene	0.0445		0.0390	1	01/18/2024 16:05	WG2208364
Fluorene	ND		0.0390	1	01/18/2024 16:05	WG2208364
Hexachlorobenzene	ND		0.390	1	01/18/2024 16:05	WG2208364
Hexachloro-1,3-butadiene	ND		0.390	1	01/18/2024 16:05	WG2208364
Hexachlorocyclopentadiene	ND		0.390	1	01/18/2024 16:05	WG2208364
Hexachloroethane	ND		0.390	1	01/18/2024 16:05	WG2208364
Indeno(1,2,3-cd)pyrene	ND		0.0390	1	01/18/2024 16:05	WG2208364
Isophorone	ND		0.390	1	01/18/2024 16:05	WG2208364
Naphthalene	ND		0.0390	1	01/18/2024 16:05	WG2208364
Nitrobenzene	ND		0.390	1	01/18/2024 16:05	WG2208364
n-Nitrosodimethylamine	ND		0.390	1	01/18/2024 16:05	WG2208364
n-Nitrosodiphenylamine	ND		0.390	1	01/18/2024 16:05	WG2208364
n-Nitrosodi-n-propylamine	ND		0.390	1	01/18/2024 16:05	WG2208364
Phenanthrene	ND		0.0390	1	01/18/2024 16:05	WG2208364
Benzylbutyl phthalate	ND		0.390	1	01/18/2024 16:05	WG2208364
Bis(2-ethylhexyl)phthalate	ND		0.390	1	01/18/2024 16:05	WG2208364
Di-n-butyl phthalate	ND		0.390	1	01/18/2024 16:05	WG2208364
Diethyl phthalate	ND		0.390	1	01/18/2024 16:05	WG2208364
Dimethyl phthalate	ND		0.390	1	01/18/2024 16:05	WG2208364
Di-n-octyl phthalate	ND		0.390	1	01/18/2024 16:05	WG2208364
Pyrene	0.0468		0.0390	1	01/18/2024 16:05	WG2208364
1,2,4-Trichlorobenzene	ND		0.390	1	01/18/2024 16:05	WG2208364
4-Chloro-3-methylphenol	ND		0.390	1	01/18/2024 16:05	WG2208364
2-Chlorophenol	ND		0.390	1	01/18/2024 16:05	WG2208364
2,4-Dichlorophenol	ND		0.390	1	01/18/2024 16:05	WG2208364
2,4-Dimethylphenol	ND		0.390	1	01/18/2024 16:05	WG2208364
4,6-Dinitro-2-methylphenol	ND		0.390	1	01/18/2024 16:05	WG2208364
2,4-Dinitrophenol	ND		0.390	1	01/18/2024 16:05	WG2208364
2-Nitrophenol	ND		0.390	1	01/18/2024 16:05	WG2208364
4-Nitrophenol	ND		0.390	1	01/18/2024 16:05	WG2208364
Pentachlorophenol	ND		0.390	1	01/18/2024 16:05	WG2208364
Phenol	ND		0.390	1	01/18/2024 16:05	WG2208364
2,4,6-Trichlorophenol	ND		0.390	1	01/18/2024 16:05	WG2208364
(S) 2-Fluorophenol	65.6		12.0-120		01/18/2024 16:05	WG2208364
(S) Phenol-d5	63.5		10.0-120		01/18/2024 16:05	WG2208364
(S) Nitrobenzene-d5	60.8		10.0-122		01/18/2024 16:05	WG2208364
(S) 2-Fluorobiphenyl	63.1		15.0-120		01/18/2024 16:05	WG2208364
(S) 2,4,6-Tribromophenol	60.8		10.0-127		01/18/2024 16:05	WG2208364
(S) p-Terphenyl-d14	72.3		10.0-120		01/18/2024 16:05	WG2208364

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.4		1	01/16/2024 09:09	WG2207407

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.23	1	01/23/2024 10:59	WG2208095

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0560		0.0492	1	01/18/2024 03:17	WG2206961

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.69	5	01/23/2024 12:26	WG2207363
Arsenic	3.37		1.23	5	01/23/2024 12:26	WG2207363
Barium	62.2		3.07	5	01/23/2024 12:26	WG2207363
Beryllium	ND		3.07	5	01/23/2024 12:26	WG2207363
Cadmium	ND		1.23	5	01/23/2024 12:26	WG2207363
Chromium	30.1		6.14	5	01/23/2024 12:26	WG2207363
Cobalt	10.4		1.23	5	01/23/2024 12:26	WG2207363
Copper	15.2		6.14	5	01/23/2024 12:26	WG2207363
Lead	24.5		2.46	5	01/23/2024 12:26	WG2207363
Manganese	476		3.07	5	01/23/2024 12:26	WG2207363
Nickel	13.4		3.07	5	01/23/2024 12:26	WG2207363
Selenium	ND		3.07	5	01/23/2024 12:26	WG2207363
Silver	ND		0.614	5	01/23/2024 12:26	WG2207363
Thallium	ND		2.46	5	01/23/2024 12:26	WG2207363
Vanadium	32.9		3.07	5	01/23/2024 12:26	WG2207363
Zinc	48.0		30.7	5	01/23/2024 12:26	WG2207363

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0731	1	01/18/2024 12:47	WG2208203
Acrylonitrile	ND		0.0183	1	01/18/2024 12:47	WG2208203
Benzene	0.00176		0.00146	1	01/18/2024 12:47	WG2208203
Bromobenzene	ND		0.0183	1	01/18/2024 12:47	WG2208203
Bromodichloromethane	ND		0.00366	1	01/18/2024 12:47	WG2208203
Bromoform	ND	C3	0.0366	1	01/18/2024 12:47	WG2208203
Bromomethane	ND		0.0183	1	01/18/2024 12:47	WG2208203
n-Butylbenzene	ND		0.0183	1	01/18/2024 12:47	WG2208203
sec-Butylbenzene	ND		0.0183	1	01/18/2024 12:47	WG2208203
tert-Butylbenzene	ND		0.00731	1	01/18/2024 12:47	WG2208203
Carbon tetrachloride	ND		0.00731	1	01/18/2024 12:47	WG2208203
Chlorobenzene	ND		0.00366	1	01/18/2024 12:47	WG2208203
Chlorodibromomethane	ND		0.00366	1	01/18/2024 12:47	WG2208203
Chloroethane	ND		0.00731	1	01/18/2024 12:47	WG2208203
Chloroform	ND		0.00366	1	01/18/2024 12:47	WG2208203
Chloromethane	ND		0.0183	1	01/18/2024 12:47	WG2208203
2-Chlorotoluene	ND		0.00366	1	01/18/2024 12:47	WG2208203
4-Chlorotoluene	ND	J4	0.00731	1	01/18/2024 12:47	WG2208203
1,2-Dibromo-3-Chloropropane	ND		0.0366	1	01/18/2024 12:47	WG2208203

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00366	1	01/18/2024 12:47	WG2208203
Dibromomethane	ND		0.00731	1	01/18/2024 12:47	WG2208203
1,2-Dichlorobenzene	ND		0.00731	1	01/18/2024 12:47	WG2208203
1,3-Dichlorobenzene	ND		0.00731	1	01/18/2024 12:47	WG2208203
1,4-Dichlorobenzene	ND		0.00731	1	01/18/2024 12:47	WG2208203
Dichlorodifluoromethane	ND		0.00731	1	01/18/2024 12:47	WG2208203
1,1-Dichloroethane	ND		0.00366	1	01/18/2024 12:47	WG2208203
1,2-Dichloroethane	ND		0.00366	1	01/18/2024 12:47	WG2208203
1,1-Dichloroethene	ND		0.00366	1	01/18/2024 12:47	WG2208203
cis-1,2-Dichloroethene	ND		0.00366	1	01/18/2024 12:47	WG2208203
trans-1,2-Dichloroethene	ND		0.00731	1	01/18/2024 12:47	WG2208203
1,2-Dichloropropane	ND		0.00731	1	01/18/2024 12:47	WG2208203
1,1-Dichloropropene	ND	J4	0.00366	1	01/18/2024 12:47	WG2208203
1,3-Dichloropropane	ND	J4	0.00731	1	01/18/2024 12:47	WG2208203
cis-1,3-Dichloropropene	ND		0.00366	1	01/18/2024 12:47	WG2208203
trans-1,3-Dichloropropene	ND		0.00731	1	01/18/2024 12:47	WG2208203
2,2-Dichloropropane	ND		0.00366	1	01/18/2024 12:47	WG2208203
Di-isopropyl ether	ND		0.00146	1	01/18/2024 12:47	WG2208203
Ethylbenzene	ND		0.00366	1	01/18/2024 12:47	WG2208203
Hexachloro-1,3-butadiene	ND	C3	0.0366	1	01/18/2024 12:47	WG2208203
Isopropylbenzene	ND		0.00366	1	01/18/2024 12:47	WG2208203
p-Isopropyltoluene	ND		0.00731	1	01/18/2024 12:47	WG2208203
2-Butanone (MEK)	ND		0.146	1	01/18/2024 12:47	WG2208203
Methylene Chloride	ND		0.0366	1	01/18/2024 12:47	WG2208203
4-Methyl-2-pentanone (MIBK)	ND		0.0366	1	01/18/2024 12:47	WG2208203
Methyl tert-butyl ether	ND		0.00146	1	01/18/2024 12:47	WG2208203
Naphthalene	ND		0.0183	1	01/18/2024 12:47	WG2208203
n-Propylbenzene	ND	J4	0.00731	1	01/18/2024 12:47	WG2208203
Styrene	ND		0.0183	1	01/18/2024 12:47	WG2208203
1,1,1,2-Tetrachloroethane	ND		0.00366	1	01/18/2024 12:47	WG2208203
1,1,2,2-Tetrachloroethane	ND		0.00366	1	01/18/2024 12:47	WG2208203
Tetrachloroethene	ND		0.00366	1	01/18/2024 12:47	WG2208203
Toluene	ND		0.00731	1	01/18/2024 12:47	WG2208203
1,2,3-Trichlorobenzene	ND		0.0183	1	01/18/2024 12:47	WG2208203
1,2,4-Trichlorobenzene	ND		0.0183	1	01/18/2024 12:47	WG2208203
1,1,1-Trichloroethane	ND		0.00366	1	01/18/2024 12:47	WG2208203
1,1,2-Trichloroethane	ND		0.00366	1	01/18/2024 12:47	WG2208203
Trichloroethene	ND		0.00146	1	01/18/2024 12:47	WG2208203
Trichlorofluoromethane	ND		0.00366	1	01/18/2024 12:47	WG2208203
1,2,3-Trichloropropane	ND	J4	0.0183	1	01/18/2024 12:47	WG2208203
1,2,4-Trimethylbenzene	ND		0.00731	1	01/18/2024 12:47	WG2208203
1,3,5-Trimethylbenzene	ND		0.00731	1	01/18/2024 12:47	WG2208203
Vinyl chloride	ND		0.00366	1	01/18/2024 12:47	WG2208203
Xylenes, Total	0.0106		0.00951	1	01/18/2024 12:47	WG2208203
(S) Toluene-d8	107		75.0-131		01/18/2024 12:47	WG2208203
(S) 4-Bromofluorobenzene	93.3		67.0-138		01/18/2024 12:47	WG2208203
(S) 1,2-Dichloroethane-d4	114		70.0-130		01/18/2024 12:47	WG2208203

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0409	1	01/18/2024 17:21	WG2208364
Acenaphthylene	ND		0.0409	1	01/18/2024 17:21	WG2208364
Anthracene	ND		0.0409	1	01/18/2024 17:21	WG2208364
Benzidine	ND		2.05	1	01/18/2024 17:21	WG2208364
Benzo(a)anthracene	0.0414		0.0409	1	01/18/2024 17:21	WG2208364

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0626		0.0409	1	01/18/2024 17:21	WG2208364
Benzo(k)fluoranthene	ND		0.0409	1	01/18/2024 17:21	WG2208364
Benzo(g,h,i)perylene	ND		0.0409	1	01/18/2024 17:21	WG2208364
Benzo(a)pyrene	0.0472		0.0409	1	01/18/2024 17:21	WG2208364
Bis(2-chloroethoxy)methane	ND		0.409	1	01/18/2024 17:21	WG2208364
Bis(2-chloroethyl)ether	ND		0.409	1	01/18/2024 17:21	WG2208364
2,2-Oxybis(1-Chloropropane)	ND		0.409	1	01/18/2024 17:21	WG2208364
4-Bromophenyl-phenylether	ND		0.409	1	01/18/2024 17:21	WG2208364
2-Chloronaphthalene	ND		0.0409	1	01/18/2024 17:21	WG2208364
4-Chlorophenyl-phenylether	ND		0.409	1	01/18/2024 17:21	WG2208364
Chrysene	0.0503		0.0409	1	01/18/2024 17:21	WG2208364
Dibenz(a,h)anthracene	ND		0.0409	1	01/18/2024 17:21	WG2208364
3,3-Dichlorobenzidine	ND		0.409	1	01/18/2024 17:21	WG2208364
2,4-Dinitrotoluene	ND		0.409	1	01/18/2024 17:21	WG2208364
2,6-Dinitrotoluene	ND		0.409	1	01/18/2024 17:21	WG2208364
Fluoranthene	0.0945		0.0409	1	01/18/2024 17:21	WG2208364
Fluorene	ND		0.0409	1	01/18/2024 17:21	WG2208364
Hexachlorobenzene	ND		0.409	1	01/18/2024 17:21	WG2208364
Hexachloro-1,3-butadiene	ND		0.409	1	01/18/2024 17:21	WG2208364
Hexachlorocyclopentadiene	ND		0.409	1	01/18/2024 17:21	WG2208364
Hexachloroethane	ND		0.409	1	01/18/2024 17:21	WG2208364
Indeno(1,2,3-cd)pyrene	ND		0.0409	1	01/18/2024 17:21	WG2208364
Isophorone	ND		0.409	1	01/18/2024 17:21	WG2208364
Naphthalene	ND		0.0409	1	01/18/2024 17:21	WG2208364
Nitrobenzene	ND		0.409	1	01/18/2024 17:21	WG2208364
n-Nitrosodimethylamine	ND		0.409	1	01/18/2024 17:21	WG2208364
n-Nitrosodiphenylamine	ND		0.409	1	01/18/2024 17:21	WG2208364
n-Nitrosodi-n-propylamine	ND		0.409	1	01/18/2024 17:21	WG2208364
Phenanthrene	0.0467		0.0409	1	01/18/2024 17:21	WG2208364
Benzylbutyl phthalate	ND		0.409	1	01/18/2024 17:21	WG2208364
Bis(2-ethylhexyl)phthalate	ND		0.409	1	01/18/2024 17:21	WG2208364
Di-n-butyl phthalate	ND		0.409	1	01/18/2024 17:21	WG2208364
Diethyl phthalate	ND		0.409	1	01/18/2024 17:21	WG2208364
Dimethyl phthalate	ND		0.409	1	01/18/2024 17:21	WG2208364
Di-n-octyl phthalate	ND		0.409	1	01/18/2024 17:21	WG2208364
Pyrene	0.0874		0.0409	1	01/18/2024 17:21	WG2208364
1,2,4-Trichlorobenzene	ND		0.409	1	01/18/2024 17:21	WG2208364
4-Chloro-3-methylphenol	ND		0.409	1	01/18/2024 17:21	WG2208364
2-Chlorophenol	ND		0.409	1	01/18/2024 17:21	WG2208364
2,4-Dichlorophenol	ND		0.409	1	01/18/2024 17:21	WG2208364
2,4-Dimethylphenol	ND		0.409	1	01/18/2024 17:21	WG2208364
4,6-Dinitro-2-methylphenol	ND		0.409	1	01/18/2024 17:21	WG2208364
2,4-Dinitrophenol	ND		0.409	1	01/18/2024 17:21	WG2208364
2-Nitrophenol	ND		0.409	1	01/18/2024 17:21	WG2208364
4-Nitrophenol	ND		0.409	1	01/18/2024 17:21	WG2208364
Pentachlorophenol	ND		0.409	1	01/18/2024 17:21	WG2208364
Phenol	ND		0.409	1	01/18/2024 17:21	WG2208364
2,4,6-Trichlorophenol	ND		0.409	1	01/18/2024 17:21	WG2208364
(S) 2-Fluorophenol	47.9		12.0-120		01/18/2024 17:21	WG2208364
(S) Phenol-d5	48.6		10.0-120		01/18/2024 17:21	WG2208364
(S) Nitrobenzene-d5	45.3		10.0-122		01/18/2024 17:21	WG2208364
(S) 2-Fluorobiphenyl	44.0		15.0-120		01/18/2024 17:21	WG2208364
(S) 2,4,6-Tribromophenol	44.5		10.0-127		01/18/2024 17:21	WG2208364
(S) p-Terphenyl-d14	48.1		10.0-120		01/18/2024 17:21	WG2208364

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.3		1	01/16/2024 09:09	WG2207407

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.25	1	01/23/2024 11:11	WG2208095

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0498	1	01/18/2024 10:43	WG2206961

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.74	5	01/23/2024 12:29	WG2207363
Arsenic	2.04		1.25	5	01/23/2024 12:29	WG2207363
Barium	52.2		3.12	5	01/23/2024 12:29	WG2207363
Beryllium	ND		3.12	5	01/23/2024 12:29	WG2207363
Cadmium	ND		1.25	5	01/23/2024 12:29	WG2207363
Chromium	49.1		6.23	5	01/23/2024 12:29	WG2207363
Cobalt	11.1		1.25	5	01/23/2024 12:29	WG2207363
Copper	13.8		6.23	5	01/23/2024 12:29	WG2207363
Lead	16.1		2.49	5	01/23/2024 12:29	WG2207363
Manganese	421		3.12	5	01/23/2024 12:29	WG2207363
Nickel	14.8		3.12	5	01/23/2024 12:29	WG2207363
Selenium	ND		3.12	5	01/23/2024 12:29	WG2207363
Silver	ND		0.623	5	01/23/2024 12:29	WG2207363
Thallium	ND		2.49	5	01/23/2024 12:29	WG2207363
Vanadium	34.0		3.12	5	01/23/2024 12:29	WG2207363
Zinc	38.8		31.2	5	01/23/2024 12:29	WG2207363

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	0.0905	C3	0.0796	1.08	01/18/2024 13:07	WG2208203
Acrylonitrile	ND		0.0199	1.08	01/18/2024 13:07	WG2208203
Benzene	ND		0.00159	1.08	01/18/2024 13:07	WG2208203
Bromobenzene	ND		0.0199	1.08	01/18/2024 13:07	WG2208203
Bromodichloromethane	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
Bromoform	ND	C3	0.0398	1.08	01/18/2024 13:07	WG2208203
Bromomethane	ND		0.0199	1.08	01/18/2024 13:07	WG2208203
n-Butylbenzene	ND		0.0199	1.08	01/18/2024 13:07	WG2208203
sec-Butylbenzene	ND		0.0199	1.08	01/18/2024 13:07	WG2208203
tert-Butylbenzene	ND		0.00796	1.08	01/18/2024 13:07	WG2208203
Carbon tetrachloride	ND		0.00796	1.08	01/18/2024 13:07	WG2208203
Chlorobenzene	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
Chlorodibromomethane	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
Chloroethane	ND		0.00796	1.08	01/18/2024 13:07	WG2208203
Chloroform	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
Chloromethane	ND		0.0199	1.08	01/18/2024 13:07	WG2208203
2-Chlorotoluene	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
4-Chlorotoluene	ND	J4	0.00796	1.08	01/18/2024 13:07	WG2208203
1,2-Dibromo-3-Chloropropane	ND		0.0398	1.08	01/18/2024 13:07	WG2208203

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
Dibromomethane	ND		0.00796	1.08	01/18/2024 13:07	WG2208203
1,2-Dichlorobenzene	ND		0.00796	1.08	01/18/2024 13:07	WG2208203
1,3-Dichlorobenzene	ND		0.00796	1.08	01/18/2024 13:07	WG2208203
1,4-Dichlorobenzene	ND		0.00796	1.08	01/18/2024 13:07	WG2208203
Dichlorodifluoromethane	ND		0.00796	1.08	01/18/2024 13:07	WG2208203
1,1-Dichloroethane	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
1,2-Dichloroethane	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
1,1-Dichloroethene	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
cis-1,2-Dichloroethene	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
trans-1,2-Dichloroethene	ND		0.00796	1.08	01/18/2024 13:07	WG2208203
1,2-Dichloropropane	ND		0.00796	1.08	01/18/2024 13:07	WG2208203
1,1-Dichloropropene	ND	J4	0.00398	1.08	01/18/2024 13:07	WG2208203
1,3-Dichloropropane	ND	J4	0.00796	1.08	01/18/2024 13:07	WG2208203
cis-1,3-Dichloropropene	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
trans-1,3-Dichloropropene	ND		0.00796	1.08	01/18/2024 13:07	WG2208203
2,2-Dichloropropane	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
Di-isopropyl ether	ND		0.00159	1.08	01/18/2024 13:07	WG2208203
Ethylbenzene	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
Hexachloro-1,3-butadiene	ND	C3	0.0398	1.08	01/18/2024 13:07	WG2208203
Isopropylbenzene	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
p-Isopropyltoluene	0.0149		0.00796	1.08	01/18/2024 13:07	WG2208203
2-Butanone (MEK)	ND		0.159	1.08	01/18/2024 13:07	WG2208203
Methylene Chloride	ND		0.0398	1.08	01/18/2024 13:07	WG2208203
4-Methyl-2-pentanone (MIBK)	ND		0.0398	1.08	01/18/2024 13:07	WG2208203
Methyl tert-butyl ether	ND		0.00159	1.08	01/18/2024 13:07	WG2208203
Naphthalene	ND		0.0199	1.08	01/18/2024 13:07	WG2208203
n-Propylbenzene	ND	J4	0.00796	1.08	01/18/2024 13:07	WG2208203
Styrene	ND		0.0199	1.08	01/18/2024 13:07	WG2208203
1,1,1,2-Tetrachloroethane	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
1,1,2,2-Tetrachloroethane	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
Tetrachloroethene	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
Toluene	ND		0.00796	1.08	01/18/2024 13:07	WG2208203
1,2,3-Trichlorobenzene	ND		0.0199	1.08	01/18/2024 13:07	WG2208203
1,2,4-Trichlorobenzene	ND		0.0199	1.08	01/18/2024 13:07	WG2208203
1,1,1-Trichloroethane	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
1,1,2-Trichloroethane	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
Trichloroethene	ND		0.00159	1.08	01/18/2024 13:07	WG2208203
Trichlorofluoromethane	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
1,2,3-Trichloropropane	ND	J4	0.0199	1.08	01/18/2024 13:07	WG2208203
1,2,4-Trimethylbenzene	ND		0.00796	1.08	01/18/2024 13:07	WG2208203
1,3,5-Trimethylbenzene	ND		0.00796	1.08	01/18/2024 13:07	WG2208203
Vinyl chloride	ND		0.00398	1.08	01/18/2024 13:07	WG2208203
Xylenes, Total	ND		0.0103	1.08	01/18/2024 13:07	WG2208203
(S) Toluene-d8	107		75.0-131		01/18/2024 13:07	WG2208203
(S) 4-Bromofluorobenzene	95.4		67.0-138		01/18/2024 13:07	WG2208203
(S) 1,2-Dichloroethane-d4	112		70.0-130		01/18/2024 13:07	WG2208203

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0415	1	01/18/2024 17:46	WG2208364
Acenaphthylene	ND		0.0415	1	01/18/2024 17:46	WG2208364
Anthracene	ND		0.0415	1	01/18/2024 17:46	WG2208364
Benzidine	ND		2.08	1	01/18/2024 17:46	WG2208364
Benzo(a)anthracene	ND		0.0415	1	01/18/2024 17:46	WG2208364

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0720		0.0415	1	01/18/2024 17:46	WG2208364
Benzo(k)fluoranthene	ND		0.0415	1	01/18/2024 17:46	WG2208364
Benzo(g,h,i)perylene	0.0416		0.0415	1	01/18/2024 17:46	WG2208364
Benzo(a)pyrene	0.0449		0.0415	1	01/18/2024 17:46	WG2208364
Bis(2-chloroethoxy)methane	ND		0.415	1	01/18/2024 17:46	WG2208364
Bis(2-chloroethyl)ether	ND		0.415	1	01/18/2024 17:46	WG2208364
2,2-Oxybis(1-Chloropropane)	ND		0.415	1	01/18/2024 17:46	WG2208364
4-Bromophenyl-phenylether	ND		0.415	1	01/18/2024 17:46	WG2208364
2-Chloronaphthalene	ND		0.0415	1	01/18/2024 17:46	WG2208364
4-Chlorophenyl-phenylether	ND		0.415	1	01/18/2024 17:46	WG2208364
Chrysene	0.0444		0.0415	1	01/18/2024 17:46	WG2208364
Dibenz(a,h)anthracene	ND		0.0415	1	01/18/2024 17:46	WG2208364
3,3-Dichlorobenzidine	ND		0.415	1	01/18/2024 17:46	WG2208364
2,4-Dinitrotoluene	ND		0.415	1	01/18/2024 17:46	WG2208364
2,6-Dinitrotoluene	ND		0.415	1	01/18/2024 17:46	WG2208364
Fluoranthene	0.0761		0.0415	1	01/18/2024 17:46	WG2208364
Fluorene	ND		0.0415	1	01/18/2024 17:46	WG2208364
Hexachlorobenzene	ND		0.415	1	01/18/2024 17:46	WG2208364
Hexachloro-1,3-butadiene	ND		0.415	1	01/18/2024 17:46	WG2208364
Hexachlorocyclopentadiene	ND		0.415	1	01/18/2024 17:46	WG2208364
Hexachloroethane	ND		0.415	1	01/18/2024 17:46	WG2208364
Indeno(1,2,3-cd)pyrene	ND		0.0415	1	01/18/2024 17:46	WG2208364
Isophorone	ND		0.415	1	01/18/2024 17:46	WG2208364
Naphthalene	ND		0.0415	1	01/18/2024 17:46	WG2208364
Nitrobenzene	ND		0.415	1	01/18/2024 17:46	WG2208364
n-Nitrosodimethylamine	ND		0.415	1	01/18/2024 17:46	WG2208364
n-Nitrosodiphenylamine	ND		0.415	1	01/18/2024 17:46	WG2208364
n-Nitrosodi-n-propylamine	ND		0.415	1	01/18/2024 17:46	WG2208364
Phenanthrene	ND		0.0415	1	01/18/2024 17:46	WG2208364
Benzylbutyl phthalate	ND		0.415	1	01/18/2024 17:46	WG2208364
Bis(2-ethylhexyl)phthalate	ND		0.415	1	01/18/2024 17:46	WG2208364
Di-n-butyl phthalate	ND		0.415	1	01/18/2024 17:46	WG2208364
Diethyl phthalate	ND		0.415	1	01/18/2024 17:46	WG2208364
Dimethyl phthalate	ND		0.415	1	01/18/2024 17:46	WG2208364
Di-n-octyl phthalate	ND		0.415	1	01/18/2024 17:46	WG2208364
Pyrene	0.0756		0.0415	1	01/18/2024 17:46	WG2208364
1,2,4-Trichlorobenzene	ND		0.415	1	01/18/2024 17:46	WG2208364
4-Chloro-3-methylphenol	ND		0.415	1	01/18/2024 17:46	WG2208364
2-Chlorophenol	ND		0.415	1	01/18/2024 17:46	WG2208364
2,4-Dichlorophenol	ND		0.415	1	01/18/2024 17:46	WG2208364
2,4-Dimethylphenol	ND		0.415	1	01/18/2024 17:46	WG2208364
4,6-Dinitro-2-methylphenol	ND		0.415	1	01/18/2024 17:46	WG2208364
2,4-Dinitrophenol	ND		0.415	1	01/18/2024 17:46	WG2208364
2-Nitrophenol	ND		0.415	1	01/18/2024 17:46	WG2208364
4-Nitrophenol	ND		0.415	1	01/18/2024 17:46	WG2208364
Pentachlorophenol	ND		0.415	1	01/18/2024 17:46	WG2208364
Phenol	ND		0.415	1	01/18/2024 17:46	WG2208364
2,4,6-Trichlorophenol	ND		0.415	1	01/18/2024 17:46	WG2208364
(S) 2-Fluorophenol	55.9		12.0-120		01/18/2024 17:46	WG2208364
(S) Phenol-d5	55.9		10.0-120		01/18/2024 17:46	WG2208364
(S) Nitrobenzene-d5	57.4		10.0-122		01/18/2024 17:46	WG2208364
(S) 2-Fluorobiphenyl	53.7		15.0-120		01/18/2024 17:46	WG2208364
(S) 2,4,6-Tribromophenol	49.5		10.0-127		01/18/2024 17:46	WG2208364
(S) p-Terphenyl-d14	57.7		10.0-120		01/18/2024 17:46	WG2208364

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.0		1	01/16/2024 09:09	WG2207407

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.32	1	01/23/2024 11:18	WG2208095

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0575		0.0526	1	01/18/2024 10:45	WG2206961

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.95	5	01/23/2024 12:33	WG2207363
Arsenic	2.68		1.32	5	01/23/2024 12:33	WG2207363
Barium	141		3.29	5	01/23/2024 12:33	WG2207363
Beryllium	ND		3.29	5	01/23/2024 12:33	WG2207363
Cadmium	ND		1.32	5	01/23/2024 12:33	WG2207363
Chromium	23.9		6.58	5	01/23/2024 12:33	WG2207363
Cobalt	10.8		1.32	5	01/23/2024 12:33	WG2207363
Copper	17.6		6.58	5	01/23/2024 12:33	WG2207363
Lead	30.7		2.63	5	01/23/2024 12:33	WG2207363
Manganese	736		3.29	5	01/23/2024 12:33	WG2207363
Nickel	16.7		3.29	5	01/23/2024 12:33	WG2207363
Selenium	ND		3.29	5	01/23/2024 12:33	WG2207363
Silver	ND		0.658	5	01/23/2024 12:33	WG2207363
Thallium	ND		2.63	5	01/23/2024 12:33	WG2207363
Vanadium	35.5		3.29	5	01/23/2024 12:33	WG2207363
Zinc	52.6		32.9	5	01/23/2024 12:33	WG2207363

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0828	1	01/16/2024 02:22	WG2207575
Acrylonitrile	ND		0.0207	1	01/16/2024 02:22	WG2207575
Benzene	ND		0.00166	1	01/16/2024 02:22	WG2207575
Bromobenzene	ND		0.0207	1	01/16/2024 02:22	WG2207575
Bromodichloromethane	ND		0.00414	1	01/16/2024 02:22	WG2207575
Bromoform	ND		0.0414	1	01/16/2024 02:22	WG2207575
Bromomethane	ND		0.0207	1	01/16/2024 02:22	WG2207575
n-Butylbenzene	ND		0.0207	1	01/16/2024 02:22	WG2207575
sec-Butylbenzene	ND		0.0207	1	01/16/2024 02:22	WG2207575
tert-Butylbenzene	ND		0.00828	1	01/16/2024 02:22	WG2207575
Carbon tetrachloride	ND		0.00828	1	01/16/2024 02:22	WG2207575
Chlorobenzene	ND		0.00414	1	01/16/2024 02:22	WG2207575
Chlorodibromomethane	ND		0.00414	1	01/16/2024 02:22	WG2207575
Chloroethane	ND		0.00828	1	01/16/2024 02:22	WG2207575
Chloroform	ND		0.00414	1	01/16/2024 02:22	WG2207575
Chloromethane	ND		0.0207	1	01/16/2024 02:22	WG2207575
2-Chlorotoluene	ND		0.00414	1	01/16/2024 02:22	WG2207575
4-Chlorotoluene	ND		0.00828	1	01/16/2024 02:22	WG2207575
1,2-Dibromo-3-Chloropropane	ND	C3	0.0414	1	01/16/2024 02:22	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00414	1	01/16/2024 02:22	WG2207575
Dibromomethane	ND		0.00828	1	01/16/2024 02:22	WG2207575
1,2-Dichlorobenzene	ND		0.00828	1	01/16/2024 02:22	WG2207575
1,3-Dichlorobenzene	ND		0.00828	1	01/16/2024 02:22	WG2207575
1,4-Dichlorobenzene	ND		0.00828	1	01/16/2024 02:22	WG2207575
Dichlorodifluoromethane	ND		0.00828	1	01/16/2024 02:22	WG2207575
1,1-Dichloroethane	ND		0.00414	1	01/16/2024 02:22	WG2207575
1,2-Dichloroethane	ND		0.00414	1	01/16/2024 02:22	WG2207575
1,1-Dichloroethene	ND		0.00414	1	01/16/2024 02:22	WG2207575
cis-1,2-Dichloroethene	ND		0.00414	1	01/16/2024 02:22	WG2207575
trans-1,2-Dichloroethene	ND		0.00828	1	01/16/2024 02:22	WG2207575
1,2-Dichloropropane	ND		0.00828	1	01/16/2024 02:22	WG2207575
1,1-Dichloropropene	ND		0.00414	1	01/16/2024 02:22	WG2207575
1,3-Dichloropropane	ND		0.00828	1	01/16/2024 02:22	WG2207575
cis-1,3-Dichloropropene	ND		0.00414	1	01/16/2024 02:22	WG2207575
trans-1,3-Dichloropropene	ND		0.00828	1	01/16/2024 02:22	WG2207575
2,2-Dichloropropane	ND		0.00414	1	01/16/2024 02:22	WG2207575
Di-isopropyl ether	ND		0.00166	1	01/16/2024 02:22	WG2207575
Ethylbenzene	ND		0.00414	1	01/16/2024 02:22	WG2207575
Hexachloro-1,3-butadiene	ND		0.0414	1	01/16/2024 02:22	WG2207575
Isopropylbenzene	ND		0.00414	1	01/16/2024 02:22	WG2207575
p-Isopropyltoluene	ND		0.00828	1	01/16/2024 02:22	WG2207575
2-Butanone (MEK)	ND		0.166	1	01/16/2024 02:22	WG2207575
Methylene Chloride	ND		0.0414	1	01/16/2024 02:22	WG2207575
4-Methyl-2-pentanone (MIBK)	ND		0.0414	1	01/16/2024 02:22	WG2207575
Methyl tert-butyl ether	ND		0.00166	1	01/16/2024 02:22	WG2207575
Naphthalene	ND		0.0207	1	01/16/2024 02:22	WG2207575
n-Propylbenzene	ND		0.00828	1	01/16/2024 02:22	WG2207575
Styrene	ND		0.0207	1	01/16/2024 02:22	WG2207575
1,1,1,2-Tetrachloroethane	ND		0.00414	1	01/16/2024 02:22	WG2207575
1,1,2,2-Tetrachloroethane	ND		0.00414	1	01/16/2024 02:22	WG2207575
Tetrachloroethene	ND		0.00414	1	01/16/2024 02:22	WG2207575
Toluene	ND		0.00828	1	01/16/2024 02:22	WG2207575
1,2,3-Trichlorobenzene	ND		0.0207	1	01/16/2024 02:22	WG2207575
1,2,4-Trichlorobenzene	ND		0.0207	1	01/16/2024 02:22	WG2207575
1,1,1-Trichloroethane	ND		0.00414	1	01/16/2024 02:22	WG2207575
1,1,2-Trichloroethane	ND		0.00414	1	01/16/2024 02:22	WG2207575
Trichloroethene	ND		0.00166	1	01/16/2024 02:22	WG2207575
Trichlorofluoromethane	ND		0.00414	1	01/16/2024 02:22	WG2207575
1,2,3-Trichloropropane	ND		0.0207	1	01/16/2024 02:22	WG2207575
1,2,4-Trimethylbenzene	ND		0.00828	1	01/16/2024 02:22	WG2207575
1,3,5-Trimethylbenzene	ND		0.00828	1	01/16/2024 02:22	WG2207575
Vinyl chloride	ND		0.00414	1	01/16/2024 02:22	WG2207575
Xylenes, Total	ND		0.0108	1	01/16/2024 02:22	WG2207575
(S) Toluene-d8	101		75.0-131		01/16/2024 02:22	WG2207575
(S) 4-Bromofluorobenzene	100		67.0-138		01/16/2024 02:22	WG2207575
(S) 1,2-Dichloroethane-d4	86.1		70.0-130		01/16/2024 02:22	WG2207575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0438	1	01/18/2024 20:16	WG2208364
Acenaphthylene	ND		0.0438	1	01/18/2024 20:16	WG2208364
Anthracene	ND		0.0438	1	01/18/2024 20:16	WG2208364
Benzidine	ND		2.20	1	01/18/2024 20:16	WG2208364
Benzo(a)anthracene	ND		0.0438	1	01/18/2024 20:16	WG2208364

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0438	1	01/18/2024 20:16	WG2208364
Benzo(k)fluoranthene	ND		0.0438	1	01/18/2024 20:16	WG2208364
Benzo(g,h,i)perylene	ND		0.0438	1	01/18/2024 20:16	WG2208364
Benzo(a)pyrene	ND		0.0438	1	01/18/2024 20:16	WG2208364
Bis(2-chloroethoxy)methane	ND		0.438	1	01/18/2024 20:16	WG2208364
Bis(2-chloroethyl)ether	ND		0.438	1	01/18/2024 20:16	WG2208364
2,2-Oxybis(1-Chloropropane)	ND		0.438	1	01/18/2024 20:16	WG2208364
4-Bromophenyl-phenylether	ND		0.438	1	01/18/2024 20:16	WG2208364
2-Chloronaphthalene	ND		0.0438	1	01/18/2024 20:16	WG2208364
4-Chlorophenyl-phenylether	ND		0.438	1	01/18/2024 20:16	WG2208364
Chrysene	ND		0.0438	1	01/18/2024 20:16	WG2208364
Dibenz(a,h)anthracene	ND		0.0438	1	01/18/2024 20:16	WG2208364
3,3-Dichlorobenzidine	ND		0.438	1	01/18/2024 20:16	WG2208364
2,4-Dinitrotoluene	ND		0.438	1	01/18/2024 20:16	WG2208364
2,6-Dinitrotoluene	ND		0.438	1	01/18/2024 20:16	WG2208364
Fluoranthene	ND		0.0438	1	01/18/2024 20:16	WG2208364
Fluorene	ND		0.0438	1	01/18/2024 20:16	WG2208364
Hexachlorobenzene	ND		0.438	1	01/18/2024 20:16	WG2208364
Hexachloro-1,3-butadiene	ND		0.438	1	01/18/2024 20:16	WG2208364
Hexachlorocyclopentadiene	ND		0.438	1	01/18/2024 20:16	WG2208364
Hexachloroethane	ND		0.438	1	01/18/2024 20:16	WG2208364
Indeno(1,2,3-cd)pyrene	ND		0.0438	1	01/18/2024 20:16	WG2208364
Isophorone	ND		0.438	1	01/18/2024 20:16	WG2208364
Naphthalene	ND		0.0438	1	01/18/2024 20:16	WG2208364
Nitrobenzene	ND		0.438	1	01/18/2024 20:16	WG2208364
n-Nitrosodimethylamine	ND		0.438	1	01/18/2024 20:16	WG2208364
n-Nitrosodiphenylamine	ND		0.438	1	01/18/2024 20:16	WG2208364
n-Nitrosodi-n-propylamine	ND		0.438	1	01/18/2024 20:16	WG2208364
Phenanthrene	ND		0.0438	1	01/18/2024 20:16	WG2208364
Benzylbutyl phthalate	ND		0.438	1	01/18/2024 20:16	WG2208364
Bis(2-ethylhexyl)phthalate	ND		0.438	1	01/18/2024 20:16	WG2208364
Di-n-butyl phthalate	ND		0.438	1	01/18/2024 20:16	WG2208364
Diethyl phthalate	ND		0.438	1	01/18/2024 20:16	WG2208364
Dimethyl phthalate	ND		0.438	1	01/18/2024 20:16	WG2208364
Di-n-octyl phthalate	ND		0.438	1	01/18/2024 20:16	WG2208364
Pyrene	ND		0.0438	1	01/18/2024 20:16	WG2208364
1,2,4-Trichlorobenzene	ND		0.438	1	01/18/2024 20:16	WG2208364
4-Chloro-3-methylphenol	ND		0.438	1	01/18/2024 20:16	WG2208364
2-Chlorophenol	ND		0.438	1	01/18/2024 20:16	WG2208364
2,4-Dichlorophenol	ND		0.438	1	01/18/2024 20:16	WG2208364
2,4-Dimethylphenol	ND		0.438	1	01/18/2024 20:16	WG2208364
4,6-Dinitro-2-methylphenol	ND		0.438	1	01/18/2024 20:16	WG2208364
2,4-Dinitrophenol	ND		0.438	1	01/18/2024 20:16	WG2208364
2-Nitrophenol	ND		0.438	1	01/18/2024 20:16	WG2208364
4-Nitrophenol	ND		0.438	1	01/18/2024 20:16	WG2208364
Pentachlorophenol	ND		0.438	1	01/18/2024 20:16	WG2208364
Phenol	ND		0.438	1	01/18/2024 20:16	WG2208364
2,4,6-Trichlorophenol	ND		0.438	1	01/18/2024 20:16	WG2208364
(S) 2-Fluorophenol	50.5		12.0-120		01/18/2024 20:16	WG2208364
(S) Phenol-d5	48.6		10.0-120		01/18/2024 20:16	WG2208364
(S) Nitrobenzene-d5	47.4		10.0-122		01/18/2024 20:16	WG2208364
(S) 2-Fluorobiphenyl	49.5		15.0-120		01/18/2024 20:16	WG2208364
(S) 2,4,6-Tribromophenol	47.6		10.0-127		01/18/2024 20:16	WG2208364
(S) p-Terphenyl-d14	78.0		10.0-120		01/18/2024 20:16	WG2208364

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	01/14/2024 21:47	WG2207322
Acrolein	ND		50.0	1	01/14/2024 21:47	WG2207322
Acrylonitrile	ND		10.0	1	01/14/2024 21:47	WG2207322
Benzene	ND	J4	1.00	1	01/14/2024 21:47	WG2207322
Bromobenzene	ND		1.00	1	01/14/2024 21:47	WG2207322
Bromodichloromethane	ND	J4	1.00	1	01/14/2024 21:47	WG2207322
Bromoform	ND		1.00	1	01/14/2024 21:47	WG2207322
Bromomethane	ND		5.00	1	01/14/2024 21:47	WG2207322
n-Butylbenzene	ND		1.00	1	01/14/2024 21:47	WG2207322
sec-Butylbenzene	ND		1.00	1	01/14/2024 21:47	WG2207322
tert-Butylbenzene	ND		1.00	1	01/14/2024 21:47	WG2207322
Carbon tetrachloride	ND		1.00	1	01/14/2024 21:47	WG2207322
Chlorobenzene	ND		1.00	1	01/14/2024 21:47	WG2207322
Chlorodibromomethane	ND		1.00	1	01/14/2024 21:47	WG2207322
Chloroethane	ND		5.00	1	01/14/2024 21:47	WG2207322
Chloroform	ND		5.00	1	01/14/2024 21:47	WG2207322
Chloromethane	ND		2.50	1	01/14/2024 21:47	WG2207322
2-Chlorotoluene	ND		1.00	1	01/14/2024 21:47	WG2207322
4-Chlorotoluene	ND		1.00	1	01/14/2024 21:47	WG2207322
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/14/2024 21:47	WG2207322
1,2-Dibromoethane	ND		1.00	1	01/14/2024 21:47	WG2207322
Dibromomethane	ND		1.00	1	01/14/2024 21:47	WG2207322
1,2-Dichlorobenzene	ND		1.00	1	01/14/2024 21:47	WG2207322
1,3-Dichlorobenzene	ND		1.00	1	01/14/2024 21:47	WG2207322
1,4-Dichlorobenzene	ND		1.00	1	01/14/2024 21:47	WG2207322
Dichlorodifluoromethane	ND		5.00	1	01/14/2024 21:47	WG2207322
1,1-Dichloroethane	ND		1.00	1	01/14/2024 21:47	WG2207322
1,2-Dichloroethane	ND		1.00	1	01/14/2024 21:47	WG2207322
1,1-Dichloroethene	ND		1.00	1	01/14/2024 21:47	WG2207322
cis-1,2-Dichloroethene	ND		1.00	1	01/14/2024 21:47	WG2207322
trans-1,2-Dichloroethene	ND		1.00	1	01/14/2024 21:47	WG2207322
1,2-Dichloropropane	ND		1.00	1	01/14/2024 21:47	WG2207322
1,1-Dichloropropene	ND		1.00	1	01/14/2024 21:47	WG2207322
1,3-Dichloropropane	ND		1.00	1	01/14/2024 21:47	WG2207322
cis-1,3-Dichloropropene	ND		1.00	1	01/14/2024 21:47	WG2207322
trans-1,3-Dichloropropene	ND		1.00	1	01/14/2024 21:47	WG2207322
2,2-Dichloropropane	ND		1.00	1	01/14/2024 21:47	WG2207322
Di-isopropyl ether	ND		1.00	1	01/14/2024 21:47	WG2207322
Ethylbenzene	ND		1.00	1	01/14/2024 21:47	WG2207322
Hexachloro-1,3-butadiene	ND		1.00	1	01/14/2024 21:47	WG2207322
Isopropylbenzene	ND		1.00	1	01/14/2024 21:47	WG2207322
p-Isopropyltoluene	ND		1.00	1	01/14/2024 21:47	WG2207322
2-Butanone (MEK)	ND		10.0	1	01/14/2024 21:47	WG2207322
Methylene Chloride	ND	J4	5.00	1	01/14/2024 21:47	WG2207322
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/14/2024 21:47	WG2207322
Methyl tert-butyl ether	ND		1.00	1	01/14/2024 21:47	WG2207322
Naphthalene	ND		5.00	1	01/14/2024 21:47	WG2207322
n-Propylbenzene	ND		1.00	1	01/14/2024 21:47	WG2207322
Styrene	ND		1.00	1	01/14/2024 21:47	WG2207322
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/14/2024 21:47	WG2207322
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/14/2024 21:47	WG2207322
Tetrachloroethene	ND		1.00	1	01/14/2024 21:47	WG2207322
Toluene	ND		1.00	1	01/14/2024 21:47	WG2207322
1,2,3-Trichlorobenzene	ND		1.00	1	01/14/2024 21:47	WG2207322
1,2,4-Trichlorobenzene	ND		1.00	1	01/14/2024 21:47	WG2207322
1,1,1-Trichloroethane	ND		1.00	1	01/14/2024 21:47	WG2207322

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	01/14/2024 21:47	WG2207322
Trichloroethene	ND		1.00	1	01/14/2024 21:47	WG2207322
Trichlorofluoromethane	ND		5.00	1	01/14/2024 21:47	WG2207322
1,2,3-Trichloropropane	ND		2.50	1	01/14/2024 21:47	WG2207322
1,2,4-Trimethylbenzene	ND		1.00	1	01/14/2024 21:47	WG2207322
1,3,5-Trimethylbenzene	ND		1.00	1	01/14/2024 21:47	WG2207322
Vinyl chloride	ND		1.00	1	01/14/2024 21:47	WG2207322
Xylenes, Total	ND		3.00	1	01/14/2024 21:47	WG2207322
(S) Toluene-d8	84.3		80.0-120		01/14/2024 21:47	WG2207322
(S) 4-Bromofluorobenzene	80.7		77.0-126		01/14/2024 21:47	WG2207322
(S) 1,2-Dichloroethane-d4	84.9		70.0-130		01/14/2024 21:47	WG2207322

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

Method Blank (MB)

(MB) R4023416-1 01/16/24 08:09

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00200			

¹Cp

²Tc

³Ss

L1696142-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1696142-08 01/16/24 08:09 • (DUP) R4023416-3 01/16/24 08:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	72.9	72.2	1	1.08		10

⁴Cn

⁵Sr

Laboratory Control Sample (LCS)

(LCS) R4023416-2 01/16/24 08:09

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	99.9	90.0-110	

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023453-1 01/16/24 09:09

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

1 Cp

2 Tc

3 Ss

L1696158-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1696158-11 01/16/24 09:09 • (DUP) R4023453-3 01/16/24 09:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	76.0	75.1	1	1.16		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4023453-2 01/16/24 09:09

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024970-1 01/22/24 09:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

¹Cp

²Tc

³Ss

L1696041-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1696041-03 01/22/24 09:51 • (DUP) R4024970-3 01/22/24 09:57

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

⁴Cn

⁵Sr

L1696142-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1696142-03 01/22/24 11:36 • (DUP) R4024970-8 01/22/24 11:42

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

⁶Qc

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4024970-2 01/22/24 09:45

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.5	105	80.0-120	

⁹Sc

L1696041-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696041-04 01/22/24 10:03 • (MS) R4024970-4 01/22/24 10:10 • (MSD) R4024970-5 01/22/24 10:16

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	20.0	ND	20.5	24.4	103	122	1	75.0-125			17.3	20

L1696041-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1696041-04 01/22/24 10:03 • (MS) R4024970-6 01/22/24 10:22

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	641	ND	608	94.9	50	75.0-125	

Method Blank (MB)

(MB) R4025385-1 01/23/24 09:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1696158-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1696158-09 01/23/24 10:59 • (DUP) R4025385-4 01/23/24 11:05

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.801		20

L1696378-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1696378-03 01/23/24 13:03 • (DUP) R4025385-9 01/23/24 13:21

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4025385-2 01/23/24 09:45

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.7	107	80.0-120	

L1696378-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696378-01 01/23/24 12:26 • (MS) R4025385-5 01/23/24 12:32 • (MSD) R4025385-6 01/23/24 12:38

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	20.0	ND	20.2	19.1	101	95.7	1	75.0-125			5.47	20

L1696378-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1696378-01 01/23/24 12:26 • (MS) R4025385-7 01/23/24 12:44

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	633	ND	613	96.8	50	75.0-125	

Method Blank (MB)

(MB) R4023781-1 01/18/24 02:29

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4023781-2 01/18/24 02:32

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.509	102	80.0-120	

4 Cn

5 Sr

L1696076-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696076-02 01/18/24 02:34 • (MS) R4023781-3 01/18/24 02:37 • (MSD) R4023781-4 01/18/24 02:39

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.626	ND	0.592	0.599	89.7	90.9	1	75.0-125			1.22	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4026387-1 01/25/24 18:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	0.244	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	U		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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4026387-2 01/25/24 18:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	102	102	80.0-120	
Arsenic	100	97.4	97.4	80.0-120	
Barium	100	93.6	93.6	80.0-120	
Beryllium	100	92.9	92.9	80.0-120	
Cadmium	100	99.0	99.0	80.0-120	
Chromium	100	95.8	95.8	80.0-120	
Cobalt	100	96.8	96.8	80.0-120	
Copper	100	101	101	80.0-120	
Lead	100	96.7	96.7	80.0-120	
Manganese	100	98.7	98.7	80.0-120	
Nickel	100	100	100	80.0-120	
Selenium	100	97.2	97.2	80.0-120	
Silver	20.0	20.1	100	80.0-120	
Thallium	100	96.1	96.1	80.0-120	
Vanadium	100	96.2	96.2	80.0-120	
Zinc	100	95.7	95.7	80.0-120	

L1696158-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696158-06 01/25/24 18:54 • (MS) R4026387-5 01/25/24 19:04 • (MSD) R4026387-6 01/25/24 19:07

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	137	ND	96.5	90.7	70.1	65.8	5	75.0-125	<u>J6</u>	<u>J6</u>	6.27	20
Arsenic	137	3.79	128	124	90.8	87.3	5	75.0-125			3.78	20
Barium	137	151	295	286	105	98.3	5	75.0-125			3.15	20
Beryllium	137	ND	128	125	92.4	90.5	5	75.0-125	<u>E</u>	<u>E</u>	2.11	20
Cadmium	137	ND	137	134	99.5	97.2	5	75.0-125			2.27	20
Chromium	137	30.1	157	152	92.1	88.9	5	75.0-125			2.83	20
Cobalt	137	13.2	140	135	92.6	88.8	5	75.0-125			3.75	20
Copper	137	19.7	157	157	99.9	99.6	5	75.0-125			0.301	20
Lead	137	32.4	164	158	95.7	91.6	5	75.0-125			3.44	20
Manganese	137	748	837	887	64.7	101	5	75.0-125	<u>V</u>		5.84	20
Nickel	137	16.1	147	142	95.4	91.6	5	75.0-125			3.60	20
Selenium	137	ND	136	132	98.1	95.5	5	75.0-125			2.67	20
Silver	27.5	ND	28.0	27.4	102	99.8	5	75.0-125			2.01	20
Thallium	137	ND	128	127	92.8	92.3	5	75.0-125			0.574	20
Vanadium	137	45.5	175	170	94.2	90.7	5	75.0-125			2.76	20
Zinc	137	44.6	177	166	96.4	88.3	5	75.0-125			6.47	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023401-1 01/16/24 15:13

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	U		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	1.10	↓	0.740	25.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4023401-2 01/16/24 15:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	105	105	80.0-120	
Arsenic	100	94.5	94.5	80.0-120	
Barium	100	91.4	91.4	80.0-120	
Beryllium	100	92.4	92.4	80.0-120	
Cadmium	100	95.8	95.8	80.0-120	
Chromium	100	94.0	94.0	80.0-120	
Cobalt	100	96.0	96.0	80.0-120	
Copper	100	92.2	92.2	80.0-120	
Lead	100	92.7	92.7	80.0-120	
Manganese	100	95.2	95.2	80.0-120	
Nickel	100	95.8	95.8	80.0-120	
Selenium	100	91.8	91.8	80.0-120	
Silver	20.0	19.2	96.0	80.0-120	
Thallium	100	92.8	92.8	80.0-120	
Vanadium	100	93.3	93.3	80.0-120	
Zinc	100	88.4	88.4	80.0-120	

L1695848-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695848-01 01/16/24 15:20 • (MS) R4023401-5 01/16/24 15:30 • (MSD) R4023401-6 01/16/24 15:33

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	115	ND	80.4	73.1	69.6	63.2	5	75.0-125	J6	J6	9.58	20
Arsenic	115	7.95	116	111	94.0	89.4	5	75.0-125			4.62	20
Barium	115	57.8	166	184	93.6	109	5	75.0-125			10.4	20
Beryllium	115	ND	108	103	92.9	89.3	5	75.0-125			3.99	20
Cadmium	115	ND	112	108	96.9	93.9	5	75.0-125			3.17	20
Chromium	115	13.0	118	116	90.7	89.1	5	75.0-125			1.62	20
Cobalt	115	7.47	119	112	96.4	90.3	5	75.0-125			6.05	20
Copper	115	9.95	113	108	89.0	85.3	5	75.0-125			3.87	20
Lead	115	11.6	114	108	89.1	84.0	5	75.0-125			5.27	20
Manganese	115	411	618	550	180	121	5	75.0-125	J5		11.6	20
Nickel	115	9.83	120	117	95.4	93.0	5	75.0-125			2.33	20
Selenium	115	ND	108	104	93.2	89.3	5	75.0-125			4.26	20
Silver	23.0	ND	22.0	21.5	95.3	93.1	5	75.0-125			2.29	20
Thallium	115	ND	106	100	92.2	86.6	5	75.0-125			6.29	20
Vanadium	115	19.8	122	120	88.5	87.2	5	75.0-125			1.28	20
Zinc	115	34.5	136	138	87.9	89.6	5	75.0-125			1.46	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023385-2 01/14/24 21:10

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023385-2 01/14/24 21:10

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	84.4			80.0-120
(S) 4-Bromofluorobenzene	85.6			77.0-126
(S) 1,2-Dichloroethane-d4	86.3			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4023385-1 01/14/24 20:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	22.1	88.4	19.0-160	
Acrolein	25.0	20.8	83.2	10.0-160	
Acrylonitrile	25.0	29.1	116	55.0-149	
Benzene	5.00	6.27	125	70.0-123	<u>J4</u>
Bromobenzene	5.00	5.50	110	73.0-121	
Bromodichloromethane	5.00	6.12	122	75.0-120	<u>J4</u>

Laboratory Control Sample (LCS)

(LCS) R4023385-1 01/14/24 20:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Bromoform	5.00	5.10	102	68.0-132	
Bromomethane	5.00	5.16	103	10.0-160	
n-Butylbenzene	5.00	5.04	101	73.0-125	
sec-Butylbenzene	5.00	5.68	114	75.0-125	
tert-Butylbenzene	5.00	5.48	110	76.0-124	
Carbon tetrachloride	5.00	5.94	119	68.0-126	
Chlorobenzene	5.00	5.73	115	80.0-121	
Chlorodibromomethane	5.00	5.40	108	77.0-125	
Chloroethane	5.00	6.01	120	47.0-150	
Chloroform	5.00	5.91	118	73.0-120	
Chloromethane	5.00	6.30	126	41.0-142	
2-Chlorotoluene	5.00	5.97	119	76.0-123	
4-Chlorotoluene	5.00	5.80	116	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.40	88.0	58.0-134	
1,2-Dibromoethane	5.00	5.50	110	80.0-122	
Dibromomethane	5.00	5.99	120	80.0-120	
1,2-Dichlorobenzene	5.00	5.53	111	79.0-121	
1,3-Dichlorobenzene	5.00	5.71	114	79.0-120	
1,4-Dichlorobenzene	5.00	5.53	111	79.0-120	
Dichlorodifluoromethane	5.00	6.57	131	51.0-149	
1,1-Dichloroethane	5.00	6.24	125	70.0-126	
1,2-Dichloroethane	5.00	5.95	119	70.0-128	
1,1-Dichloroethene	5.00	5.95	119	71.0-124	
cis-1,2-Dichloroethene	5.00	5.79	116	73.0-120	
trans-1,2-Dichloroethene	5.00	5.50	110	73.0-120	
1,2-Dichloropropane	5.00	5.74	115	77.0-125	
1,1-Dichloropropene	5.00	5.97	119	74.0-126	
1,3-Dichloropropane	5.00	5.79	116	80.0-120	
cis-1,3-Dichloropropene	5.00	5.81	116	80.0-123	
trans-1,3-Dichloropropene	5.00	5.52	110	78.0-124	
2,2-Dichloropropane	5.00	6.31	126	58.0-130	
Di-isopropyl ether	5.00	6.31	126	58.0-138	
Ethylbenzene	5.00	5.17	103	79.0-123	
Hexachloro-1,3-butadiene	5.00	5.06	101	54.0-138	
Isopropylbenzene	5.00	5.53	111	76.0-127	
p-Isopropyltoluene	5.00	5.24	105	76.0-125	
2-Butanone (MEK)	25.0	28.8	115	44.0-160	
Methylene Chloride	5.00	6.28	126	67.0-120	J4
4-Methyl-2-pentanone (MIBK)	25.0	31.0	124	68.0-142	
Methyl tert-butyl ether	5.00	5.66	113	68.0-125	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4023385-1 01/14/24 20:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Naphthalene	5.00	4.83	96.6	54.0-135	
n-Propylbenzene	5.00	6.13	123	77.0-124	
Styrene	5.00	5.10	102	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.57	111	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	6.00	120	65.0-130	
Tetrachloroethene	5.00	5.26	105	72.0-132	
Toluene	5.00	5.91	118	79.0-120	
1,2,3-Trichlorobenzene	5.00	4.64	92.8	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.54	90.8	57.0-137	
1,1,1-Trichloroethane	5.00	5.75	115	73.0-124	
1,1,2-Trichloroethane	5.00	5.67	113	80.0-120	
Trichloroethene	5.00	5.73	115	78.0-124	
Trichlorofluoromethane	5.00	5.87	117	59.0-147	
1,2,3-Trichloropropane	5.00	5.35	107	73.0-130	
1,2,4-Trimethylbenzene	5.00	5.68	114	76.0-121	
1,3,5-Trimethylbenzene	5.00	5.50	110	76.0-122	
Vinyl chloride	5.00	6.26	125	67.0-131	
Xylenes, Total	15.0	16.2	108	79.0-123	
<i>(S) Toluene-d8</i>			84.0	80.0-120	
<i>(S) 4-Bromofluorobenzene</i>			86.1	77.0-126	
<i>(S) 1,2-Dichloroethane-d4</i>			85.4	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023573-3 01/15/24 20:23

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023573-3 01/15/24 20:23

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	99.6			75.0-131
(S) 4-Bromofluorobenzene	101			67.0-138
(S) 1,2-Dichloroethane-d4	90.0			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4023573-1 01/15/24 18:48 • (LCSD) R4023573-2 01/15/24 19:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.699	0.639	112	102	10.0-160			8.97	31
Acrylonitrile	0.625	0.557	0.517	89.1	82.7	45.0-153			7.45	22
Benzene	0.125	0.113	0.110	90.4	88.0	70.0-123			2.69	20
Bromobenzene	0.125	0.129	0.124	103	99.2	73.0-121			3.95	20
Bromodichloromethane	0.125	0.116	0.116	92.8	92.8	73.0-121			0.000	20
Bromoform	0.125	0.109	0.109	87.2	87.2	64.0-132			0.000	20
Bromomethane	0.125	0.110	0.104	88.0	83.2	56.0-147			5.61	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4023573-1 01/15/24 18:48 • (LCSD) R4023573-2 01/15/24 19:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.123	0.122	98.4	97.6	68.0-135			0.816	20
sec-Butylbenzene	0.125	0.118	0.118	94.4	94.4	74.0-130			0.000	20
tert-Butylbenzene	0.125	0.129	0.124	103	99.2	75.0-127			3.95	20
Carbon tetrachloride	0.125	0.125	0.118	100	94.4	66.0-128			5.76	20
Chlorobenzene	0.125	0.122	0.115	97.6	92.0	76.0-128			5.91	20
Chlorodibromomethane	0.125	0.110	0.104	88.0	83.2	74.0-127			5.61	20
Chloroethane	0.125	0.120	0.110	96.0	88.0	61.0-134			8.70	20
Chloroform	0.125	0.116	0.108	92.8	86.4	72.0-123			7.14	20
Chloromethane	0.125	0.118	0.110	94.4	88.0	51.0-138			7.02	20
2-Chlorotoluene	0.125	0.126	0.117	101	93.6	75.0-124			7.41	20
4-Chlorotoluene	0.125	0.124	0.117	99.2	93.6	75.0-124			5.81	20
1,2-Dibromo-3-Chloropropane	0.125	0.0965	0.0955	77.2	76.4	59.0-130			1.04	20
1,2-Dibromoethane	0.125	0.115	0.111	92.0	88.8	74.0-128			3.54	20
Dibromomethane	0.125	0.118	0.113	94.4	90.4	75.0-122			4.33	20
1,2-Dichlorobenzene	0.125	0.122	0.116	97.6	92.8	76.0-124			5.04	20
1,3-Dichlorobenzene	0.125	0.123	0.119	98.4	95.2	76.0-125			3.31	20
1,4-Dichlorobenzene	0.125	0.117	0.116	93.6	92.8	77.0-121			0.858	20
Dichlorodifluoromethane	0.125	0.121	0.112	96.8	89.6	43.0-156			7.73	20
1,1-Dichloroethane	0.125	0.122	0.113	97.6	90.4	70.0-127			7.66	20
1,2-Dichloroethane	0.125	0.104	0.103	83.2	82.4	65.0-131			0.966	20
1,1-Dichloroethene	0.125	0.127	0.115	102	92.0	65.0-131			9.92	20
cis-1,2-Dichloroethene	0.125	0.120	0.107	96.0	85.6	73.0-125			11.5	20
trans-1,2-Dichloroethene	0.125	0.119	0.108	95.2	86.4	71.0-125			9.69	20
1,2-Dichloropropane	0.125	0.119	0.116	95.2	92.8	74.0-125			2.55	20
1,1-Dichloropropene	0.125	0.123	0.114	98.4	91.2	73.0-125			7.59	20
1,3-Dichloropropane	0.125	0.116	0.117	92.8	93.6	80.0-125			0.858	20
cis-1,3-Dichloropropene	0.125	0.122	0.121	97.6	96.8	76.0-127			0.823	20
trans-1,3-Dichloropropene	0.125	0.125	0.124	100	99.2	73.0-127			0.803	20
2,2-Dichloropropane	0.125	0.126	0.125	101	100	59.0-135			0.797	20
Di-isopropyl ether	0.125	0.123	0.116	98.4	92.8	60.0-136			5.86	20
Ethylbenzene	0.125	0.125	0.114	100	91.2	74.0-126			9.21	20
Hexachloro-1,3-butadiene	0.125	0.108	0.103	86.4	82.4	57.0-150			4.74	20
Isopropylbenzene	0.125	0.129	0.122	103	97.6	72.0-127			5.58	20
p-Isopropyltoluene	0.125	0.125	0.126	100	101	72.0-133			0.797	20
2-Butanone (MEK)	0.625	0.556	0.577	89.0	92.3	30.0-160			3.71	24
Methylene Chloride	0.125	0.125	0.117	100	93.6	68.0-123			6.61	20
4-Methyl-2-pentanone (MIBK)	0.625	0.555	0.560	88.8	89.6	56.0-143			0.897	20
Methyl tert-butyl ether	0.125	0.133	0.126	106	101	66.0-132			5.41	20
Naphthalene	0.125	0.108	0.115	86.4	92.0	59.0-130			6.28	20
n-Propylbenzene	0.125	0.121	0.116	96.8	92.8	74.0-126			4.22	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4023573-1 01/15/24 18:48 • (LCSD) R4023573-2 01/15/24 19:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Styrene	0.125	0.117	0.115	93.6	92.0	72.0-127			1.72	20
1,1,1,2-Tetrachloroethane	0.125	0.125	0.123	100	98.4	74.0-129			1.61	20
1,1,2,2-Tetrachloroethane	0.125	0.109	0.111	87.2	88.8	68.0-128			1.82	20
Tetrachloroethene	0.125	0.124	0.123	99.2	98.4	70.0-136			0.810	20
Toluene	0.125	0.115	0.110	92.0	88.0	75.0-121			4.44	20
1,2,3-Trichlorobenzene	0.125	0.123	0.131	98.4	105	59.0-139			6.30	20
1,2,4-Trichlorobenzene	0.125	0.122	0.122	97.6	97.6	62.0-137			0.000	20
1,1,1-Trichloroethane	0.125	0.131	0.124	105	99.2	69.0-126			5.49	20
1,1,2-Trichloroethane	0.125	0.114	0.117	91.2	93.6	78.0-123			2.60	20
Trichloroethene	0.125	0.115	0.108	92.0	86.4	76.0-126			6.28	20
Trichlorofluoromethane	0.125	0.128	0.121	102	96.8	61.0-142			5.62	20
1,2,3-Trichloropropane	0.125	0.112	0.109	89.6	87.2	67.0-129			2.71	20
1,2,4-Trimethylbenzene	0.125	0.125	0.120	100	96.0	70.0-126			4.08	20
1,3,5-Trimethylbenzene	0.125	0.125	0.119	100	95.2	73.0-127			4.92	20
Vinyl chloride	0.125	0.116	0.113	92.8	90.4	63.0-134			2.62	20
Xylenes, Total	0.375	0.388	0.366	103	97.6	72.0-127			5.84	20
(S) Toluene-d8				95.3	96.6	75.0-131				
(S) 4-Bromofluorobenzene				102	99.6	67.0-138				
(S) 1,2-Dichloroethane-d4				89.8	92.8	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024032-3 01/18/24 11:09

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	0.00173	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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4024032-3 01/18/24 11:09

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	109			75.0-131
(S) 4-Bromofluorobenzene	94.2			67.0-138
(S) 1,2-Dichloroethane-d4	116			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4024032-1 01/18/24 09:34 • (LCSD) R4024032-2 01/18/24 09:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.407	0.405	65.1	64.8	10.0-160			0.493	31
Acrylonitrile	0.625	0.773	0.798	124	128	45.0-153			3.18	22
Benzene	0.125	0.142	0.148	114	118	70.0-123			4.14	20
Bromobenzene	0.125	0.138	0.149	110	119	73.0-121			7.67	20
Bromodichloromethane	0.125	0.131	0.129	105	103	73.0-121			1.54	20
Bromoform	0.125	0.0928	0.0974	74.2	77.9	64.0-132			4.84	20
Bromomethane	0.125	0.112	0.119	89.6	95.2	56.0-147			6.06	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4024032-1 01/18/24 09:34 • (LCSD) R4024032-2 01/18/24 09:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.140	0.135	112	108	68.0-135			3.64	20
sec-Butylbenzene	0.125	0.159	0.146	127	117	74.0-130			8.52	20
tert-Butylbenzene	0.125	0.148	0.146	118	117	75.0-127			1.36	20
Carbon tetrachloride	0.125	0.137	0.135	110	108	66.0-128			1.47	20
Chlorobenzene	0.125	0.134	0.139	107	111	76.0-128			3.66	20
Chlorodibromomethane	0.125	0.129	0.127	103	102	74.0-127			1.56	20
Chloroethane	0.125	0.125	0.130	100	104	61.0-134			3.92	20
Chloroform	0.125	0.133	0.135	106	108	72.0-123			1.49	20
Chloromethane	0.125	0.129	0.143	103	114	51.0-138			10.3	20
2-Chlorotoluene	0.125	0.150	0.151	120	121	75.0-124			0.664	20
4-Chlorotoluene	0.125	0.157	0.163	126	130	75.0-124	J4	J4	3.75	20
1,2-Dibromo-3-Chloropropane	0.125	0.123	0.117	98.4	93.6	59.0-130			5.00	20
1,2-Dibromoethane	0.125	0.135	0.140	108	112	74.0-128			3.64	20
Dibromomethane	0.125	0.137	0.142	110	114	75.0-122			3.58	20
1,2-Dichlorobenzene	0.125	0.146	0.146	117	117	76.0-124			0.000	20
1,3-Dichlorobenzene	0.125	0.136	0.137	109	110	76.0-125			0.733	20
1,4-Dichlorobenzene	0.125	0.143	0.146	114	117	77.0-121			2.08	20
Dichlorodifluoromethane	0.125	0.108	0.114	86.4	91.2	43.0-156			5.41	20
1,1-Dichloroethane	0.125	0.141	0.145	113	116	70.0-127			2.80	20
1,2-Dichloroethane	0.125	0.149	0.159	119	127	65.0-131			6.49	20
1,1-Dichloroethene	0.125	0.146	0.150	117	120	65.0-131			2.70	20
cis-1,2-Dichloroethene	0.125	0.129	0.136	103	109	73.0-125			5.28	20
trans-1,2-Dichloroethene	0.125	0.133	0.133	106	106	71.0-125			0.000	20
1,2-Dichloropropane	0.125	0.141	0.147	113	118	74.0-125			4.17	20
1,1-Dichloropropene	0.125	0.156	0.163	125	130	73.0-125		J4	4.39	20
1,3-Dichloropropane	0.125	0.145	0.161	116	129	80.0-125		J4	10.5	20
cis-1,3-Dichloropropene	0.125	0.129	0.130	103	104	76.0-127			0.772	20
trans-1,3-Dichloropropene	0.125	0.139	0.146	111	117	73.0-127			4.91	20
2,2-Dichloropropane	0.125	0.146	0.145	117	116	59.0-135			0.687	20
Di-isopropyl ether	0.125	0.128	0.133	102	106	60.0-136			3.83	20
Ethylbenzene	0.125	0.136	0.149	109	119	74.0-126			9.12	20
Hexachloro-1,3-butadiene	0.125	0.0946	0.101	75.7	80.8	57.0-150			6.54	20
Isopropylbenzene	0.125	0.134	0.131	107	105	72.0-127			2.26	20
p-Isopropyltoluene	0.125	0.147	0.143	118	114	72.0-133			2.76	20
2-Butanone (MEK)	0.625	0.667	0.760	107	122	30.0-160			13.0	24
Methylene Chloride	0.125	0.131	0.129	105	103	68.0-123			1.54	20
4-Methyl-2-pentanone (MIBK)	0.625	0.762	0.805	122	129	56.0-143			5.49	20
Methyl tert-butyl ether	0.125	0.124	0.124	99.2	99.2	66.0-132			0.000	20
Naphthalene	0.125	0.123	0.115	98.4	92.0	59.0-130			6.72	20
n-Propylbenzene	0.125	0.164	0.167	131	134	74.0-126	J4	J4	1.81	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4024032-1 01/18/24 09:34 • (LCSD) R4024032-2 01/18/24 09:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Styrene	0.125	0.117	0.118	93.6	94.4	72.0-127			0.851	20
1,1,1,2-Tetrachloroethane	0.125	0.121	0.132	96.8	106	74.0-129			8.70	20
1,1,2,2-Tetrachloroethane	0.125	0.156	0.153	125	122	68.0-128			1.94	20
Tetrachloroethene	0.125	0.122	0.125	97.6	100	70.0-136			2.43	20
Toluene	0.125	0.140	0.145	112	116	75.0-121			3.51	20
1,2,3-Trichlorobenzene	0.125	0.112	0.0983	89.6	78.6	59.0-139			13.0	20
1,2,4-Trichlorobenzene	0.125	0.113	0.105	90.4	84.0	62.0-137			7.34	20
1,1,1-Trichloroethane	0.125	0.133	0.137	106	110	69.0-126			2.96	20
1,1,2-Trichloroethane	0.125	0.135	0.114	108	91.2	78.0-123			16.9	20
Trichloroethene	0.125	0.135	0.140	108	112	76.0-126			3.64	20
Trichlorofluoromethane	0.125	0.127	0.129	102	103	61.0-142			1.56	20
1,2,3-Trichloropropane	0.125	0.168	0.168	134	134	67.0-129	J4	J4	0.000	20
1,2,4-Trimethylbenzene	0.125	0.144	0.139	115	111	70.0-126			3.53	20
1,3,5-Trimethylbenzene	0.125	0.149	0.144	119	115	73.0-127			3.41	20
Vinyl chloride	0.125	0.120	0.146	96.0	117	63.0-134			19.5	20
Xylenes, Total	0.375	0.390	0.399	104	106	72.0-127			2.28	20
(S) Toluene-d8				108	108	75.0-131				
(S) 4-Bromofluorobenzene				97.0	97.2	67.0-138				
(S) 1,2-Dichloroethane-d4				117	117	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4025030-2 01/18/24 14:50

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4025030-2 01/18/24 14:50

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	65.9			12.0-120
(S) Phenol-d5	67.4			10.0-120
(S) Nitrobenzene-d5	61.6			10.0-122
(S) 2-Fluorobiphenyl	64.0			15.0-120
(S) 2,4,6-Tribromophenol	53.9			10.0-127
(S) p-Terphenyl-d14	74.8			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4025030-1 01/18/24 14:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.477	71.6	38.0-120	
Acenaphthylene	0.666	0.480	72.1	40.0-120	
Anthracene	0.666	0.474	71.2	42.0-120	
Benzidine	1.33	0.307	23.1	10.0-120	
Benzo(a)anthracene	0.666	0.479	71.9	44.0-120	
Benzo(b)fluoranthene	0.666	0.460	69.1	43.0-120	
Benzo(k)fluoranthene	0.666	0.448	67.3	44.0-120	
Benzo(g,h,i)perylene	0.666	0.516	77.5	43.0-120	
Benzo(a)pyrene	0.666	0.463	69.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.378	56.8	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.473	71.0	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.410	61.6	23.0-120	
4-Bromophenyl-phenylether	0.666	0.431	64.7	40.0-120	
2-Chloronaphthalene	0.666	0.462	69.4	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4025030-1 01/18/24 14:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.483	72.5	40.0-120	
Chrysene	0.666	0.459	68.9	43.0-120	
Dibenz(a,h)anthracene	0.666	0.474	71.2	44.0-120	
3,3-Dichlorobenzidine	1.33	0.823	61.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.574	86.2	45.0-120	
2,6-Dinitrotoluene	0.666	0.480	72.1	42.0-120	
Fluoranthene	0.666	0.459	68.9	44.0-120	
Fluorene	0.666	0.490	73.6	41.0-120	
Hexachlorobenzene	0.666	0.420	63.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.328	49.2	15.0-120	
Hexachlorocyclopentadiene	0.666	0.412	61.9	15.0-120	
Hexachloroethane	0.666	0.385	57.8	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.439	65.9	45.0-120	
Isophorone	0.666	0.392	58.9	23.0-120	
Naphthalene	0.666	0.357	53.6	18.0-120	
Nitrobenzene	0.666	0.389	58.4	17.0-120	
n-Nitrosodimethylamine	0.666	0.220	33.0	10.0-125	
n-Nitrosodiphenylamine	0.666	0.445	66.8	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.452	67.9	26.0-120	
Phenanthrene	0.666	0.466	70.0	42.0-120	
Benzylbutyl phthalate	0.666	0.523	78.5	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.536	80.5	41.0-120	
Di-n-butyl phthalate	0.666	0.484	72.7	43.0-120	
Diethyl phthalate	0.666	0.520	78.1	43.0-120	
Dimethyl phthalate	0.666	0.499	74.9	43.0-120	
Di-n-octyl phthalate	0.666	0.360	54.1	40.0-120	
Pyrene	0.666	0.487	73.1	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.346	52.0	17.0-120	
4-Chloro-3-methylphenol	0.666	0.409	61.4	28.0-120	
2-Chlorophenol	0.666	0.438	65.8	28.0-120	
2,4-Dichlorophenol	0.666	0.369	55.4	25.0-120	
2,4-Dimethylphenol	0.666	0.604	90.7	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.439	65.9	16.0-120	
2,4-Dinitrophenol	0.666	0.314	47.1	10.0-120	
2-Nitrophenol	0.666	0.394	59.2	20.0-120	
4-Nitrophenol	0.666	0.533	80.0	27.0-120	
Pentachlorophenol	0.666	0.359	53.9	29.0-120	
Phenol	0.666	0.376	56.5	28.0-120	
2,4,6-Trichlorophenol	0.666	0.462	69.4	37.0-120	
(S) 2-Fluorophenol			69.5	12.0-120	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4025030-1 01/18/24 14:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			58.9	10.0-120	
(S) Nitrobenzene-d5			51.7	10.0-122	
(S) 2-Fluorobiphenyl			71.8	15.0-120	
(S) 2,4,6-Tribromophenol			62.3	10.0-127	
(S) p-Terphenyl-d14			72.7	10.0-120	

L1696158-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696158-05 01/18/24 21:31 • (MS) R4025030-3 01/18/24 21:56 • (MSD) R4025030-4 01/18/24 22:20

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	0.856	ND	0.499	0.511	58.3	59.5	1	18.0-120			2.33	32
Acenaphthylene	0.856	ND	0.503	0.462	58.7	53.8	1	25.0-120			8.41	32
Anthracene	0.856	ND	0.560	0.518	63.4	58.4	1	22.0-120			7.77	29
Benzidine	1.72	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(a)anthracene	0.856	0.0943	0.682	0.644	68.7	64.0	1	25.0-120			5.73	29
Benzo(b)fluoranthene	0.856	0.161	0.820	0.799	76.9	74.2	1	19.0-122			2.59	31
Benzo(k)fluoranthene	0.856	0.0494	0.636	0.618	68.5	66.2	1	23.0-120			2.92	30
Benzo(g,h,i)perylene	0.856	0.0462	0.418	0.353	43.4	35.8	1	10.0-120			16.6	33
Benzo(a)pyrene	0.856	0.104	0.694	0.655	68.9	64.2	1	24.0-120			5.83	30
Bis(2-chloroethoxy)methane	0.856	ND	0.444	ND	51.8	47.3	1	10.0-120			8.94	34
Bis(2-chloroethyl)ether	0.856	ND	0.504	0.508	58.9	59.1	1	10.0-120			0.776	40
2,2-Oxybis(1-Chloropropane)	0.856	ND	0.467	0.471	54.6	54.9	1	10.0-120			0.837	40
4-Bromophenyl-phenylether	0.856	ND	0.500	0.466	58.4	54.3	1	27.0-120			7.05	30
2-Chloronaphthalene	0.856	ND	0.483	0.470	56.4	54.7	1	20.0-120			2.75	32
4-Chlorophenyl-phenylether	0.856	ND	0.509	0.504	59.5	58.7	1	24.0-120			1.03	29
Chrysene	0.856	0.112	0.693	0.651	67.8	62.7	1	21.0-120			6.24	29
Dibenz(a,h)anthracene	0.856	ND	0.385	0.356	43.5	40.0	1	10.0-120			7.77	32
3,3-Dichlorobenzidine	1.72	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	34
2,4-Dinitrotoluene	0.856	ND	0.589	0.619	68.8	72.1	1	30.0-120			4.98	31
2,6-Dinitrotoluene	0.856	ND	0.562	0.564	65.6	65.7	1	25.0-120			0.465	31
Fluoranthene	0.856	0.225	0.913	0.535	80.3	36.1	1	18.0-126		J3	52.1	32
Fluorene	0.856	ND	0.530	0.528	61.9	61.4	1	25.0-120			0.495	30
Hexachlorobenzene	0.856	ND	0.483	0.486	56.4	56.6	1	27.0-120			0.541	28
Hexachloro-1,3-butadiene	0.856	ND	ND	ND	49.1	38.9	1	10.0-120			22.9	38
Hexachlorocyclopentadiene	0.856	ND	ND	ND	11.2	9.82	1	10.0-120		J6	12.9	40
Hexachloroethane	0.856	ND	ND	ND	38.4	35.2	1	10.0-120			8.30	40
Indeno(1,2,3-cd)pyrene	0.856	0.0534	0.420	0.365	42.8	36.3	1	10.0-120			14.0	32
Isophorone	0.856	ND	0.463	ND	54.1	48.6	1	13.0-120			10.4	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1696158-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696158-05 01/18/24 21:31 • (MS) R4025030-3 01/18/24 21:56 • (MSD) R4025030-4 01/18/24 22:20

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	0.856	ND	0.420	0.386	49.1	45.0	1	10.0-120			8.44	35
Nitrobenzene	0.856	ND	0.444	ND	51.8	43.3	1	10.0-120			17.7	36
n-Nitrosodimethylamine	0.856	ND	ND	ND	26.3	26.2	1	10.0-127			0.000	40
n-Nitrosodiphenylamine	0.856	ND	0.460	0.483	53.7	56.2	1	17.0-120			5.00	29
n-Nitrosodi-n-propylamine	0.856	ND	0.515	0.543	60.1	63.3	1	10.0-120			5.45	37
Phenanthrene	0.856	0.106	0.702	0.581	69.6	55.4	1	17.0-120			18.8	31
Benzylbutyl phthalate	0.856	ND	0.611	0.626	71.4	72.9	1	23.0-120			2.33	30
Bis(2-ethylhexyl)phthalate	0.856	ND	1.03	0.690	120	80.3	1	17.0-126		J3	39.1	30
Di-n-butyl phthalate	0.856	ND	0.559	0.585	65.3	68.1	1	30.0-120			4.58	29
Diethyl phthalate	0.856	ND	0.563	0.580	65.7	67.5	1	26.0-120			2.98	28
Dimethyl phthalate	0.856	ND	0.539	0.542	63.0	63.1	1	25.0-120			0.484	29
Di-n-octyl phthalate	0.856	ND	0.645	0.669	75.4	77.9	1	21.0-123			3.59	29
Pyrene	0.856	0.187	1.18	0.755	116	66.2	1	16.0-121		J3	43.6	32
1,2,4-Trichlorobenzene	0.856	ND	ND	ND	47.6	38.3	1	12.0-120			21.4	37
4-Chloro-3-methylphenol	0.856	ND	0.516	0.482	60.2	56.1	1	15.0-120			6.82	30
2-Chlorophenol	0.856	ND	0.513	0.501	59.9	58.4	1	15.0-120			2.32	37
2,4-Dichlorophenol	0.856	ND	0.456	ND	53.2	46.2	1	20.0-120			13.8	31
2,4-Dimethylphenol	0.856	ND	0.690	0.572	80.6	66.6	1	10.0-120			18.7	33
4,6-Dinitro-2-methylphenol	0.856	ND	0.446	ND	52.1	49.4	1	10.0-120			5.11	39
2,4-Dinitrophenol	0.856	ND	ND	0.445	48.8	51.8	1	10.0-121			6.37	40
2-Nitrophenol	0.856	ND	0.480	ND	56.1	46.0	1	12.0-120			19.4	39
4-Nitrophenol	0.856	ND	0.617	0.644	72.0	75.0	1	10.0-137			4.36	32
Pentachlorophenol	0.856	ND	0.537	0.499	62.7	58.1	1	10.0-160			7.33	31
Phenol	0.856	ND	0.499	0.517	58.3	60.2	1	12.0-120			3.61	38
2,4,6-Trichlorophenol	0.856	ND	0.508	0.458	59.3	53.4	1	19.0-120			10.3	32
(S) 2-Fluorophenol					59.2	54.1		12.0-120				
(S) Phenol-d5					58.1	59.9		10.0-120				
(S) Nitrobenzene-d5					47.7	36.9		10.0-122				
(S) 2-Fluorobiphenyl					55.7	54.6		15.0-120				
(S) 2,4,6-Tribromophenol					59.2	59.6		10.0-127				
(S) p-Terphenyl-d14					88.4	64.0		10.0-120				

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

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
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
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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	LA000356
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@concurrency.com)

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**

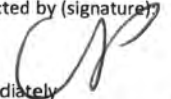
Client Project #
23050630

Lab Project #
SMERLNC-NORTHGATE

Collected by (print):
Chelsea Parra

Site/Facility ID #

P.O. #

Collected by (signature):

 Immediately Packed on Ice **N** Y

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
-----------	-----------	----------	-------	------	------	--------------

825-SB-08	C	SS	0-1	11/11/24	1120	4
825-SB-09		SS			1125	4
825-SB-10		SS			1130	4
825-SB-11		SS			1135	4
825-SB-12		SS			1140	4
825-SB-13		SS			1145	4
825-SB-14		SS			1150	4
825-SB-15		SS			1155	4
825-SB-16		SS			1200	4
825-SB-17		SS			1205	4

Analysis / Container / Preservative	
Metals 20zClr-NoPres	X
SPLP/TCLP HOLD 40zClr-NoPres	X
SV8270, IS 40zClr-NoPres	X
V8260 40mlAmb-HCl-Bik	X
V8260 40mlAmb/MeOH10ml/Syr	X
SV065 8270	X
18 Metals 6020	X
Mercury 7471	X
Hex-Chrom. 7199	X

Chain of Custody Page **1** of **2**

 PEOPLE ADVANCING SCIENCE
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/hubs/pas-standard-terms.pdf>


SDG # **41696158**
F112
 Acctnum: **SMERLNC**
 Template: **T243915**
 Prelogin: **P1044755**
 PM: **034 - Craig Cothron**
 PB:

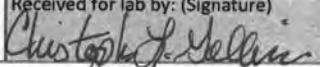
Shipped Via: **FedEX Ground**

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: **SPLP / TCLP on hold**
 pH _____ Temp _____
 Flow _____ Other _____
 Samples returned via:
 UPS FedEx Courier
 Tracking # **715503982334**

Sample Receipt Checklist
 COC Seal Present/Intact: Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
IF Applicable
 Vial Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 Filter Screen <0.5 mR/hr: Y N

Relinquished by: (Signature)

 Date: **11/11/24**
 Time: **1630**


Received by: (Signature)
 Date: **11/13/24**
 Time: **0900**
 Received for lab by: (Signature)


Trip Blank Received: Yes / No
 HCl/MeOH TBR
 Temp: **15.8** °C
 Bottles Received: **44**
 If preservation required by Login: Date/Time
 Condition: **NCF / OK**

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@concurrency.com)

Pres Chk
 Analysis / Container / Preservative

Chain of Custody Page 2 of 2

 PEOPLE ADVANCING SCIENCE

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**

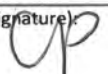
Client Project #
23050630

Lab Project #
SMERLNC-NORTHGATE

Collected by (print):
Chelsea Parva

Site/Facility ID #

P.O. #

Collected by (signature):

 Immediately Packed on Ice N Y

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

Metals 20zClr-NoPres
 SLP/TLR-GOLD 40zClr-NoPres
 SV8270, JS 40zClr-NoPres
 V8260 40mlAmb-HCl-BIK
 V8260 40mlAmb/MeOH10ml/Syr
 SVOCS 8270
 18 Metals 6020
 Mercury 7471
 Hex. Chrom. 7199

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/hubs/pas-standard-terms.pdf>

SDG # **U696158**
 Table #
 Acctnum: **SMERLNC**
 Template: **T243915**
 Prelogin: **P1044755**
 PM: **034 - Craig Cothron**
 PB:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
82S-SB-18	C	SS	0-1	1/11/24	1535	4
Trip Blank		GW-SS				4
		SS				4
		SS				4
		SS				4
		SS				4
		SS				4
		SS				4
		SS				4
		SS				4

Metals 20zClr-NoPres	SLP/TLR-GOLD 40zClr-NoPres	SV8270, JS 40zClr-NoPres	V8260 40mlAmb-HCl-BIK	V8260 40mlAmb/MeOH10ml/Syr	SVOCS 8270	18 Metals 6020	Mercury 7471	Hex. Chrom. 7199
X	X	X		X	X	X	X	X
X	X	X	X	X				
X	X	X		X				
X	X	X		X				
X	X	X		X				
X	X	X		X				
X	X	X		X				
X	X	X		X				
X	X	X		X				

Shipped Via: **FedEx Ground**
 Remarks | Sample # (lab only)

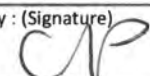
* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other _____

Remarks:
SPLP/TLR on hold
 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: **1/11/24**
 Time: **1630**

Received by: (Signature)

Trip Blank Received: Yes / No
 HCL/MeOH
 TBR

Relinquished by: (Signature)

Date:

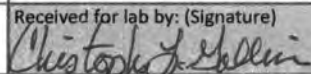
Received by: (Signature)

Temp **58** °C
2870
 Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Received for lab by: (Signature)


Date: **1/13/24**
 Time: **0900**

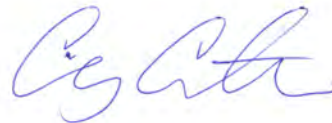
Condition:
 NCF / **OK**

S&ME Inc. - Raleigh NC

Sample Delivery Group: L1696432
Samples Received: 01/13/2024
Project Number: 23050630
Description: Northgate Park

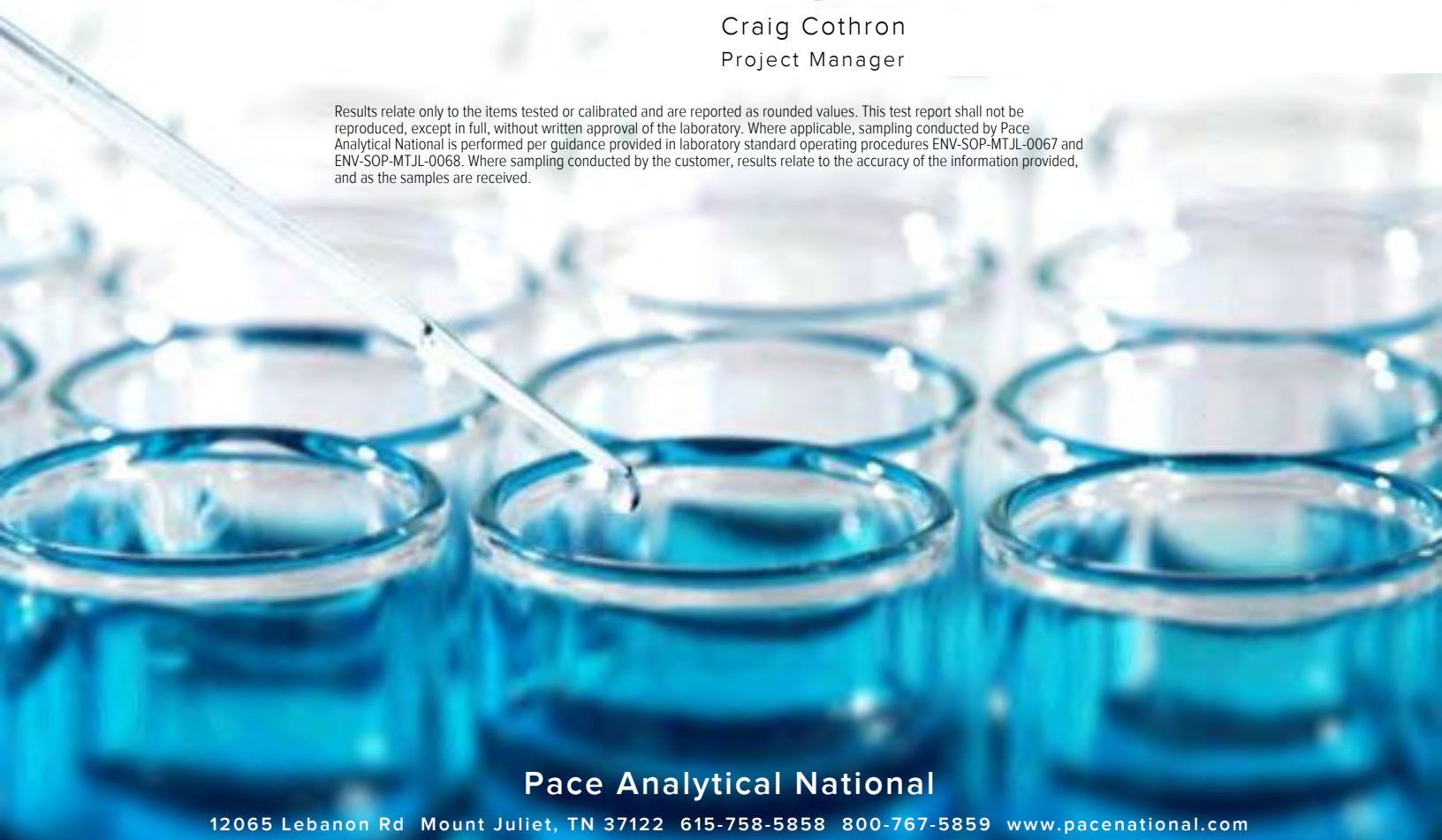
Report To: Mr. Jerry Paul
3201 Spring Forest Road
Raleigh, NC 27616

Entire Report Reviewed By:



Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

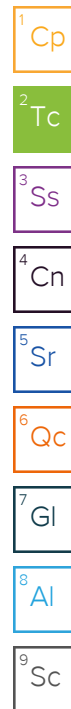


Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

825-SB-41 L1696432-01 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 12:10
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2208489	1	01/18/24 06:16	01/18/24 06:25	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209348	1	01/19/24 13:18	01/24/24 14:46	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2208331	1	01/17/24 16:03	01/18/24 13:35	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2208838	5	01/18/24 15:06	01/24/24 16:46	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208152	1	01/12/24 12:10	01/17/24 15:12	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208465	1	01/19/24 08:26	01/19/24 19:47	AGW	Mt. Juliet, TN



825-SB-42 L1696432-02 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 14:40
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2208489	1	01/18/24 06:16	01/18/24 06:25	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209348	1	01/19/24 13:18	01/24/24 15:05	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2208331	1	01/17/24 16:03	01/18/24 13:37	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2208838	5	01/18/24 15:06	01/24/24 17:05	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208152	1.08	01/12/24 14:40	01/17/24 15:31	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208465	1	01/19/24 08:26	01/19/24 22:31	AGW	Mt. Juliet, TN

825-SB-43 L1696432-03 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 14:45
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2208489	1	01/18/24 06:16	01/18/24 06:25	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209348	1	01/19/24 13:18	01/24/24 15:11	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2208331	1	01/17/24 16:03	01/18/24 13:40	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2208838	5	01/18/24 15:06	01/24/24 17:09	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208152	1	01/12/24 14:45	01/17/24 15:50	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208465	2	01/19/24 08:26	01/20/24 19:46	JCH	Mt. Juliet, TN

825-SB-44 L1696432-04 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 14:50
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2208489	1	01/18/24 06:16	01/18/24 06:25	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 17:08	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2208331	1	01/17/24 16:03	01/18/24 13:42	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2208838	5	01/18/24 15:06	01/24/24 17:23	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208152	1	01/12/24 14:50	01/17/24 16:09	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208465	1	01/19/24 08:26	01/19/24 21:09	AGW	Mt. Juliet, TN

825-SB-45 L1696432-05 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 14:55
 Received date/time 01/13/24 09:00

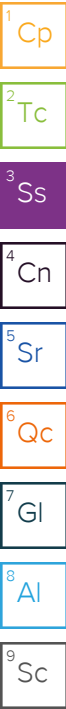
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2208489	1	01/18/24 06:16	01/18/24 06:25	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 17:14	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2208331	1	01/17/24 16:03	01/18/24 13:45	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2208838	5	01/18/24 15:06	01/24/24 17:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208152	1	01/12/24 14:55	01/17/24 16:28	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208465	1	01/19/24 08:26	01/19/24 19:27	AGW	Mt. Juliet, TN

SAMPLE SUMMARY

825-SB-46 L1696432-06 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 15:00
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2208489	1	01/18/24 06:16	01/18/24 06:25	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 17:20	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2208331	1	01/17/24 16:03	01/18/24 13:52	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2208838	5	01/18/24 15:06	01/24/24 17:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208152	1.02	01/12/24 15:00	01/17/24 16:47	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208465	1	01/19/24 08:26	01/19/24 22:10	AGW	Mt. Juliet, TN



825-SB-47 L1696432-07 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 12:15
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2208489	1	01/18/24 06:16	01/18/24 06:25	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 17:26	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2208331	1	01/17/24 16:03	01/18/24 13:54	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2208838	5	01/18/24 15:06	01/24/24 17:33	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208152	1.06	01/12/24 12:15	01/17/24 17:06	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208465	1	01/19/24 08:26	01/19/24 21:29	AGW	Mt. Juliet, TN

825-SB-48 L1696432-08 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 12:20
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2208489	1	01/18/24 06:16	01/18/24 06:25	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 17:32	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2208331	1	01/17/24 16:03	01/18/24 13:57	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2208838	5	01/18/24 15:06	01/24/24 17:36	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208152	1	01/12/24 12:20	01/17/24 17:24	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208465	1	01/19/24 08:26	01/19/24 20:49	AGW	Mt. Juliet, TN

825-SB-49 L1696432-09 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 12:25
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2208489	1	01/18/24 06:16	01/18/24 06:25	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 17:38	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2208331	1	01/17/24 16:03	01/18/24 13:59	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2208838	5	01/18/24 15:06	01/24/24 17:39	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208152	1	01/12/24 12:25	01/17/24 17:43	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208465	1	01/19/24 08:26	01/19/24 20:08	AGW	Mt. Juliet, TN

825-SB-50 L1696432-10 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 12:30
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2208490	1	01/18/24 06:08	01/18/24 06:15	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 17:45	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2208331	1	01/17/24 16:03	01/18/24 14:02	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2208838	5	01/18/24 15:06	01/24/24 17:42	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208152	1	01/12/24 12:30	01/17/24 18:02	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208465	1	01/19/24 08:26	01/19/24 20:28	AGW	Mt. Juliet, TN

SAMPLE SUMMARY

825-SB-51 L1696432-11 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 12:35
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2208490	1	01/18/24 06:08	01/18/24 06:15	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 17:51	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2208331	1	01/17/24 16:03	01/18/24 14:04	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2208838	5	01/18/24 15:06	01/24/24 17:45	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208152	1	01/12/24 12:35	01/17/24 18:22	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208465	1	01/19/24 08:26	01/19/24 21:50	AMS	Mt. Juliet, TN

TRIP BLANK L1696432-12 GW

Collected by Chelsea Parra
 Collected date/time 01/12/24 00:00
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208632	1	01/18/24 12:05	01/18/24 12:05	JCP	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

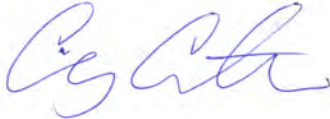
7 Gl

8 Al

9 Sc

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.6		1	01/18/2024 06:25	WG2208489

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.31		1.20	1	01/24/2024 14:46	WG2209348

Mercury by Method 7471B

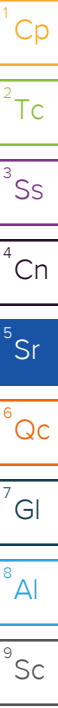
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0756		0.0479	1	01/18/2024 13:35	WG2208331

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.59	5	01/24/2024 16:46	WG2208838
Arsenic	2.00	O1	1.20	5	01/24/2024 16:46	WG2208838
Barium	57.3		2.99	5	01/24/2024 16:46	WG2208838
Beryllium	ND		2.99	5	01/24/2024 16:46	WG2208838
Cadmium	ND	O1	1.20	5	01/24/2024 16:46	WG2208838
Chromium	36.4	J3 J5 O1	5.98	5	01/24/2024 16:46	WG2208838
Cobalt	16.3	O1	1.20	5	01/24/2024 16:46	WG2208838
Copper	16.2		5.98	5	01/24/2024 16:46	WG2208838
Lead	17.8		2.39	5	01/24/2024 16:46	WG2208838
Manganese	465	J3 J5 O1	2.99	5	01/24/2024 16:46	WG2208838
Nickel	22.6	O1	2.99	5	01/24/2024 16:46	WG2208838
Selenium	ND		2.99	5	01/24/2024 16:46	WG2208838
Silver	0.801		0.598	5	01/24/2024 16:46	WG2208838
Thallium	ND	O1	2.39	5	01/24/2024 16:46	WG2208838
Vanadium	48.0	O1	2.99	5	01/24/2024 16:46	WG2208838
Zinc	33.9		29.9	5	01/24/2024 16:46	WG2208838

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0709	1	01/17/2024 15:12	WG2208152
Acrylonitrile	ND		0.0177	1	01/17/2024 15:12	WG2208152
Benzene	ND		0.00142	1	01/17/2024 15:12	WG2208152
Bromobenzene	ND		0.0177	1	01/17/2024 15:12	WG2208152
Bromodichloromethane	ND		0.00355	1	01/17/2024 15:12	WG2208152
Bromoform	ND		0.0355	1	01/17/2024 15:12	WG2208152
Bromomethane	ND		0.0177	1	01/17/2024 15:12	WG2208152
n-Butylbenzene	ND		0.0177	1	01/17/2024 15:12	WG2208152
sec-Butylbenzene	ND		0.0177	1	01/17/2024 15:12	WG2208152
tert-Butylbenzene	ND		0.00709	1	01/17/2024 15:12	WG2208152
Carbon tetrachloride	ND		0.00709	1	01/17/2024 15:12	WG2208152
Chlorobenzene	ND		0.00355	1	01/17/2024 15:12	WG2208152
Chlorodibromomethane	ND		0.00355	1	01/17/2024 15:12	WG2208152
Chloroethane	ND		0.00709	1	01/17/2024 15:12	WG2208152
Chloroform	ND		0.00355	1	01/17/2024 15:12	WG2208152
Chloromethane	ND		0.0177	1	01/17/2024 15:12	WG2208152
2-Chlorotoluene	ND		0.00355	1	01/17/2024 15:12	WG2208152
4-Chlorotoluene	ND		0.00709	1	01/17/2024 15:12	WG2208152
1,2-Dibromo-3-Chloropropane	ND		0.0355	1	01/17/2024 15:12	WG2208152



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00355	1	01/17/2024 15:12	WG2208152
Dibromomethane	ND		0.00709	1	01/17/2024 15:12	WG2208152
1,2-Dichlorobenzene	ND		0.00709	1	01/17/2024 15:12	WG2208152
1,3-Dichlorobenzene	ND		0.00709	1	01/17/2024 15:12	WG2208152
1,4-Dichlorobenzene	ND		0.00709	1	01/17/2024 15:12	WG2208152
Dichlorodifluoromethane	ND		0.00709	1	01/17/2024 15:12	WG2208152
1,1-Dichloroethane	ND		0.00355	1	01/17/2024 15:12	WG2208152
1,2-Dichloroethane	ND		0.00355	1	01/17/2024 15:12	WG2208152
1,1-Dichloroethene	ND		0.00355	1	01/17/2024 15:12	WG2208152
cis-1,2-Dichloroethene	ND		0.00355	1	01/17/2024 15:12	WG2208152
trans-1,2-Dichloroethene	ND		0.00709	1	01/17/2024 15:12	WG2208152
1,2-Dichloropropane	ND		0.00709	1	01/17/2024 15:12	WG2208152
1,1-Dichloropropene	ND		0.00355	1	01/17/2024 15:12	WG2208152
1,3-Dichloropropane	ND		0.00709	1	01/17/2024 15:12	WG2208152
cis-1,3-Dichloropropene	ND		0.00355	1	01/17/2024 15:12	WG2208152
trans-1,3-Dichloropropene	ND		0.00709	1	01/17/2024 15:12	WG2208152
2,2-Dichloropropane	ND		0.00355	1	01/17/2024 15:12	WG2208152
Di-isopropyl ether	ND		0.00142	1	01/17/2024 15:12	WG2208152
Ethylbenzene	ND		0.00355	1	01/17/2024 15:12	WG2208152
Hexachloro-1,3-butadiene	ND		0.0355	1	01/17/2024 15:12	WG2208152
Isopropylbenzene	ND		0.00355	1	01/17/2024 15:12	WG2208152
p-Isopropyltoluene	ND		0.00709	1	01/17/2024 15:12	WG2208152
2-Butanone (MEK)	ND		0.142	1	01/17/2024 15:12	WG2208152
Methylene Chloride	ND		0.0355	1	01/17/2024 15:12	WG2208152
4-Methyl-2-pentanone (MIBK)	ND		0.0355	1	01/17/2024 15:12	WG2208152
Methyl tert-butyl ether	ND		0.00142	1	01/17/2024 15:12	WG2208152
Naphthalene	ND		0.0177	1	01/17/2024 15:12	WG2208152
n-Propylbenzene	ND		0.00709	1	01/17/2024 15:12	WG2208152
Styrene	ND		0.0177	1	01/17/2024 15:12	WG2208152
1,1,1,2-Tetrachloroethane	ND		0.00355	1	01/17/2024 15:12	WG2208152
1,1,2,2-Tetrachloroethane	ND		0.00355	1	01/17/2024 15:12	WG2208152
Tetrachloroethene	ND		0.00355	1	01/17/2024 15:12	WG2208152
Toluene	ND		0.00709	1	01/17/2024 15:12	WG2208152
1,2,3-Trichlorobenzene	ND		0.0177	1	01/17/2024 15:12	WG2208152
1,2,4-Trichlorobenzene	ND		0.0177	1	01/17/2024 15:12	WG2208152
1,1,1-Trichloroethane	ND		0.00355	1	01/17/2024 15:12	WG2208152
1,1,2-Trichloroethane	ND		0.00355	1	01/17/2024 15:12	WG2208152
Trichloroethene	ND		0.00142	1	01/17/2024 15:12	WG2208152
Trichlorofluoromethane	ND		0.00355	1	01/17/2024 15:12	WG2208152
1,2,3-Trichloropropane	ND		0.0177	1	01/17/2024 15:12	WG2208152
1,2,4-Trimethylbenzene	ND		0.00709	1	01/17/2024 15:12	WG2208152
1,3,5-Trimethylbenzene	ND		0.00709	1	01/17/2024 15:12	WG2208152
Vinyl chloride	ND		0.00355	1	01/17/2024 15:12	WG2208152
Xylenes, Total	ND		0.00922	1	01/17/2024 15:12	WG2208152
(S) Toluene-d8	101		75.0-131		01/17/2024 15:12	WG2208152
(S) 4-Bromofluorobenzene	105		67.0-138		01/17/2024 15:12	WG2208152
(S) 1,2-Dichloroethane-d4	93.2		70.0-130		01/17/2024 15:12	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0398	1	01/19/2024 19:47	WG2208465
Acenaphthylene	ND		0.0398	1	01/19/2024 19:47	WG2208465
Anthracene	ND		0.0398	1	01/19/2024 19:47	WG2208465
Benzidine	ND		2.00	1	01/19/2024 19:47	WG2208465
Benzo(a)anthracene	ND		0.0398	1	01/19/2024 19:47	WG2208465

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0421		0.0398	1	01/19/2024 19:47	WG2208465
Benzo(k)fluoranthene	ND		0.0398	1	01/19/2024 19:47	WG2208465
Benzo(g,h,i)perylene	ND		0.0398	1	01/19/2024 19:47	WG2208465
Benzo(a)pyrene	ND		0.0398	1	01/19/2024 19:47	WG2208465
Bis(2-chloroethoxy)methane	ND		0.398	1	01/19/2024 19:47	WG2208465
Bis(2-chloroethyl)ether	ND		0.398	1	01/19/2024 19:47	WG2208465
2,2-Oxybis(1-Chloropropane)	ND		0.398	1	01/19/2024 19:47	WG2208465
4-Bromophenyl-phenylether	ND		0.398	1	01/19/2024 19:47	WG2208465
2-Chloronaphthalene	ND		0.0398	1	01/19/2024 19:47	WG2208465
4-Chlorophenyl-phenylether	ND		0.398	1	01/19/2024 19:47	WG2208465
Chrysene	ND		0.0398	1	01/19/2024 19:47	WG2208465
Dibenz(a,h)anthracene	ND		0.0398	1	01/19/2024 19:47	WG2208465
3,3-Dichlorobenzidine	ND		0.398	1	01/19/2024 19:47	WG2208465
2,4-Dinitrotoluene	ND		0.398	1	01/19/2024 19:47	WG2208465
2,6-Dinitrotoluene	ND		0.398	1	01/19/2024 19:47	WG2208465
Fluoranthene	0.0621		0.0398	1	01/19/2024 19:47	WG2208465
Fluorene	ND		0.0398	1	01/19/2024 19:47	WG2208465
Hexachlorobenzene	ND		0.398	1	01/19/2024 19:47	WG2208465
Hexachloro-1,3-butadiene	ND		0.398	1	01/19/2024 19:47	WG2208465
Hexachlorocyclopentadiene	ND		0.398	1	01/19/2024 19:47	WG2208465
Hexachloroethane	ND		0.398	1	01/19/2024 19:47	WG2208465
Indeno(1,2,3-cd)pyrene	ND		0.0398	1	01/19/2024 19:47	WG2208465
Isophorone	ND		0.398	1	01/19/2024 19:47	WG2208465
Naphthalene	ND		0.0398	1	01/19/2024 19:47	WG2208465
Nitrobenzene	ND		0.398	1	01/19/2024 19:47	WG2208465
n-Nitrosodimethylamine	ND		0.398	1	01/19/2024 19:47	WG2208465
n-Nitrosodiphenylamine	ND		0.398	1	01/19/2024 19:47	WG2208465
n-Nitrosodi-n-propylamine	ND		0.398	1	01/19/2024 19:47	WG2208465
Phenanthrene	ND		0.0398	1	01/19/2024 19:47	WG2208465
Benzylbutyl phthalate	ND		0.398	1	01/19/2024 19:47	WG2208465
Bis(2-ethylhexyl)phthalate	ND		0.398	1	01/19/2024 19:47	WG2208465
Di-n-butyl phthalate	ND		0.398	1	01/19/2024 19:47	WG2208465
Diethyl phthalate	ND		0.398	1	01/19/2024 19:47	WG2208465
Dimethyl phthalate	ND		0.398	1	01/19/2024 19:47	WG2208465
Di-n-octyl phthalate	ND		0.398	1	01/19/2024 19:47	WG2208465
Pyrene	0.0549		0.0398	1	01/19/2024 19:47	WG2208465
1,2,4-Trichlorobenzene	ND		0.398	1	01/19/2024 19:47	WG2208465
4-Chloro-3-methylphenol	ND		0.398	1	01/19/2024 19:47	WG2208465
2-Chlorophenol	ND		0.398	1	01/19/2024 19:47	WG2208465
2,4-Dichlorophenol	ND		0.398	1	01/19/2024 19:47	WG2208465
2,4-Dimethylphenol	ND		0.398	1	01/19/2024 19:47	WG2208465
4,6-Dinitro-2-methylphenol	ND		0.398	1	01/19/2024 19:47	WG2208465
2,4-Dinitrophenol	ND		0.398	1	01/19/2024 19:47	WG2208465
2-Nitrophenol	ND		0.398	1	01/19/2024 19:47	WG2208465
4-Nitrophenol	ND		0.398	1	01/19/2024 19:47	WG2208465
Pentachlorophenol	ND		0.398	1	01/19/2024 19:47	WG2208465
Phenol	ND		0.398	1	01/19/2024 19:47	WG2208465
2,4,6-Trichlorophenol	ND		0.398	1	01/19/2024 19:47	WG2208465
(S) 2-Fluorophenol	46.2		12.0-120		01/19/2024 19:47	WG2208465
(S) Phenol-d5	44.0		10.0-120		01/19/2024 19:47	WG2208465
(S) Nitrobenzene-d5	36.8		10.0-122		01/19/2024 19:47	WG2208465
(S) 2-Fluorobiphenyl	42.1		15.0-120		01/19/2024 19:47	WG2208465
(S) 2,4,6-Tribromophenol	46.9		10.0-127		01/19/2024 19:47	WG2208465
(S) p-Terphenyl-d14	45.9		10.0-120		01/19/2024 19:47	WG2208465

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.8		1	01/18/2024 06:25	WG2208489

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.27	1	01/24/2024 15:05	WG2209348

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0508	1	01/18/2024 13:37	WG2208331

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.81	5	01/24/2024 17:05	WG2208838
Arsenic	1.27		1.27	5	01/24/2024 17:05	WG2208838
Barium	40.5		3.17	5	01/24/2024 17:05	WG2208838
Beryllium	ND		3.17	5	01/24/2024 17:05	WG2208838
Cadmium	ND		1.27	5	01/24/2024 17:05	WG2208838
Chromium	16.4		6.35	5	01/24/2024 17:05	WG2208838
Cobalt	6.85		1.27	5	01/24/2024 17:05	WG2208838
Copper	12.5		6.35	5	01/24/2024 17:05	WG2208838
Lead	13.8		2.54	5	01/24/2024 17:05	WG2208838
Manganese	305		3.17	5	01/24/2024 17:05	WG2208838
Nickel	10.6		3.17	5	01/24/2024 17:05	WG2208838
Selenium	ND		3.17	5	01/24/2024 17:05	WG2208838
Silver	ND		0.635	5	01/24/2024 17:05	WG2208838
Thallium	ND		2.54	5	01/24/2024 17:05	WG2208838
Vanadium	21.4		3.17	5	01/24/2024 17:05	WG2208838
Zinc	39.4		31.7	5	01/24/2024 17:05	WG2208838

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0820	1.08	01/17/2024 15:31	WG2208152
Acrylonitrile	ND		0.0205	1.08	01/17/2024 15:31	WG2208152
Benzene	ND		0.00164	1.08	01/17/2024 15:31	WG2208152
Bromobenzene	ND		0.0205	1.08	01/17/2024 15:31	WG2208152
Bromodichloromethane	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
Bromoform	ND		0.0410	1.08	01/17/2024 15:31	WG2208152
Bromomethane	ND		0.0205	1.08	01/17/2024 15:31	WG2208152
n-Butylbenzene	ND		0.0205	1.08	01/17/2024 15:31	WG2208152
sec-Butylbenzene	ND		0.0205	1.08	01/17/2024 15:31	WG2208152
tert-Butylbenzene	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
Carbon tetrachloride	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
Chlorobenzene	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
Chlorodibromomethane	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
Chloroethane	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
Chloroform	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
Chloromethane	ND		0.0205	1.08	01/17/2024 15:31	WG2208152
2-Chlorotoluene	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
4-Chlorotoluene	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
1,2-Dibromo-3-Chloropropane	ND		0.0410	1.08	01/17/2024 15:31	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
Dibromomethane	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
1,2-Dichlorobenzene	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
1,3-Dichlorobenzene	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
1,4-Dichlorobenzene	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
Dichlorodifluoromethane	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
1,1-Dichloroethane	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
1,2-Dichloroethane	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
1,1-Dichloroethene	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
cis-1,2-Dichloroethene	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
trans-1,2-Dichloroethene	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
1,2-Dichloropropane	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
1,1-Dichloropropene	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
1,3-Dichloropropane	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
cis-1,3-Dichloropropene	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
trans-1,3-Dichloropropene	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
2,2-Dichloropropane	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
Di-isopropyl ether	ND		0.00164	1.08	01/17/2024 15:31	WG2208152
Ethylbenzene	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
Hexachloro-1,3-butadiene	ND		0.0410	1.08	01/17/2024 15:31	WG2208152
Isopropylbenzene	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
p-Isopropyltoluene	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
2-Butanone (MEK)	ND		0.164	1.08	01/17/2024 15:31	WG2208152
Methylene Chloride	ND		0.0410	1.08	01/17/2024 15:31	WG2208152
4-Methyl-2-pentanone (MIBK)	ND		0.0410	1.08	01/17/2024 15:31	WG2208152
Methyl tert-butyl ether	ND		0.00164	1.08	01/17/2024 15:31	WG2208152
Naphthalene	ND		0.0205	1.08	01/17/2024 15:31	WG2208152
n-Propylbenzene	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
Styrene	ND		0.0205	1.08	01/17/2024 15:31	WG2208152
1,1,1,2-Tetrachloroethane	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
1,1,2,2-Tetrachloroethane	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
Tetrachloroethene	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
Toluene	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
1,2,3-Trichlorobenzene	ND		0.0205	1.08	01/17/2024 15:31	WG2208152
1,2,4-Trichlorobenzene	ND		0.0205	1.08	01/17/2024 15:31	WG2208152
1,1,1-Trichloroethane	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
1,1,2-Trichloroethane	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
Trichloroethene	ND		0.00164	1.08	01/17/2024 15:31	WG2208152
Trichlorofluoromethane	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
1,2,3-Trichloropropane	ND		0.0205	1.08	01/17/2024 15:31	WG2208152
1,2,4-Trimethylbenzene	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
1,3,5-Trimethylbenzene	ND		0.00820	1.08	01/17/2024 15:31	WG2208152
Vinyl chloride	ND		0.00410	1.08	01/17/2024 15:31	WG2208152
Xylenes, Total	ND		0.0107	1.08	01/17/2024 15:31	WG2208152
(S) Toluene-d8	99.1		75.0-131		01/17/2024 15:31	WG2208152
(S) 4-Bromofluorobenzene	103		67.0-138		01/17/2024 15:31	WG2208152
(S) 1,2-Dichloroethane-d4	95.4		70.0-130		01/17/2024 15:31	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0423	1	01/19/2024 22:31	WG2208465
Acenaphthylene	ND		0.0423	1	01/19/2024 22:31	WG2208465
Anthracene	ND		0.0423	1	01/19/2024 22:31	WG2208465
Benzidine	ND		2.12	1	01/19/2024 22:31	WG2208465
Benzo(a)anthracene	0.109		0.0423	1	01/19/2024 22:31	WG2208465

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.211		0.0423	1	01/19/2024 22:31	WG2208465
Benzo(k)fluoranthene	0.0617		0.0423	1	01/19/2024 22:31	WG2208465
Benzo(g,h,i)perylene	0.0954		0.0423	1	01/19/2024 22:31	WG2208465
Benzo(a)pyrene	0.127		0.0423	1	01/19/2024 22:31	WG2208465
Bis(2-chloroethoxy)methane	ND		0.423	1	01/19/2024 22:31	WG2208465
Bis(2-chloroethyl)ether	ND		0.423	1	01/19/2024 22:31	WG2208465
2,2-Oxybis(1-Chloropropane)	ND		0.423	1	01/19/2024 22:31	WG2208465
4-Bromophenyl-phenylether	ND		0.423	1	01/19/2024 22:31	WG2208465
2-Chloronaphthalene	ND		0.0423	1	01/19/2024 22:31	WG2208465
4-Chlorophenyl-phenylether	ND		0.423	1	01/19/2024 22:31	WG2208465
Chrysene	0.114		0.0423	1	01/19/2024 22:31	WG2208465
Dibenz(a,h)anthracene	ND		0.0423	1	01/19/2024 22:31	WG2208465
3,3-Dichlorobenzidine	ND		0.423	1	01/19/2024 22:31	WG2208465
2,4-Dinitrotoluene	ND		0.423	1	01/19/2024 22:31	WG2208465
2,6-Dinitrotoluene	ND		0.423	1	01/19/2024 22:31	WG2208465
Fluoranthene	0.268		0.0423	1	01/19/2024 22:31	WG2208465
Fluorene	ND		0.0423	1	01/19/2024 22:31	WG2208465
Hexachlorobenzene	ND		0.423	1	01/19/2024 22:31	WG2208465
Hexachloro-1,3-butadiene	ND		0.423	1	01/19/2024 22:31	WG2208465
Hexachlorocyclopentadiene	ND		0.423	1	01/19/2024 22:31	WG2208465
Hexachloroethane	ND		0.423	1	01/19/2024 22:31	WG2208465
Indeno(1,2,3-cd)pyrene	0.102		0.0423	1	01/19/2024 22:31	WG2208465
Isophorone	ND		0.423	1	01/19/2024 22:31	WG2208465
Naphthalene	ND		0.0423	1	01/19/2024 22:31	WG2208465
Nitrobenzene	ND		0.423	1	01/19/2024 22:31	WG2208465
n-Nitrosodimethylamine	ND		0.423	1	01/19/2024 22:31	WG2208465
n-Nitrosodiphenylamine	ND		0.423	1	01/19/2024 22:31	WG2208465
n-Nitrosodi-n-propylamine	ND		0.423	1	01/19/2024 22:31	WG2208465
Phenanthrene	0.108		0.0423	1	01/19/2024 22:31	WG2208465
Benzylbutyl phthalate	ND		0.423	1	01/19/2024 22:31	WG2208465
Bis(2-ethylhexyl)phthalate	ND		0.423	1	01/19/2024 22:31	WG2208465
Di-n-butyl phthalate	ND		0.423	1	01/19/2024 22:31	WG2208465
Diethyl phthalate	ND		0.423	1	01/19/2024 22:31	WG2208465
Dimethyl phthalate	ND		0.423	1	01/19/2024 22:31	WG2208465
Di-n-octyl phthalate	ND		0.423	1	01/19/2024 22:31	WG2208465
Pyrene	0.231		0.0423	1	01/19/2024 22:31	WG2208465
1,2,4-Trichlorobenzene	ND		0.423	1	01/19/2024 22:31	WG2208465
4-Chloro-3-methylphenol	ND		0.423	1	01/19/2024 22:31	WG2208465
2-Chlorophenol	ND		0.423	1	01/19/2024 22:31	WG2208465
2,4-Dichlorophenol	ND		0.423	1	01/19/2024 22:31	WG2208465
2,4-Dimethylphenol	ND		0.423	1	01/19/2024 22:31	WG2208465
4,6-Dinitro-2-methylphenol	ND		0.423	1	01/19/2024 22:31	WG2208465
2,4-Dinitrophenol	ND		0.423	1	01/19/2024 22:31	WG2208465
2-Nitrophenol	ND		0.423	1	01/19/2024 22:31	WG2208465
4-Nitrophenol	ND		0.423	1	01/19/2024 22:31	WG2208465
Pentachlorophenol	ND		0.423	1	01/19/2024 22:31	WG2208465
Phenol	ND		0.423	1	01/19/2024 22:31	WG2208465
2,4,6-Trichlorophenol	ND		0.423	1	01/19/2024 22:31	WG2208465
(S) 2-Fluorophenol	48.2		12.0-120		01/19/2024 22:31	WG2208465
(S) Phenol-d5	46.5		10.0-120		01/19/2024 22:31	WG2208465
(S) Nitrobenzene-d5	38.3		10.0-122		01/19/2024 22:31	WG2208465
(S) 2-Fluorobiphenyl	40.6		15.0-120		01/19/2024 22:31	WG2208465
(S) 2,4,6-Tribromophenol	46.5		10.0-127		01/19/2024 22:31	WG2208465
(S) p-Terphenyl-d14	43.5		10.0-120		01/19/2024 22:31	WG2208465

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.7		1	01/18/2024 06:25	WG2208489

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.24	1	01/24/2024 15:11	WG2209348

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.217		0.0496	1	01/18/2024 13:40	WG2208331

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.72	5	01/24/2024 17:09	WG2208838
Arsenic	2.22		1.24	5	01/24/2024 17:09	WG2208838
Barium	68.7		3.10	5	01/24/2024 17:09	WG2208838
Beryllium	ND		3.10	5	01/24/2024 17:09	WG2208838
Cadmium	ND		1.24	5	01/24/2024 17:09	WG2208838
Chromium	27.1		6.19	5	01/24/2024 17:09	WG2208838
Cobalt	9.61		1.24	5	01/24/2024 17:09	WG2208838
Copper	13.7		6.19	5	01/24/2024 17:09	WG2208838
Lead	57.4		2.48	5	01/24/2024 17:09	WG2208838
Manganese	366		3.10	5	01/24/2024 17:09	WG2208838
Nickel	13.6		3.10	5	01/24/2024 17:09	WG2208838
Selenium	ND		3.10	5	01/24/2024 17:09	WG2208838
Silver	ND		0.619	5	01/24/2024 17:09	WG2208838
Thallium	ND		2.48	5	01/24/2024 17:09	WG2208838
Vanadium	34.0		3.10	5	01/24/2024 17:09	WG2208838
Zinc	38.9		31.0	5	01/24/2024 17:09	WG2208838

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0739	1	01/17/2024 15:50	WG2208152
Acrylonitrile	ND		0.0185	1	01/17/2024 15:50	WG2208152
Benzene	ND		0.00148	1	01/17/2024 15:50	WG2208152
Bromobenzene	ND		0.0185	1	01/17/2024 15:50	WG2208152
Bromodichloromethane	ND		0.00369	1	01/17/2024 15:50	WG2208152
Bromoform	ND		0.0369	1	01/17/2024 15:50	WG2208152
Bromomethane	ND		0.0185	1	01/17/2024 15:50	WG2208152
n-Butylbenzene	ND		0.0185	1	01/17/2024 15:50	WG2208152
sec-Butylbenzene	ND		0.0185	1	01/17/2024 15:50	WG2208152
tert-Butylbenzene	ND		0.00739	1	01/17/2024 15:50	WG2208152
Carbon tetrachloride	ND		0.00739	1	01/17/2024 15:50	WG2208152
Chlorobenzene	ND		0.00369	1	01/17/2024 15:50	WG2208152
Chlorodibromomethane	ND		0.00369	1	01/17/2024 15:50	WG2208152
Chloroethane	ND		0.00739	1	01/17/2024 15:50	WG2208152
Chloroform	ND		0.00369	1	01/17/2024 15:50	WG2208152
Chloromethane	ND		0.0185	1	01/17/2024 15:50	WG2208152
2-Chlorotoluene	ND		0.00369	1	01/17/2024 15:50	WG2208152
4-Chlorotoluene	ND		0.00739	1	01/17/2024 15:50	WG2208152
1,2-Dibromo-3-Chloropropane	ND		0.0369	1	01/17/2024 15:50	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00369	1	01/17/2024 15:50	WG2208152
Dibromomethane	ND		0.00739	1	01/17/2024 15:50	WG2208152
1,2-Dichlorobenzene	ND		0.00739	1	01/17/2024 15:50	WG2208152
1,3-Dichlorobenzene	ND		0.00739	1	01/17/2024 15:50	WG2208152
1,4-Dichlorobenzene	ND		0.00739	1	01/17/2024 15:50	WG2208152
Dichlorodifluoromethane	ND		0.00739	1	01/17/2024 15:50	WG2208152
1,1-Dichloroethane	ND		0.00369	1	01/17/2024 15:50	WG2208152
1,2-Dichloroethane	ND		0.00369	1	01/17/2024 15:50	WG2208152
1,1-Dichloroethene	ND		0.00369	1	01/17/2024 15:50	WG2208152
cis-1,2-Dichloroethene	ND		0.00369	1	01/17/2024 15:50	WG2208152
trans-1,2-Dichloroethene	ND		0.00739	1	01/17/2024 15:50	WG2208152
1,2-Dichloropropane	ND		0.00739	1	01/17/2024 15:50	WG2208152
1,1-Dichloropropene	ND		0.00369	1	01/17/2024 15:50	WG2208152
1,3-Dichloropropane	ND		0.00739	1	01/17/2024 15:50	WG2208152
cis-1,3-Dichloropropene	ND		0.00369	1	01/17/2024 15:50	WG2208152
trans-1,3-Dichloropropene	ND		0.00739	1	01/17/2024 15:50	WG2208152
2,2-Dichloropropane	ND		0.00369	1	01/17/2024 15:50	WG2208152
Di-isopropyl ether	ND		0.00148	1	01/17/2024 15:50	WG2208152
Ethylbenzene	ND		0.00369	1	01/17/2024 15:50	WG2208152
Hexachloro-1,3-butadiene	ND		0.0369	1	01/17/2024 15:50	WG2208152
Isopropylbenzene	ND		0.00369	1	01/17/2024 15:50	WG2208152
p-Isopropyltoluene	ND		0.00739	1	01/17/2024 15:50	WG2208152
2-Butanone (MEK)	ND		0.148	1	01/17/2024 15:50	WG2208152
Methylene Chloride	ND		0.0369	1	01/17/2024 15:50	WG2208152
4-Methyl-2-pentanone (MIBK)	ND		0.0369	1	01/17/2024 15:50	WG2208152
Methyl tert-butyl ether	ND		0.00148	1	01/17/2024 15:50	WG2208152
Naphthalene	ND		0.0185	1	01/17/2024 15:50	WG2208152
n-Propylbenzene	ND		0.00739	1	01/17/2024 15:50	WG2208152
Styrene	ND		0.0185	1	01/17/2024 15:50	WG2208152
1,1,1,2-Tetrachloroethane	ND		0.00369	1	01/17/2024 15:50	WG2208152
1,1,2,2-Tetrachloroethane	ND		0.00369	1	01/17/2024 15:50	WG2208152
Tetrachloroethene	ND		0.00369	1	01/17/2024 15:50	WG2208152
Toluene	ND		0.00739	1	01/17/2024 15:50	WG2208152
1,2,3-Trichlorobenzene	ND		0.0185	1	01/17/2024 15:50	WG2208152
1,2,4-Trichlorobenzene	ND		0.0185	1	01/17/2024 15:50	WG2208152
1,1,1-Trichloroethane	ND		0.00369	1	01/17/2024 15:50	WG2208152
1,1,2-Trichloroethane	ND		0.00369	1	01/17/2024 15:50	WG2208152
Trichloroethene	ND		0.00148	1	01/17/2024 15:50	WG2208152
Trichlorofluoromethane	ND		0.00369	1	01/17/2024 15:50	WG2208152
1,2,3-Trichloropropane	ND		0.0185	1	01/17/2024 15:50	WG2208152
1,2,4-Trimethylbenzene	ND		0.00739	1	01/17/2024 15:50	WG2208152
1,3,5-Trimethylbenzene	ND		0.00739	1	01/17/2024 15:50	WG2208152
Vinyl chloride	ND		0.00369	1	01/17/2024 15:50	WG2208152
Xylenes, Total	ND		0.00960	1	01/17/2024 15:50	WG2208152
(S) Toluene-d8	99.7		75.0-131		01/17/2024 15:50	WG2208152
(S) 4-Bromofluorobenzene	101		67.0-138		01/17/2024 15:50	WG2208152
(S) 1,2-Dichloroethane-d4	92.1		70.0-130		01/17/2024 15:50	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0825	2	01/20/2024 19:46	WG2208465
Acenaphthylene	ND		0.0825	2	01/20/2024 19:46	WG2208465
Anthracene	ND		0.0825	2	01/20/2024 19:46	WG2208465
Benzidine	ND		4.14	2	01/20/2024 19:46	WG2208465
Benzo(a)anthracene	ND		0.0825	2	01/20/2024 19:46	WG2208465

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.112		0.0825	2	01/20/2024 19:46	WG2208465
Benzo(k)fluoranthene	ND		0.0825	2	01/20/2024 19:46	WG2208465
Benzo(g,h,i)perylene	ND		0.0825	2	01/20/2024 19:46	WG2208465
Benzo(a)pyrene	ND		0.0825	2	01/20/2024 19:46	WG2208465
Bis(2-chloroethoxy)methane	ND		0.825	2	01/20/2024 19:46	WG2208465
Bis(2-chloroethyl)ether	ND		0.825	2	01/20/2024 19:46	WG2208465
2,2-Oxybis(1-Chloropropane)	ND		0.825	2	01/20/2024 19:46	WG2208465
4-Bromophenyl-phenylether	ND		0.825	2	01/20/2024 19:46	WG2208465
2-Chloronaphthalene	ND		0.0825	2	01/20/2024 19:46	WG2208465
4-Chlorophenyl-phenylether	ND		0.825	2	01/20/2024 19:46	WG2208465
Chrysene	ND		0.0825	2	01/20/2024 19:46	WG2208465
Dibenz(a,h)anthracene	ND		0.0825	2	01/20/2024 19:46	WG2208465
3,3-Dichlorobenzidine	ND		0.825	2	01/20/2024 19:46	WG2208465
2,4-Dinitrotoluene	ND		0.825	2	01/20/2024 19:46	WG2208465
2,6-Dinitrotoluene	ND		0.825	2	01/20/2024 19:46	WG2208465
Fluoranthene	0.118		0.0825	2	01/20/2024 19:46	WG2208465
Fluorene	ND		0.0825	2	01/20/2024 19:46	WG2208465
Hexachlorobenzene	ND		0.825	2	01/20/2024 19:46	WG2208465
Hexachloro-1,3-butadiene	ND		0.825	2	01/20/2024 19:46	WG2208465
Hexachlorocyclopentadiene	ND		0.825	2	01/20/2024 19:46	WG2208465
Hexachloroethane	ND		0.825	2	01/20/2024 19:46	WG2208465
Indeno(1,2,3-cd)pyrene	ND		0.0825	2	01/20/2024 19:46	WG2208465
Isophorone	ND		0.825	2	01/20/2024 19:46	WG2208465
Naphthalene	ND		0.0825	2	01/20/2024 19:46	WG2208465
Nitrobenzene	ND		0.825	2	01/20/2024 19:46	WG2208465
n-Nitrosodimethylamine	ND		0.825	2	01/20/2024 19:46	WG2208465
n-Nitrosodiphenylamine	ND		0.825	2	01/20/2024 19:46	WG2208465
n-Nitrosodi-n-propylamine	ND		0.825	2	01/20/2024 19:46	WG2208465
Phenanthrene	0.113		0.0825	2	01/20/2024 19:46	WG2208465
Benzylbutyl phthalate	ND		0.825	2	01/20/2024 19:46	WG2208465
Bis(2-ethylhexyl)phthalate	ND		0.825	2	01/20/2024 19:46	WG2208465
Di-n-butyl phthalate	ND		0.825	2	01/20/2024 19:46	WG2208465
Diethyl phthalate	ND		0.825	2	01/20/2024 19:46	WG2208465
Dimethyl phthalate	ND		0.825	2	01/20/2024 19:46	WG2208465
Di-n-octyl phthalate	ND		0.825	2	01/20/2024 19:46	WG2208465
Pyrene	0.135		0.0825	2	01/20/2024 19:46	WG2208465
1,2,4-Trichlorobenzene	ND		0.825	2	01/20/2024 19:46	WG2208465
4-Chloro-3-methylphenol	ND		0.825	2	01/20/2024 19:46	WG2208465
2-Chlorophenol	ND		0.825	2	01/20/2024 19:46	WG2208465
2,4-Dichlorophenol	ND		0.825	2	01/20/2024 19:46	WG2208465
2,4-Dimethylphenol	ND		0.825	2	01/20/2024 19:46	WG2208465
4,6-Dinitro-2-methylphenol	ND		0.825	2	01/20/2024 19:46	WG2208465
2,4-Dinitrophenol	ND		0.825	2	01/20/2024 19:46	WG2208465
2-Nitrophenol	ND		0.825	2	01/20/2024 19:46	WG2208465
4-Nitrophenol	ND		0.825	2	01/20/2024 19:46	WG2208465
Pentachlorophenol	ND		0.825	2	01/20/2024 19:46	WG2208465
Phenol	ND		0.825	2	01/20/2024 19:46	WG2208465
2,4,6-Trichlorophenol	ND		0.825	2	01/20/2024 19:46	WG2208465
(S) 2-Fluorophenol	53.3		12.0-120		01/20/2024 19:46	WG2208465
(S) Phenol-d5	50.3		10.0-120		01/20/2024 19:46	WG2208465
(S) Nitrobenzene-d5	41.9		10.0-122		01/20/2024 19:46	WG2208465
(S) 2-Fluorobiphenyl	50.6		15.0-120		01/20/2024 19:46	WG2208465
(S) 2,4,6-Tribromophenol	62.3		10.0-127		01/20/2024 19:46	WG2208465
(S) p-Terphenyl-d14	56.6		10.0-120		01/20/2024 19:46	WG2208465

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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L1696432-03 WG2208465: Dilution due to matrix impact during extract concentration procedure.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.3		1	01/18/2024 06:25	WG2208489

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.83		1.26	1	01/24/2024 17:08	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0726		0.0505	1	01/18/2024 13:42	WG2208331

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.78	5	01/24/2024 17:23	WG2208838
Arsenic	3.21		1.26	5	01/24/2024 17:23	WG2208838
Barium	112		3.15	5	01/24/2024 17:23	WG2208838
Beryllium	ND		3.15	5	01/24/2024 17:23	WG2208838
Cadmium	ND		1.26	5	01/24/2024 17:23	WG2208838
Chromium	33.3		6.31	5	01/24/2024 17:23	WG2208838
Cobalt	9.36		1.26	5	01/24/2024 17:23	WG2208838
Copper	16.7		6.31	5	01/24/2024 17:23	WG2208838
Lead	32.0		2.52	5	01/24/2024 17:23	WG2208838
Manganese	394		3.15	5	01/24/2024 17:23	WG2208838
Nickel	18.7		3.15	5	01/24/2024 17:23	WG2208838
Selenium	ND		3.15	5	01/24/2024 17:23	WG2208838
Silver	ND		0.631	5	01/24/2024 17:23	WG2208838
Thallium	ND		2.52	5	01/24/2024 17:23	WG2208838
Vanadium	47.2		3.15	5	01/24/2024 17:23	WG2208838
Zinc	45.4		31.5	5	01/24/2024 17:23	WG2208838

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0779	1	01/17/2024 16:09	WG2208152
Acrylonitrile	ND		0.0195	1	01/17/2024 16:09	WG2208152
Benzene	ND		0.00156	1	01/17/2024 16:09	WG2208152
Bromobenzene	ND		0.0195	1	01/17/2024 16:09	WG2208152
Bromodichloromethane	ND		0.00389	1	01/17/2024 16:09	WG2208152
Bromoform	ND		0.0389	1	01/17/2024 16:09	WG2208152
Bromomethane	ND		0.0195	1	01/17/2024 16:09	WG2208152
n-Butylbenzene	ND		0.0195	1	01/17/2024 16:09	WG2208152
sec-Butylbenzene	ND		0.0195	1	01/17/2024 16:09	WG2208152
tert-Butylbenzene	ND		0.00779	1	01/17/2024 16:09	WG2208152
Carbon tetrachloride	ND		0.00779	1	01/17/2024 16:09	WG2208152
Chlorobenzene	ND		0.00389	1	01/17/2024 16:09	WG2208152
Chlorodibromomethane	ND		0.00389	1	01/17/2024 16:09	WG2208152
Chloroethane	ND		0.00779	1	01/17/2024 16:09	WG2208152
Chloroform	ND		0.00389	1	01/17/2024 16:09	WG2208152
Chloromethane	ND		0.0195	1	01/17/2024 16:09	WG2208152
2-Chlorotoluene	ND		0.00389	1	01/17/2024 16:09	WG2208152
4-Chlorotoluene	ND		0.00779	1	01/17/2024 16:09	WG2208152
1,2-Dibromo-3-Chloropropane	ND		0.0389	1	01/17/2024 16:09	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00389	1	01/17/2024 16:09	WG2208152
Dibromomethane	ND		0.00779	1	01/17/2024 16:09	WG2208152
1,2-Dichlorobenzene	ND		0.00779	1	01/17/2024 16:09	WG2208152
1,3-Dichlorobenzene	ND		0.00779	1	01/17/2024 16:09	WG2208152
1,4-Dichlorobenzene	ND		0.00779	1	01/17/2024 16:09	WG2208152
Dichlorodifluoromethane	ND		0.00779	1	01/17/2024 16:09	WG2208152
1,1-Dichloroethane	ND		0.00389	1	01/17/2024 16:09	WG2208152
1,2-Dichloroethane	ND		0.00389	1	01/17/2024 16:09	WG2208152
1,1-Dichloroethene	ND		0.00389	1	01/17/2024 16:09	WG2208152
cis-1,2-Dichloroethene	ND		0.00389	1	01/17/2024 16:09	WG2208152
trans-1,2-Dichloroethene	ND		0.00779	1	01/17/2024 16:09	WG2208152
1,2-Dichloropropane	ND		0.00779	1	01/17/2024 16:09	WG2208152
1,1-Dichloropropene	ND		0.00389	1	01/17/2024 16:09	WG2208152
1,3-Dichloropropane	ND		0.00779	1	01/17/2024 16:09	WG2208152
cis-1,3-Dichloropropene	ND		0.00389	1	01/17/2024 16:09	WG2208152
trans-1,3-Dichloropropene	ND		0.00779	1	01/17/2024 16:09	WG2208152
2,2-Dichloropropane	ND		0.00389	1	01/17/2024 16:09	WG2208152
Di-isopropyl ether	ND		0.00156	1	01/17/2024 16:09	WG2208152
Ethylbenzene	ND		0.00389	1	01/17/2024 16:09	WG2208152
Hexachloro-1,3-butadiene	ND		0.0389	1	01/17/2024 16:09	WG2208152
Isopropylbenzene	ND		0.00389	1	01/17/2024 16:09	WG2208152
p-Isopropyltoluene	ND		0.00779	1	01/17/2024 16:09	WG2208152
2-Butanone (MEK)	ND		0.156	1	01/17/2024 16:09	WG2208152
Methylene Chloride	ND		0.0389	1	01/17/2024 16:09	WG2208152
4-Methyl-2-pentanone (MIBK)	ND		0.0389	1	01/17/2024 16:09	WG2208152
Methyl tert-butyl ether	ND		0.00156	1	01/17/2024 16:09	WG2208152
Naphthalene	ND		0.0195	1	01/17/2024 16:09	WG2208152
n-Propylbenzene	ND		0.00779	1	01/17/2024 16:09	WG2208152
Styrene	ND		0.0195	1	01/17/2024 16:09	WG2208152
1,1,1,2-Tetrachloroethane	ND		0.00389	1	01/17/2024 16:09	WG2208152
1,1,2,2-Tetrachloroethane	ND		0.00389	1	01/17/2024 16:09	WG2208152
Tetrachloroethene	ND		0.00389	1	01/17/2024 16:09	WG2208152
Toluene	ND		0.00779	1	01/17/2024 16:09	WG2208152
1,2,3-Trichlorobenzene	ND		0.0195	1	01/17/2024 16:09	WG2208152
1,2,4-Trichlorobenzene	ND		0.0195	1	01/17/2024 16:09	WG2208152
1,1,1-Trichloroethane	ND		0.00389	1	01/17/2024 16:09	WG2208152
1,1,2-Trichloroethane	ND		0.00389	1	01/17/2024 16:09	WG2208152
Trichloroethene	ND		0.00156	1	01/17/2024 16:09	WG2208152
Trichlorofluoromethane	ND		0.00389	1	01/17/2024 16:09	WG2208152
1,2,3-Trichloropropane	ND		0.0195	1	01/17/2024 16:09	WG2208152
1,2,4-Trimethylbenzene	ND		0.00779	1	01/17/2024 16:09	WG2208152
1,3,5-Trimethylbenzene	ND		0.00779	1	01/17/2024 16:09	WG2208152
Vinyl chloride	ND		0.00389	1	01/17/2024 16:09	WG2208152
Xylenes, Total	ND		0.0101	1	01/17/2024 16:09	WG2208152
(S) Toluene-d8	99.2		75.0-131		01/17/2024 16:09	WG2208152
(S) 4-Bromofluorobenzene	106		67.0-138		01/17/2024 16:09	WG2208152
(S) 1,2-Dichloroethane-d4	91.4		70.0-130		01/17/2024 16:09	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0420	1	01/19/2024 21:09	WG2208465
Acenaphthylene	ND		0.0420	1	01/19/2024 21:09	WG2208465
Anthracene	ND		0.0420	1	01/19/2024 21:09	WG2208465
Benzidine	ND		2.11	1	01/19/2024 21:09	WG2208465
Benzo(a)anthracene	ND		0.0420	1	01/19/2024 21:09	WG2208465

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0420	1	01/19/2024 21:09	WG2208465
Benzo(k)fluoranthene	ND		0.0420	1	01/19/2024 21:09	WG2208465
Benzo(g,h,i)perylene	ND		0.0420	1	01/19/2024 21:09	WG2208465
Benzo(a)pyrene	ND		0.0420	1	01/19/2024 21:09	WG2208465
Bis(2-chloroethoxy)methane	ND		0.420	1	01/19/2024 21:09	WG2208465
Bis(2-chloroethyl)ether	ND		0.420	1	01/19/2024 21:09	WG2208465
2,2-Oxybis(1-Chloropropane)	ND		0.420	1	01/19/2024 21:09	WG2208465
4-Bromophenyl-phenylether	ND		0.420	1	01/19/2024 21:09	WG2208465
2-Chloronaphthalene	ND		0.0420	1	01/19/2024 21:09	WG2208465
4-Chlorophenyl-phenylether	ND		0.420	1	01/19/2024 21:09	WG2208465
Chrysene	ND		0.0420	1	01/19/2024 21:09	WG2208465
Dibenz(a,h)anthracene	ND		0.0420	1	01/19/2024 21:09	WG2208465
3,3-Dichlorobenzidine	ND		0.420	1	01/19/2024 21:09	WG2208465
2,4-Dinitrotoluene	ND		0.420	1	01/19/2024 21:09	WG2208465
2,6-Dinitrotoluene	ND		0.420	1	01/19/2024 21:09	WG2208465
Fluoranthene	ND		0.0420	1	01/19/2024 21:09	WG2208465
Fluorene	ND		0.0420	1	01/19/2024 21:09	WG2208465
Hexachlorobenzene	ND		0.420	1	01/19/2024 21:09	WG2208465
Hexachloro-1,3-butadiene	ND		0.420	1	01/19/2024 21:09	WG2208465
Hexachlorocyclopentadiene	ND		0.420	1	01/19/2024 21:09	WG2208465
Hexachloroethane	ND		0.420	1	01/19/2024 21:09	WG2208465
Indeno(1,2,3-cd)pyrene	ND		0.0420	1	01/19/2024 21:09	WG2208465
Isophorone	ND		0.420	1	01/19/2024 21:09	WG2208465
Naphthalene	ND		0.0420	1	01/19/2024 21:09	WG2208465
Nitrobenzene	ND		0.420	1	01/19/2024 21:09	WG2208465
n-Nitrosodimethylamine	ND		0.420	1	01/19/2024 21:09	WG2208465
n-Nitrosodiphenylamine	ND		0.420	1	01/19/2024 21:09	WG2208465
n-Nitrosodi-n-propylamine	ND		0.420	1	01/19/2024 21:09	WG2208465
Phenanthrene	ND		0.0420	1	01/19/2024 21:09	WG2208465
Benzylbutyl phthalate	ND		0.420	1	01/19/2024 21:09	WG2208465
Bis(2-ethylhexyl)phthalate	ND		0.420	1	01/19/2024 21:09	WG2208465
Di-n-butyl phthalate	ND		0.420	1	01/19/2024 21:09	WG2208465
Diethyl phthalate	ND		0.420	1	01/19/2024 21:09	WG2208465
Dimethyl phthalate	ND		0.420	1	01/19/2024 21:09	WG2208465
Di-n-octyl phthalate	ND		0.420	1	01/19/2024 21:09	WG2208465
Pyrene	ND		0.0420	1	01/19/2024 21:09	WG2208465
1,2,4-Trichlorobenzene	ND		0.420	1	01/19/2024 21:09	WG2208465
4-Chloro-3-methylphenol	ND		0.420	1	01/19/2024 21:09	WG2208465
2-Chlorophenol	ND		0.420	1	01/19/2024 21:09	WG2208465
2,4-Dichlorophenol	ND		0.420	1	01/19/2024 21:09	WG2208465
2,4-Dimethylphenol	ND		0.420	1	01/19/2024 21:09	WG2208465
4,6-Dinitro-2-methylphenol	ND		0.420	1	01/19/2024 21:09	WG2208465
2,4-Dinitrophenol	ND		0.420	1	01/19/2024 21:09	WG2208465
2-Nitrophenol	ND		0.420	1	01/19/2024 21:09	WG2208465
4-Nitrophenol	ND		0.420	1	01/19/2024 21:09	WG2208465
Pentachlorophenol	ND		0.420	1	01/19/2024 21:09	WG2208465
Phenol	ND		0.420	1	01/19/2024 21:09	WG2208465
2,4,6-Trichlorophenol	ND		0.420	1	01/19/2024 21:09	WG2208465
(S) 2-Fluorophenol	52.5		12.0-120		01/19/2024 21:09	WG2208465
(S) Phenol-d5	49.5		10.0-120		01/19/2024 21:09	WG2208465
(S) Nitrobenzene-d5	40.5		10.0-122		01/19/2024 21:09	WG2208465
(S) 2-Fluorobiphenyl	48.5		15.0-120		01/19/2024 21:09	WG2208465
(S) 2,4,6-Tribromophenol	57.7		10.0-127		01/19/2024 21:09	WG2208465
(S) p-Terphenyl-d14	53.7		10.0-120		01/19/2024 21:09	WG2208465

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	67.2		1	01/18/2024 06:25	WG2208489

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.49	1	01/24/2024 17:14	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0702		0.0595	1	01/18/2024 13:45	WG2208331

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.47	5	01/24/2024 17:26	WG2208838
Arsenic	2.70		1.49	5	01/24/2024 17:26	WG2208838
Barium	61.2		3.72	5	01/24/2024 17:26	WG2208838
Beryllium	ND		3.72	5	01/24/2024 17:26	WG2208838
Cadmium	ND		1.49	5	01/24/2024 17:26	WG2208838
Chromium	77.3		7.44	5	01/24/2024 17:26	WG2208838
Cobalt	10.3		1.49	5	01/24/2024 17:26	WG2208838
Copper	25.2		7.44	5	01/24/2024 17:26	WG2208838
Lead	24.3		2.98	5	01/24/2024 17:26	WG2208838
Manganese	491		3.72	5	01/24/2024 17:26	WG2208838
Nickel	15.4		3.72	5	01/24/2024 17:26	WG2208838
Selenium	ND		3.72	5	01/24/2024 17:26	WG2208838
Silver	ND		0.744	5	01/24/2024 17:26	WG2208838
Thallium	ND		2.98	5	01/24/2024 17:26	WG2208838
Vanadium	40.8		3.72	5	01/24/2024 17:26	WG2208838
Zinc	ND		37.2	5	01/24/2024 17:26	WG2208838

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.101	1	01/17/2024 16:28	WG2208152
Acrylonitrile	ND		0.0253	1	01/17/2024 16:28	WG2208152
Benzene	ND		0.00202	1	01/17/2024 16:28	WG2208152
Bromobenzene	ND		0.0253	1	01/17/2024 16:28	WG2208152
Bromodichloromethane	ND		0.00505	1	01/17/2024 16:28	WG2208152
Bromoform	ND		0.0505	1	01/17/2024 16:28	WG2208152
Bromomethane	ND		0.0253	1	01/17/2024 16:28	WG2208152
n-Butylbenzene	ND		0.0253	1	01/17/2024 16:28	WG2208152
sec-Butylbenzene	ND		0.0253	1	01/17/2024 16:28	WG2208152
tert-Butylbenzene	ND		0.0101	1	01/17/2024 16:28	WG2208152
Carbon tetrachloride	ND		0.0101	1	01/17/2024 16:28	WG2208152
Chlorobenzene	ND		0.00505	1	01/17/2024 16:28	WG2208152
Chlorodibromomethane	ND		0.00505	1	01/17/2024 16:28	WG2208152
Chloroethane	ND		0.0101	1	01/17/2024 16:28	WG2208152
Chloroform	ND		0.00505	1	01/17/2024 16:28	WG2208152
Chloromethane	ND		0.0253	1	01/17/2024 16:28	WG2208152
2-Chlorotoluene	ND		0.00505	1	01/17/2024 16:28	WG2208152
4-Chlorotoluene	ND		0.0101	1	01/17/2024 16:28	WG2208152
1,2-Dibromo-3-Chloropropane	ND		0.0505	1	01/17/2024 16:28	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00505	1	01/17/2024 16:28	WG2208152
Dibromomethane	ND		0.0101	1	01/17/2024 16:28	WG2208152
1,2-Dichlorobenzene	ND		0.0101	1	01/17/2024 16:28	WG2208152
1,3-Dichlorobenzene	ND		0.0101	1	01/17/2024 16:28	WG2208152
1,4-Dichlorobenzene	ND		0.0101	1	01/17/2024 16:28	WG2208152
Dichlorodifluoromethane	ND		0.0101	1	01/17/2024 16:28	WG2208152
1,1-Dichloroethane	ND		0.00505	1	01/17/2024 16:28	WG2208152
1,2-Dichloroethane	ND		0.00505	1	01/17/2024 16:28	WG2208152
1,1-Dichloroethene	ND		0.00505	1	01/17/2024 16:28	WG2208152
cis-1,2-Dichloroethene	ND		0.00505	1	01/17/2024 16:28	WG2208152
trans-1,2-Dichloroethene	ND		0.0101	1	01/17/2024 16:28	WG2208152
1,2-Dichloropropane	ND		0.0101	1	01/17/2024 16:28	WG2208152
1,1-Dichloropropene	ND		0.00505	1	01/17/2024 16:28	WG2208152
1,3-Dichloropropane	ND		0.0101	1	01/17/2024 16:28	WG2208152
cis-1,3-Dichloropropene	ND		0.00505	1	01/17/2024 16:28	WG2208152
trans-1,3-Dichloropropene	ND		0.0101	1	01/17/2024 16:28	WG2208152
2,2-Dichloropropane	ND		0.00505	1	01/17/2024 16:28	WG2208152
Di-isopropyl ether	ND		0.00202	1	01/17/2024 16:28	WG2208152
Ethylbenzene	ND		0.00505	1	01/17/2024 16:28	WG2208152
Hexachloro-1,3-butadiene	ND		0.0505	1	01/17/2024 16:28	WG2208152
Isopropylbenzene	ND		0.00505	1	01/17/2024 16:28	WG2208152
p-Isopropyltoluene	ND		0.0101	1	01/17/2024 16:28	WG2208152
2-Butanone (MEK)	ND		0.202	1	01/17/2024 16:28	WG2208152
Methylene Chloride	ND		0.0505	1	01/17/2024 16:28	WG2208152
4-Methyl-2-pentanone (MIBK)	ND		0.0505	1	01/17/2024 16:28	WG2208152
Methyl tert-butyl ether	ND		0.00202	1	01/17/2024 16:28	WG2208152
Naphthalene	ND		0.0253	1	01/17/2024 16:28	WG2208152
n-Propylbenzene	ND		0.0101	1	01/17/2024 16:28	WG2208152
Styrene	ND		0.0253	1	01/17/2024 16:28	WG2208152
1,1,1,2-Tetrachloroethane	ND		0.00505	1	01/17/2024 16:28	WG2208152
1,1,2,2-Tetrachloroethane	ND		0.00505	1	01/17/2024 16:28	WG2208152
Tetrachloroethene	ND		0.00505	1	01/17/2024 16:28	WG2208152
Toluene	ND		0.0101	1	01/17/2024 16:28	WG2208152
1,2,3-Trichlorobenzene	ND		0.0253	1	01/17/2024 16:28	WG2208152
1,2,4-Trichlorobenzene	ND		0.0253	1	01/17/2024 16:28	WG2208152
1,1,1-Trichloroethane	ND		0.00505	1	01/17/2024 16:28	WG2208152
1,1,2-Trichloroethane	ND		0.00505	1	01/17/2024 16:28	WG2208152
Trichloroethene	ND		0.00202	1	01/17/2024 16:28	WG2208152
Trichlorofluoromethane	ND		0.00505	1	01/17/2024 16:28	WG2208152
1,2,3-Trichloropropane	ND		0.0253	1	01/17/2024 16:28	WG2208152
1,2,4-Trimethylbenzene	ND		0.0101	1	01/17/2024 16:28	WG2208152
1,3,5-Trimethylbenzene	ND		0.0101	1	01/17/2024 16:28	WG2208152
Vinyl chloride	ND		0.00505	1	01/17/2024 16:28	WG2208152
Xylenes, Total	ND		0.0131	1	01/17/2024 16:28	WG2208152
(S) Toluene-d8	100		75.0-131		01/17/2024 16:28	WG2208152
(S) 4-Bromofluorobenzene	100		67.0-138		01/17/2024 16:28	WG2208152
(S) 1,2-Dichloroethane-d4	93.0		70.0-130		01/17/2024 16:28	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0496	1	01/19/2024 19:27	WG2208465
Acenaphthylene	ND		0.0496	1	01/19/2024 19:27	WG2208465
Anthracene	ND		0.0496	1	01/19/2024 19:27	WG2208465
Benzidine	ND		2.49	1	01/19/2024 19:27	WG2208465
Benzo(a)anthracene	ND		0.0496	1	01/19/2024 19:27	WG2208465

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0512		0.0496	1	01/19/2024 19:27	WG2208465
Benzo(k)fluoranthene	ND		0.0496	1	01/19/2024 19:27	WG2208465
Benzo(g,h,i)perylene	ND		0.0496	1	01/19/2024 19:27	WG2208465
Benzo(a)pyrene	ND		0.0496	1	01/19/2024 19:27	WG2208465
Bis(2-chloroethoxy)methane	ND		0.496	1	01/19/2024 19:27	WG2208465
Bis(2-chloroethyl)ether	ND		0.496	1	01/19/2024 19:27	WG2208465
2,2-Oxybis(1-Chloropropane)	ND		0.496	1	01/19/2024 19:27	WG2208465
4-Bromophenyl-phenylether	ND		0.496	1	01/19/2024 19:27	WG2208465
2-Chloronaphthalene	ND		0.0496	1	01/19/2024 19:27	WG2208465
4-Chlorophenyl-phenylether	ND		0.496	1	01/19/2024 19:27	WG2208465
Chrysene	ND		0.0496	1	01/19/2024 19:27	WG2208465
Dibenz(a,h)anthracene	ND		0.0496	1	01/19/2024 19:27	WG2208465
3,3-Dichlorobenzidine	ND		0.496	1	01/19/2024 19:27	WG2208465
2,4-Dinitrotoluene	ND		0.496	1	01/19/2024 19:27	WG2208465
2,6-Dinitrotoluene	ND		0.496	1	01/19/2024 19:27	WG2208465
Fluoranthene	0.0695		0.0496	1	01/19/2024 19:27	WG2208465
Fluorene	ND		0.0496	1	01/19/2024 19:27	WG2208465
Hexachlorobenzene	ND		0.496	1	01/19/2024 19:27	WG2208465
Hexachloro-1,3-butadiene	ND		0.496	1	01/19/2024 19:27	WG2208465
Hexachlorocyclopentadiene	ND		0.496	1	01/19/2024 19:27	WG2208465
Hexachloroethane	ND		0.496	1	01/19/2024 19:27	WG2208465
Indeno(1,2,3-cd)pyrene	ND		0.0496	1	01/19/2024 19:27	WG2208465
Isophorone	ND		0.496	1	01/19/2024 19:27	WG2208465
Naphthalene	ND		0.0496	1	01/19/2024 19:27	WG2208465
Nitrobenzene	ND		0.496	1	01/19/2024 19:27	WG2208465
n-Nitrosodimethylamine	ND		0.496	1	01/19/2024 19:27	WG2208465
n-Nitrosodiphenylamine	ND		0.496	1	01/19/2024 19:27	WG2208465
n-Nitrosodi-n-propylamine	ND		0.496	1	01/19/2024 19:27	WG2208465
Phenanthrene	ND		0.0496	1	01/19/2024 19:27	WG2208465
Benzylbutyl phthalate	ND		0.496	1	01/19/2024 19:27	WG2208465
Bis(2-ethylhexyl)phthalate	ND		0.496	1	01/19/2024 19:27	WG2208465
Di-n-butyl phthalate	ND		0.496	1	01/19/2024 19:27	WG2208465
Diethyl phthalate	ND		0.496	1	01/19/2024 19:27	WG2208465
Dimethyl phthalate	ND		0.496	1	01/19/2024 19:27	WG2208465
Di-n-octyl phthalate	ND		0.496	1	01/19/2024 19:27	WG2208465
Pyrene	0.0627		0.0496	1	01/19/2024 19:27	WG2208465
1,2,4-Trichlorobenzene	ND		0.496	1	01/19/2024 19:27	WG2208465
4-Chloro-3-methylphenol	ND		0.496	1	01/19/2024 19:27	WG2208465
2-Chlorophenol	ND		0.496	1	01/19/2024 19:27	WG2208465
2,4-Dichlorophenol	ND		0.496	1	01/19/2024 19:27	WG2208465
2,4-Dimethylphenol	ND		0.496	1	01/19/2024 19:27	WG2208465
4,6-Dinitro-2-methylphenol	ND		0.496	1	01/19/2024 19:27	WG2208465
2,4-Dinitrophenol	ND		0.496	1	01/19/2024 19:27	WG2208465
2-Nitrophenol	ND		0.496	1	01/19/2024 19:27	WG2208465
4-Nitrophenol	ND		0.496	1	01/19/2024 19:27	WG2208465
Pentachlorophenol	ND		0.496	1	01/19/2024 19:27	WG2208465
Phenol	ND		0.496	1	01/19/2024 19:27	WG2208465
2,4,6-Trichlorophenol	ND		0.496	1	01/19/2024 19:27	WG2208465
(S) 2-Fluorophenol	43.1		12.0-120		01/19/2024 19:27	WG2208465
(S) Phenol-d5	41.4		10.0-120		01/19/2024 19:27	WG2208465
(S) Nitrobenzene-d5	35.4		10.0-122		01/19/2024 19:27	WG2208465
(S) 2-Fluorobiphenyl	39.7		15.0-120		01/19/2024 19:27	WG2208465
(S) 2,4,6-Tribromophenol	43.1		10.0-127		01/19/2024 19:27	WG2208465
(S) p-Terphenyl-d14	41.5		10.0-120		01/19/2024 19:27	WG2208465

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.6		1	01/18/2024 06:25	WG2208489

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.22	1	01/24/2024 17:20	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0525		0.0490	1	01/18/2024 13:52	WG2208331

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.67	5	01/24/2024 17:29	WG2208838
Arsenic	1.81		1.22	5	01/24/2024 17:29	WG2208838
Barium	50.6		3.06	5	01/24/2024 17:29	WG2208838
Beryllium	ND		3.06	5	01/24/2024 17:29	WG2208838
Cadmium	ND		1.22	5	01/24/2024 17:29	WG2208838
Chromium	34.1		6.12	5	01/24/2024 17:29	WG2208838
Cobalt	6.28		1.22	5	01/24/2024 17:29	WG2208838
Copper	11.8		6.12	5	01/24/2024 17:29	WG2208838
Lead	31.8		2.45	5	01/24/2024 17:29	WG2208838
Manganese	429		3.06	5	01/24/2024 17:29	WG2208838
Nickel	10.5		3.06	5	01/24/2024 17:29	WG2208838
Selenium	ND		3.06	5	01/24/2024 17:29	WG2208838
Silver	ND		0.612	5	01/24/2024 17:29	WG2208838
Thallium	ND		2.45	5	01/24/2024 17:29	WG2208838
Vanadium	26.0		3.06	5	01/24/2024 17:29	WG2208838
Zinc	49.3		30.6	5	01/24/2024 17:29	WG2208838

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0737	1.02	01/17/2024 16:47	WG2208152
Acrylonitrile	ND		0.0185	1.02	01/17/2024 16:47	WG2208152
Benzene	ND		0.00147	1.02	01/17/2024 16:47	WG2208152
Bromobenzene	ND		0.0185	1.02	01/17/2024 16:47	WG2208152
Bromodichloromethane	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
Bromoform	ND		0.0368	1.02	01/17/2024 16:47	WG2208152
Bromomethane	ND		0.0185	1.02	01/17/2024 16:47	WG2208152
n-Butylbenzene	ND		0.0185	1.02	01/17/2024 16:47	WG2208152
sec-Butylbenzene	ND		0.0185	1.02	01/17/2024 16:47	WG2208152
tert-Butylbenzene	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
Carbon tetrachloride	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
Chlorobenzene	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
Chlorodibromomethane	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
Chloroethane	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
Chloroform	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
Chloromethane	ND		0.0185	1.02	01/17/2024 16:47	WG2208152
2-Chlorotoluene	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
4-Chlorotoluene	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
1,2-Dibromo-3-Chloropropane	ND		0.0368	1.02	01/17/2024 16:47	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
Dibromomethane	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
1,2-Dichlorobenzene	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
1,3-Dichlorobenzene	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
1,4-Dichlorobenzene	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
Dichlorodifluoromethane	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
1,1-Dichloroethane	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
1,2-Dichloroethane	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
1,1-Dichloroethene	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
cis-1,2-Dichloroethene	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
trans-1,2-Dichloroethene	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
1,2-Dichloropropane	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
1,1-Dichloropropene	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
1,3-Dichloropropane	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
cis-1,3-Dichloropropene	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
trans-1,3-Dichloropropene	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
2,2-Dichloropropane	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
Di-isopropyl ether	ND		0.00147	1.02	01/17/2024 16:47	WG2208152
Ethylbenzene	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
Hexachloro-1,3-butadiene	ND		0.0368	1.02	01/17/2024 16:47	WG2208152
Isopropylbenzene	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
p-Isopropyltoluene	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
2-Butanone (MEK)	ND		0.147	1.02	01/17/2024 16:47	WG2208152
Methylene Chloride	ND		0.0368	1.02	01/17/2024 16:47	WG2208152
4-Methyl-2-pentanone (MIBK)	ND		0.0368	1.02	01/17/2024 16:47	WG2208152
Methyl tert-butyl ether	ND		0.00147	1.02	01/17/2024 16:47	WG2208152
Naphthalene	ND		0.0185	1.02	01/17/2024 16:47	WG2208152
n-Propylbenzene	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
Styrene	ND		0.0185	1.02	01/17/2024 16:47	WG2208152
1,1,1,2-Tetrachloroethane	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
1,1,2,2-Tetrachloroethane	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
Tetrachloroethene	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
Toluene	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
1,2,3-Trichlorobenzene	ND		0.0185	1.02	01/17/2024 16:47	WG2208152
1,2,4-Trichlorobenzene	ND		0.0185	1.02	01/17/2024 16:47	WG2208152
1,1,1-Trichloroethane	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
1,1,2-Trichloroethane	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
Trichloroethene	ND		0.00147	1.02	01/17/2024 16:47	WG2208152
Trichlorofluoromethane	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
1,2,3-Trichloropropane	ND		0.0185	1.02	01/17/2024 16:47	WG2208152
1,2,4-Trimethylbenzene	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
1,3,5-Trimethylbenzene	ND		0.00737	1.02	01/17/2024 16:47	WG2208152
Vinyl chloride	ND		0.00368	1.02	01/17/2024 16:47	WG2208152
Xylenes, Total	ND		0.00958	1.02	01/17/2024 16:47	WG2208152
(S) Toluene-d8	97.9		75.0-131		01/17/2024 16:47	WG2208152
(S) 4-Bromofluorobenzene	104		67.0-138		01/17/2024 16:47	WG2208152
(S) 1,2-Dichloroethane-d4	92.6		70.0-130		01/17/2024 16:47	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0408	1	01/19/2024 22:10	WG2208465
Acenaphthylene	ND		0.0408	1	01/19/2024 22:10	WG2208465
Anthracene	ND		0.0408	1	01/19/2024 22:10	WG2208465
Benzidine	ND		2.05	1	01/19/2024 22:10	WG2208465
Benzo(a)anthracene	0.0451		0.0408	1	01/19/2024 22:10	WG2208465

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0633		0.0408	1	01/19/2024 22:10	WG2208465
Benzo(k)fluoranthene	ND		0.0408	1	01/19/2024 22:10	WG2208465
Benzo(g,h,i)perylene	ND		0.0408	1	01/19/2024 22:10	WG2208465
Benzo(a)pyrene	0.0452		0.0408	1	01/19/2024 22:10	WG2208465
Bis(2-chloroethoxy)methane	ND		0.408	1	01/19/2024 22:10	WG2208465
Bis(2-chloroethyl)ether	ND		0.408	1	01/19/2024 22:10	WG2208465
2,2-Oxybis(1-Chloropropane)	ND		0.408	1	01/19/2024 22:10	WG2208465
4-Bromophenyl-phenylether	ND		0.408	1	01/19/2024 22:10	WG2208465
2-Chloronaphthalene	ND		0.0408	1	01/19/2024 22:10	WG2208465
4-Chlorophenyl-phenylether	ND		0.408	1	01/19/2024 22:10	WG2208465
Chrysene	0.0492		0.0408	1	01/19/2024 22:10	WG2208465
Dibenz(a,h)anthracene	ND		0.0408	1	01/19/2024 22:10	WG2208465
3,3-Dichlorobenzidine	ND		0.408	1	01/19/2024 22:10	WG2208465
2,4-Dinitrotoluene	ND		0.408	1	01/19/2024 22:10	WG2208465
2,6-Dinitrotoluene	ND		0.408	1	01/19/2024 22:10	WG2208465
Fluoranthene	0.0966		0.0408	1	01/19/2024 22:10	WG2208465
Fluorene	ND		0.0408	1	01/19/2024 22:10	WG2208465
Hexachlorobenzene	ND		0.408	1	01/19/2024 22:10	WG2208465
Hexachloro-1,3-butadiene	ND		0.408	1	01/19/2024 22:10	WG2208465
Hexachlorocyclopentadiene	ND		0.408	1	01/19/2024 22:10	WG2208465
Hexachloroethane	ND		0.408	1	01/19/2024 22:10	WG2208465
Indeno(1,2,3-cd)pyrene	ND		0.0408	1	01/19/2024 22:10	WG2208465
Isophorone	ND		0.408	1	01/19/2024 22:10	WG2208465
Naphthalene	ND		0.0408	1	01/19/2024 22:10	WG2208465
Nitrobenzene	ND		0.408	1	01/19/2024 22:10	WG2208465
n-Nitrosodimethylamine	ND		0.408	1	01/19/2024 22:10	WG2208465
n-Nitrosodiphenylamine	ND		0.408	1	01/19/2024 22:10	WG2208465
n-Nitrosodi-n-propylamine	ND		0.408	1	01/19/2024 22:10	WG2208465
Phenanthrene	0.0544		0.0408	1	01/19/2024 22:10	WG2208465
Benzylbutyl phthalate	ND		0.408	1	01/19/2024 22:10	WG2208465
Bis(2-ethylhexyl)phthalate	ND		0.408	1	01/19/2024 22:10	WG2208465
Di-n-butyl phthalate	ND		0.408	1	01/19/2024 22:10	WG2208465
Diethyl phthalate	ND		0.408	1	01/19/2024 22:10	WG2208465
Dimethyl phthalate	ND		0.408	1	01/19/2024 22:10	WG2208465
Di-n-octyl phthalate	ND		0.408	1	01/19/2024 22:10	WG2208465
Pyrene	0.0844		0.0408	1	01/19/2024 22:10	WG2208465
1,2,4-Trichlorobenzene	ND		0.408	1	01/19/2024 22:10	WG2208465
4-Chloro-3-methylphenol	ND		0.408	1	01/19/2024 22:10	WG2208465
2-Chlorophenol	ND		0.408	1	01/19/2024 22:10	WG2208465
2,4-Dichlorophenol	ND		0.408	1	01/19/2024 22:10	WG2208465
2,4-Dimethylphenol	ND		0.408	1	01/19/2024 22:10	WG2208465
4,6-Dinitro-2-methylphenol	ND		0.408	1	01/19/2024 22:10	WG2208465
2,4-Dinitrophenol	ND		0.408	1	01/19/2024 22:10	WG2208465
2-Nitrophenol	ND		0.408	1	01/19/2024 22:10	WG2208465
4-Nitrophenol	ND		0.408	1	01/19/2024 22:10	WG2208465
Pentachlorophenol	ND		0.408	1	01/19/2024 22:10	WG2208465
Phenol	ND		0.408	1	01/19/2024 22:10	WG2208465
2,4,6-Trichlorophenol	ND		0.408	1	01/19/2024 22:10	WG2208465
(S) 2-Fluorophenol	53.5		12.0-120		01/19/2024 22:10	WG2208465
(S) Phenol-d5	51.2		10.0-120		01/19/2024 22:10	WG2208465
(S) Nitrobenzene-d5	43.9		10.0-122		01/19/2024 22:10	WG2208465
(S) 2-Fluorobiphenyl	50.0		15.0-120		01/19/2024 22:10	WG2208465
(S) 2,4,6-Tribromophenol	61.8		10.0-127		01/19/2024 22:10	WG2208465
(S) p-Terphenyl-d14	56.1		10.0-120		01/19/2024 22:10	WG2208465

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.6		1	01/18/2024 06:25	WG2208489

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.27	1	01/24/2024 17:26	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0550		0.0509	1	01/18/2024 13:54	WG2208331

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.82	5	01/24/2024 17:33	WG2208838
Arsenic	2.85		1.27	5	01/24/2024 17:33	WG2208838
Barium	183		3.18	5	01/24/2024 17:33	WG2208838
Beryllium	ND		3.18	5	01/24/2024 17:33	WG2208838
Cadmium	ND		1.27	5	01/24/2024 17:33	WG2208838
Chromium	45.7		6.36	5	01/24/2024 17:33	WG2208838
Cobalt	12.3		1.27	5	01/24/2024 17:33	WG2208838
Copper	17.3		6.36	5	01/24/2024 17:33	WG2208838
Lead	14.5		2.54	5	01/24/2024 17:33	WG2208838
Manganese	604		3.18	5	01/24/2024 17:33	WG2208838
Nickel	28.0		3.18	5	01/24/2024 17:33	WG2208838
Selenium	ND		3.18	5	01/24/2024 17:33	WG2208838
Silver	ND		0.636	5	01/24/2024 17:33	WG2208838
Thallium	ND		2.54	5	01/24/2024 17:33	WG2208838
Vanadium	53.7		3.18	5	01/24/2024 17:33	WG2208838
Zinc	61.7		31.8	5	01/24/2024 17:33	WG2208838

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0810	1.06	01/17/2024 17:06	WG2208152
Acrylonitrile	ND		0.0203	1.06	01/17/2024 17:06	WG2208152
Benzene	ND		0.00162	1.06	01/17/2024 17:06	WG2208152
Bromobenzene	ND		0.0203	1.06	01/17/2024 17:06	WG2208152
Bromodichloromethane	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
Bromoform	ND		0.0405	1.06	01/17/2024 17:06	WG2208152
Bromomethane	ND		0.0203	1.06	01/17/2024 17:06	WG2208152
n-Butylbenzene	ND		0.0203	1.06	01/17/2024 17:06	WG2208152
sec-Butylbenzene	ND		0.0203	1.06	01/17/2024 17:06	WG2208152
tert-Butylbenzene	ND		0.00810	1.06	01/17/2024 17:06	WG2208152
Carbon tetrachloride	ND		0.00810	1.06	01/17/2024 17:06	WG2208152
Chlorobenzene	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
Chlorodibromomethane	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
Chloroethane	ND		0.00810	1.06	01/17/2024 17:06	WG2208152
Chloroform	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
Chloromethane	ND		0.0203	1.06	01/17/2024 17:06	WG2208152
2-Chlorotoluene	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
4-Chlorotoluene	ND		0.00810	1.06	01/17/2024 17:06	WG2208152
1,2-Dibromo-3-Chloropropane	ND		0.0405	1.06	01/17/2024 17:06	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
Dibromomethane	ND		0.00810	1.06	01/17/2024 17:06	WG2208152
1,2-Dichlorobenzene	ND		0.00810	1.06	01/17/2024 17:06	WG2208152
1,3-Dichlorobenzene	ND		0.00810	1.06	01/17/2024 17:06	WG2208152
1,4-Dichlorobenzene	ND		0.00810	1.06	01/17/2024 17:06	WG2208152
Dichlorodifluoromethane	ND		0.00810	1.06	01/17/2024 17:06	WG2208152
1,1-Dichloroethane	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
1,2-Dichloroethane	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
1,1-Dichloroethene	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
cis-1,2-Dichloroethene	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
trans-1,2-Dichloroethene	ND		0.00810	1.06	01/17/2024 17:06	WG2208152
1,2-Dichloropropane	ND		0.00810	1.06	01/17/2024 17:06	WG2208152
1,1-Dichloropropene	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
1,3-Dichloropropane	ND		0.00810	1.06	01/17/2024 17:06	WG2208152
cis-1,3-Dichloropropene	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
trans-1,3-Dichloropropene	ND		0.00810	1.06	01/17/2024 17:06	WG2208152
2,2-Dichloropropane	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
Di-isopropyl ether	ND		0.00162	1.06	01/17/2024 17:06	WG2208152
Ethylbenzene	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
Hexachloro-1,3-butadiene	ND		0.0405	1.06	01/17/2024 17:06	WG2208152
Isopropylbenzene	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
p-Isopropyltoluene	0.0139		0.00810	1.06	01/17/2024 17:06	WG2208152
2-Butanone (MEK)	ND		0.162	1.06	01/17/2024 17:06	WG2208152
Methylene Chloride	ND		0.0405	1.06	01/17/2024 17:06	WG2208152
4-Methyl-2-pentanone (MIBK)	ND		0.0405	1.06	01/17/2024 17:06	WG2208152
Methyl tert-butyl ether	ND		0.00162	1.06	01/17/2024 17:06	WG2208152
Naphthalene	ND		0.0203	1.06	01/17/2024 17:06	WG2208152
n-Propylbenzene	ND		0.00810	1.06	01/17/2024 17:06	WG2208152
Styrene	ND		0.0203	1.06	01/17/2024 17:06	WG2208152
1,1,1,2-Tetrachloroethane	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
1,1,2,2-Tetrachloroethane	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
Tetrachloroethene	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
Toluene	ND		0.00810	1.06	01/17/2024 17:06	WG2208152
1,2,3-Trichlorobenzene	ND		0.0203	1.06	01/17/2024 17:06	WG2208152
1,2,4-Trichlorobenzene	ND		0.0203	1.06	01/17/2024 17:06	WG2208152
1,1,1-Trichloroethane	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
1,1,2-Trichloroethane	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
Trichloroethene	ND		0.00162	1.06	01/17/2024 17:06	WG2208152
Trichlorofluoromethane	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
1,2,3-Trichloropropane	ND		0.0203	1.06	01/17/2024 17:06	WG2208152
1,2,4-Trimethylbenzene	ND		0.00810	1.06	01/17/2024 17:06	WG2208152
1,3,5-Trimethylbenzene	ND		0.00810	1.06	01/17/2024 17:06	WG2208152
Vinyl chloride	ND		0.00405	1.06	01/17/2024 17:06	WG2208152
Xylenes, Total	ND		0.0105	1.06	01/17/2024 17:06	WG2208152
(S) Toluene-d8	100		75.0-131		01/17/2024 17:06	WG2208152
(S) 4-Bromofluorobenzene	97.0		67.0-138		01/17/2024 17:06	WG2208152
(S) 1,2-Dichloroethane-d4	86.1		70.0-130		01/17/2024 17:06	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0424	1	01/19/2024 21:29	WG2208465
Acenaphthylene	ND		0.0424	1	01/19/2024 21:29	WG2208465
Anthracene	ND		0.0424	1	01/19/2024 21:29	WG2208465
Benzidine	ND		2.12	1	01/19/2024 21:29	WG2208465
Benzo(a)anthracene	ND		0.0424	1	01/19/2024 21:29	WG2208465

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0424	1	01/19/2024 21:29	WG2208465
Benzo(k)fluoranthene	ND		0.0424	1	01/19/2024 21:29	WG2208465
Benzo(g,h,i)perylene	ND		0.0424	1	01/19/2024 21:29	WG2208465
Benzo(a)pyrene	ND		0.0424	1	01/19/2024 21:29	WG2208465
Bis(2-chloroethoxy)methane	ND		0.424	1	01/19/2024 21:29	WG2208465
Bis(2-chloroethyl)ether	ND		0.424	1	01/19/2024 21:29	WG2208465
2,2-Oxybis(1-Chloropropane)	ND		0.424	1	01/19/2024 21:29	WG2208465
4-Bromophenyl-phenylether	ND		0.424	1	01/19/2024 21:29	WG2208465
2-Chloronaphthalene	ND		0.0424	1	01/19/2024 21:29	WG2208465
4-Chlorophenyl-phenylether	ND		0.424	1	01/19/2024 21:29	WG2208465
Chrysene	ND		0.0424	1	01/19/2024 21:29	WG2208465
Dibenz(a,h)anthracene	ND		0.0424	1	01/19/2024 21:29	WG2208465
3,3-Dichlorobenzidine	ND		0.424	1	01/19/2024 21:29	WG2208465
2,4-Dinitrotoluene	ND		0.424	1	01/19/2024 21:29	WG2208465
2,6-Dinitrotoluene	ND		0.424	1	01/19/2024 21:29	WG2208465
Fluoranthene	ND		0.0424	1	01/19/2024 21:29	WG2208465
Fluorene	ND		0.0424	1	01/19/2024 21:29	WG2208465
Hexachlorobenzene	ND		0.424	1	01/19/2024 21:29	WG2208465
Hexachloro-1,3-butadiene	ND		0.424	1	01/19/2024 21:29	WG2208465
Hexachlorocyclopentadiene	ND		0.424	1	01/19/2024 21:29	WG2208465
Hexachloroethane	ND		0.424	1	01/19/2024 21:29	WG2208465
Indeno(1,2,3-cd)pyrene	ND		0.0424	1	01/19/2024 21:29	WG2208465
Isophorone	ND		0.424	1	01/19/2024 21:29	WG2208465
Naphthalene	ND		0.0424	1	01/19/2024 21:29	WG2208465
Nitrobenzene	ND		0.424	1	01/19/2024 21:29	WG2208465
n-Nitrosodimethylamine	ND		0.424	1	01/19/2024 21:29	WG2208465
n-Nitrosodiphenylamine	ND		0.424	1	01/19/2024 21:29	WG2208465
n-Nitrosodi-n-propylamine	ND		0.424	1	01/19/2024 21:29	WG2208465
Phenanthrene	ND		0.0424	1	01/19/2024 21:29	WG2208465
Benzylbutyl phthalate	ND		0.424	1	01/19/2024 21:29	WG2208465
Bis(2-ethylhexyl)phthalate	ND		0.424	1	01/19/2024 21:29	WG2208465
Di-n-butyl phthalate	ND		0.424	1	01/19/2024 21:29	WG2208465
Diethyl phthalate	ND		0.424	1	01/19/2024 21:29	WG2208465
Dimethyl phthalate	ND		0.424	1	01/19/2024 21:29	WG2208465
Di-n-octyl phthalate	ND		0.424	1	01/19/2024 21:29	WG2208465
Pyrene	ND		0.0424	1	01/19/2024 21:29	WG2208465
1,2,4-Trichlorobenzene	ND		0.424	1	01/19/2024 21:29	WG2208465
4-Chloro-3-methylphenol	ND		0.424	1	01/19/2024 21:29	WG2208465
2-Chlorophenol	ND		0.424	1	01/19/2024 21:29	WG2208465
2,4-Dichlorophenol	ND		0.424	1	01/19/2024 21:29	WG2208465
2,4-Dimethylphenol	ND		0.424	1	01/19/2024 21:29	WG2208465
4,6-Dinitro-2-methylphenol	ND		0.424	1	01/19/2024 21:29	WG2208465
2,4-Dinitrophenol	ND		0.424	1	01/19/2024 21:29	WG2208465
2-Nitrophenol	ND		0.424	1	01/19/2024 21:29	WG2208465
4-Nitrophenol	ND		0.424	1	01/19/2024 21:29	WG2208465
Pentachlorophenol	ND		0.424	1	01/19/2024 21:29	WG2208465
Phenol	ND		0.424	1	01/19/2024 21:29	WG2208465
2,4,6-Trichlorophenol	ND		0.424	1	01/19/2024 21:29	WG2208465
(S) 2-Fluorophenol	50.6		12.0-120		01/19/2024 21:29	WG2208465
(S) Phenol-d5	48.5		10.0-120		01/19/2024 21:29	WG2208465
(S) Nitrobenzene-d5	40.2		10.0-122		01/19/2024 21:29	WG2208465
(S) 2-Fluorobiphenyl	46.4		15.0-120		01/19/2024 21:29	WG2208465
(S) 2,4,6-Tribromophenol	55.6		10.0-127		01/19/2024 21:29	WG2208465
(S) p-Terphenyl-d14	52.0		10.0-120		01/19/2024 21:29	WG2208465

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.5		1	01/18/2024 06:25	WG2208489

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.32	1	01/24/2024 17:32	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0530	1	01/18/2024 13:57	WG2208331

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.97	5	01/24/2024 17:36	WG2208838
Arsenic	2.24		1.32	5	01/24/2024 17:36	WG2208838
Barium	153		3.31	5	01/24/2024 17:36	WG2208838
Beryllium	ND		3.31	5	01/24/2024 17:36	WG2208838
Cadmium	ND		1.32	5	01/24/2024 17:36	WG2208838
Chromium	34.3		6.62	5	01/24/2024 17:36	WG2208838
Cobalt	11.0		1.32	5	01/24/2024 17:36	WG2208838
Copper	12.5		6.62	5	01/24/2024 17:36	WG2208838
Lead	26.6		2.65	5	01/24/2024 17:36	WG2208838
Manganese	703		3.31	5	01/24/2024 17:36	WG2208838
Nickel	22.9		3.31	5	01/24/2024 17:36	WG2208838
Selenium	ND		3.31	5	01/24/2024 17:36	WG2208838
Silver	ND		0.662	5	01/24/2024 17:36	WG2208838
Thallium	ND		2.65	5	01/24/2024 17:36	WG2208838
Vanadium	42.3		3.31	5	01/24/2024 17:36	WG2208838
Zinc	57.9		33.1	5	01/24/2024 17:36	WG2208838

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0855	1	01/17/2024 17:24	WG2208152
Acrylonitrile	ND		0.0214	1	01/17/2024 17:24	WG2208152
Benzene	ND		0.00171	1	01/17/2024 17:24	WG2208152
Bromobenzene	ND		0.0214	1	01/17/2024 17:24	WG2208152
Bromodichloromethane	ND		0.00428	1	01/17/2024 17:24	WG2208152
Bromoform	ND		0.0428	1	01/17/2024 17:24	WG2208152
Bromomethane	ND		0.0214	1	01/17/2024 17:24	WG2208152
n-Butylbenzene	ND		0.0214	1	01/17/2024 17:24	WG2208152
sec-Butylbenzene	ND		0.0214	1	01/17/2024 17:24	WG2208152
tert-Butylbenzene	ND		0.00855	1	01/17/2024 17:24	WG2208152
Carbon tetrachloride	ND		0.00855	1	01/17/2024 17:24	WG2208152
Chlorobenzene	ND		0.00428	1	01/17/2024 17:24	WG2208152
Chlorodibromomethane	ND		0.00428	1	01/17/2024 17:24	WG2208152
Chloroethane	ND		0.00855	1	01/17/2024 17:24	WG2208152
Chloroform	ND		0.00428	1	01/17/2024 17:24	WG2208152
Chloromethane	ND		0.0214	1	01/17/2024 17:24	WG2208152
2-Chlorotoluene	ND		0.00428	1	01/17/2024 17:24	WG2208152
4-Chlorotoluene	ND		0.00855	1	01/17/2024 17:24	WG2208152
1,2-Dibromo-3-Chloropropane	ND		0.0428	1	01/17/2024 17:24	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00428	1	01/17/2024 17:24	WG2208152
Dibromomethane	ND		0.00855	1	01/17/2024 17:24	WG2208152
1,2-Dichlorobenzene	ND		0.00855	1	01/17/2024 17:24	WG2208152
1,3-Dichlorobenzene	ND		0.00855	1	01/17/2024 17:24	WG2208152
1,4-Dichlorobenzene	ND		0.00855	1	01/17/2024 17:24	WG2208152
Dichlorodifluoromethane	ND		0.00855	1	01/17/2024 17:24	WG2208152
1,1-Dichloroethane	ND		0.00428	1	01/17/2024 17:24	WG2208152
1,2-Dichloroethane	ND		0.00428	1	01/17/2024 17:24	WG2208152
1,1-Dichloroethene	ND		0.00428	1	01/17/2024 17:24	WG2208152
cis-1,2-Dichloroethene	ND		0.00428	1	01/17/2024 17:24	WG2208152
trans-1,2-Dichloroethene	ND		0.00855	1	01/17/2024 17:24	WG2208152
1,2-Dichloropropane	ND		0.00855	1	01/17/2024 17:24	WG2208152
1,1-Dichloropropene	ND		0.00428	1	01/17/2024 17:24	WG2208152
1,3-Dichloropropane	ND		0.00855	1	01/17/2024 17:24	WG2208152
cis-1,3-Dichloropropene	ND		0.00428	1	01/17/2024 17:24	WG2208152
trans-1,3-Dichloropropene	ND		0.00855	1	01/17/2024 17:24	WG2208152
2,2-Dichloropropane	ND		0.00428	1	01/17/2024 17:24	WG2208152
Di-isopropyl ether	ND		0.00171	1	01/17/2024 17:24	WG2208152
Ethylbenzene	ND		0.00428	1	01/17/2024 17:24	WG2208152
Hexachloro-1,3-butadiene	ND		0.0428	1	01/17/2024 17:24	WG2208152
Isopropylbenzene	ND		0.00428	1	01/17/2024 17:24	WG2208152
p-Isopropyltoluene	ND		0.00855	1	01/17/2024 17:24	WG2208152
2-Butanone (MEK)	ND		0.171	1	01/17/2024 17:24	WG2208152
Methylene Chloride	ND		0.0428	1	01/17/2024 17:24	WG2208152
4-Methyl-2-pentanone (MIBK)	ND		0.0428	1	01/17/2024 17:24	WG2208152
Methyl tert-butyl ether	ND		0.00171	1	01/17/2024 17:24	WG2208152
Naphthalene	ND		0.0214	1	01/17/2024 17:24	WG2208152
n-Propylbenzene	ND		0.00855	1	01/17/2024 17:24	WG2208152
Styrene	ND		0.0214	1	01/17/2024 17:24	WG2208152
1,1,1,2-Tetrachloroethane	ND		0.00428	1	01/17/2024 17:24	WG2208152
1,1,2,2-Tetrachloroethane	ND		0.00428	1	01/17/2024 17:24	WG2208152
Tetrachloroethene	ND		0.00428	1	01/17/2024 17:24	WG2208152
Toluene	ND		0.00855	1	01/17/2024 17:24	WG2208152
1,2,3-Trichlorobenzene	ND		0.0214	1	01/17/2024 17:24	WG2208152
1,2,4-Trichlorobenzene	ND		0.0214	1	01/17/2024 17:24	WG2208152
1,1,1-Trichloroethane	ND		0.00428	1	01/17/2024 17:24	WG2208152
1,1,2-Trichloroethane	ND		0.00428	1	01/17/2024 17:24	WG2208152
Trichloroethene	ND		0.00171	1	01/17/2024 17:24	WG2208152
Trichlorofluoromethane	ND		0.00428	1	01/17/2024 17:24	WG2208152
1,2,3-Trichloropropane	ND		0.0214	1	01/17/2024 17:24	WG2208152
1,2,4-Trimethylbenzene	ND		0.00855	1	01/17/2024 17:24	WG2208152
1,3,5-Trimethylbenzene	ND		0.00855	1	01/17/2024 17:24	WG2208152
Vinyl chloride	ND		0.00428	1	01/17/2024 17:24	WG2208152
Xylenes, Total	ND		0.0111	1	01/17/2024 17:24	WG2208152
(S) Toluene-d8	99.5		75.0-131		01/17/2024 17:24	WG2208152
(S) 4-Bromofluorobenzene	105		67.0-138		01/17/2024 17:24	WG2208152
(S) 1,2-Dichloroethane-d4	90.3		70.0-130		01/17/2024 17:24	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0441	1	01/19/2024 20:49	WG2208465
Acenaphthylene	ND		0.0441	1	01/19/2024 20:49	WG2208465
Anthracene	ND		0.0441	1	01/19/2024 20:49	WG2208465
Benzidine	ND		2.21	1	01/19/2024 20:49	WG2208465
Benzo(a)anthracene	ND		0.0441	1	01/19/2024 20:49	WG2208465

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0441	1	01/19/2024 20:49	WG2208465
Benzo(k)fluoranthene	ND		0.0441	1	01/19/2024 20:49	WG2208465
Benzo(g,h,i)perylene	ND		0.0441	1	01/19/2024 20:49	WG2208465
Benzo(a)pyrene	ND		0.0441	1	01/19/2024 20:49	WG2208465
Bis(2-chloroethoxy)methane	ND		0.441	1	01/19/2024 20:49	WG2208465
Bis(2-chloroethyl)ether	ND		0.441	1	01/19/2024 20:49	WG2208465
2,2-Oxybis(1-Chloropropane)	ND		0.441	1	01/19/2024 20:49	WG2208465
4-Bromophenyl-phenylether	ND		0.441	1	01/19/2024 20:49	WG2208465
2-Chloronaphthalene	ND		0.0441	1	01/19/2024 20:49	WG2208465
4-Chlorophenyl-phenylether	ND		0.441	1	01/19/2024 20:49	WG2208465
Chrysene	ND		0.0441	1	01/19/2024 20:49	WG2208465
Dibenz(a,h)anthracene	ND		0.0441	1	01/19/2024 20:49	WG2208465
3,3-Dichlorobenzidine	ND		0.441	1	01/19/2024 20:49	WG2208465
2,4-Dinitrotoluene	ND		0.441	1	01/19/2024 20:49	WG2208465
2,6-Dinitrotoluene	ND		0.441	1	01/19/2024 20:49	WG2208465
Fluoranthene	ND		0.0441	1	01/19/2024 20:49	WG2208465
Fluorene	ND		0.0441	1	01/19/2024 20:49	WG2208465
Hexachlorobenzene	ND		0.441	1	01/19/2024 20:49	WG2208465
Hexachloro-1,3-butadiene	ND		0.441	1	01/19/2024 20:49	WG2208465
Hexachlorocyclopentadiene	ND		0.441	1	01/19/2024 20:49	WG2208465
Hexachloroethane	ND		0.441	1	01/19/2024 20:49	WG2208465
Indeno(1,2,3-cd)pyrene	ND		0.0441	1	01/19/2024 20:49	WG2208465
Isophorone	ND		0.441	1	01/19/2024 20:49	WG2208465
Naphthalene	ND		0.0441	1	01/19/2024 20:49	WG2208465
Nitrobenzene	ND		0.441	1	01/19/2024 20:49	WG2208465
n-Nitrosodimethylamine	ND		0.441	1	01/19/2024 20:49	WG2208465
n-Nitrosodiphenylamine	ND		0.441	1	01/19/2024 20:49	WG2208465
n-Nitrosodi-n-propylamine	ND		0.441	1	01/19/2024 20:49	WG2208465
Phenanthrene	ND		0.0441	1	01/19/2024 20:49	WG2208465
Benzylbutyl phthalate	ND		0.441	1	01/19/2024 20:49	WG2208465
Bis(2-ethylhexyl)phthalate	ND		0.441	1	01/19/2024 20:49	WG2208465
Di-n-butyl phthalate	ND		0.441	1	01/19/2024 20:49	WG2208465
Diethyl phthalate	ND		0.441	1	01/19/2024 20:49	WG2208465
Dimethyl phthalate	ND		0.441	1	01/19/2024 20:49	WG2208465
Di-n-octyl phthalate	ND		0.441	1	01/19/2024 20:49	WG2208465
Pyrene	ND		0.0441	1	01/19/2024 20:49	WG2208465
1,2,4-Trichlorobenzene	ND		0.441	1	01/19/2024 20:49	WG2208465
4-Chloro-3-methylphenol	ND		0.441	1	01/19/2024 20:49	WG2208465
2-Chlorophenol	ND		0.441	1	01/19/2024 20:49	WG2208465
2,4-Dichlorophenol	ND		0.441	1	01/19/2024 20:49	WG2208465
2,4-Dimethylphenol	ND		0.441	1	01/19/2024 20:49	WG2208465
4,6-Dinitro-2-methylphenol	ND		0.441	1	01/19/2024 20:49	WG2208465
2,4-Dinitrophenol	ND		0.441	1	01/19/2024 20:49	WG2208465
2-Nitrophenol	ND		0.441	1	01/19/2024 20:49	WG2208465
4-Nitrophenol	ND		0.441	1	01/19/2024 20:49	WG2208465
Pentachlorophenol	ND		0.441	1	01/19/2024 20:49	WG2208465
Phenol	ND		0.441	1	01/19/2024 20:49	WG2208465
2,4,6-Trichlorophenol	ND		0.441	1	01/19/2024 20:49	WG2208465
(S) 2-Fluorophenol	46.7		12.0-120		01/19/2024 20:49	WG2208465
(S) Phenol-d5	44.7		10.0-120		01/19/2024 20:49	WG2208465
(S) Nitrobenzene-d5	37.6		10.0-122		01/19/2024 20:49	WG2208465
(S) 2-Fluorobiphenyl	42.1		15.0-120		01/19/2024 20:49	WG2208465
(S) 2,4,6-Tribromophenol	47.7		10.0-127		01/19/2024 20:49	WG2208465
(S) p-Terphenyl-d14	45.8		10.0-120		01/19/2024 20:49	WG2208465

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.9		1	01/18/2024 06:25	WG2208489

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.35	1	01/24/2024 17:38	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0574		0.0541	1	01/18/2024 13:59	WG2208331

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.06	5	01/24/2024 17:39	WG2208838
Arsenic	2.15		1.35	5	01/24/2024 17:39	WG2208838
Barium	123		3.38	5	01/24/2024 17:39	WG2208838
Beryllium	ND		3.38	5	01/24/2024 17:39	WG2208838
Cadmium	ND		1.35	5	01/24/2024 17:39	WG2208838
Chromium	20.0		6.76	5	01/24/2024 17:39	WG2208838
Cobalt	9.69		1.35	5	01/24/2024 17:39	WG2208838
Copper	10.6		6.76	5	01/24/2024 17:39	WG2208838
Lead	22.0		2.71	5	01/24/2024 17:39	WG2208838
Manganese	727		3.38	5	01/24/2024 17:39	WG2208838
Nickel	15.1		3.38	5	01/24/2024 17:39	WG2208838
Selenium	ND		3.38	5	01/24/2024 17:39	WG2208838
Silver	ND		0.676	5	01/24/2024 17:39	WG2208838
Thallium	ND		2.71	5	01/24/2024 17:39	WG2208838
Vanadium	30.1		3.38	5	01/24/2024 17:39	WG2208838
Zinc	41.8		33.8	5	01/24/2024 17:39	WG2208838

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0903	1	01/17/2024 17:43	WG2208152
Acrylonitrile	ND		0.0226	1	01/17/2024 17:43	WG2208152
Benzene	ND		0.00181	1	01/17/2024 17:43	WG2208152
Bromobenzene	ND		0.0226	1	01/17/2024 17:43	WG2208152
Bromodichloromethane	ND		0.00452	1	01/17/2024 17:43	WG2208152
Bromoform	ND		0.0452	1	01/17/2024 17:43	WG2208152
Bromomethane	ND		0.0226	1	01/17/2024 17:43	WG2208152
n-Butylbenzene	ND		0.0226	1	01/17/2024 17:43	WG2208152
sec-Butylbenzene	ND		0.0226	1	01/17/2024 17:43	WG2208152
tert-Butylbenzene	ND		0.00903	1	01/17/2024 17:43	WG2208152
Carbon tetrachloride	ND		0.00903	1	01/17/2024 17:43	WG2208152
Chlorobenzene	ND		0.00452	1	01/17/2024 17:43	WG2208152
Chlorodibromomethane	ND		0.00452	1	01/17/2024 17:43	WG2208152
Chloroethane	ND		0.00903	1	01/17/2024 17:43	WG2208152
Chloroform	ND		0.00452	1	01/17/2024 17:43	WG2208152
Chloromethane	ND		0.0226	1	01/17/2024 17:43	WG2208152
2-Chlorotoluene	ND		0.00452	1	01/17/2024 17:43	WG2208152
4-Chlorotoluene	ND		0.00903	1	01/17/2024 17:43	WG2208152
1,2-Dibromo-3-Chloropropane	ND		0.0452	1	01/17/2024 17:43	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00452	1	01/17/2024 17:43	WG2208152
Dibromomethane	ND		0.00903	1	01/17/2024 17:43	WG2208152
1,2-Dichlorobenzene	ND		0.00903	1	01/17/2024 17:43	WG2208152
1,3-Dichlorobenzene	ND		0.00903	1	01/17/2024 17:43	WG2208152
1,4-Dichlorobenzene	ND		0.00903	1	01/17/2024 17:43	WG2208152
Dichlorodifluoromethane	ND		0.00903	1	01/17/2024 17:43	WG2208152
1,1-Dichloroethane	ND		0.00452	1	01/17/2024 17:43	WG2208152
1,2-Dichloroethane	ND		0.00452	1	01/17/2024 17:43	WG2208152
1,1-Dichloroethene	ND		0.00452	1	01/17/2024 17:43	WG2208152
cis-1,2-Dichloroethene	ND		0.00452	1	01/17/2024 17:43	WG2208152
trans-1,2-Dichloroethene	ND		0.00903	1	01/17/2024 17:43	WG2208152
1,2-Dichloropropane	ND		0.00903	1	01/17/2024 17:43	WG2208152
1,1-Dichloropropene	ND		0.00452	1	01/17/2024 17:43	WG2208152
1,3-Dichloropropane	ND		0.00903	1	01/17/2024 17:43	WG2208152
cis-1,3-Dichloropropene	ND		0.00452	1	01/17/2024 17:43	WG2208152
trans-1,3-Dichloropropene	ND		0.00903	1	01/17/2024 17:43	WG2208152
2,2-Dichloropropane	ND		0.00452	1	01/17/2024 17:43	WG2208152
Di-isopropyl ether	ND		0.00181	1	01/17/2024 17:43	WG2208152
Ethylbenzene	ND		0.00452	1	01/17/2024 17:43	WG2208152
Hexachloro-1,3-butadiene	ND		0.0452	1	01/17/2024 17:43	WG2208152
Isopropylbenzene	ND		0.00452	1	01/17/2024 17:43	WG2208152
p-Isopropyltoluene	ND		0.00903	1	01/17/2024 17:43	WG2208152
2-Butanone (MEK)	ND		0.181	1	01/17/2024 17:43	WG2208152
Methylene Chloride	ND		0.0452	1	01/17/2024 17:43	WG2208152
4-Methyl-2-pentanone (MIBK)	ND		0.0452	1	01/17/2024 17:43	WG2208152
Methyl tert-butyl ether	ND		0.00181	1	01/17/2024 17:43	WG2208152
Naphthalene	ND		0.0226	1	01/17/2024 17:43	WG2208152
n-Propylbenzene	ND		0.00903	1	01/17/2024 17:43	WG2208152
Styrene	ND		0.0226	1	01/17/2024 17:43	WG2208152
1,1,1,2-Tetrachloroethane	ND		0.00452	1	01/17/2024 17:43	WG2208152
1,1,2,2-Tetrachloroethane	ND		0.00452	1	01/17/2024 17:43	WG2208152
Tetrachloroethene	ND		0.00452	1	01/17/2024 17:43	WG2208152
Toluene	ND		0.00903	1	01/17/2024 17:43	WG2208152
1,2,3-Trichlorobenzene	ND		0.0226	1	01/17/2024 17:43	WG2208152
1,2,4-Trichlorobenzene	ND		0.0226	1	01/17/2024 17:43	WG2208152
1,1,1-Trichloroethane	ND		0.00452	1	01/17/2024 17:43	WG2208152
1,1,2-Trichloroethane	ND		0.00452	1	01/17/2024 17:43	WG2208152
Trichloroethene	ND		0.00181	1	01/17/2024 17:43	WG2208152
Trichlorofluoromethane	ND		0.00452	1	01/17/2024 17:43	WG2208152
1,2,3-Trichloropropane	ND		0.0226	1	01/17/2024 17:43	WG2208152
1,2,4-Trimethylbenzene	ND		0.00903	1	01/17/2024 17:43	WG2208152
1,3,5-Trimethylbenzene	ND		0.00903	1	01/17/2024 17:43	WG2208152
Vinyl chloride	ND		0.00452	1	01/17/2024 17:43	WG2208152
Xylenes, Total	ND		0.0117	1	01/17/2024 17:43	WG2208152
(S) Toluene-d8	98.9		75.0-131		01/17/2024 17:43	WG2208152
(S) 4-Bromofluorobenzene	102		67.0-138		01/17/2024 17:43	WG2208152
(S) 1,2-Dichloroethane-d4	93.1		70.0-130		01/17/2024 17:43	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	01/19/2024 20:08	WG2208465
Acenaphthylene	ND		0.0450	1	01/19/2024 20:08	WG2208465
Anthracene	ND		0.0450	1	01/19/2024 20:08	WG2208465
Benzidine	ND		2.26	1	01/19/2024 20:08	WG2208465
Benzo(a)anthracene	ND		0.0450	1	01/19/2024 20:08	WG2208465

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0450	1	01/19/2024 20:08	WG2208465
Benzo(k)fluoranthene	ND		0.0450	1	01/19/2024 20:08	WG2208465
Benzo(g,h,i)perylene	ND		0.0450	1	01/19/2024 20:08	WG2208465
Benzo(a)pyrene	ND		0.0450	1	01/19/2024 20:08	WG2208465
Bis(2-chloroethoxy)methane	ND		0.450	1	01/19/2024 20:08	WG2208465
Bis(2-chloroethyl)ether	ND		0.450	1	01/19/2024 20:08	WG2208465
2,2-Oxybis(1-Chloropropane)	ND		0.450	1	01/19/2024 20:08	WG2208465
4-Bromophenyl-phenylether	ND		0.450	1	01/19/2024 20:08	WG2208465
2-Chloronaphthalene	ND		0.0450	1	01/19/2024 20:08	WG2208465
4-Chlorophenyl-phenylether	ND		0.450	1	01/19/2024 20:08	WG2208465
Chrysene	ND		0.0450	1	01/19/2024 20:08	WG2208465
Dibenz(a,h)anthracene	ND		0.0450	1	01/19/2024 20:08	WG2208465
3,3-Dichlorobenzidine	ND		0.450	1	01/19/2024 20:08	WG2208465
2,4-Dinitrotoluene	ND		0.450	1	01/19/2024 20:08	WG2208465
2,6-Dinitrotoluene	ND		0.450	1	01/19/2024 20:08	WG2208465
Fluoranthene	ND		0.0450	1	01/19/2024 20:08	WG2208465
Fluorene	ND		0.0450	1	01/19/2024 20:08	WG2208465
Hexachlorobenzene	ND		0.450	1	01/19/2024 20:08	WG2208465
Hexachloro-1,3-butadiene	ND		0.450	1	01/19/2024 20:08	WG2208465
Hexachlorocyclopentadiene	ND		0.450	1	01/19/2024 20:08	WG2208465
Hexachloroethane	ND		0.450	1	01/19/2024 20:08	WG2208465
Indeno(1,2,3-cd)pyrene	ND		0.0450	1	01/19/2024 20:08	WG2208465
Isophorone	ND		0.450	1	01/19/2024 20:08	WG2208465
Naphthalene	ND		0.0450	1	01/19/2024 20:08	WG2208465
Nitrobenzene	ND		0.450	1	01/19/2024 20:08	WG2208465
n-Nitrosodimethylamine	ND		0.450	1	01/19/2024 20:08	WG2208465
n-Nitrosodiphenylamine	ND		0.450	1	01/19/2024 20:08	WG2208465
n-Nitrosodi-n-propylamine	ND		0.450	1	01/19/2024 20:08	WG2208465
Phenanthrene	ND		0.0450	1	01/19/2024 20:08	WG2208465
Benzylbutyl phthalate	ND		0.450	1	01/19/2024 20:08	WG2208465
Bis(2-ethylhexyl)phthalate	ND		0.450	1	01/19/2024 20:08	WG2208465
Di-n-butyl phthalate	ND		0.450	1	01/19/2024 20:08	WG2208465
Diethyl phthalate	ND		0.450	1	01/19/2024 20:08	WG2208465
Dimethyl phthalate	ND		0.450	1	01/19/2024 20:08	WG2208465
Di-n-octyl phthalate	ND		0.450	1	01/19/2024 20:08	WG2208465
Pyrene	ND		0.0450	1	01/19/2024 20:08	WG2208465
1,2,4-Trichlorobenzene	ND		0.450	1	01/19/2024 20:08	WG2208465
4-Chloro-3-methylphenol	ND		0.450	1	01/19/2024 20:08	WG2208465
2-Chlorophenol	ND		0.450	1	01/19/2024 20:08	WG2208465
2,4-Dichlorophenol	ND		0.450	1	01/19/2024 20:08	WG2208465
2,4-Dimethylphenol	ND		0.450	1	01/19/2024 20:08	WG2208465
4,6-Dinitro-2-methylphenol	ND		0.450	1	01/19/2024 20:08	WG2208465
2,4-Dinitrophenol	ND		0.450	1	01/19/2024 20:08	WG2208465
2-Nitrophenol	ND		0.450	1	01/19/2024 20:08	WG2208465
4-Nitrophenol	ND		0.450	1	01/19/2024 20:08	WG2208465
Pentachlorophenol	ND		0.450	1	01/19/2024 20:08	WG2208465
Phenol	ND		0.450	1	01/19/2024 20:08	WG2208465
2,4,6-Trichlorophenol	ND		0.450	1	01/19/2024 20:08	WG2208465
(S) 2-Fluorophenol	47.9		12.0-120		01/19/2024 20:08	WG2208465
(S) Phenol-d5	45.9		10.0-120		01/19/2024 20:08	WG2208465
(S) Nitrobenzene-d5	39.8		10.0-122		01/19/2024 20:08	WG2208465
(S) 2-Fluorobiphenyl	45.0		15.0-120		01/19/2024 20:08	WG2208465
(S) 2,4,6-Tribromophenol	51.7		10.0-127		01/19/2024 20:08	WG2208465
(S) p-Terphenyl-d14	50.2		10.0-120		01/19/2024 20:08	WG2208465

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	71.4		1	01/18/2024 06:15	WG2208490

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.40	1	01/24/2024 17:45	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	0.106		0.0560	1	01/18/2024 14:02	WG2208331

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		4.20	5	01/24/2024 17:42	WG2208838
Arsenic	3.27		1.40	5	01/24/2024 17:42	WG2208838
Barium	115		3.50	5	01/24/2024 17:42	WG2208838
Beryllium	ND		3.50	5	01/24/2024 17:42	WG2208838
Cadmium	ND		1.40	5	01/24/2024 17:42	WG2208838
Chromium	46.5		7.00	5	01/24/2024 17:42	WG2208838
Cobalt	17.1		1.40	5	01/24/2024 17:42	WG2208838
Copper	19.1		7.00	5	01/24/2024 17:42	WG2208838
Lead	31.4		2.80	5	01/24/2024 17:42	WG2208838
Manganese	884		3.50	5	01/24/2024 17:42	WG2208838
Nickel	22.4		3.50	5	01/24/2024 17:42	WG2208838
Selenium	ND		3.50	5	01/24/2024 17:42	WG2208838
Silver	ND		0.700	5	01/24/2024 17:42	WG2208838
Thallium	ND		2.80	5	01/24/2024 17:42	WG2208838
Vanadium	51.8		3.50	5	01/24/2024 17:42	WG2208838
Zinc	49.9		35.0	5	01/24/2024 17:42	WG2208838

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND		0.0939	1	01/17/2024 18:02	WG2208152
Acrylonitrile	ND		0.0235	1	01/17/2024 18:02	WG2208152
Benzene	ND		0.00188	1	01/17/2024 18:02	WG2208152
Bromobenzene	ND		0.0235	1	01/17/2024 18:02	WG2208152
Bromodichloromethane	ND		0.00469	1	01/17/2024 18:02	WG2208152
Bromoform	ND		0.0469	1	01/17/2024 18:02	WG2208152
Bromomethane	ND		0.0235	1	01/17/2024 18:02	WG2208152
n-Butylbenzene	ND		0.0235	1	01/17/2024 18:02	WG2208152
sec-Butylbenzene	ND		0.0235	1	01/17/2024 18:02	WG2208152
tert-Butylbenzene	ND		0.00939	1	01/17/2024 18:02	WG2208152
Carbon tetrachloride	ND		0.00939	1	01/17/2024 18:02	WG2208152
Chlorobenzene	ND		0.00469	1	01/17/2024 18:02	WG2208152
Chlorodibromomethane	ND		0.00469	1	01/17/2024 18:02	WG2208152
Chloroethane	ND		0.00939	1	01/17/2024 18:02	WG2208152
Chloroform	ND		0.00469	1	01/17/2024 18:02	WG2208152
Chloromethane	ND		0.0235	1	01/17/2024 18:02	WG2208152
2-Chlorotoluene	ND		0.00469	1	01/17/2024 18:02	WG2208152
4-Chlorotoluene	ND		0.00939	1	01/17/2024 18:02	WG2208152
1,2-Dibromo-3-Chloropropane	ND		0.0469	1	01/17/2024 18:02	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00469	1	01/17/2024 18:02	WG2208152
Dibromomethane	ND		0.00939	1	01/17/2024 18:02	WG2208152
1,2-Dichlorobenzene	ND		0.00939	1	01/17/2024 18:02	WG2208152
1,3-Dichlorobenzene	ND		0.00939	1	01/17/2024 18:02	WG2208152
1,4-Dichlorobenzene	ND		0.00939	1	01/17/2024 18:02	WG2208152
Dichlorodifluoromethane	ND		0.00939	1	01/17/2024 18:02	WG2208152
1,1-Dichloroethane	ND		0.00469	1	01/17/2024 18:02	WG2208152
1,2-Dichloroethane	ND		0.00469	1	01/17/2024 18:02	WG2208152
1,1-Dichloroethene	ND		0.00469	1	01/17/2024 18:02	WG2208152
cis-1,2-Dichloroethene	ND		0.00469	1	01/17/2024 18:02	WG2208152
trans-1,2-Dichloroethene	ND		0.00939	1	01/17/2024 18:02	WG2208152
1,2-Dichloropropane	ND		0.00939	1	01/17/2024 18:02	WG2208152
1,1-Dichloropropene	ND		0.00469	1	01/17/2024 18:02	WG2208152
1,3-Dichloropropane	ND		0.00939	1	01/17/2024 18:02	WG2208152
cis-1,3-Dichloropropene	ND		0.00469	1	01/17/2024 18:02	WG2208152
trans-1,3-Dichloropropene	ND		0.00939	1	01/17/2024 18:02	WG2208152
2,2-Dichloropropane	ND		0.00469	1	01/17/2024 18:02	WG2208152
Di-isopropyl ether	ND		0.00188	1	01/17/2024 18:02	WG2208152
Ethylbenzene	ND		0.00469	1	01/17/2024 18:02	WG2208152
Hexachloro-1,3-butadiene	ND		0.0469	1	01/17/2024 18:02	WG2208152
Isopropylbenzene	ND		0.00469	1	01/17/2024 18:02	WG2208152
p-Isopropyltoluene	ND		0.00939	1	01/17/2024 18:02	WG2208152
2-Butanone (MEK)	ND		0.188	1	01/17/2024 18:02	WG2208152
Methylene Chloride	ND		0.0469	1	01/17/2024 18:02	WG2208152
4-Methyl-2-pentanone (MIBK)	ND		0.0469	1	01/17/2024 18:02	WG2208152
Methyl tert-butyl ether	ND		0.00188	1	01/17/2024 18:02	WG2208152
Naphthalene	ND		0.0235	1	01/17/2024 18:02	WG2208152
n-Propylbenzene	ND		0.00939	1	01/17/2024 18:02	WG2208152
Styrene	ND		0.0235	1	01/17/2024 18:02	WG2208152
1,1,1,2-Tetrachloroethane	ND		0.00469	1	01/17/2024 18:02	WG2208152
1,1,2,2-Tetrachloroethane	ND		0.00469	1	01/17/2024 18:02	WG2208152
Tetrachloroethene	ND		0.00469	1	01/17/2024 18:02	WG2208152
Toluene	ND		0.00939	1	01/17/2024 18:02	WG2208152
1,2,3-Trichlorobenzene	ND		0.0235	1	01/17/2024 18:02	WG2208152
1,2,4-Trichlorobenzene	ND		0.0235	1	01/17/2024 18:02	WG2208152
1,1,1-Trichloroethane	ND		0.00469	1	01/17/2024 18:02	WG2208152
1,1,2-Trichloroethane	ND		0.00469	1	01/17/2024 18:02	WG2208152
Trichloroethene	ND		0.00188	1	01/17/2024 18:02	WG2208152
Trichlorofluoromethane	ND		0.00469	1	01/17/2024 18:02	WG2208152
1,2,3-Trichloropropane	ND		0.0235	1	01/17/2024 18:02	WG2208152
1,2,4-Trimethylbenzene	ND		0.00939	1	01/17/2024 18:02	WG2208152
1,3,5-Trimethylbenzene	ND		0.00939	1	01/17/2024 18:02	WG2208152
Vinyl chloride	ND		0.00469	1	01/17/2024 18:02	WG2208152
Xylenes, Total	ND		0.0122	1	01/17/2024 18:02	WG2208152
(S) Toluene-d8	99.2		75.0-131		01/17/2024 18:02	WG2208152
(S) 4-Bromofluorobenzene	105		67.0-138		01/17/2024 18:02	WG2208152
(S) 1,2-Dichloroethane-d4	93.6		70.0-130		01/17/2024 18:02	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0466	1	01/19/2024 20:28	WG2208465
Acenaphthylene	ND		0.0466	1	01/19/2024 20:28	WG2208465
Anthracene	ND		0.0466	1	01/19/2024 20:28	WG2208465
Benzidine	ND		2.34	1	01/19/2024 20:28	WG2208465
Benzo(a)anthracene	ND		0.0466	1	01/19/2024 20:28	WG2208465

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0466	1	01/19/2024 20:28	WG2208465
Benzo(k)fluoranthene	ND		0.0466	1	01/19/2024 20:28	WG2208465
Benzo(g,h,i)perylene	ND		0.0466	1	01/19/2024 20:28	WG2208465
Benzo(a)pyrene	ND		0.0466	1	01/19/2024 20:28	WG2208465
Bis(2-chloroethoxy)methane	ND		0.466	1	01/19/2024 20:28	WG2208465
Bis(2-chloroethyl)ether	ND		0.466	1	01/19/2024 20:28	WG2208465
2,2-Oxybis(1-Chloropropane)	ND		0.466	1	01/19/2024 20:28	WG2208465
4-Bromophenyl-phenylether	ND		0.466	1	01/19/2024 20:28	WG2208465
2-Chloronaphthalene	ND		0.0466	1	01/19/2024 20:28	WG2208465
4-Chlorophenyl-phenylether	ND		0.466	1	01/19/2024 20:28	WG2208465
Chrysene	ND		0.0466	1	01/19/2024 20:28	WG2208465
Dibenz(a,h)anthracene	ND		0.0466	1	01/19/2024 20:28	WG2208465
3,3-Dichlorobenzidine	ND		0.466	1	01/19/2024 20:28	WG2208465
2,4-Dinitrotoluene	ND		0.466	1	01/19/2024 20:28	WG2208465
2,6-Dinitrotoluene	ND		0.466	1	01/19/2024 20:28	WG2208465
Fluoranthene	0.0506		0.0466	1	01/19/2024 20:28	WG2208465
Fluorene	ND		0.0466	1	01/19/2024 20:28	WG2208465
Hexachlorobenzene	ND		0.466	1	01/19/2024 20:28	WG2208465
Hexachloro-1,3-butadiene	ND		0.466	1	01/19/2024 20:28	WG2208465
Hexachlorocyclopentadiene	ND		0.466	1	01/19/2024 20:28	WG2208465
Hexachloroethane	ND		0.466	1	01/19/2024 20:28	WG2208465
Indeno(1,2,3-cd)pyrene	ND		0.0466	1	01/19/2024 20:28	WG2208465
Isophorone	ND		0.466	1	01/19/2024 20:28	WG2208465
Naphthalene	ND		0.0466	1	01/19/2024 20:28	WG2208465
Nitrobenzene	ND		0.466	1	01/19/2024 20:28	WG2208465
n-Nitrosodimethylamine	ND		0.466	1	01/19/2024 20:28	WG2208465
n-Nitrosodiphenylamine	ND		0.466	1	01/19/2024 20:28	WG2208465
n-Nitrosodi-n-propylamine	ND		0.466	1	01/19/2024 20:28	WG2208465
Phenanthrene	ND		0.0466	1	01/19/2024 20:28	WG2208465
Benzylbutyl phthalate	ND		0.466	1	01/19/2024 20:28	WG2208465
Bis(2-ethylhexyl)phthalate	ND		0.466	1	01/19/2024 20:28	WG2208465
Di-n-butyl phthalate	ND		0.466	1	01/19/2024 20:28	WG2208465
Diethyl phthalate	ND		0.466	1	01/19/2024 20:28	WG2208465
Dimethyl phthalate	ND		0.466	1	01/19/2024 20:28	WG2208465
Di-n-octyl phthalate	ND		0.466	1	01/19/2024 20:28	WG2208465
Pyrene	0.0482		0.0466	1	01/19/2024 20:28	WG2208465
1,2,4-Trichlorobenzene	ND		0.466	1	01/19/2024 20:28	WG2208465
4-Chloro-3-methylphenol	ND		0.466	1	01/19/2024 20:28	WG2208465
2-Chlorophenol	ND		0.466	1	01/19/2024 20:28	WG2208465
2,4-Dichlorophenol	ND		0.466	1	01/19/2024 20:28	WG2208465
2,4-Dimethylphenol	ND		0.466	1	01/19/2024 20:28	WG2208465
4,6-Dinitro-2-methylphenol	ND		0.466	1	01/19/2024 20:28	WG2208465
2,4-Dinitrophenol	ND		0.466	1	01/19/2024 20:28	WG2208465
2-Nitrophenol	ND		0.466	1	01/19/2024 20:28	WG2208465
4-Nitrophenol	ND		0.466	1	01/19/2024 20:28	WG2208465
Pentachlorophenol	ND		0.466	1	01/19/2024 20:28	WG2208465
Phenol	ND		0.466	1	01/19/2024 20:28	WG2208465
2,4,6-Trichlorophenol	ND		0.466	1	01/19/2024 20:28	WG2208465
(S) 2-Fluorophenol	48.2		12.0-120		01/19/2024 20:28	WG2208465
(S) Phenol-d5	45.6		10.0-120		01/19/2024 20:28	WG2208465
(S) Nitrobenzene-d5	38.1		10.0-122		01/19/2024 20:28	WG2208465
(S) 2-Fluorobiphenyl	43.5		15.0-120		01/19/2024 20:28	WG2208465
(S) 2,4,6-Tribromophenol	50.3		10.0-127		01/19/2024 20:28	WG2208465
(S) p-Terphenyl-d14	45.9		10.0-120		01/19/2024 20:28	WG2208465

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.1		1	01/18/2024 06:15	WG2208490

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	2.46	J5	1.16	1	01/24/2024 17:51	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0465	1	01/18/2024 14:04	WG2208331

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.49	5	01/24/2024 17:45	WG2208838
Arsenic	1.58		1.16	5	01/24/2024 17:45	WG2208838
Barium	41.8		2.90	5	01/24/2024 17:45	WG2208838
Beryllium	ND		2.90	5	01/24/2024 17:45	WG2208838
Cadmium	ND		1.16	5	01/24/2024 17:45	WG2208838
Chromium	24.1		5.81	5	01/24/2024 17:45	WG2208838
Cobalt	10.1		1.16	5	01/24/2024 17:45	WG2208838
Copper	13.9		5.81	5	01/24/2024 17:45	WG2208838
Lead	14.6		2.32	5	01/24/2024 17:45	WG2208838
Manganese	277		2.90	5	01/24/2024 17:45	WG2208838
Nickel	15.5		2.90	5	01/24/2024 17:45	WG2208838
Selenium	ND		2.90	5	01/24/2024 17:45	WG2208838
Silver	ND		0.581	5	01/24/2024 17:45	WG2208838
Thallium	ND		2.32	5	01/24/2024 17:45	WG2208838
Vanadium	43.7		2.90	5	01/24/2024 17:45	WG2208838
Zinc	ND		29.0	5	01/24/2024 17:45	WG2208838

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0664	1	01/17/2024 18:22	WG2208152
Acrylonitrile	ND		0.0166	1	01/17/2024 18:22	WG2208152
Benzene	ND		0.00133	1	01/17/2024 18:22	WG2208152
Bromobenzene	ND		0.0166	1	01/17/2024 18:22	WG2208152
Bromodichloromethane	ND		0.00332	1	01/17/2024 18:22	WG2208152
Bromoform	ND		0.0332	1	01/17/2024 18:22	WG2208152
Bromomethane	ND		0.0166	1	01/17/2024 18:22	WG2208152
n-Butylbenzene	ND		0.0166	1	01/17/2024 18:22	WG2208152
sec-Butylbenzene	ND		0.0166	1	01/17/2024 18:22	WG2208152
tert-Butylbenzene	ND		0.00664	1	01/17/2024 18:22	WG2208152
Carbon tetrachloride	ND		0.00664	1	01/17/2024 18:22	WG2208152
Chlorobenzene	ND		0.00332	1	01/17/2024 18:22	WG2208152
Chlorodibromomethane	ND		0.00332	1	01/17/2024 18:22	WG2208152
Chloroethane	ND		0.00664	1	01/17/2024 18:22	WG2208152
Chloroform	ND		0.00332	1	01/17/2024 18:22	WG2208152
Chloromethane	ND		0.0166	1	01/17/2024 18:22	WG2208152
2-Chlorotoluene	ND		0.00332	1	01/17/2024 18:22	WG2208152
4-Chlorotoluene	ND		0.00664	1	01/17/2024 18:22	WG2208152
1,2-Dibromo-3-Chloropropane	ND		0.0332	1	01/17/2024 18:22	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00332	1	01/17/2024 18:22	WG2208152
Dibromomethane	ND		0.00664	1	01/17/2024 18:22	WG2208152
1,2-Dichlorobenzene	ND		0.00664	1	01/17/2024 18:22	WG2208152
1,3-Dichlorobenzene	ND		0.00664	1	01/17/2024 18:22	WG2208152
1,4-Dichlorobenzene	ND		0.00664	1	01/17/2024 18:22	WG2208152
Dichlorodifluoromethane	ND		0.00664	1	01/17/2024 18:22	WG2208152
1,1-Dichloroethane	ND		0.00332	1	01/17/2024 18:22	WG2208152
1,2-Dichloroethane	ND		0.00332	1	01/17/2024 18:22	WG2208152
1,1-Dichloroethene	ND		0.00332	1	01/17/2024 18:22	WG2208152
cis-1,2-Dichloroethene	ND		0.00332	1	01/17/2024 18:22	WG2208152
trans-1,2-Dichloroethene	ND		0.00664	1	01/17/2024 18:22	WG2208152
1,2-Dichloropropane	ND		0.00664	1	01/17/2024 18:22	WG2208152
1,1-Dichloropropene	ND		0.00332	1	01/17/2024 18:22	WG2208152
1,3-Dichloropropane	ND		0.00664	1	01/17/2024 18:22	WG2208152
cis-1,3-Dichloropropene	ND		0.00332	1	01/17/2024 18:22	WG2208152
trans-1,3-Dichloropropene	ND		0.00664	1	01/17/2024 18:22	WG2208152
2,2-Dichloropropane	ND		0.00332	1	01/17/2024 18:22	WG2208152
Di-isopropyl ether	ND		0.00133	1	01/17/2024 18:22	WG2208152
Ethylbenzene	ND		0.00332	1	01/17/2024 18:22	WG2208152
Hexachloro-1,3-butadiene	ND		0.0332	1	01/17/2024 18:22	WG2208152
Isopropylbenzene	ND		0.00332	1	01/17/2024 18:22	WG2208152
p-Isopropyltoluene	ND		0.00664	1	01/17/2024 18:22	WG2208152
2-Butanone (MEK)	ND		0.133	1	01/17/2024 18:22	WG2208152
Methylene Chloride	ND		0.0332	1	01/17/2024 18:22	WG2208152
4-Methyl-2-pentanone (MIBK)	ND		0.0332	1	01/17/2024 18:22	WG2208152
Methyl tert-butyl ether	ND		0.00133	1	01/17/2024 18:22	WG2208152
Naphthalene	ND		0.0166	1	01/17/2024 18:22	WG2208152
n-Propylbenzene	ND		0.00664	1	01/17/2024 18:22	WG2208152
Styrene	ND		0.0166	1	01/17/2024 18:22	WG2208152
1,1,1,2-Tetrachloroethane	ND		0.00332	1	01/17/2024 18:22	WG2208152
1,1,2,2-Tetrachloroethane	ND		0.00332	1	01/17/2024 18:22	WG2208152
Tetrachloroethene	ND		0.00332	1	01/17/2024 18:22	WG2208152
Toluene	ND		0.00664	1	01/17/2024 18:22	WG2208152
1,2,3-Trichlorobenzene	ND		0.0166	1	01/17/2024 18:22	WG2208152
1,2,4-Trichlorobenzene	ND		0.0166	1	01/17/2024 18:22	WG2208152
1,1,1-Trichloroethane	ND		0.00332	1	01/17/2024 18:22	WG2208152
1,1,2-Trichloroethane	ND		0.00332	1	01/17/2024 18:22	WG2208152
Trichloroethene	ND		0.00133	1	01/17/2024 18:22	WG2208152
Trichlorofluoromethane	ND		0.00332	1	01/17/2024 18:22	WG2208152
1,2,3-Trichloropropane	ND		0.0166	1	01/17/2024 18:22	WG2208152
1,2,4-Trimethylbenzene	ND		0.00664	1	01/17/2024 18:22	WG2208152
1,3,5-Trimethylbenzene	ND		0.00664	1	01/17/2024 18:22	WG2208152
Vinyl chloride	ND		0.00332	1	01/17/2024 18:22	WG2208152
Xylenes, Total	ND		0.00864	1	01/17/2024 18:22	WG2208152
(S) Toluene-d8	102		75.0-131		01/17/2024 18:22	WG2208152
(S) 4-Bromofluorobenzene	102		67.0-138		01/17/2024 18:22	WG2208152
(S) 1,2-Dichloroethane-d4	89.6		70.0-130		01/17/2024 18:22	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0387	1	01/19/2024 21:50	WG2208465
Acenaphthylene	ND		0.0387	1	01/19/2024 21:50	WG2208465
Anthracene	0.0564		0.0387	1	01/19/2024 21:50	WG2208465
Benzidine	ND		1.94	1	01/19/2024 21:50	WG2208465
Benzo(a)anthracene	0.185		0.0387	1	01/19/2024 21:50	WG2208465

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.221		0.0387	1	01/19/2024 21:50	WG2208465
Benzo(k)fluoranthene	0.0818		0.0387	1	01/19/2024 21:50	WG2208465
Benzo(g,h,i)perylene	0.111		0.0387	1	01/19/2024 21:50	WG2208465
Benzo(a)pyrene	0.168		0.0387	1	01/19/2024 21:50	WG2208465
Bis(2-chloroethoxy)methane	ND		0.387	1	01/19/2024 21:50	WG2208465
Bis(2-chloroethyl)ether	ND		0.387	1	01/19/2024 21:50	WG2208465
2,2-Oxybis(1-Chloropropane)	ND		0.387	1	01/19/2024 21:50	WG2208465
4-Bromophenyl-phenylether	ND		0.387	1	01/19/2024 21:50	WG2208465
2-Chloronaphthalene	ND		0.0387	1	01/19/2024 21:50	WG2208465
4-Chlorophenyl-phenylether	ND		0.387	1	01/19/2024 21:50	WG2208465
Chrysene	0.187		0.0387	1	01/19/2024 21:50	WG2208465
Dibenz(a,h)anthracene	ND		0.0387	1	01/19/2024 21:50	WG2208465
3,3-Dichlorobenzidine	ND		0.387	1	01/19/2024 21:50	WG2208465
2,4-Dinitrotoluene	ND		0.387	1	01/19/2024 21:50	WG2208465
2,6-Dinitrotoluene	ND		0.387	1	01/19/2024 21:50	WG2208465
Fluoranthene	0.402		0.0387	1	01/19/2024 21:50	WG2208465
Fluorene	ND		0.0387	1	01/19/2024 21:50	WG2208465
Hexachlorobenzene	ND		0.387	1	01/19/2024 21:50	WG2208465
Hexachloro-1,3-butadiene	ND		0.387	1	01/19/2024 21:50	WG2208465
Hexachlorocyclopentadiene	ND		0.387	1	01/19/2024 21:50	WG2208465
Hexachloroethane	ND		0.387	1	01/19/2024 21:50	WG2208465
Indeno(1,2,3-cd)pyrene	0.109		0.0387	1	01/19/2024 21:50	WG2208465
Isophorone	ND		0.387	1	01/19/2024 21:50	WG2208465
Naphthalene	ND		0.0387	1	01/19/2024 21:50	WG2208465
Nitrobenzene	ND		0.387	1	01/19/2024 21:50	WG2208465
n-Nitrosodimethylamine	ND		0.387	1	01/19/2024 21:50	WG2208465
n-Nitrosodiphenylamine	ND		0.387	1	01/19/2024 21:50	WG2208465
n-Nitrosodi-n-propylamine	ND		0.387	1	01/19/2024 21:50	WG2208465
Phenanthrene	0.237		0.0387	1	01/19/2024 21:50	WG2208465
Benzylbutyl phthalate	ND		0.387	1	01/19/2024 21:50	WG2208465
Bis(2-ethylhexyl)phthalate	ND		0.387	1	01/19/2024 21:50	WG2208465
Di-n-butyl phthalate	ND		0.387	1	01/19/2024 21:50	WG2208465
Diethyl phthalate	ND		0.387	1	01/19/2024 21:50	WG2208465
Dimethyl phthalate	ND		0.387	1	01/19/2024 21:50	WG2208465
Di-n-octyl phthalate	ND		0.387	1	01/19/2024 21:50	WG2208465
Pyrene	0.351		0.0387	1	01/19/2024 21:50	WG2208465
1,2,4-Trichlorobenzene	ND		0.387	1	01/19/2024 21:50	WG2208465
4-Chloro-3-methylphenol	ND		0.387	1	01/19/2024 21:50	WG2208465
2-Chlorophenol	ND		0.387	1	01/19/2024 21:50	WG2208465
2,4-Dichlorophenol	ND		0.387	1	01/19/2024 21:50	WG2208465
2,4-Dimethylphenol	ND		0.387	1	01/19/2024 21:50	WG2208465
4,6-Dinitro-2-methylphenol	ND		0.387	1	01/19/2024 21:50	WG2208465
2,4-Dinitrophenol	ND		0.387	1	01/19/2024 21:50	WG2208465
2-Nitrophenol	ND		0.387	1	01/19/2024 21:50	WG2208465
4-Nitrophenol	ND		0.387	1	01/19/2024 21:50	WG2208465
Pentachlorophenol	ND		0.387	1	01/19/2024 21:50	WG2208465
Phenol	ND		0.387	1	01/19/2024 21:50	WG2208465
2,4,6-Trichlorophenol	ND		0.387	1	01/19/2024 21:50	WG2208465
(S) 2-Fluorophenol	55.6		12.0-120		01/19/2024 21:50	WG2208465
(S) Phenol-d5	52.5		10.0-120		01/19/2024 21:50	WG2208465
(S) Nitrobenzene-d5	44.8		10.0-122		01/19/2024 21:50	WG2208465
(S) 2-Fluorobiphenyl	52.8		15.0-120		01/19/2024 21:50	WG2208465
(S) 2,4,6-Tribromophenol	59.9		10.0-127		01/19/2024 21:50	WG2208465
(S) p-Terphenyl-d14	56.8		10.0-120		01/19/2024 21:50	WG2208465

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND	J3	50.0	1	01/18/2024 12:05	WG2208632
Acrolein	ND	J3 J4	50.0	1	01/18/2024 12:05	WG2208632
Acrylonitrile	ND		10.0	1	01/18/2024 12:05	WG2208632
Benzene	ND		1.00	1	01/18/2024 12:05	WG2208632
Bromobenzene	ND		1.00	1	01/18/2024 12:05	WG2208632
Bromodichloromethane	ND		1.00	1	01/18/2024 12:05	WG2208632
Bromoform	ND		1.00	1	01/18/2024 12:05	WG2208632
Bromomethane	ND		5.00	1	01/18/2024 12:05	WG2208632
n-Butylbenzene	ND		1.00	1	01/18/2024 12:05	WG2208632
sec-Butylbenzene	ND		1.00	1	01/18/2024 12:05	WG2208632
tert-Butylbenzene	ND		1.00	1	01/18/2024 12:05	WG2208632
Carbon tetrachloride	ND		1.00	1	01/18/2024 12:05	WG2208632
Chlorobenzene	ND		1.00	1	01/18/2024 12:05	WG2208632
Chlorodibromomethane	ND		1.00	1	01/18/2024 12:05	WG2208632
Chloroethane	ND		5.00	1	01/18/2024 12:05	WG2208632
Chloroform	ND		5.00	1	01/18/2024 12:05	WG2208632
Chloromethane	ND		2.50	1	01/18/2024 12:05	WG2208632
2-Chlorotoluene	ND		1.00	1	01/18/2024 12:05	WG2208632
4-Chlorotoluene	ND		1.00	1	01/18/2024 12:05	WG2208632
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/18/2024 12:05	WG2208632
1,2-Dibromoethane	ND		1.00	1	01/18/2024 12:05	WG2208632
Dibromomethane	ND		1.00	1	01/18/2024 12:05	WG2208632
1,2-Dichlorobenzene	ND		1.00	1	01/18/2024 12:05	WG2208632
1,3-Dichlorobenzene	ND		1.00	1	01/18/2024 12:05	WG2208632
1,4-Dichlorobenzene	ND		1.00	1	01/18/2024 12:05	WG2208632
Dichlorodifluoromethane	ND		5.00	1	01/18/2024 12:05	WG2208632
1,1-Dichloroethane	ND		1.00	1	01/18/2024 12:05	WG2208632
1,2-Dichloroethane	ND		1.00	1	01/18/2024 12:05	WG2208632
1,1-Dichloroethene	ND		1.00	1	01/18/2024 12:05	WG2208632
cis-1,2-Dichloroethene	ND		1.00	1	01/18/2024 12:05	WG2208632
trans-1,2-Dichloroethene	ND		1.00	1	01/18/2024 12:05	WG2208632
1,2-Dichloropropane	ND		1.00	1	01/18/2024 12:05	WG2208632
1,1-Dichloropropene	ND		1.00	1	01/18/2024 12:05	WG2208632
1,3-Dichloropropane	ND		1.00	1	01/18/2024 12:05	WG2208632
cis-1,3-Dichloropropene	ND		1.00	1	01/18/2024 12:05	WG2208632
trans-1,3-Dichloropropene	ND		1.00	1	01/18/2024 12:05	WG2208632
2,2-Dichloropropane	ND		1.00	1	01/18/2024 12:05	WG2208632
Di-isopropyl ether	ND		1.00	1	01/18/2024 12:05	WG2208632
Ethylbenzene	ND		1.00	1	01/18/2024 12:05	WG2208632
Hexachloro-1,3-butadiene	ND		1.00	1	01/18/2024 12:05	WG2208632
Isopropylbenzene	ND		1.00	1	01/18/2024 12:05	WG2208632
p-Isopropyltoluene	ND		1.00	1	01/18/2024 12:05	WG2208632
2-Butanone (MEK)	ND		10.0	1	01/18/2024 12:05	WG2208632
Methylene Chloride	ND		5.00	1	01/18/2024 12:05	WG2208632
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/18/2024 12:05	WG2208632
Methyl tert-butyl ether	ND		1.00	1	01/18/2024 12:05	WG2208632
Naphthalene	ND		5.00	1	01/18/2024 12:05	WG2208632
n-Propylbenzene	ND		1.00	1	01/18/2024 12:05	WG2208632
Styrene	ND		1.00	1	01/18/2024 12:05	WG2208632
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/18/2024 12:05	WG2208632
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/18/2024 12:05	WG2208632
Tetrachloroethene	ND		1.00	1	01/18/2024 12:05	WG2208632
Toluene	ND		1.00	1	01/18/2024 12:05	WG2208632
1,2,3-Trichlorobenzene	ND		1.00	1	01/18/2024 12:05	WG2208632
1,2,4-Trichlorobenzene	ND		1.00	1	01/18/2024 12:05	WG2208632
1,1,1-Trichloroethane	ND		1.00	1	01/18/2024 12:05	WG2208632

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	01/18/2024 12:05	WG2208632
Trichloroethene	ND		1.00	1	01/18/2024 12:05	WG2208632
Trichlorofluoromethane	ND		5.00	1	01/18/2024 12:05	WG2208632
1,2,3-Trichloropropane	ND		2.50	1	01/18/2024 12:05	WG2208632
1,2,4-Trimethylbenzene	ND		1.00	1	01/18/2024 12:05	WG2208632
1,3,5-Trimethylbenzene	ND		1.00	1	01/18/2024 12:05	WG2208632
Vinyl chloride	ND		1.00	1	01/18/2024 12:05	WG2208632
Xylenes, Total	ND		3.00	1	01/18/2024 12:05	WG2208632
(S) Toluene-d8	101		80.0-120		01/18/2024 12:05	WG2208632
(S) 4-Bromofluorobenzene	99.2		77.0-126		01/18/2024 12:05	WG2208632
(S) 1,2-Dichloroethane-d4	94.0		70.0-130		01/18/2024 12:05	WG2208632

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

Method Blank (MB)

(MB) R4023987-1 01/18/24 06:25

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

¹ Cp

² Tc

³ Ss

L1696432-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1696432-01 01/18/24 06:25 • (DUP) R4023987-3 01/18/24 06:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	83.6	85.9	1	2.68		10

⁴ Cn

⁵ Sr

Laboratory Control Sample (LCS)

(LCS) R4023987-2 01/18/24 06:25

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

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4023979-1 01/18/24 06:15

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

1 Cp

2 Tc

3 Ss

L1696432-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1696432-11 01/18/24 06:15 • (DUP) R4023979-3 01/18/24 06:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	86.1	83.0	1	3.60		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4023979-2 01/18/24 06:15

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4025859-1 01/24/24 04:46

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1696372-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1696372-05 01/24/24 06:15 • (DUP) R4025859-7 01/24/24 06:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

L1696377-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1696377-06 01/24/24 14:34 • (DUP) R4025859-13 01/24/24 14:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	200	P1	20

Laboratory Control Sample (LCS)

(LCS) R4025859-2 01/24/24 04:55

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	11.2	112	80.0-120	

L1696372-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696372-01 01/24/24 05:13 • (MS) R4025859-4 01/24/24 05:26 • (MSD) R4025859-5 01/24/24 05:32

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	20.0	ND	15.4	15.2	77.1	76.2	1	75.0-125			1.15	20

L1696377-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696377-03 01/24/24 13:51 • (MS) R4025859-9 01/24/24 13:57 • (MSD) R4025859-10 01/24/24 14:03

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	20.0	ND	18.5	20.8	90.2	102	1	75.0-125			11.8	20

L1696372-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1696372-01 01/24/24 05:13 • (MS) R4025859-6 01/24/24 05:38

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Hexavalent Chromium	654	ND	516	78.8	50	75.0-125	

L1696377-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1696377-03 01/24/24 13:51 • (MS) R4025859-11 01/24/24 14:09

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Hexavalent Chromium	651	ND	669	103	50	75.0-125	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4025969-1 01/24/24 16:53

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1696435-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1696435-02 01/24/24 18:40 • (DUP) R4025969-7 01/24/24 18:47

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

L1696435-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1696435-07 01/24/24 19:55 • (DUP) R4025969-12 01/24/24 20:01

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	1.59	1	18.6		20

Laboratory Control Sample (LCS)

(LCS) R4025969-2 01/24/24 17:01

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.6	106	80.0-120	

L1696432-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696432-11 01/24/24 17:51 • (MS) R4025969-3 01/24/24 18:09 • (MSD) R4025969-4 01/24/24 18:16

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	23.2	2.46	26.8	22.8	105	87.6	1	75.0-125			16.1	20

L1696435-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696435-05 01/24/24 19:05 • (MS) R4025969-8 01/24/24 19:24 • (MSD) R4025969-9 01/24/24 19:30

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
Hexavalent Chromium	27.1	ND	23.3	26.0	83.2	93.3	1	75.0-125			11.1	20

¹Cp

²Tc

³Ss

L1696432-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1696432-11 01/24/24 17:51 • (MS) R4025969-5 01/24/24 18:22

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	753	2.46	1070	142	50	75.0-125	J5

⁴Cn

⁵Sr

⁶Qc

L1696435-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1696435-05 01/24/24 19:05 • (MS) R4025969-10 01/24/24 19:36

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	874	ND	809	92.6	50	75.0-125	

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023995-1 01/18/24 12:28

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4023995-3 01/18/24 13:02

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.600	120	80.0-120	

4 Cn

5 Sr

L1696416-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696416-01 01/18/24 12:58 • (MS) R4023995-4 01/18/24 13:05 • (MSD) R4023995-5 01/18/24 13:07

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.556	ND	0.569	0.546	102	98.3	1	75.0-125			4.07	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4025940-1 01/24/24 16:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	0.310	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	U		0.133	5.00
Lead	0.109	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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4025940-2 01/24/24 16:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	90.0	90.0	80.0-120	
Arsenic	100	86.7	86.7	80.0-120	
Barium	100	81.8	81.8	80.0-120	
Beryllium	100	82.5	82.5	80.0-120	
Cadmium	100	89.7	89.7	80.0-120	
Chromium	100	85.4	85.4	80.0-120	
Cobalt	100	89.3	89.3	80.0-120	
Copper	100	85.8	85.8	80.0-120	
Lead	100	86.6	86.6	80.0-120	
Manganese	100	87.0	87.0	80.0-120	
Nickel	100	89.5	89.5	80.0-120	
Selenium	100	87.4	87.4	80.0-120	
Silver	20.0	17.6	88.0	80.0-120	
Thallium	100	86.0	86.0	80.0-120	
Vanadium	100	85.7	85.7	80.0-120	
Zinc	100	85.0	85.0	80.0-120	

L1696432-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696432-01 01/24/24 16:46 • (MS) R4025940-5 01/24/24 16:56 • (MSD) R4025940-6 01/24/24 16:59

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	120	ND	103	99.0	85.6	82.4	5	75.0-125			3.76	20
Arsenic	120	2.00	116	117	95.4	95.8	5	75.0-125			0.479	20
Barium	120	57.3	177	180	100	102	5	75.0-125			1.42	20
Beryllium	120	ND	112	110	93.4	91.3	5	75.0-125			2.23	20
Cadmium	120	ND	124	124	103	104	5	75.0-125			0.526	20
Chromium	120	36.4	154	291	98.4	213	5	75.0-125		J3 J5	61.4	20
Cobalt	120	16.3	153	140	114	104	5	75.0-125			8.58	20
Copper	120	16.2	143	138	106	102	5	75.0-125			3.56	20
Lead	120	17.8	139	141	101	103	5	75.0-125			1.32	20
Manganese	120	465	1230	774	640	259	5	75.0-125	J5	J3 J5	45.5	20
Nickel	120	22.6	150	147	106	104	5	75.0-125			1.76	20
Selenium	120	ND	122	122	101	102	5	75.0-125			0.166	20
Silver	23.9	0.801	25.3	26.8	102	109	5	75.0-125			6.06	20
Thallium	120	ND	120	121	100	101	5	75.0-125			0.448	20
Vanadium	120	48.0	178	192	108	121	5	75.0-125			7.88	20
Zinc	120	33.9	151	159	98.3	104	5	75.0-125			4.63	20

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

Method Blank (MB)

(MB) R4023943-2 01/17/24 11:07

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023943-2 01/17/24 11:07

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	104			75.0-131
(S) 4-Bromofluorobenzene	96.4			67.0-138
(S) 1,2-Dichloroethane-d4	88.4			70.0-130

¹Cp

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⁶Qc

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⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4023943-1 01/17/24 09:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.744	119	10.0-160	
Acrylonitrile	0.625	0.608	97.3	45.0-153	
Benzene	0.125	0.125	100	70.0-123	
Bromobenzene	0.125	0.139	111	73.0-121	
Bromodichloromethane	0.125	0.131	105	73.0-121	
Bromoform	0.125	0.128	102	64.0-132	
Bromomethane	0.125	0.141	113	56.0-147	

Laboratory Control Sample (LCS)

(LCS) R4023943-1 01/17/24 09:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
n-Butylbenzene	0.125	0.128	102	68.0-135	
sec-Butylbenzene	0.125	0.131	105	74.0-130	
tert-Butylbenzene	0.125	0.138	110	75.0-127	
Carbon tetrachloride	0.125	0.133	106	66.0-128	
Chlorobenzene	0.125	0.130	104	76.0-128	
Chlorodibromomethane	0.125	0.124	99.2	74.0-127	
Chloroethane	0.125	0.151	121	61.0-134	
Chloroform	0.125	0.124	99.2	72.0-123	
Chloromethane	0.125	0.140	112	51.0-138	
2-Chlorotoluene	0.125	0.133	106	75.0-124	
4-Chlorotoluene	0.125	0.128	102	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.0997	79.8	59.0-130	
1,2-Dibromoethane	0.125	0.134	107	74.0-128	
Dibromomethane	0.125	0.125	100	75.0-122	
1,2-Dichlorobenzene	0.125	0.128	102	76.0-124	
1,3-Dichlorobenzene	0.125	0.134	107	76.0-125	
1,4-Dichlorobenzene	0.125	0.128	102	77.0-121	
Dichlorodifluoromethane	0.125	0.149	119	43.0-156	
1,1-Dichloroethane	0.125	0.135	108	70.0-127	
1,2-Dichloroethane	0.125	0.121	96.8	65.0-131	
1,1-Dichloroethene	0.125	0.135	108	65.0-131	
cis-1,2-Dichloroethene	0.125	0.131	105	73.0-125	
trans-1,2-Dichloroethene	0.125	0.132	106	71.0-125	
1,2-Dichloropropane	0.125	0.129	103	74.0-125	
1,1-Dichloropropene	0.125	0.136	109	73.0-125	
1,3-Dichloropropane	0.125	0.131	105	80.0-125	
cis-1,3-Dichloropropene	0.125	0.140	112	76.0-127	
trans-1,3-Dichloropropene	0.125	0.144	115	73.0-127	
2,2-Dichloropropane	0.125	0.157	126	59.0-135	
Di-isopropyl ether	0.125	0.123	98.4	60.0-136	
Ethylbenzene	0.125	0.135	108	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.122	97.6	57.0-150	
Isopropylbenzene	0.125	0.141	113	72.0-127	
p-Isopropyltoluene	0.125	0.136	109	72.0-133	
2-Butanone (MEK)	0.625	0.620	99.2	30.0-160	
Methylene Chloride	0.125	0.138	110	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.628	100	56.0-143	
Methyl tert-butyl ether	0.125	0.147	118	66.0-132	
Naphthalene	0.125	0.121	96.8	59.0-130	
n-Propylbenzene	0.125	0.130	104	74.0-126	

¹Cp

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³Ss

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Laboratory Control Sample (LCS)

(LCS) R4023943-1 01/17/24 09:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Styrene	0.125	0.130	104	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.142	114	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.120	96.0	68.0-128	
Tetrachloroethene	0.125	0.144	115	70.0-136	
Toluene	0.125	0.128	102	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.129	103	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.126	101	62.0-137	
1,1,1-Trichloroethane	0.125	0.145	116	69.0-126	
1,1,2-Trichloroethane	0.125	0.138	110	78.0-123	
Trichloroethene	0.125	0.124	99.2	76.0-126	
Trichlorofluoromethane	0.125	0.152	122	61.0-142	
1,2,3-Trichloropropane	0.125	0.122	97.6	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.131	105	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.131	105	73.0-127	
Vinyl chloride	0.125	0.150	120	63.0-134	
Xylenes, Total	0.375	0.345	92.0	72.0-127	
(S) Toluene-d8			99.8	75.0-131	
(S) 4-Bromofluorobenzene			99.0	67.0-138	
(S) 1,2-Dichloroethane-d4			94.1	70.0-130	

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

Method Blank (MB)

(MB) R4024396-3 01/18/24 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

¹Cp

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⁹Sc

Method Blank (MB)

(MB) R4024396-3 01/18/24 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	106			80.0-120
(S) 4-Bromofluorobenzene	99.9			77.0-126
(S) 1,2-Dichloroethane-d4	93.8			70.0-130

¹Cp

²Tc

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⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4024396-1 01/18/24 08:34 • (LCSD) R4024396-2 01/18/24 08:53

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	27.1	36.8	108	147	19.0-160		J3	30.4	27
Acrolein	25.0	66.5	44.5	266	178	10.0-160	J4	J3 J4	39.6	26
Acrylonitrile	25.0	29.9	28.2	120	113	55.0-149			5.85	20
Benzene	5.00	5.69	5.65	114	113	70.0-123			0.705	20
Bromobenzene	5.00	5.07	4.90	101	98.0	73.0-121			3.41	20
Bromodichloromethane	5.00	5.52	5.27	110	105	75.0-120			4.63	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4024396-1 01/18/24 08:34 • (LCSD) R4024396-2 01/18/24 08:53

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	5.44	4.96	109	99.2	68.0-132			9.23	20
Bromomethane	5.00	5.86	5.77	117	115	10.0-160			1.55	25
n-Butylbenzene	5.00	5.37	5.07	107	101	73.0-125			5.75	20
sec-Butylbenzene	5.00	5.52	4.94	110	98.8	75.0-125			11.1	20
tert-Butylbenzene	5.00	5.65	5.49	113	110	76.0-124			2.87	20
Carbon tetrachloride	5.00	5.74	5.76	115	115	68.0-126			0.348	20
Chlorobenzene	5.00	5.56	5.49	111	110	80.0-121			1.27	20
Chlorodibromomethane	5.00	5.23	5.33	105	107	77.0-125			1.89	20
Chloroethane	5.00	5.59	5.15	112	103	47.0-150			8.19	20
Chloroform	5.00	5.47	5.38	109	108	73.0-120			1.66	20
Chloromethane	5.00	5.12	4.67	102	93.4	41.0-142			9.19	20
2-Chlorotoluene	5.00	5.48	5.16	110	103	76.0-123			6.02	20
4-Chlorotoluene	5.00	5.41	5.32	108	106	75.0-122			1.68	20
1,2-Dibromo-3-Chloropropane	5.00	6.06	5.39	121	108	58.0-134			11.7	20
1,2-Dibromoethane	5.00	5.58	5.32	112	106	80.0-122			4.77	20
Dibromomethane	5.00	5.53	5.49	111	110	80.0-120			0.726	20
1,2-Dichlorobenzene	5.00	5.68	5.33	114	107	79.0-121			6.36	20
1,3-Dichlorobenzene	5.00	5.40	5.20	108	104	79.0-120			3.77	20
1,4-Dichlorobenzene	5.00	5.31	5.14	106	103	79.0-120			3.25	20
Dichlorodifluoromethane	5.00	4.76	4.66	95.2	93.2	51.0-149			2.12	20
1,1-Dichloroethane	5.00	5.51	5.54	110	111	70.0-126			0.543	20
1,2-Dichloroethane	5.00	5.36	5.23	107	105	70.0-128			2.46	20
1,1-Dichloroethene	5.00	5.29	5.30	106	106	71.0-124			0.189	20
cis-1,2-Dichloroethene	5.00	5.65	5.66	113	113	73.0-120			0.177	20
trans-1,2-Dichloroethene	5.00	5.43	5.66	109	113	73.0-120			4.15	20
1,2-Dichloropropane	5.00	5.55	5.67	111	113	77.0-125			2.14	20
1,1-Dichloropropene	5.00	5.62	5.72	112	114	74.0-126			1.76	20
1,3-Dichloropropane	5.00	5.64	5.32	113	106	80.0-120			5.84	20
cis-1,3-Dichloropropene	5.00	5.49	5.30	110	106	80.0-123			3.52	20
trans-1,3-Dichloropropene	5.00	5.45	5.02	109	100	78.0-124			8.21	20
2,2-Dichloropropane	5.00	6.17	5.99	123	120	58.0-130			2.96	20
Di-isopropyl ether	5.00	5.44	5.40	109	108	58.0-138			0.738	20
Ethylbenzene	5.00	5.75	5.52	115	110	79.0-123			4.08	20
Hexachloro-1,3-butadiene	5.00	5.11	5.54	102	111	54.0-138			8.08	20
Isopropylbenzene	5.00	5.95	5.53	119	111	76.0-127			7.32	20
p-Isopropyltoluene	5.00	5.69	4.95	114	99.0	76.0-125			13.9	20
2-Butanone (MEK)	25.0	27.5	28.3	110	113	44.0-160			2.87	20
Methylene Chloride	5.00	5.24	4.99	105	99.8	67.0-120			4.89	20
4-Methyl-2-pentanone (MIBK)	25.0	28.4	27.6	114	110	68.0-142			2.86	20
Methyl tert-butyl ether	5.00	5.56	5.61	111	112	68.0-125			0.895	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4024396-1 01/18/24 08:34 • (LCSD) R4024396-2 01/18/24 08:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Naphthalene	5.00	5.75	4.83	115	96.6	54.0-135			17.4	20
n-Propylbenzene	5.00	5.55	5.27	111	105	77.0-124			5.18	20
Styrene	5.00	5.53	5.55	111	111	73.0-130			0.361	20
1,1,1,2-Tetrachloroethane	5.00	5.64	5.32	113	106	75.0-125			5.84	20
1,1,2,2-Tetrachloroethane	5.00	5.73	4.81	115	96.2	65.0-130			17.5	20
Tetrachloroethene	5.00	6.04	5.65	121	113	72.0-132			6.67	20
Toluene	5.00	5.60	5.56	112	111	79.0-120			0.717	20
1,2,3-Trichlorobenzene	5.00	5.77	4.91	115	98.2	50.0-138			16.1	20
1,2,4-Trichlorobenzene	5.00	5.55	5.08	111	102	57.0-137			8.84	20
1,1,1-Trichloroethane	5.00	5.77	5.54	115	111	73.0-124			4.07	20
1,1,2-Trichloroethane	5.00	5.38	5.27	108	105	80.0-120			2.07	20
Trichloroethene	5.00	5.69	6.14	114	123	78.0-124			7.61	20
Trichlorofluoromethane	5.00	5.32	4.94	106	98.8	59.0-147			7.41	20
1,2,3-Trichloropropane	5.00	5.21	4.53	104	90.6	73.0-130			14.0	20
1,2,4-Trimethylbenzene	5.00	5.59	5.08	112	102	76.0-121			9.56	20
1,3,5-Trimethylbenzene	5.00	5.60	5.03	112	101	76.0-122			10.7	20
Vinyl chloride	5.00	5.37	5.10	107	102	67.0-131			5.16	20
Xylenes, Total	15.0	17.4	17.0	116	113	79.0-123			2.33	20
(S) Toluene-d8				101	103	80.0-120				
(S) 4-Bromofluorobenzene				103	101	77.0-126				
(S) 1,2-Dichloroethane-d4				96.0	95.6	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024557-2 01/19/24 16:24

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4024557-2 01/19/24 16:24

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	58.4			12.0-120
(S) Phenol-d5	55.1			10.0-120
(S) Nitrobenzene-d5	45.9			10.0-122
(S) 2-Fluorobiphenyl	53.8			15.0-120
(S) 2,4,6-Tribromophenol	55.3			10.0-127
(S) p-Terphenyl-d14	63.1			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4024557-1 01/19/24 16:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.386	58.0	38.0-120	
Acenaphthylene	0.666	0.388	58.3	40.0-120	
Anthracene	0.666	0.390	58.6	42.0-120	
Benzidine	1.33	0.330	24.8	10.0-120	
Benzo(a)anthracene	0.666	0.411	61.7	44.0-120	
Benzo(b)fluoranthene	0.666	0.400	60.1	43.0-120	
Benzo(k)fluoranthene	0.666	0.379	56.9	44.0-120	
Benzo(g,h,i)perylene	0.666	0.459	68.9	43.0-120	
Benzo(a)pyrene	0.666	0.403	60.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.319	47.9	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.429	64.4	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.339	50.9	23.0-120	
4-Bromophenyl-phenylether	0.666	0.364	54.7	40.0-120	
2-Chloronaphthalene	0.666	0.362	54.4	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4024557-1 01/19/24 16:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.385	57.8	40.0-120	
Chrysene	0.666	0.392	58.9	43.0-120	
Dibenz(a,h)anthracene	0.666	0.434	65.2	44.0-120	
3,3-Dichlorobenzidine	1.33	0.702	52.8	28.0-120	
2,4-Dinitrotoluene	0.666	0.428	64.3	45.0-120	
2,6-Dinitrotoluene	0.666	0.409	61.4	42.0-120	
Fluoranthene	0.666	0.386	58.0	44.0-120	
Fluorene	0.666	0.388	58.3	41.0-120	
Hexachlorobenzene	0.666	0.358	53.8	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.293	44.0	15.0-120	
Hexachlorocyclopentadiene	0.666	0.288	43.2	15.0-120	
Hexachloroethane	0.666	0.338	50.8	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.391	58.7	45.0-120	
Isophorone	0.666	0.298	44.7	23.0-120	
Naphthalene	0.666	0.300	45.0	18.0-120	
Nitrobenzene	0.666	0.283	42.5	17.0-120	
n-Nitrosodimethylamine	0.666	0.290	43.5	10.0-125	
n-Nitrosodiphenylamine	0.666	0.369	55.4	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.325	48.8	26.0-120	
Phenanthrene	0.666	0.377	56.6	42.0-120	
Benzylbutyl phthalate	0.666	0.439	65.9	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.444	66.7	41.0-120	
Di-n-butyl phthalate	0.666	0.395	59.3	43.0-120	
Diethyl phthalate	0.666	0.417	62.6	43.0-120	
Dimethyl phthalate	0.666	0.392	58.9	43.0-120	
Di-n-octyl phthalate	0.666	0.442	66.4	40.0-120	
Pyrene	0.666	0.398	59.8	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.305	45.8	17.0-120	
4-Chloro-3-methylphenol	0.666	0.318	47.7	28.0-120	
2-Chlorophenol	0.666	0.375	56.3	28.0-120	
2,4-Dichlorophenol	0.666	0.324	48.6	25.0-120	
2,4-Dimethylphenol	0.666	0.426	64.0	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.352	52.9	16.0-120	
2,4-Dinitrophenol	0.666	0.297	44.6	10.0-120	
2-Nitrophenol	0.666	0.341	51.2	20.0-120	
4-Nitrophenol	0.666	0.411	61.7	27.0-120	
Pentachlorophenol	0.666	0.310	46.5	29.0-120	
Phenol	0.666	0.383	57.5	28.0-120	
2,4,6-Trichlorophenol	0.666	0.379	56.9	37.0-120	
(S) 2-Fluorophenol			59.8	12.0-120	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4024557-1 01/19/24 16:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			57.4	10.0-120	
(S) Nitrobenzene-d5			39.9	10.0-122	
(S) 2-Fluorobiphenyl			55.3	15.0-120	
(S) 2,4,6-Tribromophenol			60.7	10.0-127	
(S) p-Terphenyl-d14			60.7	10.0-120	

L1696413-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696413-07 01/19/24 18:26 • (MS) R4024557-3 01/19/24 18:46 • (MSD) R4024557-4 01/19/24 19:06

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 %
Acenaphthene	0.684	ND	0.376	0.337	54.9	49.1	1	18.0-120			10.8	32
Acenaphthylene	0.684	ND	0.378	0.339	55.2	49.4	1	25.0-120			10.8	32
Anthracene	0.684	ND	0.381	0.351	55.6	51.1	1	22.0-120			8.27	29
Benzidine	1.37	ND	ND	ND	44.3	49.8	1	10.0-120			12.4	40
Benzo(a)anthracene	0.684	ND	0.396	0.363	57.9	52.9	1	25.0-120			8.79	29
Benzo(b)fluoranthene	0.684	ND	0.385	0.349	56.2	50.9	1	19.0-122			9.66	31
Benzo(k)fluoranthene	0.684	ND	0.357	0.321	52.1	46.8	1	23.0-120			10.5	30
Benzo(g,h,i)perylene	0.684	ND	0.438	0.396	64.0	57.8	1	10.0-120			10.0	33
Benzo(a)pyrene	0.684	ND	0.390	0.353	57.0	51.4	1	24.0-120			10.1	30
Bis(2-chlorethoxy)methane	0.684	ND	ND	ND	45.9	42.2	1	10.0-120			7.94	34
Bis(2-chloroethyl)ether	0.684	ND	0.431	0.421	63.0	61.4	1	10.0-120			2.20	40
2,2-Oxybis(1-Chloropropane)	0.684	ND	ND	ND	49.4	47.1	1	10.0-120			4.42	40
4-Bromophenyl-phenylether	0.684	ND	0.352	ND	51.4	46.5	1	27.0-120			9.64	30
2-Chloronaphthalene	0.684	ND	0.352	0.316	51.4	46.0	1	20.0-120			10.6	32
4-Chlorophenyl-phenylether	0.684	ND	0.380	ND	55.5	50.3	1	24.0-120			9.50	29
Chrysene	0.684	ND	0.379	0.343	55.3	50.0	1	21.0-120			9.83	29
Dibenz(a,h)anthracene	0.684	ND	0.408	0.380	59.6	55.3	1	10.0-120			7.15	32
3,3-Dichlorobenzidine	1.37	ND	0.716	0.645	52.4	46.8	1	10.0-120			10.4	34
2,4-Dinitrotoluene	0.684	ND	0.421	0.381	61.6	55.5	1	30.0-120			10.1	31
2,6-Dinitrotoluene	0.684	ND	0.408	0.361	59.6	52.6	1	25.0-120			12.2	31
Fluoranthene	0.684	ND	0.377	0.342	55.0	49.8	1	18.0-126			9.58	32
Fluorene	0.684	ND	0.375	0.340	54.7	49.5	1	25.0-120			9.64	30
Hexachlorobenzene	0.684	ND	0.359	ND	52.4	46.5	1	27.0-120			11.7	28
Hexachloro-1,3-butadiene	0.684	ND	ND	ND	42.7	38.8	1	10.0-120			9.35	38
Hexachlorocyclopentadiene	0.684	ND	ND	ND	33.7	31.3	1	10.0-120			7.03	40
Hexachloroethane	0.684	ND	ND	ND	49.4	44.2	1	10.0-120			10.7	40
Indeno(1,2,3-cd)pyrene	0.684	ND	0.389	0.355	56.9	51.7	1	10.0-120			9.26	32
Isophorone	0.684	ND	ND	ND	43.1	40.1	1	13.0-120			6.95	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1696413-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696413-07 01/19/24 18:26 • (MS) R4024557-3 01/19/24 18:46 • (MSD) R4024557-4 01/19/24 19:06

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 %
Naphthalene	0.684	ND	0.296	0.273	43.3	39.8	1	10.0-120			8.06	35
Nitrobenzene	0.684	ND	ND	ND	40.5	37.4	1	10.0-120			7.81	36
n-Nitrosodimethylamine	0.684	ND	ND	ND	42.2	37.5	1	10.0-127			11.5	40
n-Nitrosodiphenylamine	0.684	ND	0.360	ND	52.6	47.6	1	17.0-120			9.73	29
n-Nitrosodi-n-propylamine	0.684	ND	ND	ND	47.3	42.4	1	10.0-120			10.5	37
Phenanthrene	0.684	ND	0.367	0.340	53.7	49.5	1	17.0-120			7.67	31
Benzylbutyl phthalate	0.684	ND	0.436	0.393	63.7	57.3	1	23.0-120			10.3	30
Bis(2-ethylhexyl)phthalate	0.684	ND	0.442	0.404	64.6	58.8	1	17.0-126			9.12	30
Di-n-butyl phthalate	0.684	ND	0.386	0.358	56.4	52.1	1	30.0-120			7.57	29
Diethyl phthalate	0.684	ND	0.414	0.376	60.5	54.7	1	26.0-120			9.78	28
Dimethyl phthalate	0.684	ND	0.386	0.353	56.4	51.4	1	25.0-120			9.04	29
Di-n-octyl phthalate	0.684	ND	0.437	0.400	63.9	58.2	1	21.0-123			8.98	29
Pyrene	0.684	ND	0.392	0.353	57.3	51.4	1	16.0-121			10.6	32
1,2,4-Trichlorobenzene	0.684	ND	ND	ND	44.2	40.0	1	12.0-120			9.76	37
4-Chloro-3-methylphenol	0.684	ND	ND	ND	47.0	48.8	1	15.0-120			4.13	30
2-Chlorophenol	0.684	ND	0.369	ND	54.0	47.7	1	15.0-120			12.0	37
2,4-Dichlorophenol	0.684	ND	ND	ND	47.3	42.2	1	20.0-120			10.9	31
2,4-Dimethylphenol	0.684	ND	0.432	0.396	63.1	57.8	1	10.0-120			8.56	33
4,6-Dinitro-2-methylphenol	0.684	ND	ND	ND	50.3	47.9	1	10.0-120			4.65	39
2,4-Dinitrophenol	0.684	ND	ND	ND	48.2	43.6	1	10.0-121			9.62	40
2-Nitrophenol	0.684	ND	ND	ND	50.5	46.7	1	12.0-120			7.52	39
4-Nitrophenol	0.684	ND	0.430	0.394	62.8	57.4	1	10.0-137			8.61	32
Pentachlorophenol	0.684	ND	0.351	ND	51.2	49.2	1	10.0-160			3.64	31
Phenol	0.684	3.21	2.22	6.83	0.000	527	1	12.0-120	<u>E V</u>	<u>E J3 V</u>	102	38
2,4,6-Trichlorophenol	0.684	ND	0.394	0.348	57.6	50.8	1	19.0-120			12.4	32
(S) 2-Fluorophenol					59.6	52.3		12.0-120				
(S) Phenol-d5					56.7	49.8		10.0-120				
(S) Nitrobenzene-d5					39.3	35.0		10.0-122				
(S) 2-Fluorobiphenyl					54.0	48.0		15.0-120				
(S) 2,4,6-Tribromophenol					63.4	54.3		10.0-127				
(S) p-Terphenyl-d14					59.8	52.9		10.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
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.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	LA000356
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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.com)

Report to:
Mr. Jerry Paul

Email To: **jpaul@smeinc.com**

Project Description:
Northgate Park

City/State Collected:

Please Circle:
 PT MT CT ET **ET**

Phone: **919-872-2660**

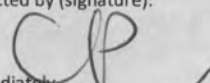
Client Project #
23050630

Lab Project #
SMERLNC-NORTHGATE

Collected by (print):
Chusea Parra

Site/Facility ID #

P.O. #

Collected by (signature):

 Immediately Packed on Ice N Y

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
 No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs
825-SB-41	C	SS	0-1	1/12/24	1210	4
825-SB-42		SS			1440	4
825-SB-43		SS			1445	4
825-SB-44		SS			1450	4
825-SB-45		SS			1455	4
825-SB-46		SS			1500	4
825-SB-47		SS			1215	4
825-SB-48		SS			1220	4
825-SB-49		SS			1225	4
825-SB-50		SS			1230	4

Analysis / Container / Preservative									
Metals 20zClr-NoPres	SPLP/TCLP GOLD 40zClr-NoPres	SV8270.TS 40zClr-NoPres	V8260 40mlAmb-HCl-BIK	V8260 40mlAmb/MeOH/0ml/Syr	SV06S 8270	18 METALS 6020	MERCURY 7471	Hex. Chrom. 7199	Pres Chk
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	
X	X	X		X	X	X	X	X	

Chain of Custody Page 1 of 2



PEOPLE ADVANCING SCIENCE

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/hubs/pas-standard-terms.pdf>

SDG # **1696432**
F138

Acctnum: **SMERLNC**
 Template: **T243915**
 Prelogin: **P1044755**
 PM: **034 - Craig Cothron**
 PB:

Shipped Via: **FedEX Ground**

Remarks | Sample # (lab only)

-01
-02
-03
-04
-05
-06
-07
-08
-09
-10

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: **SPLP/TCLP on hold**

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via:
 UPS FedEx Courier

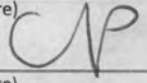
Tracking # **7155 0298 3352**

Sample Receipt Checklist

Container Present/Intact: Y N
 Container Sealed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Correct volume sent: Y N

If Applicable

Pro Headspace: Y N
 Preservation Correct/Checked: Y N
 Residuals <0.5 mR/hr: Y N

Relinquished by: (Signature) 

Date: **1/12/24**
 Time: **1710**

Received by: (Signature)

Trip Blank Received: Yes No
 HCl/MeOH TBR

Relinquished by: (Signature)

Date: _____
 Time: _____

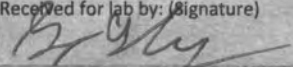
Received by: (Signature)

Temp: **74.8°C**
2.1+0=2.1
 Bottles Received: **44**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: _____
 Time: _____

Received for lab by: (Signature) 

Date: **1/13/24**
 Time: **0900**

Hold: _____
 Condition: **NCF / OK**

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.com)

Pres
 Chk

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**

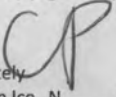
Client Project #
23050630

Lab Project #
SMERLNC-NORTHGATE

Collected by (print):
Chelsea Parva

Site/Facility ID #

P.O. #


Collected by (signature):

 Immediately Packed on Ice N Y

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
 No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Metals 20zClr-NoPres	SPLP/ICLP GOLD 40zClr-NoPres	SV82270, TS 40zClr-NoPres	V8260 40mlAmb-HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr	SV06S 8270	18 Metals 6020	Mercury 7471	Hex Chrom. 7199
825-SB-51	C	SS	0-1	1/12/24	1235	4	X	X	X		X	X	X	X	X
Trip Blank		GW				4	X	X	X	X	X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				
		SS				4	X	X	X		X				

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

 PEOPLE ADVANCING SCIENCE

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/hubs/pas-standard-terms.pdf>

SDG # **1696432**

Table #

Acctnum: **SMERLNC**
 Template: **T243915**

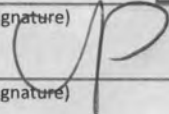
Prelogin: **P1044755**
 PM: **034 - Craie Cothron**
 PB:

Shipped Via: **FedEX Ground**
 Remarks Sample # (lab only)

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: **SPLP ICLP on hold**
 pH _____ Temp _____
 Flow _____ Other _____
 Samples returned via:
 UPS FedEx Courier
 Tracking # **7155 0298 3352**

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 Green <0.5 mR/hr: Y N

Relinquished by: (Signature)


Date: **1/12/24**
 Time: **1710**

Received by: (Signature)

Trip Blank Received: Yes No
 HCl/MeOH
 TBR

Relinquished by: (Signature)

Date: _____
 Time: _____

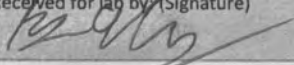
Received by: (Signature)

Temp: **7.48 °C**
2.1 + 0 = 2.1
 Bottles Received: **44**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: _____
 Time: _____

Received for lab by: (Signature)


Date: **1/13/24**
 Time: **0900**

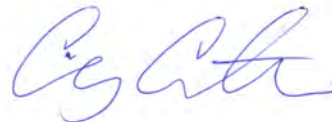
Condition: **NCF 10K**

S&ME Inc. - Raleigh NC

Sample Delivery Group: L1696435
Samples Received: 01/13/2024
Project Number: 23050630
Description: Northgate Park

Report To: Mr. Jerry Paul
3201 Spring Forest Road
Raleigh, NC 27616

Entire Report Reviewed By:



Craig Cothron
Project Manager

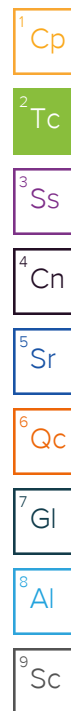
Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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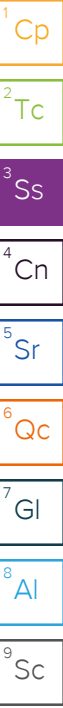


SAMPLE SUMMARY

825-SB-28 L1696435-01 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 10:00
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209032	1	01/19/24 08:11	01/19/24 08:18	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 18:34	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209506	1	01/20/24 09:16	01/21/24 13:15	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	25	01/19/24 13:35	01/31/24 18:33	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	5	01/19/24 13:35	01/31/24 13:19	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208152	1.4	01/12/24 10:00	01/17/24 18:41	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208875	5	01/18/24 19:05	01/20/24 06:15	ALM	Mt. Juliet, TN



825-SB-29 L1696435-02 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 10:05
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209032	1	01/19/24 08:11	01/19/24 08:18	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 18:40	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209506	1	01/20/24 09:16	01/21/24 13:17	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	25	01/19/24 13:35	01/31/24 18:36	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	5	01/19/24 13:35	01/31/24 13:22	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208152	1	01/12/24 10:05	01/17/24 19:00	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208875	1	01/18/24 19:05	01/20/24 05:51	ALM	Mt. Juliet, TN

825-SB-31 L1696435-03 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 10:10
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209032	1	01/19/24 08:11	01/19/24 08:18	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 18:53	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209506	1	01/20/24 09:16	01/21/24 13:20	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	5	01/19/24 13:35	01/31/24 13:25	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	50	01/19/24 13:35	01/31/24 18:39	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208244	1	01/12/24 10:10	01/18/24 01:40	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208875	1	01/18/24 19:05	01/20/24 00:15	ALM	Mt. Juliet, TN

825-SB-32 L1696435-04 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 10:15
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209033	1	01/19/24 08:02	01/19/24 08:09	JAV	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 18:59	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209506	1	01/20/24 09:16	01/21/24 13:22	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	25	01/19/24 13:35	01/31/24 18:43	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	5	01/19/24 13:35	01/31/24 13:39	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208244	1	01/12/24 10:15	01/18/24 01:59	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208875	1	01/18/24 19:05	01/20/24 02:16	ALM	Mt. Juliet, TN

825-SB-33 L1696435-05 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 10:20
 Received date/time 01/13/24 09:00

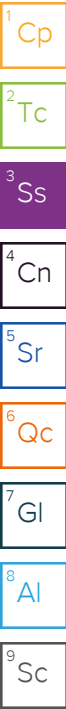
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209033	1	01/19/24 08:02	01/19/24 08:09	JAV	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 19:05	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209506	1	01/20/24 09:16	01/21/24 13:25	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	25	01/19/24 13:35	01/31/24 18:46	JPD	Mt. Juliet, TN

SAMPLE SUMMARY

825-SB-33 L1696435-05 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 10:20
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2209280	5	01/19/24 13:35	01/31/24 13:42	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208244	1	01/12/24 10:20	01/18/24 02:18	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208875	1	01/18/24 19:05	01/20/24 02:40	ALM	Mt. Juliet, TN



825-SB-34 L1696435-06 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 10:25
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209033	1	01/19/24 08:02	01/19/24 08:09	JAV	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 19:48	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209506	1	01/20/24 09:16	01/21/24 13:27	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	5	01/19/24 13:35	01/31/24 13:03	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	50	01/19/24 13:35	01/31/24 18:49	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208244	1	01/12/24 10:25	01/18/24 02:37	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208875	1	01/18/24 19:05	01/20/24 03:03	ALM	Mt. Juliet, TN

825-SB-35 L1696435-07 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 10:30
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209033	1	01/19/24 08:02	01/19/24 08:09	JAV	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 19:55	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209506	1	01/20/24 09:16	01/21/24 13:30	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	25	01/19/24 13:35	01/31/24 18:52	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	5	01/19/24 13:35	01/31/24 13:45	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208244	1	01/12/24 10:30	01/18/24 02:56	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208875	1	01/18/24 19:05	01/20/24 03:27	JRM	Mt. Juliet, TN

825-SB-36 L1696435-08 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 14:35
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209033	1	01/19/24 08:02	01/19/24 08:09	JAV	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 20:07	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209506	1	01/20/24 09:16	01/21/24 13:37	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	25	01/19/24 13:35	01/31/24 18:56	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	5	01/19/24 13:35	01/31/24 13:49	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208244	1	01/12/24 14:35	01/18/24 03:15	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208875	1	01/18/24 19:05	01/20/24 05:27	JRM	Mt. Juliet, TN

825-SB-37 L1696435-09 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 11:50
 Received date/time 01/13/24 09:00

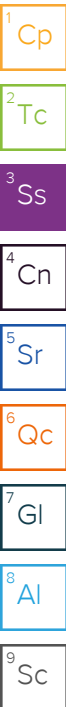
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209033	1	01/19/24 08:02	01/19/24 08:09	JAV	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 20:13	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209687	1	01/20/24 09:13	01/21/24 11:56	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	5	01/19/24 13:35	01/31/24 13:52	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	50	01/19/24 13:35	01/31/24 19:06	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208244	1.59	01/12/24 11:50	01/18/24 03:34	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208875	1	01/18/24 19:05	01/20/24 00:39	ALM	Mt. Juliet, TN

SAMPLE SUMMARY

825-SB-38 L1696435-10 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 11:55
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209033	1	01/19/24 08:02	01/19/24 08:09	JAV	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 20:19	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209506	1	01/20/24 09:16	01/21/24 13:39	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	25	01/19/24 13:35	01/31/24 19:09	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	5	01/19/24 13:35	01/31/24 13:55	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208244	1.14	01/12/24 11:55	01/18/24 03:53	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208875	1	01/18/24 19:05	01/20/24 01:03	ALM	Mt. Juliet, TN



825-SB-39 L1696435-11 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 12:00
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209033	1	01/19/24 08:02	01/19/24 08:09	JAV	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 20:38	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209506	1	01/20/24 09:16	01/21/24 13:42	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	25	01/19/24 13:35	01/31/24 19:12	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	5	01/19/24 13:35	01/31/24 13:58	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208244	1	01/12/24 12:00	01/18/24 04:12	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208875	1	01/18/24 19:05	01/20/24 01:28	ALM	Mt. Juliet, TN

825-SB-40 L1696435-12 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 12:05
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209033	1	01/19/24 08:02	01/19/24 08:09	JAV	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209352	1	01/19/24 13:24	01/24/24 20:44	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209506	1	01/20/24 09:16	01/21/24 13:44	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	5	01/19/24 13:35	01/31/24 14:02	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	50	01/19/24 13:35	01/31/24 19:15	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208733	1.32	01/12/24 12:05	01/18/24 12:39	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208875	1	01/18/24 19:05	01/20/24 01:52	ALM	Mt. Juliet, TN

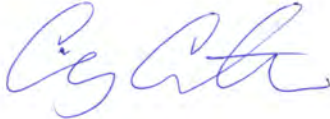
TRIP BLANK L1696435-13 GW

Collected by Chelsea Parra
 Collected date/time 01/12/24 00:00
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208632	1	01/18/24 12:23	01/18/24 12:23	JCP	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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.9		1	01/19/2024 08:18	WG2209032

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.56		1.21	1	01/24/2024 18:34	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0585		0.0483	1	01/21/2024 13:15	WG2209506

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.62	5	01/31/2024 13:19	WG2209280
Arsenic	2.26		1.21	5	01/31/2024 13:19	WG2209280
Barium	67.8		3.02	5	01/31/2024 13:19	WG2209280
Beryllium	ND		3.02	5	01/31/2024 13:19	WG2209280
Cadmium	ND		1.21	5	01/31/2024 13:19	WG2209280
Chromium	22.4		6.03	5	01/31/2024 13:19	WG2209280
Cobalt	7.17		1.21	5	01/31/2024 13:19	WG2209280
Copper	10.5		6.03	5	01/31/2024 13:19	WG2209280
Lead	21.2		2.41	5	01/31/2024 13:19	WG2209280
Manganese	395		15.1	25	01/31/2024 18:33	WG2209280
Nickel	12.3		3.02	5	01/31/2024 13:19	WG2209280
Selenium	ND		3.02	5	01/31/2024 13:19	WG2209280
Silver	ND		0.603	5	01/31/2024 13:19	WG2209280
Thallium	ND		2.41	5	01/31/2024 13:19	WG2209280
Vanadium	29.8		3.02	5	01/31/2024 13:19	WG2209280
Zinc	39.0		30.2	5	01/31/2024 13:19	WG2209280

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0948	1.4	01/17/2024 18:41	WG2208152
Acrylonitrile	ND		0.0237	1.4	01/17/2024 18:41	WG2208152
Benzene	ND		0.00190	1.4	01/17/2024 18:41	WG2208152
Bromobenzene	ND		0.0237	1.4	01/17/2024 18:41	WG2208152
Bromodichloromethane	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
Bromoform	ND		0.0474	1.4	01/17/2024 18:41	WG2208152
Bromomethane	ND		0.0237	1.4	01/17/2024 18:41	WG2208152
n-Butylbenzene	ND		0.0237	1.4	01/17/2024 18:41	WG2208152
sec-Butylbenzene	ND		0.0237	1.4	01/17/2024 18:41	WG2208152
tert-Butylbenzene	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
Carbon tetrachloride	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
Chlorobenzene	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
Chlorodibromomethane	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
Chloroethane	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
Chloroform	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
Chloromethane	ND		0.0237	1.4	01/17/2024 18:41	WG2208152
2-Chlorotoluene	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
4-Chlorotoluene	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
1,2-Dibromo-3-Chloropropane	ND		0.0474	1.4	01/17/2024 18:41	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
Dibromomethane	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
1,2-Dichlorobenzene	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
1,3-Dichlorobenzene	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
1,4-Dichlorobenzene	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
Dichlorodifluoromethane	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
1,1-Dichloroethane	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
1,2-Dichloroethane	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
1,1-Dichloroethene	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
cis-1,2-Dichloroethene	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
trans-1,2-Dichloroethene	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
1,2-Dichloropropane	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
1,1-Dichloropropene	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
1,3-Dichloropropane	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
cis-1,3-Dichloropropene	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
trans-1,3-Dichloropropene	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
2,2-Dichloropropane	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
Di-isopropyl ether	ND		0.00190	1.4	01/17/2024 18:41	WG2208152
Ethylbenzene	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
Hexachloro-1,3-butadiene	ND		0.0474	1.4	01/17/2024 18:41	WG2208152
Isopropylbenzene	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
p-Isopropyltoluene	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
2-Butanone (MEK)	ND		0.190	1.4	01/17/2024 18:41	WG2208152
Methylene Chloride	ND		0.0474	1.4	01/17/2024 18:41	WG2208152
4-Methyl-2-pentanone (MIBK)	ND		0.0474	1.4	01/17/2024 18:41	WG2208152
Methyl tert-butyl ether	ND		0.00190	1.4	01/17/2024 18:41	WG2208152
Naphthalene	ND		0.0237	1.4	01/17/2024 18:41	WG2208152
n-Propylbenzene	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
Styrene	ND		0.0237	1.4	01/17/2024 18:41	WG2208152
1,1,1,2-Tetrachloroethane	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
1,1,2,2-Tetrachloroethane	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
Tetrachloroethene	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
Toluene	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
1,2,3-Trichlorobenzene	ND		0.0237	1.4	01/17/2024 18:41	WG2208152
1,2,4-Trichlorobenzene	ND		0.0237	1.4	01/17/2024 18:41	WG2208152
1,1,1-Trichloroethane	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
1,1,2-Trichloroethane	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
Trichloroethene	ND		0.00190	1.4	01/17/2024 18:41	WG2208152
Trichlorofluoromethane	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
1,2,3-Trichloropropane	ND		0.0237	1.4	01/17/2024 18:41	WG2208152
1,2,4-Trimethylbenzene	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
1,3,5-Trimethylbenzene	ND		0.00948	1.4	01/17/2024 18:41	WG2208152
Vinyl chloride	ND		0.00474	1.4	01/17/2024 18:41	WG2208152
Xylenes, Total	ND		0.0123	1.4	01/17/2024 18:41	WG2208152
(S) Toluene-d8	103		75.0-131		01/17/2024 18:41	WG2208152
(S) 4-Bromofluorobenzene	98.8		67.0-138		01/17/2024 18:41	WG2208152
(S) 1,2-Dichloroethane-d4	89.2		70.0-130		01/17/2024 18:41	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.201	5	01/20/2024 06:15	WG2208875
Acenaphthylene	ND		0.201	5	01/20/2024 06:15	WG2208875
Anthracene	ND		0.201	5	01/20/2024 06:15	WG2208875
Benzidine	ND		10.1	5	01/20/2024 06:15	WG2208875
Benzo(a)anthracene	0.349		0.201	5	01/20/2024 06:15	WG2208875

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.653		0.201	5	01/20/2024 06:15	WG2208875
Benzo(k)fluoranthene	ND		0.201	5	01/20/2024 06:15	WG2208875
Benzo(g,h,i)perylene	ND		0.201	5	01/20/2024 06:15	WG2208875
Benzo(a)pyrene	0.320		0.201	5	01/20/2024 06:15	WG2208875
Bis(2-chloroethoxy)methane	ND		2.01	5	01/20/2024 06:15	WG2208875
Bis(2-chloroethyl)ether	ND		2.01	5	01/20/2024 06:15	WG2208875
2,2-Oxybis(1-Chloropropane)	ND		2.01	5	01/20/2024 06:15	WG2208875
4-Bromophenyl-phenylether	ND		2.01	5	01/20/2024 06:15	WG2208875
2-Chloronaphthalene	ND		0.201	5	01/20/2024 06:15	WG2208875
4-Chlorophenyl-phenylether	ND		2.01	5	01/20/2024 06:15	WG2208875
Chrysene	0.282		0.201	5	01/20/2024 06:15	WG2208875
Dibenz(a,h)anthracene	ND		0.201	5	01/20/2024 06:15	WG2208875
3,3-Dichlorobenzidine	ND		2.01	5	01/20/2024 06:15	WG2208875
2,4-Dinitrotoluene	ND		2.01	5	01/20/2024 06:15	WG2208875
2,6-Dinitrotoluene	ND		2.01	5	01/20/2024 06:15	WG2208875
Fluoranthene	0.223		0.201	5	01/20/2024 06:15	WG2208875
Fluorene	ND		0.201	5	01/20/2024 06:15	WG2208875
Hexachlorobenzene	ND		2.01	5	01/20/2024 06:15	WG2208875
Hexachloro-1,3-butadiene	ND		2.01	5	01/20/2024 06:15	WG2208875
Hexachlorocyclopentadiene	ND		2.01	5	01/20/2024 06:15	WG2208875
Hexachloroethane	ND		2.01	5	01/20/2024 06:15	WG2208875
Indeno(1,2,3-cd)pyrene	ND		0.201	5	01/20/2024 06:15	WG2208875
Isophorone	ND		2.01	5	01/20/2024 06:15	WG2208875
Naphthalene	ND		0.201	5	01/20/2024 06:15	WG2208875
Nitrobenzene	ND		2.01	5	01/20/2024 06:15	WG2208875
n-Nitrosodimethylamine	ND		2.01	5	01/20/2024 06:15	WG2208875
n-Nitrosodiphenylamine	ND		2.01	5	01/20/2024 06:15	WG2208875
n-Nitrosodi-n-propylamine	ND		2.01	5	01/20/2024 06:15	WG2208875
Phenanthrene	ND		0.201	5	01/20/2024 06:15	WG2208875
Benzylbutyl phthalate	ND		2.01	5	01/20/2024 06:15	WG2208875
Bis(2-ethylhexyl)phthalate	ND		2.01	5	01/20/2024 06:15	WG2208875
Di-n-butyl phthalate	ND		2.01	5	01/20/2024 06:15	WG2208875
Diethyl phthalate	ND		2.01	5	01/20/2024 06:15	WG2208875
Dimethyl phthalate	ND		2.01	5	01/20/2024 06:15	WG2208875
Di-n-octyl phthalate	ND		2.01	5	01/20/2024 06:15	WG2208875
Pyrene	0.479		0.201	5	01/20/2024 06:15	WG2208875
1,2,4-Trichlorobenzene	ND		2.01	5	01/20/2024 06:15	WG2208875
4-Chloro-3-methylphenol	ND		2.01	5	01/20/2024 06:15	WG2208875
2-Chlorophenol	ND		2.01	5	01/20/2024 06:15	WG2208875
2,4-Dichlorophenol	ND		2.01	5	01/20/2024 06:15	WG2208875
2,4-Dimethylphenol	ND		2.01	5	01/20/2024 06:15	WG2208875
4,6-Dinitro-2-methylphenol	ND		2.01	5	01/20/2024 06:15	WG2208875
2,4-Dinitrophenol	ND		2.01	5	01/20/2024 06:15	WG2208875
2-Nitrophenol	ND		2.01	5	01/20/2024 06:15	WG2208875
4-Nitrophenol	ND		2.01	5	01/20/2024 06:15	WG2208875
Pentachlorophenol	ND		2.01	5	01/20/2024 06:15	WG2208875
Phenol	ND		2.01	5	01/20/2024 06:15	WG2208875
2,4,6-Trichlorophenol	ND		2.01	5	01/20/2024 06:15	WG2208875
(S) 2-Fluorophenol	63.9		12.0-120		01/20/2024 06:15	WG2208875
(S) Phenol-d5	60.5		10.0-120		01/20/2024 06:15	WG2208875
(S) Nitrobenzene-d5	76.8		10.0-122		01/20/2024 06:15	WG2208875
(S) 2-Fluorobiphenyl	66.5		15.0-120		01/20/2024 06:15	WG2208875
(S) 2,4,6-Tribromophenol	71.3		10.0-127		01/20/2024 06:15	WG2208875
(S) p-Terphenyl-d14	74.3		10.0-120		01/20/2024 06:15	WG2208875

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.4		1	01/19/2024 08:18	WG2209032

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND	P1	1.26	1	01/24/2024 18:40	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0990		0.0504	1	01/21/2024 13:17	WG2209506

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.78	5	01/31/2024 13:22	WG2209280
Arsenic	1.56		1.26	5	01/31/2024 13:22	WG2209280
Barium	53.9		3.15	5	01/31/2024 13:22	WG2209280
Beryllium	ND		3.15	5	01/31/2024 13:22	WG2209280
Cadmium	ND		1.26	5	01/31/2024 13:22	WG2209280
Chromium	21.0		6.30	5	01/31/2024 13:22	WG2209280
Cobalt	8.17		1.26	5	01/31/2024 13:22	WG2209280
Copper	15.3		6.30	5	01/31/2024 13:22	WG2209280
Lead	19.9		2.52	5	01/31/2024 13:22	WG2209280
Manganese	398		15.7	25	01/31/2024 18:36	WG2209280
Nickel	12.8		3.15	5	01/31/2024 13:22	WG2209280
Selenium	ND		3.15	5	01/31/2024 13:22	WG2209280
Silver	1.76		0.630	5	01/31/2024 13:22	WG2209280
Thallium	ND		2.52	5	01/31/2024 13:22	WG2209280
Vanadium	24.8		3.15	5	01/31/2024 13:22	WG2209280
Zinc	60.4		31.5	5	01/31/2024 13:22	WG2209280

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0778	1	01/17/2024 19:00	WG2208152
Acrylonitrile	ND		0.0195	1	01/17/2024 19:00	WG2208152
Benzene	ND		0.00156	1	01/17/2024 19:00	WG2208152
Bromobenzene	ND		0.0195	1	01/17/2024 19:00	WG2208152
Bromodichloromethane	ND		0.00389	1	01/17/2024 19:00	WG2208152
Bromoform	ND		0.0389	1	01/17/2024 19:00	WG2208152
Bromomethane	ND		0.0195	1	01/17/2024 19:00	WG2208152
n-Butylbenzene	ND		0.0195	1	01/17/2024 19:00	WG2208152
sec-Butylbenzene	ND		0.0195	1	01/17/2024 19:00	WG2208152
tert-Butylbenzene	ND		0.00778	1	01/17/2024 19:00	WG2208152
Carbon tetrachloride	ND		0.00778	1	01/17/2024 19:00	WG2208152
Chlorobenzene	ND		0.00389	1	01/17/2024 19:00	WG2208152
Chlorodibromomethane	ND		0.00389	1	01/17/2024 19:00	WG2208152
Chloroethane	ND		0.00778	1	01/17/2024 19:00	WG2208152
Chloroform	ND		0.00389	1	01/17/2024 19:00	WG2208152
Chloromethane	ND		0.0195	1	01/17/2024 19:00	WG2208152
2-Chlorotoluene	ND		0.00389	1	01/17/2024 19:00	WG2208152
4-Chlorotoluene	ND		0.00778	1	01/17/2024 19:00	WG2208152
1,2-Dibromo-3-Chloropropane	ND		0.0389	1	01/17/2024 19:00	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00389	1	01/17/2024 19:00	WG2208152
Dibromomethane	ND		0.00778	1	01/17/2024 19:00	WG2208152
1,2-Dichlorobenzene	ND		0.00778	1	01/17/2024 19:00	WG2208152
1,3-Dichlorobenzene	ND		0.00778	1	01/17/2024 19:00	WG2208152
1,4-Dichlorobenzene	ND		0.00778	1	01/17/2024 19:00	WG2208152
Dichlorodifluoromethane	ND		0.00778	1	01/17/2024 19:00	WG2208152
1,1-Dichloroethane	ND		0.00389	1	01/17/2024 19:00	WG2208152
1,2-Dichloroethane	ND		0.00389	1	01/17/2024 19:00	WG2208152
1,1-Dichloroethene	ND		0.00389	1	01/17/2024 19:00	WG2208152
cis-1,2-Dichloroethene	ND		0.00389	1	01/17/2024 19:00	WG2208152
trans-1,2-Dichloroethene	ND		0.00778	1	01/17/2024 19:00	WG2208152
1,2-Dichloropropane	ND		0.00778	1	01/17/2024 19:00	WG2208152
1,1-Dichloropropene	ND		0.00389	1	01/17/2024 19:00	WG2208152
1,3-Dichloropropane	ND		0.00778	1	01/17/2024 19:00	WG2208152
cis-1,3-Dichloropropene	ND		0.00389	1	01/17/2024 19:00	WG2208152
trans-1,3-Dichloropropene	ND		0.00778	1	01/17/2024 19:00	WG2208152
2,2-Dichloropropane	ND		0.00389	1	01/17/2024 19:00	WG2208152
Di-isopropyl ether	ND		0.00156	1	01/17/2024 19:00	WG2208152
Ethylbenzene	ND		0.00389	1	01/17/2024 19:00	WG2208152
Hexachloro-1,3-butadiene	ND		0.0389	1	01/17/2024 19:00	WG2208152
Isopropylbenzene	ND		0.00389	1	01/17/2024 19:00	WG2208152
p-Isopropyltoluene	0.00847		0.00778	1	01/17/2024 19:00	WG2208152
2-Butanone (MEK)	ND		0.156	1	01/17/2024 19:00	WG2208152
Methylene Chloride	ND		0.0389	1	01/17/2024 19:00	WG2208152
4-Methyl-2-pentanone (MIBK)	ND		0.0389	1	01/17/2024 19:00	WG2208152
Methyl tert-butyl ether	ND		0.00156	1	01/17/2024 19:00	WG2208152
Naphthalene	ND		0.0195	1	01/17/2024 19:00	WG2208152
n-Propylbenzene	ND		0.00778	1	01/17/2024 19:00	WG2208152
Styrene	ND		0.0195	1	01/17/2024 19:00	WG2208152
1,1,1,2-Tetrachloroethane	ND		0.00389	1	01/17/2024 19:00	WG2208152
1,1,2,2-Tetrachloroethane	ND		0.00389	1	01/17/2024 19:00	WG2208152
Tetrachloroethene	ND		0.00389	1	01/17/2024 19:00	WG2208152
Toluene	ND		0.00778	1	01/17/2024 19:00	WG2208152
1,2,3-Trichlorobenzene	ND		0.0195	1	01/17/2024 19:00	WG2208152
1,2,4-Trichlorobenzene	ND		0.0195	1	01/17/2024 19:00	WG2208152
1,1,1-Trichloroethane	ND		0.00389	1	01/17/2024 19:00	WG2208152
1,1,2-Trichloroethane	ND		0.00389	1	01/17/2024 19:00	WG2208152
Trichloroethene	ND		0.00156	1	01/17/2024 19:00	WG2208152
Trichlorofluoromethane	ND		0.00389	1	01/17/2024 19:00	WG2208152
1,2,3-Trichloropropane	ND		0.0195	1	01/17/2024 19:00	WG2208152
1,2,4-Trimethylbenzene	ND		0.00778	1	01/17/2024 19:00	WG2208152
1,3,5-Trimethylbenzene	ND		0.00778	1	01/17/2024 19:00	WG2208152
Vinyl chloride	ND		0.00389	1	01/17/2024 19:00	WG2208152
Xylenes, Total	ND		0.0101	1	01/17/2024 19:00	WG2208152
(S) Toluene-d8	98.9		75.0-131		01/17/2024 19:00	WG2208152
(S) 4-Bromofluorobenzene	104		67.0-138		01/17/2024 19:00	WG2208152
(S) 1,2-Dichloroethane-d4	89.5		70.0-130		01/17/2024 19:00	WG2208152

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0419	1	01/20/2024 05:51	WG2208875
Acenaphthylene	ND		0.0419	1	01/20/2024 05:51	WG2208875
Anthracene	ND		0.0419	1	01/20/2024 05:51	WG2208875
Benzidine	ND		2.10	1	01/20/2024 05:51	WG2208875
Benzo(a)anthracene	0.0970		0.0419	1	01/20/2024 05:51	WG2208875

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.164		0.0419	1	01/20/2024 05:51	WG2208875
Benzo(k)fluoranthene	0.0463		0.0419	1	01/20/2024 05:51	WG2208875
Benzo(g,h,i)perylene	0.0820		0.0419	1	01/20/2024 05:51	WG2208875
Benzo(a)pyrene	0.111		0.0419	1	01/20/2024 05:51	WG2208875
Bis(2-chloroethoxy)methane	ND		0.419	1	01/20/2024 05:51	WG2208875
Bis(2-chloroethyl)ether	ND		0.419	1	01/20/2024 05:51	WG2208875
2,2-Oxybis(1-Chloropropane)	ND		0.419	1	01/20/2024 05:51	WG2208875
4-Bromophenyl-phenylether	ND		0.419	1	01/20/2024 05:51	WG2208875
2-Chloronaphthalene	ND		0.0419	1	01/20/2024 05:51	WG2208875
4-Chlorophenyl-phenylether	ND		0.419	1	01/20/2024 05:51	WG2208875
Chrysene	0.122		0.0419	1	01/20/2024 05:51	WG2208875
Dibenz(a,h)anthracene	ND		0.0419	1	01/20/2024 05:51	WG2208875
3,3-Dichlorobenzidine	ND		0.419	1	01/20/2024 05:51	WG2208875
2,4-Dinitrotoluene	ND		0.419	1	01/20/2024 05:51	WG2208875
2,6-Dinitrotoluene	ND		0.419	1	01/20/2024 05:51	WG2208875
Fluoranthene	0.213		0.0419	1	01/20/2024 05:51	WG2208875
Fluorene	ND		0.0419	1	01/20/2024 05:51	WG2208875
Hexachlorobenzene	ND		0.419	1	01/20/2024 05:51	WG2208875
Hexachloro-1,3-butadiene	ND		0.419	1	01/20/2024 05:51	WG2208875
Hexachlorocyclopentadiene	ND		0.419	1	01/20/2024 05:51	WG2208875
Hexachloroethane	ND		0.419	1	01/20/2024 05:51	WG2208875
Indeno(1,2,3-cd)pyrene	0.0786		0.0419	1	01/20/2024 05:51	WG2208875
Isophorone	ND		0.419	1	01/20/2024 05:51	WG2208875
Naphthalene	ND		0.0419	1	01/20/2024 05:51	WG2208875
Nitrobenzene	ND		0.419	1	01/20/2024 05:51	WG2208875
n-Nitrosodimethylamine	ND		0.419	1	01/20/2024 05:51	WG2208875
n-Nitrosodiphenylamine	ND		0.419	1	01/20/2024 05:51	WG2208875
n-Nitrosodi-n-propylamine	ND		0.419	1	01/20/2024 05:51	WG2208875
Phenanthrene	0.0883		0.0419	1	01/20/2024 05:51	WG2208875
Benzylbutyl phthalate	ND		0.419	1	01/20/2024 05:51	WG2208875
Bis(2-ethylhexyl)phthalate	ND		0.419	1	01/20/2024 05:51	WG2208875
Di-n-butyl phthalate	ND		0.419	1	01/20/2024 05:51	WG2208875
Diethyl phthalate	ND		0.419	1	01/20/2024 05:51	WG2208875
Dimethyl phthalate	ND		0.419	1	01/20/2024 05:51	WG2208875
Di-n-octyl phthalate	ND		0.419	1	01/20/2024 05:51	WG2208875
Pyrene	0.203		0.0419	1	01/20/2024 05:51	WG2208875
1,2,4-Trichlorobenzene	ND		0.419	1	01/20/2024 05:51	WG2208875
4-Chloro-3-methylphenol	ND		0.419	1	01/20/2024 05:51	WG2208875
2-Chlorophenol	ND		0.419	1	01/20/2024 05:51	WG2208875
2,4-Dichlorophenol	ND		0.419	1	01/20/2024 05:51	WG2208875
2,4-Dimethylphenol	ND		0.419	1	01/20/2024 05:51	WG2208875
4,6-Dinitro-2-methylphenol	ND		0.419	1	01/20/2024 05:51	WG2208875
2,4-Dinitrophenol	ND		0.419	1	01/20/2024 05:51	WG2208875
2-Nitrophenol	ND		0.419	1	01/20/2024 05:51	WG2208875
4-Nitrophenol	ND		0.419	1	01/20/2024 05:51	WG2208875
Pentachlorophenol	ND		0.419	1	01/20/2024 05:51	WG2208875
Phenol	ND		0.419	1	01/20/2024 05:51	WG2208875
2,4,6-Trichlorophenol	ND		0.419	1	01/20/2024 05:51	WG2208875
(S) 2-Fluorophenol	60.6		12.0-120		01/20/2024 05:51	WG2208875
(S) Phenol-d5	57.6		10.0-120		01/20/2024 05:51	WG2208875
(S) Nitrobenzene-d5	65.9		10.0-122		01/20/2024 05:51	WG2208875
(S) 2-Fluorobiphenyl	64.7		15.0-120		01/20/2024 05:51	WG2208875
(S) 2,4,6-Tribromophenol	69.0		10.0-127		01/20/2024 05:51	WG2208875
(S) p-Terphenyl-d14	71.3		10.0-120		01/20/2024 05:51	WG2208875

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.3		1	01/19/2024 08:18	WG2209032

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.22	1	01/24/2024 18:53	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0486	1	01/21/2024 13:20	WG2209506

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.65	5	01/31/2024 13:25	WG2209280
Arsenic	1.36		1.22	5	01/31/2024 13:25	WG2209280
Barium	82.3		3.04	5	01/31/2024 13:25	WG2209280
Beryllium	ND		3.04	5	01/31/2024 13:25	WG2209280
Cadmium	ND		1.22	5	01/31/2024 13:25	WG2209280
Chromium	10.7		6.08	5	01/31/2024 13:25	WG2209280
Cobalt	8.95		1.22	5	01/31/2024 13:25	WG2209280
Copper	ND		6.08	5	01/31/2024 13:25	WG2209280
Lead	11.7		2.43	5	01/31/2024 13:25	WG2209280
Manganese	876		30.4	50	01/31/2024 18:39	WG2209280
Nickel	8.70		3.04	5	01/31/2024 13:25	WG2209280
Selenium	ND		3.04	5	01/31/2024 13:25	WG2209280
Silver	ND		0.608	5	01/31/2024 13:25	WG2209280
Thallium	ND		2.43	5	01/31/2024 13:25	WG2209280
Vanadium	16.8		3.04	5	01/31/2024 13:25	WG2209280
Zinc	ND		30.4	5	01/31/2024 13:25	WG2209280

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0731	1	01/18/2024 01:40	WG2208244
Acrylonitrile	ND		0.0183	1	01/18/2024 01:40	WG2208244
Benzene	ND		0.00146	1	01/18/2024 01:40	WG2208244
Bromobenzene	ND		0.0183	1	01/18/2024 01:40	WG2208244
Bromodichloromethane	ND		0.00365	1	01/18/2024 01:40	WG2208244
Bromoform	ND		0.0365	1	01/18/2024 01:40	WG2208244
Bromomethane	ND		0.0183	1	01/18/2024 01:40	WG2208244
n-Butylbenzene	ND		0.0183	1	01/18/2024 01:40	WG2208244
sec-Butylbenzene	ND		0.0183	1	01/18/2024 01:40	WG2208244
tert-Butylbenzene	ND		0.00731	1	01/18/2024 01:40	WG2208244
Carbon tetrachloride	ND		0.00731	1	01/18/2024 01:40	WG2208244
Chlorobenzene	ND		0.00365	1	01/18/2024 01:40	WG2208244
Chlorodibromomethane	ND		0.00365	1	01/18/2024 01:40	WG2208244
Chloroethane	ND		0.00731	1	01/18/2024 01:40	WG2208244
Chloroform	ND		0.00365	1	01/18/2024 01:40	WG2208244
Chloromethane	ND		0.0183	1	01/18/2024 01:40	WG2208244
2-Chlorotoluene	ND		0.00365	1	01/18/2024 01:40	WG2208244
4-Chlorotoluene	ND		0.00731	1	01/18/2024 01:40	WG2208244
1,2-Dibromo-3-Chloropropane	ND	C3	0.0365	1	01/18/2024 01:40	WG2208244

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00365	1	01/18/2024 01:40	WG2208244
Dibromomethane	ND		0.00731	1	01/18/2024 01:40	WG2208244
1,2-Dichlorobenzene	ND		0.00731	1	01/18/2024 01:40	WG2208244
1,3-Dichlorobenzene	ND		0.00731	1	01/18/2024 01:40	WG2208244
1,4-Dichlorobenzene	ND		0.00731	1	01/18/2024 01:40	WG2208244
Dichlorodifluoromethane	ND		0.00731	1	01/18/2024 01:40	WG2208244
1,1-Dichloroethane	ND		0.00365	1	01/18/2024 01:40	WG2208244
1,2-Dichloroethane	ND		0.00365	1	01/18/2024 01:40	WG2208244
1,1-Dichloroethene	ND		0.00365	1	01/18/2024 01:40	WG2208244
cis-1,2-Dichloroethene	ND		0.00365	1	01/18/2024 01:40	WG2208244
trans-1,2-Dichloroethene	ND		0.00731	1	01/18/2024 01:40	WG2208244
1,2-Dichloropropane	ND		0.00731	1	01/18/2024 01:40	WG2208244
1,1-Dichloropropene	ND		0.00365	1	01/18/2024 01:40	WG2208244
1,3-Dichloropropane	ND		0.00731	1	01/18/2024 01:40	WG2208244
cis-1,3-Dichloropropene	ND		0.00365	1	01/18/2024 01:40	WG2208244
trans-1,3-Dichloropropene	ND		0.00731	1	01/18/2024 01:40	WG2208244
2,2-Dichloropropane	ND		0.00365	1	01/18/2024 01:40	WG2208244
Di-isopropyl ether	ND		0.00146	1	01/18/2024 01:40	WG2208244
Ethylbenzene	ND		0.00365	1	01/18/2024 01:40	WG2208244
Hexachloro-1,3-butadiene	ND		0.0365	1	01/18/2024 01:40	WG2208244
Isopropylbenzene	ND		0.00365	1	01/18/2024 01:40	WG2208244
p-Isopropyltoluene	ND		0.00731	1	01/18/2024 01:40	WG2208244
2-Butanone (MEK)	ND		0.146	1	01/18/2024 01:40	WG2208244
Methylene Chloride	ND		0.0365	1	01/18/2024 01:40	WG2208244
4-Methyl-2-pentanone (MIBK)	ND		0.0365	1	01/18/2024 01:40	WG2208244
Methyl tert-butyl ether	ND		0.00146	1	01/18/2024 01:40	WG2208244
Naphthalene	ND	J3	0.0183	1	01/18/2024 01:40	WG2208244
n-Propylbenzene	ND		0.00731	1	01/18/2024 01:40	WG2208244
Styrene	ND		0.0183	1	01/18/2024 01:40	WG2208244
1,1,1,2-Tetrachloroethane	ND		0.00365	1	01/18/2024 01:40	WG2208244
1,1,2,2-Tetrachloroethane	ND		0.00365	1	01/18/2024 01:40	WG2208244
Tetrachloroethene	ND		0.00365	1	01/18/2024 01:40	WG2208244
Toluene	ND		0.00731	1	01/18/2024 01:40	WG2208244
1,2,3-Trichlorobenzene	ND		0.0183	1	01/18/2024 01:40	WG2208244
1,2,4-Trichlorobenzene	ND		0.0183	1	01/18/2024 01:40	WG2208244
1,1,1-Trichloroethane	ND		0.00365	1	01/18/2024 01:40	WG2208244
1,1,2-Trichloroethane	ND		0.00365	1	01/18/2024 01:40	WG2208244
Trichloroethene	ND		0.00146	1	01/18/2024 01:40	WG2208244
Trichlorofluoromethane	ND		0.00365	1	01/18/2024 01:40	WG2208244
1,2,3-Trichloropropane	ND		0.0183	1	01/18/2024 01:40	WG2208244
1,2,4-Trimethylbenzene	ND		0.00731	1	01/18/2024 01:40	WG2208244
1,3,5-Trimethylbenzene	ND		0.00731	1	01/18/2024 01:40	WG2208244
Vinyl chloride	ND		0.00365	1	01/18/2024 01:40	WG2208244
Xylenes, Total	ND		0.00950	1	01/18/2024 01:40	WG2208244
(S) Toluene-d8	102		75.0-131		01/18/2024 01:40	WG2208244
(S) 4-Bromofluorobenzene	98.0		67.0-138		01/18/2024 01:40	WG2208244
(S) 1,2-Dichloroethane-d4	83.6		70.0-130		01/18/2024 01:40	WG2208244

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0405	1	01/20/2024 00:15	WG2208875
Acenaphthylene	ND		0.0405	1	01/20/2024 00:15	WG2208875
Anthracene	ND		0.0405	1	01/20/2024 00:15	WG2208875
Benzidine	ND		2.03	1	01/20/2024 00:15	WG2208875
Benzo(a)anthracene	ND		0.0405	1	01/20/2024 00:15	WG2208875

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0405	1	01/20/2024 00:15	WG2208875
Benzo(k)fluoranthene	ND		0.0405	1	01/20/2024 00:15	WG2208875
Benzo(g,h,i)perylene	ND		0.0405	1	01/20/2024 00:15	WG2208875
Benzo(a)pyrene	ND		0.0405	1	01/20/2024 00:15	WG2208875
Bis(2-chloroethoxy)methane	ND		0.405	1	01/20/2024 00:15	WG2208875
Bis(2-chloroethyl)ether	ND		0.405	1	01/20/2024 00:15	WG2208875
2,2-Oxybis(1-Chloropropane)	ND		0.405	1	01/20/2024 00:15	WG2208875
4-Bromophenyl-phenylether	ND		0.405	1	01/20/2024 00:15	WG2208875
2-Chloronaphthalene	ND		0.0405	1	01/20/2024 00:15	WG2208875
4-Chlorophenyl-phenylether	ND		0.405	1	01/20/2024 00:15	WG2208875
Chrysene	ND		0.0405	1	01/20/2024 00:15	WG2208875
Dibenz(a,h)anthracene	ND		0.0405	1	01/20/2024 00:15	WG2208875
3,3-Dichlorobenzidine	ND		0.405	1	01/20/2024 00:15	WG2208875
2,4-Dinitrotoluene	ND		0.405	1	01/20/2024 00:15	WG2208875
2,6-Dinitrotoluene	ND		0.405	1	01/20/2024 00:15	WG2208875
Fluoranthene	ND		0.0405	1	01/20/2024 00:15	WG2208875
Fluorene	ND		0.0405	1	01/20/2024 00:15	WG2208875
Hexachlorobenzene	ND		0.405	1	01/20/2024 00:15	WG2208875
Hexachloro-1,3-butadiene	ND		0.405	1	01/20/2024 00:15	WG2208875
Hexachlorocyclopentadiene	ND		0.405	1	01/20/2024 00:15	WG2208875
Hexachloroethane	ND		0.405	1	01/20/2024 00:15	WG2208875
Indeno(1,2,3-cd)pyrene	ND		0.0405	1	01/20/2024 00:15	WG2208875
Isophorone	ND		0.405	1	01/20/2024 00:15	WG2208875
Naphthalene	ND		0.0405	1	01/20/2024 00:15	WG2208875
Nitrobenzene	ND		0.405	1	01/20/2024 00:15	WG2208875
n-Nitrosodimethylamine	ND		0.405	1	01/20/2024 00:15	WG2208875
n-Nitrosodiphenylamine	ND		0.405	1	01/20/2024 00:15	WG2208875
n-Nitrosodi-n-propylamine	ND		0.405	1	01/20/2024 00:15	WG2208875
Phenanthrene	ND		0.0405	1	01/20/2024 00:15	WG2208875
Benzylbutyl phthalate	ND		0.405	1	01/20/2024 00:15	WG2208875
Bis(2-ethylhexyl)phthalate	ND		0.405	1	01/20/2024 00:15	WG2208875
Di-n-butyl phthalate	ND		0.405	1	01/20/2024 00:15	WG2208875
Diethyl phthalate	ND		0.405	1	01/20/2024 00:15	WG2208875
Dimethyl phthalate	ND		0.405	1	01/20/2024 00:15	WG2208875
Di-n-octyl phthalate	ND		0.405	1	01/20/2024 00:15	WG2208875
Pyrene	ND		0.0405	1	01/20/2024 00:15	WG2208875
1,2,4-Trichlorobenzene	ND		0.405	1	01/20/2024 00:15	WG2208875
4-Chloro-3-methylphenol	ND		0.405	1	01/20/2024 00:15	WG2208875
2-Chlorophenol	ND		0.405	1	01/20/2024 00:15	WG2208875
2,4-Dichlorophenol	ND		0.405	1	01/20/2024 00:15	WG2208875
2,4-Dimethylphenol	ND		0.405	1	01/20/2024 00:15	WG2208875
4,6-Dinitro-2-methylphenol	ND		0.405	1	01/20/2024 00:15	WG2208875
2,4-Dinitrophenol	ND		0.405	1	01/20/2024 00:15	WG2208875
2-Nitrophenol	ND		0.405	1	01/20/2024 00:15	WG2208875
4-Nitrophenol	ND		0.405	1	01/20/2024 00:15	WG2208875
Pentachlorophenol	ND		0.405	1	01/20/2024 00:15	WG2208875
Phenol	ND		0.405	1	01/20/2024 00:15	WG2208875
2,4,6-Trichlorophenol	ND		0.405	1	01/20/2024 00:15	WG2208875
(S) 2-Fluorophenol	60.3		12.0-120		01/20/2024 00:15	WG2208875
(S) Phenol-d5	58.0		10.0-120		01/20/2024 00:15	WG2208875
(S) Nitrobenzene-d5	68.0		10.0-122		01/20/2024 00:15	WG2208875
(S) 2-Fluorobiphenyl	63.0		15.0-120		01/20/2024 00:15	WG2208875
(S) 2,4,6-Tribromophenol	63.2		10.0-127		01/20/2024 00:15	WG2208875
(S) p-Terphenyl-d14	68.7		10.0-120		01/20/2024 00:15	WG2208875

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	69.3		1	01/19/2024 08:09	WG2209033

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.44	1	01/24/2024 18:59	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0935		0.0577	1	01/21/2024 13:22	WG2209506

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.33	5	01/31/2024 13:39	WG2209280
Arsenic	3.25		1.44	5	01/31/2024 13:39	WG2209280
Barium	136		3.61	5	01/31/2024 13:39	WG2209280
Beryllium	ND		3.61	5	01/31/2024 13:39	WG2209280
Cadmium	ND		1.44	5	01/31/2024 13:39	WG2209280
Chromium	27.1		7.21	5	01/31/2024 13:39	WG2209280
Cobalt	11.2		1.44	5	01/31/2024 13:39	WG2209280
Copper	16.5		7.21	5	01/31/2024 13:39	WG2209280
Lead	33.5		2.89	5	01/31/2024 13:39	WG2209280
Manganese	711		18.0	25	01/31/2024 18:43	WG2209280
Nickel	16.5		3.61	5	01/31/2024 13:39	WG2209280
Selenium	ND		3.61	5	01/31/2024 13:39	WG2209280
Silver	ND		0.721	5	01/31/2024 13:39	WG2209280
Thallium	ND		2.89	5	01/31/2024 13:39	WG2209280
Vanadium	38.8		3.61	5	01/31/2024 13:39	WG2209280
Zinc	45.8		36.1	5	01/31/2024 13:39	WG2209280

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0945	1	01/18/2024 01:59	WG2208244
Acrylonitrile	ND		0.0236	1	01/18/2024 01:59	WG2208244
Benzene	ND		0.00189	1	01/18/2024 01:59	WG2208244
Bromobenzene	ND		0.0236	1	01/18/2024 01:59	WG2208244
Bromodichloromethane	ND		0.00473	1	01/18/2024 01:59	WG2208244
Bromoform	ND		0.0473	1	01/18/2024 01:59	WG2208244
Bromomethane	ND		0.0236	1	01/18/2024 01:59	WG2208244
n-Butylbenzene	ND		0.0236	1	01/18/2024 01:59	WG2208244
sec-Butylbenzene	ND		0.0236	1	01/18/2024 01:59	WG2208244
tert-Butylbenzene	ND		0.00945	1	01/18/2024 01:59	WG2208244
Carbon tetrachloride	ND		0.00945	1	01/18/2024 01:59	WG2208244
Chlorobenzene	ND		0.00473	1	01/18/2024 01:59	WG2208244
Chlorodibromomethane	ND		0.00473	1	01/18/2024 01:59	WG2208244
Chloroethane	ND		0.00945	1	01/18/2024 01:59	WG2208244
Chloroform	ND		0.00473	1	01/18/2024 01:59	WG2208244
Chloromethane	ND		0.0236	1	01/18/2024 01:59	WG2208244
2-Chlorotoluene	ND		0.00473	1	01/18/2024 01:59	WG2208244
4-Chlorotoluene	ND		0.00945	1	01/18/2024 01:59	WG2208244
1,2-Dibromo-3-Chloropropane	ND	C3	0.0473	1	01/18/2024 01:59	WG2208244

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00473	1	01/18/2024 01:59	WG2208244
Dibromomethane	ND		0.00945	1	01/18/2024 01:59	WG2208244
1,2-Dichlorobenzene	ND		0.00945	1	01/18/2024 01:59	WG2208244
1,3-Dichlorobenzene	ND		0.00945	1	01/18/2024 01:59	WG2208244
1,4-Dichlorobenzene	ND		0.00945	1	01/18/2024 01:59	WG2208244
Dichlorodifluoromethane	ND		0.00945	1	01/18/2024 01:59	WG2208244
1,1-Dichloroethane	ND		0.00473	1	01/18/2024 01:59	WG2208244
1,2-Dichloroethane	ND		0.00473	1	01/18/2024 01:59	WG2208244
1,1-Dichloroethene	ND		0.00473	1	01/18/2024 01:59	WG2208244
cis-1,2-Dichloroethene	ND		0.00473	1	01/18/2024 01:59	WG2208244
trans-1,2-Dichloroethene	ND		0.00945	1	01/18/2024 01:59	WG2208244
1,2-Dichloropropane	ND		0.00945	1	01/18/2024 01:59	WG2208244
1,1-Dichloropropene	ND		0.00473	1	01/18/2024 01:59	WG2208244
1,3-Dichloropropane	ND		0.00945	1	01/18/2024 01:59	WG2208244
cis-1,3-Dichloropropene	ND		0.00473	1	01/18/2024 01:59	WG2208244
trans-1,3-Dichloropropene	ND		0.00945	1	01/18/2024 01:59	WG2208244
2,2-Dichloropropane	ND		0.00473	1	01/18/2024 01:59	WG2208244
Di-isopropyl ether	ND		0.00189	1	01/18/2024 01:59	WG2208244
Ethylbenzene	ND		0.00473	1	01/18/2024 01:59	WG2208244
Hexachloro-1,3-butadiene	ND		0.0473	1	01/18/2024 01:59	WG2208244
Isopropylbenzene	ND		0.00473	1	01/18/2024 01:59	WG2208244
p-Isopropyltoluene	ND		0.00945	1	01/18/2024 01:59	WG2208244
2-Butanone (MEK)	ND		0.189	1	01/18/2024 01:59	WG2208244
Methylene Chloride	ND		0.0473	1	01/18/2024 01:59	WG2208244
4-Methyl-2-pentanone (MIBK)	ND		0.0473	1	01/18/2024 01:59	WG2208244
Methyl tert-butyl ether	ND		0.00189	1	01/18/2024 01:59	WG2208244
Naphthalene	ND	J3	0.0236	1	01/18/2024 01:59	WG2208244
n-Propylbenzene	ND		0.00945	1	01/18/2024 01:59	WG2208244
Styrene	ND		0.0236	1	01/18/2024 01:59	WG2208244
1,1,1,2-Tetrachloroethane	ND		0.00473	1	01/18/2024 01:59	WG2208244
1,1,2,2-Tetrachloroethane	ND		0.00473	1	01/18/2024 01:59	WG2208244
Tetrachloroethene	ND		0.00473	1	01/18/2024 01:59	WG2208244
Toluene	ND		0.00945	1	01/18/2024 01:59	WG2208244
1,2,3-Trichlorobenzene	ND		0.0236	1	01/18/2024 01:59	WG2208244
1,2,4-Trichlorobenzene	ND		0.0236	1	01/18/2024 01:59	WG2208244
1,1,1-Trichloroethane	ND		0.00473	1	01/18/2024 01:59	WG2208244
1,1,2-Trichloroethane	ND		0.00473	1	01/18/2024 01:59	WG2208244
Trichloroethene	ND		0.00189	1	01/18/2024 01:59	WG2208244
Trichlorofluoromethane	ND		0.00473	1	01/18/2024 01:59	WG2208244
1,2,3-Trichloropropane	ND		0.0236	1	01/18/2024 01:59	WG2208244
1,2,4-Trimethylbenzene	ND		0.00945	1	01/18/2024 01:59	WG2208244
1,3,5-Trimethylbenzene	ND		0.00945	1	01/18/2024 01:59	WG2208244
Vinyl chloride	ND		0.00473	1	01/18/2024 01:59	WG2208244
Xylenes, Total	ND		0.0123	1	01/18/2024 01:59	WG2208244
(S) Toluene-d8	98.6		75.0-131		01/18/2024 01:59	WG2208244
(S) 4-Bromofluorobenzene	108		67.0-138		01/18/2024 01:59	WG2208244
(S) 1,2-Dichloroethane-d4	92.3		70.0-130		01/18/2024 01:59	WG2208244

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0480	1	01/20/2024 02:16	WG2208875
Acenaphthylene	ND		0.0480	1	01/20/2024 02:16	WG2208875
Anthracene	ND		0.0480	1	01/20/2024 02:16	WG2208875
Benzidine	ND		2.41	1	01/20/2024 02:16	WG2208875
Benzo(a)anthracene	ND		0.0480	1	01/20/2024 02:16	WG2208875

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0480	1	01/20/2024 02:16	WG2208875
Benzo(k)fluoranthene	ND		0.0480	1	01/20/2024 02:16	WG2208875
Benzo(g,h,i)perylene	ND		0.0480	1	01/20/2024 02:16	WG2208875
Benzo(a)pyrene	ND		0.0480	1	01/20/2024 02:16	WG2208875
Bis(2-chloroethoxy)methane	ND		0.480	1	01/20/2024 02:16	WG2208875
Bis(2-chloroethyl)ether	ND		0.480	1	01/20/2024 02:16	WG2208875
2,2-Oxybis(1-Chloropropane)	ND		0.480	1	01/20/2024 02:16	WG2208875
4-Bromophenyl-phenylether	ND		0.480	1	01/20/2024 02:16	WG2208875
2-Chloronaphthalene	ND		0.0480	1	01/20/2024 02:16	WG2208875
4-Chlorophenyl-phenylether	ND		0.480	1	01/20/2024 02:16	WG2208875
Chrysene	ND		0.0480	1	01/20/2024 02:16	WG2208875
Dibenz(a,h)anthracene	ND		0.0480	1	01/20/2024 02:16	WG2208875
3,3-Dichlorobenzidine	ND		0.480	1	01/20/2024 02:16	WG2208875
2,4-Dinitrotoluene	ND		0.480	1	01/20/2024 02:16	WG2208875
2,6-Dinitrotoluene	ND		0.480	1	01/20/2024 02:16	WG2208875
Fluoranthene	0.0597		0.0480	1	01/20/2024 02:16	WG2208875
Fluorene	ND		0.0480	1	01/20/2024 02:16	WG2208875
Hexachlorobenzene	ND		0.480	1	01/20/2024 02:16	WG2208875
Hexachloro-1,3-butadiene	ND		0.480	1	01/20/2024 02:16	WG2208875
Hexachlorocyclopentadiene	ND		0.480	1	01/20/2024 02:16	WG2208875
Hexachloroethane	ND		0.480	1	01/20/2024 02:16	WG2208875
Indeno(1,2,3-cd)pyrene	ND		0.0480	1	01/20/2024 02:16	WG2208875
Isophorone	ND		0.480	1	01/20/2024 02:16	WG2208875
Naphthalene	ND		0.0480	1	01/20/2024 02:16	WG2208875
Nitrobenzene	ND		0.480	1	01/20/2024 02:16	WG2208875
n-Nitrosodimethylamine	ND		0.480	1	01/20/2024 02:16	WG2208875
n-Nitrosodiphenylamine	ND		0.480	1	01/20/2024 02:16	WG2208875
n-Nitrosodi-n-propylamine	ND		0.480	1	01/20/2024 02:16	WG2208875
Phenanthrene	ND		0.0480	1	01/20/2024 02:16	WG2208875
Benzylbutyl phthalate	ND		0.480	1	01/20/2024 02:16	WG2208875
Bis(2-ethylhexyl)phthalate	ND		0.480	1	01/20/2024 02:16	WG2208875
Di-n-butyl phthalate	ND		0.480	1	01/20/2024 02:16	WG2208875
Diethyl phthalate	ND		0.480	1	01/20/2024 02:16	WG2208875
Dimethyl phthalate	ND		0.480	1	01/20/2024 02:16	WG2208875
Di-n-octyl phthalate	ND		0.480	1	01/20/2024 02:16	WG2208875
Pyrene	0.0587		0.0480	1	01/20/2024 02:16	WG2208875
1,2,4-Trichlorobenzene	ND		0.480	1	01/20/2024 02:16	WG2208875
4-Chloro-3-methylphenol	ND		0.480	1	01/20/2024 02:16	WG2208875
2-Chlorophenol	ND		0.480	1	01/20/2024 02:16	WG2208875
2,4-Dichlorophenol	ND		0.480	1	01/20/2024 02:16	WG2208875
2,4-Dimethylphenol	ND		0.480	1	01/20/2024 02:16	WG2208875
4,6-Dinitro-2-methylphenol	ND		0.480	1	01/20/2024 02:16	WG2208875
2,4-Dinitrophenol	ND		0.480	1	01/20/2024 02:16	WG2208875
2-Nitrophenol	ND		0.480	1	01/20/2024 02:16	WG2208875
4-Nitrophenol	ND		0.480	1	01/20/2024 02:16	WG2208875
Pentachlorophenol	ND		0.480	1	01/20/2024 02:16	WG2208875
Phenol	ND		0.480	1	01/20/2024 02:16	WG2208875
2,4,6-Trichlorophenol	ND		0.480	1	01/20/2024 02:16	WG2208875
(S) 2-Fluorophenol	63.7		12.0-120		01/20/2024 02:16	WG2208875
(S) Phenol-d5	60.4		10.0-120		01/20/2024 02:16	WG2208875
(S) Nitrobenzene-d5	69.5		10.0-122		01/20/2024 02:16	WG2208875
(S) 2-Fluorobiphenyl	63.8		15.0-120		01/20/2024 02:16	WG2208875
(S) 2,4,6-Tribromophenol	67.3		10.0-127		01/20/2024 02:16	WG2208875
(S) p-Terphenyl-d14	70.4		10.0-120		01/20/2024 02:16	WG2208875

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	73.9		1	01/19/2024 08:09	WG2209033

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.35	1	01/24/2024 19:05	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	0.0790		0.0541	1	01/21/2024 13:25	WG2209506

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		4.06	5	01/31/2024 13:42	WG2209280
Arsenic	2.96		1.35	5	01/31/2024 13:42	WG2209280
Barium	136		3.38	5	01/31/2024 13:42	WG2209280
Beryllium	ND		3.38	5	01/31/2024 13:42	WG2209280
Cadmium	ND		1.35	5	01/31/2024 13:42	WG2209280
Chromium	35.7		6.76	5	01/31/2024 13:42	WG2209280
Cobalt	11.7		1.35	5	01/31/2024 13:42	WG2209280
Copper	17.3		6.76	5	01/31/2024 13:42	WG2209280
Lead	28.8		2.71	5	01/31/2024 13:42	WG2209280
Manganese	599		16.9	25	01/31/2024 18:46	WG2209280
Nickel	18.2		3.38	5	01/31/2024 13:42	WG2209280
Selenium	ND		3.38	5	01/31/2024 13:42	WG2209280
Silver	ND		0.676	5	01/31/2024 13:42	WG2209280
Thallium	ND		2.71	5	01/31/2024 13:42	WG2209280
Vanadium	49.1		3.38	5	01/31/2024 13:42	WG2209280
Zinc	42.9		33.8	5	01/31/2024 13:42	WG2209280

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND	C3	0.0861	1	01/18/2024 02:18	WG2208244
Acrylonitrile	ND		0.0215	1	01/18/2024 02:18	WG2208244
Benzene	ND		0.00172	1	01/18/2024 02:18	WG2208244
Bromobenzene	ND		0.0215	1	01/18/2024 02:18	WG2208244
Bromodichloromethane	ND		0.00430	1	01/18/2024 02:18	WG2208244
Bromoform	ND		0.0430	1	01/18/2024 02:18	WG2208244
Bromomethane	ND		0.0215	1	01/18/2024 02:18	WG2208244
n-Butylbenzene	ND		0.0215	1	01/18/2024 02:18	WG2208244
sec-Butylbenzene	ND		0.0215	1	01/18/2024 02:18	WG2208244
tert-Butylbenzene	ND		0.00861	1	01/18/2024 02:18	WG2208244
Carbon tetrachloride	ND		0.00861	1	01/18/2024 02:18	WG2208244
Chlorobenzene	ND		0.00430	1	01/18/2024 02:18	WG2208244
Chlorodibromomethane	ND		0.00430	1	01/18/2024 02:18	WG2208244
Chloroethane	ND		0.00861	1	01/18/2024 02:18	WG2208244
Chloroform	ND		0.00430	1	01/18/2024 02:18	WG2208244
Chloromethane	ND		0.0215	1	01/18/2024 02:18	WG2208244
2-Chlorotoluene	ND		0.00430	1	01/18/2024 02:18	WG2208244
4-Chlorotoluene	ND		0.00861	1	01/18/2024 02:18	WG2208244
1,2-Dibromo-3-Chloropropane	ND	C3	0.0430	1	01/18/2024 02:18	WG2208244

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00430	1	01/18/2024 02:18	WG2208244
Dibromomethane	ND		0.00861	1	01/18/2024 02:18	WG2208244
1,2-Dichlorobenzene	ND		0.00861	1	01/18/2024 02:18	WG2208244
1,3-Dichlorobenzene	ND		0.00861	1	01/18/2024 02:18	WG2208244
1,4-Dichlorobenzene	ND		0.00861	1	01/18/2024 02:18	WG2208244
Dichlorodifluoromethane	ND		0.00861	1	01/18/2024 02:18	WG2208244
1,1-Dichloroethane	ND		0.00430	1	01/18/2024 02:18	WG2208244
1,2-Dichloroethane	ND		0.00430	1	01/18/2024 02:18	WG2208244
1,1-Dichloroethene	ND		0.00430	1	01/18/2024 02:18	WG2208244
cis-1,2-Dichloroethene	ND		0.00430	1	01/18/2024 02:18	WG2208244
trans-1,2-Dichloroethene	ND		0.00861	1	01/18/2024 02:18	WG2208244
1,2-Dichloropropane	ND		0.00861	1	01/18/2024 02:18	WG2208244
1,1-Dichloropropene	ND		0.00430	1	01/18/2024 02:18	WG2208244
1,3-Dichloropropane	ND		0.00861	1	01/18/2024 02:18	WG2208244
cis-1,3-Dichloropropene	ND		0.00430	1	01/18/2024 02:18	WG2208244
trans-1,3-Dichloropropene	ND		0.00861	1	01/18/2024 02:18	WG2208244
2,2-Dichloropropane	ND		0.00430	1	01/18/2024 02:18	WG2208244
Di-isopropyl ether	ND		0.00172	1	01/18/2024 02:18	WG2208244
Ethylbenzene	ND		0.00430	1	01/18/2024 02:18	WG2208244
Hexachloro-1,3-butadiene	ND		0.0430	1	01/18/2024 02:18	WG2208244
Isopropylbenzene	ND		0.00430	1	01/18/2024 02:18	WG2208244
p-Isopropyltoluene	0.0301		0.00861	1	01/18/2024 02:18	WG2208244
2-Butanone (MEK)	ND		0.172	1	01/18/2024 02:18	WG2208244
Methylene Chloride	ND		0.0430	1	01/18/2024 02:18	WG2208244
4-Methyl-2-pentanone (MIBK)	ND		0.0430	1	01/18/2024 02:18	WG2208244
Methyl tert-butyl ether	ND		0.00172	1	01/18/2024 02:18	WG2208244
Naphthalene	ND	J3	0.0215	1	01/18/2024 02:18	WG2208244
n-Propylbenzene	ND		0.00861	1	01/18/2024 02:18	WG2208244
Styrene	ND		0.0215	1	01/18/2024 02:18	WG2208244
1,1,1,2-Tetrachloroethane	ND		0.00430	1	01/18/2024 02:18	WG2208244
1,1,2,2-Tetrachloroethane	ND		0.00430	1	01/18/2024 02:18	WG2208244
Tetrachloroethene	ND		0.00430	1	01/18/2024 02:18	WG2208244
Toluene	ND		0.00861	1	01/18/2024 02:18	WG2208244
1,2,3-Trichlorobenzene	ND		0.0215	1	01/18/2024 02:18	WG2208244
1,2,4-Trichlorobenzene	ND		0.0215	1	01/18/2024 02:18	WG2208244
1,1,1-Trichloroethane	ND		0.00430	1	01/18/2024 02:18	WG2208244
1,1,2-Trichloroethane	ND		0.00430	1	01/18/2024 02:18	WG2208244
Trichloroethene	ND		0.00172	1	01/18/2024 02:18	WG2208244
Trichlorofluoromethane	ND		0.00430	1	01/18/2024 02:18	WG2208244
1,2,3-Trichloropropane	ND		0.0215	1	01/18/2024 02:18	WG2208244
1,2,4-Trimethylbenzene	ND		0.00861	1	01/18/2024 02:18	WG2208244
1,3,5-Trimethylbenzene	ND		0.00861	1	01/18/2024 02:18	WG2208244
Vinyl chloride	ND		0.00430	1	01/18/2024 02:18	WG2208244
Xylenes, Total	ND		0.0112	1	01/18/2024 02:18	WG2208244
(S) Toluene-d8	102		75.0-131		01/18/2024 02:18	WG2208244
(S) 4-Bromofluorobenzene	101		67.0-138		01/18/2024 02:18	WG2208244
(S) 1,2-Dichloroethane-d4	89.0		70.0-130		01/18/2024 02:18	WG2208244

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	01/20/2024 02:40	WG2208875
Acenaphthylene	ND		0.0450	1	01/20/2024 02:40	WG2208875
Anthracene	ND		0.0450	1	01/20/2024 02:40	WG2208875
Benzidine	ND		2.26	1	01/20/2024 02:40	WG2208875
Benzo(a)anthracene	0.0603		0.0450	1	01/20/2024 02:40	WG2208875

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0847		0.0450	1	01/20/2024 02:40	WG2208875
Benzo(k)fluoranthene	ND		0.0450	1	01/20/2024 02:40	WG2208875
Benzo(g,h,i)perylene	0.0467		0.0450	1	01/20/2024 02:40	WG2208875
Benzo(a)pyrene	0.0634		0.0450	1	01/20/2024 02:40	WG2208875
Bis(2-chloroethoxy)methane	ND		0.450	1	01/20/2024 02:40	WG2208875
Bis(2-chloroethyl)ether	ND		0.450	1	01/20/2024 02:40	WG2208875
2,2-Oxybis(1-Chloropropane)	ND		0.450	1	01/20/2024 02:40	WG2208875
4-Bromophenyl-phenylether	ND		0.450	1	01/20/2024 02:40	WG2208875
2-Chloronaphthalene	ND		0.0450	1	01/20/2024 02:40	WG2208875
4-Chlorophenyl-phenylether	ND		0.450	1	01/20/2024 02:40	WG2208875
Chrysene	0.0641		0.0450	1	01/20/2024 02:40	WG2208875
Dibenz(a,h)anthracene	ND		0.0450	1	01/20/2024 02:40	WG2208875
3,3-Dichlorobenzidine	ND		0.450	1	01/20/2024 02:40	WG2208875
2,4-Dinitrotoluene	ND		0.450	1	01/20/2024 02:40	WG2208875
2,6-Dinitrotoluene	ND		0.450	1	01/20/2024 02:40	WG2208875
Fluoranthene	0.134		0.0450	1	01/20/2024 02:40	WG2208875
Fluorene	ND		0.0450	1	01/20/2024 02:40	WG2208875
Hexachlorobenzene	ND		0.450	1	01/20/2024 02:40	WG2208875
Hexachloro-1,3-butadiene	ND		0.450	1	01/20/2024 02:40	WG2208875
Hexachlorocyclopentadiene	ND		0.450	1	01/20/2024 02:40	WG2208875
Hexachloroethane	ND		0.450	1	01/20/2024 02:40	WG2208875
Indeno(1,2,3-cd)pyrene	0.0502		0.0450	1	01/20/2024 02:40	WG2208875
Isophorone	ND		0.450	1	01/20/2024 02:40	WG2208875
Naphthalene	ND		0.0450	1	01/20/2024 02:40	WG2208875
Nitrobenzene	ND		0.450	1	01/20/2024 02:40	WG2208875
n-Nitrosodimethylamine	ND		0.450	1	01/20/2024 02:40	WG2208875
n-Nitrosodiphenylamine	ND		0.450	1	01/20/2024 02:40	WG2208875
n-Nitrosodi-n-propylamine	ND		0.450	1	01/20/2024 02:40	WG2208875
Phenanthrene	0.0668		0.0450	1	01/20/2024 02:40	WG2208875
Benzylbutyl phthalate	ND		0.450	1	01/20/2024 02:40	WG2208875
Bis(2-ethylhexyl)phthalate	ND		0.450	1	01/20/2024 02:40	WG2208875
Di-n-butyl phthalate	ND		0.450	1	01/20/2024 02:40	WG2208875
Diethyl phthalate	ND		0.450	1	01/20/2024 02:40	WG2208875
Dimethyl phthalate	ND		0.450	1	01/20/2024 02:40	WG2208875
Di-n-octyl phthalate	ND		0.450	1	01/20/2024 02:40	WG2208875
Pyrene	0.135		0.0450	1	01/20/2024 02:40	WG2208875
1,2,4-Trichlorobenzene	ND		0.450	1	01/20/2024 02:40	WG2208875
4-Chloro-3-methylphenol	ND		0.450	1	01/20/2024 02:40	WG2208875
2-Chlorophenol	ND		0.450	1	01/20/2024 02:40	WG2208875
2,4-Dichlorophenol	ND		0.450	1	01/20/2024 02:40	WG2208875
2,4-Dimethylphenol	ND		0.450	1	01/20/2024 02:40	WG2208875
4,6-Dinitro-2-methylphenol	ND		0.450	1	01/20/2024 02:40	WG2208875
2,4-Dinitrophenol	ND		0.450	1	01/20/2024 02:40	WG2208875
2-Nitrophenol	ND		0.450	1	01/20/2024 02:40	WG2208875
4-Nitrophenol	ND		0.450	1	01/20/2024 02:40	WG2208875
Pentachlorophenol	ND		0.450	1	01/20/2024 02:40	WG2208875
Phenol	ND		0.450	1	01/20/2024 02:40	WG2208875
2,4,6-Trichlorophenol	ND		0.450	1	01/20/2024 02:40	WG2208875
(S) 2-Fluorophenol	60.8		12.0-120		01/20/2024 02:40	WG2208875
(S) Phenol-d5	59.3		10.0-120		01/20/2024 02:40	WG2208875
(S) Nitrobenzene-d5	69.9		10.0-122		01/20/2024 02:40	WG2208875
(S) 2-Fluorobiphenyl	64.5		15.0-120		01/20/2024 02:40	WG2208875
(S) 2,4,6-Tribromophenol	66.4		10.0-127		01/20/2024 02:40	WG2208875
(S) p-Terphenyl-d14	70.2		10.0-120		01/20/2024 02:40	WG2208875

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.1		1	01/19/2024 08:09	WG2209033

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.25	1	01/24/2024 19:48	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0499	1	01/21/2024 13:27	WG2209506

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	J6 O1	3.75	5	01/31/2024 13:03	WG2209280
Arsenic	2.50	O1	1.25	5	01/31/2024 13:03	WG2209280
Barium	154	J6 O1	3.12	5	01/31/2024 13:03	WG2209280
Beryllium	ND		3.12	5	01/31/2024 13:03	WG2209280
Cadmium	ND	O1	1.25	5	01/31/2024 13:03	WG2209280
Chromium	34.8	O1	6.24	5	01/31/2024 13:03	WG2209280
Cobalt	19.9	O1	1.25	5	01/31/2024 13:03	WG2209280
Copper	39.5	J6 O1	6.24	5	01/31/2024 13:03	WG2209280
Lead	23.5	O1	2.50	5	01/31/2024 13:03	WG2209280
Manganese	838		31.2	50	01/31/2024 18:49	WG2209280
Nickel	20.1	O1	3.12	5	01/31/2024 13:03	WG2209280
Selenium	ND	O1	3.12	5	01/31/2024 13:03	WG2209280
Silver	ND		0.624	5	01/31/2024 13:03	WG2209280
Thallium	ND	O1	2.50	5	01/31/2024 13:03	WG2209280
Vanadium	116	J3 J6 O1	3.12	5	01/31/2024 13:03	WG2209280
Zinc	79.7	J6 O1	31.2	5	01/31/2024 13:03	WG2209280

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0773	1	01/18/2024 02:37	WG2208244
Acrylonitrile	ND		0.0193	1	01/18/2024 02:37	WG2208244
Benzene	ND		0.00155	1	01/18/2024 02:37	WG2208244
Bromobenzene	ND		0.0193	1	01/18/2024 02:37	WG2208244
Bromodichloromethane	ND		0.00387	1	01/18/2024 02:37	WG2208244
Bromoform	ND		0.0387	1	01/18/2024 02:37	WG2208244
Bromomethane	ND		0.0193	1	01/18/2024 02:37	WG2208244
n-Butylbenzene	ND		0.0193	1	01/18/2024 02:37	WG2208244
sec-Butylbenzene	ND		0.0193	1	01/18/2024 02:37	WG2208244
tert-Butylbenzene	ND		0.00773	1	01/18/2024 02:37	WG2208244
Carbon tetrachloride	ND		0.00773	1	01/18/2024 02:37	WG2208244
Chlorobenzene	ND		0.00387	1	01/18/2024 02:37	WG2208244
Chlorodibromomethane	ND		0.00387	1	01/18/2024 02:37	WG2208244
Chloroethane	ND		0.00773	1	01/18/2024 02:37	WG2208244
Chloroform	ND		0.00387	1	01/18/2024 02:37	WG2208244
Chloromethane	ND		0.0193	1	01/18/2024 02:37	WG2208244
2-Chlorotoluene	ND		0.00387	1	01/18/2024 02:37	WG2208244
4-Chlorotoluene	ND		0.00773	1	01/18/2024 02:37	WG2208244
1,2-Dibromo-3-Chloropropane	ND	C3	0.0387	1	01/18/2024 02:37	WG2208244

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00387	1	01/18/2024 02:37	WG2208244
Dibromomethane	ND		0.00773	1	01/18/2024 02:37	WG2208244
1,2-Dichlorobenzene	ND		0.00773	1	01/18/2024 02:37	WG2208244
1,3-Dichlorobenzene	ND		0.00773	1	01/18/2024 02:37	WG2208244
1,4-Dichlorobenzene	ND		0.00773	1	01/18/2024 02:37	WG2208244
Dichlorodifluoromethane	ND		0.00773	1	01/18/2024 02:37	WG2208244
1,1-Dichloroethane	ND		0.00387	1	01/18/2024 02:37	WG2208244
1,2-Dichloroethane	ND		0.00387	1	01/18/2024 02:37	WG2208244
1,1-Dichloroethene	ND		0.00387	1	01/18/2024 02:37	WG2208244
cis-1,2-Dichloroethene	ND		0.00387	1	01/18/2024 02:37	WG2208244
trans-1,2-Dichloroethene	ND		0.00773	1	01/18/2024 02:37	WG2208244
1,2-Dichloropropane	ND		0.00773	1	01/18/2024 02:37	WG2208244
1,1-Dichloropropene	ND		0.00387	1	01/18/2024 02:37	WG2208244
1,3-Dichloropropane	ND		0.00773	1	01/18/2024 02:37	WG2208244
cis-1,3-Dichloropropene	ND		0.00387	1	01/18/2024 02:37	WG2208244
trans-1,3-Dichloropropene	ND		0.00773	1	01/18/2024 02:37	WG2208244
2,2-Dichloropropane	ND		0.00387	1	01/18/2024 02:37	WG2208244
Di-isopropyl ether	ND		0.00155	1	01/18/2024 02:37	WG2208244
Ethylbenzene	ND		0.00387	1	01/18/2024 02:37	WG2208244
Hexachloro-1,3-butadiene	ND		0.0387	1	01/18/2024 02:37	WG2208244
Isopropylbenzene	ND		0.00387	1	01/18/2024 02:37	WG2208244
p-Isopropyltoluene	ND		0.00773	1	01/18/2024 02:37	WG2208244
2-Butanone (MEK)	ND		0.155	1	01/18/2024 02:37	WG2208244
Methylene Chloride	ND		0.0387	1	01/18/2024 02:37	WG2208244
4-Methyl-2-pentanone (MIBK)	ND		0.0387	1	01/18/2024 02:37	WG2208244
Methyl tert-butyl ether	ND		0.00155	1	01/18/2024 02:37	WG2208244
Naphthalene	ND	J3	0.0193	1	01/18/2024 02:37	WG2208244
n-Propylbenzene	ND		0.00773	1	01/18/2024 02:37	WG2208244
Styrene	ND		0.0193	1	01/18/2024 02:37	WG2208244
1,1,1,2-Tetrachloroethane	ND		0.00387	1	01/18/2024 02:37	WG2208244
1,1,2,2-Tetrachloroethane	ND		0.00387	1	01/18/2024 02:37	WG2208244
Tetrachloroethene	ND		0.00387	1	01/18/2024 02:37	WG2208244
Toluene	ND		0.00773	1	01/18/2024 02:37	WG2208244
1,2,3-Trichlorobenzene	ND		0.0193	1	01/18/2024 02:37	WG2208244
1,2,4-Trichlorobenzene	ND		0.0193	1	01/18/2024 02:37	WG2208244
1,1,1-Trichloroethane	ND		0.00387	1	01/18/2024 02:37	WG2208244
1,1,2-Trichloroethane	ND		0.00387	1	01/18/2024 02:37	WG2208244
Trichloroethene	ND		0.00155	1	01/18/2024 02:37	WG2208244
Trichlorofluoromethane	ND		0.00387	1	01/18/2024 02:37	WG2208244
1,2,3-Trichloropropane	ND		0.0193	1	01/18/2024 02:37	WG2208244
1,2,4-Trimethylbenzene	ND		0.00773	1	01/18/2024 02:37	WG2208244
1,3,5-Trimethylbenzene	ND		0.00773	1	01/18/2024 02:37	WG2208244
Vinyl chloride	ND		0.00387	1	01/18/2024 02:37	WG2208244
Xylenes, Total	ND		0.0101	1	01/18/2024 02:37	WG2208244
(S) Toluene-d8	99.0		75.0-131		01/18/2024 02:37	WG2208244
(S) 4-Bromofluorobenzene	104		67.0-138		01/18/2024 02:37	WG2208244
(S) 1,2-Dichloroethane-d4	90.9		70.0-130		01/18/2024 02:37	WG2208244

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0416	1	01/20/2024 03:03	WG2208875
Acenaphthylene	ND		0.0416	1	01/20/2024 03:03	WG2208875
Anthracene	ND		0.0416	1	01/20/2024 03:03	WG2208875
Benzidine	ND		2.08	1	01/20/2024 03:03	WG2208875
Benzo(a)anthracene	0.0566		0.0416	1	01/20/2024 03:03	WG2208875

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0665		0.0416	1	01/20/2024 03:03	WG2208875
Benzo(k)fluoranthene	ND		0.0416	1	01/20/2024 03:03	WG2208875
Benzo(g,h,i)perylene	ND		0.0416	1	01/20/2024 03:03	WG2208875
Benzo(a)pyrene	0.0519		0.0416	1	01/20/2024 03:03	WG2208875
Bis(2-chloroethoxy)methane	ND		0.416	1	01/20/2024 03:03	WG2208875
Bis(2-chloroethyl)ether	ND		0.416	1	01/20/2024 03:03	WG2208875
2,2-Oxybis(1-Chloropropane)	ND		0.416	1	01/20/2024 03:03	WG2208875
4-Bromophenyl-phenylether	ND		0.416	1	01/20/2024 03:03	WG2208875
2-Chloronaphthalene	ND		0.0416	1	01/20/2024 03:03	WG2208875
4-Chlorophenyl-phenylether	ND		0.416	1	01/20/2024 03:03	WG2208875
Chrysene	0.0458		0.0416	1	01/20/2024 03:03	WG2208875
Dibenz(a,h)anthracene	ND		0.0416	1	01/20/2024 03:03	WG2208875
3,3-Dichlorobenzidine	ND		0.416	1	01/20/2024 03:03	WG2208875
2,4-Dinitrotoluene	ND		0.416	1	01/20/2024 03:03	WG2208875
2,6-Dinitrotoluene	ND		0.416	1	01/20/2024 03:03	WG2208875
Fluoranthene	0.0809		0.0416	1	01/20/2024 03:03	WG2208875
Fluorene	ND		0.0416	1	01/20/2024 03:03	WG2208875
Hexachlorobenzene	ND		0.416	1	01/20/2024 03:03	WG2208875
Hexachloro-1,3-butadiene	ND		0.416	1	01/20/2024 03:03	WG2208875
Hexachlorocyclopentadiene	ND		0.416	1	01/20/2024 03:03	WG2208875
Hexachloroethane	ND		0.416	1	01/20/2024 03:03	WG2208875
Indeno(1,2,3-cd)pyrene	ND		0.0416	1	01/20/2024 03:03	WG2208875
Isophorone	ND		0.416	1	01/20/2024 03:03	WG2208875
Naphthalene	ND		0.0416	1	01/20/2024 03:03	WG2208875
Nitrobenzene	ND		0.416	1	01/20/2024 03:03	WG2208875
n-Nitrosodimethylamine	ND		0.416	1	01/20/2024 03:03	WG2208875
n-Nitrosodiphenylamine	ND		0.416	1	01/20/2024 03:03	WG2208875
n-Nitrosodi-n-propylamine	ND		0.416	1	01/20/2024 03:03	WG2208875
Phenanthrene	ND		0.0416	1	01/20/2024 03:03	WG2208875
Benzylbutyl phthalate	ND		0.416	1	01/20/2024 03:03	WG2208875
Bis(2-ethylhexyl)phthalate	ND		0.416	1	01/20/2024 03:03	WG2208875
Di-n-butyl phthalate	ND		0.416	1	01/20/2024 03:03	WG2208875
Diethyl phthalate	ND		0.416	1	01/20/2024 03:03	WG2208875
Dimethyl phthalate	ND		0.416	1	01/20/2024 03:03	WG2208875
Di-n-octyl phthalate	ND		0.416	1	01/20/2024 03:03	WG2208875
Pyrene	0.108		0.0416	1	01/20/2024 03:03	WG2208875
1,2,4-Trichlorobenzene	ND		0.416	1	01/20/2024 03:03	WG2208875
4-Chloro-3-methylphenol	ND		0.416	1	01/20/2024 03:03	WG2208875
2-Chlorophenol	ND		0.416	1	01/20/2024 03:03	WG2208875
2,4-Dichlorophenol	ND		0.416	1	01/20/2024 03:03	WG2208875
2,4-Dimethylphenol	ND		0.416	1	01/20/2024 03:03	WG2208875
4,6-Dinitro-2-methylphenol	ND		0.416	1	01/20/2024 03:03	WG2208875
2,4-Dinitrophenol	ND		0.416	1	01/20/2024 03:03	WG2208875
2-Nitrophenol	ND		0.416	1	01/20/2024 03:03	WG2208875
4-Nitrophenol	ND		0.416	1	01/20/2024 03:03	WG2208875
Pentachlorophenol	ND		0.416	1	01/20/2024 03:03	WG2208875
Phenol	ND		0.416	1	01/20/2024 03:03	WG2208875
2,4,6-Trichlorophenol	ND		0.416	1	01/20/2024 03:03	WG2208875
(S) 2-Fluorophenol	61.5		12.0-120		01/20/2024 03:03	WG2208875
(S) Phenol-d5	58.3		10.0-120		01/20/2024 03:03	WG2208875
(S) Nitrobenzene-d5	68.6		10.0-122		01/20/2024 03:03	WG2208875
(S) 2-Fluorobiphenyl	63.7		15.0-120		01/20/2024 03:03	WG2208875
(S) 2,4,6-Tribromophenol	68.1		10.0-127		01/20/2024 03:03	WG2208875
(S) p-Terphenyl-d14	72.2		10.0-120		01/20/2024 03:03	WG2208875

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	73.4		1	01/19/2024 08:09	WG2209033

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.36	1	01/24/2024 19:55	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	1.35		0.0545	1	01/21/2024 13:30	WG2209506

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		4.09	5	01/31/2024 13:45	WG2209280
Arsenic	3.11		1.36	5	01/31/2024 13:45	WG2209280
Barium	101		3.40	5	01/31/2024 13:45	WG2209280
Beryllium	ND		3.40	5	01/31/2024 13:45	WG2209280
Cadmium	ND		1.36	5	01/31/2024 13:45	WG2209280
Chromium	34.7		6.81	5	01/31/2024 13:45	WG2209280
Cobalt	11.3		1.36	5	01/31/2024 13:45	WG2209280
Copper	20.4		6.81	5	01/31/2024 13:45	WG2209280
Lead	24.9		2.72	5	01/31/2024 13:45	WG2209280
Manganese	537		17.0	25	01/31/2024 18:52	WG2209280
Nickel	16.0		3.40	5	01/31/2024 13:45	WG2209280
Selenium	ND		3.40	5	01/31/2024 13:45	WG2209280
Silver	3.86		0.681	5	01/31/2024 13:45	WG2209280
Thallium	ND		2.72	5	01/31/2024 13:45	WG2209280
Vanadium	40.5		3.40	5	01/31/2024 13:45	WG2209280
Zinc	44.9		34.0	5	01/31/2024 13:45	WG2209280

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND	C3	0.0875	1	01/18/2024 02:56	WG2208244
Acrylonitrile	ND		0.0219	1	01/18/2024 02:56	WG2208244
Benzene	ND		0.00175	1	01/18/2024 02:56	WG2208244
Bromobenzene	ND		0.0219	1	01/18/2024 02:56	WG2208244
Bromodichloromethane	ND		0.00438	1	01/18/2024 02:56	WG2208244
Bromoform	ND		0.0438	1	01/18/2024 02:56	WG2208244
Bromomethane	ND		0.0219	1	01/18/2024 02:56	WG2208244
n-Butylbenzene	ND		0.0219	1	01/18/2024 02:56	WG2208244
sec-Butylbenzene	ND		0.0219	1	01/18/2024 02:56	WG2208244
tert-Butylbenzene	ND		0.00875	1	01/18/2024 02:56	WG2208244
Carbon tetrachloride	ND		0.00875	1	01/18/2024 02:56	WG2208244
Chlorobenzene	ND		0.00438	1	01/18/2024 02:56	WG2208244
Chlorodibromomethane	ND		0.00438	1	01/18/2024 02:56	WG2208244
Chloroethane	ND		0.00875	1	01/18/2024 02:56	WG2208244
Chloroform	ND		0.00438	1	01/18/2024 02:56	WG2208244
Chloromethane	ND		0.0219	1	01/18/2024 02:56	WG2208244
2-Chlorotoluene	ND		0.00438	1	01/18/2024 02:56	WG2208244
4-Chlorotoluene	ND		0.00875	1	01/18/2024 02:56	WG2208244
1,2-Dibromo-3-Chloropropane	ND	C3	0.0438	1	01/18/2024 02:56	WG2208244

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00438	1	01/18/2024 02:56	WG2208244
Dibromomethane	ND		0.00875	1	01/18/2024 02:56	WG2208244
1,2-Dichlorobenzene	ND		0.00875	1	01/18/2024 02:56	WG2208244
1,3-Dichlorobenzene	ND		0.00875	1	01/18/2024 02:56	WG2208244
1,4-Dichlorobenzene	ND		0.00875	1	01/18/2024 02:56	WG2208244
Dichlorodifluoromethane	ND		0.00875	1	01/18/2024 02:56	WG2208244
1,1-Dichloroethane	ND		0.00438	1	01/18/2024 02:56	WG2208244
1,2-Dichloroethane	ND		0.00438	1	01/18/2024 02:56	WG2208244
1,1-Dichloroethene	ND		0.00438	1	01/18/2024 02:56	WG2208244
cis-1,2-Dichloroethene	ND		0.00438	1	01/18/2024 02:56	WG2208244
trans-1,2-Dichloroethene	ND		0.00875	1	01/18/2024 02:56	WG2208244
1,2-Dichloropropane	ND		0.00875	1	01/18/2024 02:56	WG2208244
1,1-Dichloropropene	ND		0.00438	1	01/18/2024 02:56	WG2208244
1,3-Dichloropropane	ND		0.00875	1	01/18/2024 02:56	WG2208244
cis-1,3-Dichloropropene	ND		0.00438	1	01/18/2024 02:56	WG2208244
trans-1,3-Dichloropropene	ND		0.00875	1	01/18/2024 02:56	WG2208244
2,2-Dichloropropane	ND		0.00438	1	01/18/2024 02:56	WG2208244
Di-isopropyl ether	ND		0.00175	1	01/18/2024 02:56	WG2208244
Ethylbenzene	ND		0.00438	1	01/18/2024 02:56	WG2208244
Hexachloro-1,3-butadiene	ND		0.0438	1	01/18/2024 02:56	WG2208244
Isopropylbenzene	ND		0.00438	1	01/18/2024 02:56	WG2208244
p-Isopropyltoluene	ND		0.00875	1	01/18/2024 02:56	WG2208244
2-Butanone (MEK)	ND		0.175	1	01/18/2024 02:56	WG2208244
Methylene Chloride	ND		0.0438	1	01/18/2024 02:56	WG2208244
4-Methyl-2-pentanone (MIBK)	ND		0.0438	1	01/18/2024 02:56	WG2208244
Methyl tert-butyl ether	ND		0.00175	1	01/18/2024 02:56	WG2208244
Naphthalene	ND	J3	0.0219	1	01/18/2024 02:56	WG2208244
n-Propylbenzene	ND		0.00875	1	01/18/2024 02:56	WG2208244
Styrene	ND		0.0219	1	01/18/2024 02:56	WG2208244
1,1,1,2-Tetrachloroethane	ND		0.00438	1	01/18/2024 02:56	WG2208244
1,1,2,2-Tetrachloroethane	ND		0.00438	1	01/18/2024 02:56	WG2208244
Tetrachloroethene	ND		0.00438	1	01/18/2024 02:56	WG2208244
Toluene	ND		0.00875	1	01/18/2024 02:56	WG2208244
1,2,3-Trichlorobenzene	ND		0.0219	1	01/18/2024 02:56	WG2208244
1,2,4-Trichlorobenzene	ND		0.0219	1	01/18/2024 02:56	WG2208244
1,1,1-Trichloroethane	ND		0.00438	1	01/18/2024 02:56	WG2208244
1,1,2-Trichloroethane	ND		0.00438	1	01/18/2024 02:56	WG2208244
Trichloroethene	ND		0.00175	1	01/18/2024 02:56	WG2208244
Trichlorofluoromethane	ND		0.00438	1	01/18/2024 02:56	WG2208244
1,2,3-Trichloropropane	ND		0.0219	1	01/18/2024 02:56	WG2208244
1,2,4-Trimethylbenzene	ND		0.00875	1	01/18/2024 02:56	WG2208244
1,3,5-Trimethylbenzene	ND		0.00875	1	01/18/2024 02:56	WG2208244
Vinyl chloride	ND		0.00438	1	01/18/2024 02:56	WG2208244
Xylenes, Total	ND		0.0114	1	01/18/2024 02:56	WG2208244
(S) Toluene-d8	102		75.0-131		01/18/2024 02:56	WG2208244
(S) 4-Bromofluorobenzene	100		67.0-138		01/18/2024 02:56	WG2208244
(S) 1,2-Dichloroethane-d4	84.1		70.0-130		01/18/2024 02:56	WG2208244

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0454	1	01/20/2024 03:27	WG2208875
Acenaphthylene	ND		0.0454	1	01/20/2024 03:27	WG2208875
Anthracene	ND		0.0454	1	01/20/2024 03:27	WG2208875
Benzdine	ND	J6	2.27	1	01/20/2024 03:27	WG2208875
Benzo(a)anthracene	0.0547		0.0454	1	01/20/2024 03:27	WG2208875

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0759		0.0454	1	01/20/2024 03:27	WG2208875
Benzo(k)fluoranthene	ND		0.0454	1	01/20/2024 03:27	WG2208875
Benzo(g,h,i)perylene	ND		0.0454	1	01/20/2024 03:27	WG2208875
Benzo(a)pyrene	0.0591		0.0454	1	01/20/2024 03:27	WG2208875
Bis(2-chloroethoxy)methane	ND		0.454	1	01/20/2024 03:27	WG2208875
Bis(2-chloroethyl)ether	ND		0.454	1	01/20/2024 03:27	WG2208875
2,2-Oxybis(1-Chloropropane)	ND	J3 J6	0.454	1	01/20/2024 03:27	WG2208875
4-Bromophenyl-phenylether	ND		0.454	1	01/20/2024 03:27	WG2208875
2-Chloronaphthalene	ND		0.0454	1	01/20/2024 03:27	WG2208875
4-Chlorophenyl-phenylether	ND		0.454	1	01/20/2024 03:27	WG2208875
Chrysene	0.0474		0.0454	1	01/20/2024 03:27	WG2208875
Dibenz(a,h)anthracene	ND		0.0454	1	01/20/2024 03:27	WG2208875
3,3-Dichlorobenzidine	ND	J3	0.454	1	01/20/2024 03:27	WG2208875
2,4-Dinitrotoluene	ND		0.454	1	01/20/2024 03:27	WG2208875
2,6-Dinitrotoluene	ND		0.454	1	01/20/2024 03:27	WG2208875
Fluoranthene	0.109		0.0454	1	01/20/2024 03:27	WG2208875
Fluorene	ND		0.0454	1	01/20/2024 03:27	WG2208875
Hexachlorobenzene	ND		0.454	1	01/20/2024 03:27	WG2208875
Hexachloro-1,3-butadiene	ND		0.454	1	01/20/2024 03:27	WG2208875
Hexachlorocyclopentadiene	ND		0.454	1	01/20/2024 03:27	WG2208875
Hexachloroethane	ND		0.454	1	01/20/2024 03:27	WG2208875
Indeno(1,2,3-cd)pyrene	0.0455		0.0454	1	01/20/2024 03:27	WG2208875
Isophorone	ND		0.454	1	01/20/2024 03:27	WG2208875
Naphthalene	ND		0.0454	1	01/20/2024 03:27	WG2208875
Nitrobenzene	ND		0.454	1	01/20/2024 03:27	WG2208875
n-Nitrosodimethylamine	ND		0.454	1	01/20/2024 03:27	WG2208875
n-Nitrosodiphenylamine	ND		0.454	1	01/20/2024 03:27	WG2208875
n-Nitrosodi-n-propylamine	ND		0.454	1	01/20/2024 03:27	WG2208875
Phenanthrene	0.0459		0.0454	1	01/20/2024 03:27	WG2208875
Benzylbutyl phthalate	ND		0.454	1	01/20/2024 03:27	WG2208875
Bis(2-ethylhexyl)phthalate	ND		0.454	1	01/20/2024 03:27	WG2208875
Di-n-butyl phthalate	ND		0.454	1	01/20/2024 03:27	WG2208875
Diethyl phthalate	ND		0.454	1	01/20/2024 03:27	WG2208875
Dimethyl phthalate	ND		0.454	1	01/20/2024 03:27	WG2208875
Di-n-octyl phthalate	ND		0.454	1	01/20/2024 03:27	WG2208875
Pyrene	0.100		0.0454	1	01/20/2024 03:27	WG2208875
1,2,4-Trichlorobenzene	ND		0.454	1	01/20/2024 03:27	WG2208875
4-Chloro-3-methylphenol	ND		0.454	1	01/20/2024 03:27	WG2208875
2-Chlorophenol	ND		0.454	1	01/20/2024 03:27	WG2208875
2,4-Dichlorophenol	ND		0.454	1	01/20/2024 03:27	WG2208875
2,4-Dimethylphenol	ND		0.454	1	01/20/2024 03:27	WG2208875
4,6-Dinitro-2-methylphenol	ND		0.454	1	01/20/2024 03:27	WG2208875
2,4-Dinitrophenol	ND		0.454	1	01/20/2024 03:27	WG2208875
2-Nitrophenol	ND		0.454	1	01/20/2024 03:27	WG2208875
4-Nitrophenol	ND		0.454	1	01/20/2024 03:27	WG2208875
Pentachlorophenol	ND		0.454	1	01/20/2024 03:27	WG2208875
Phenol	ND		0.454	1	01/20/2024 03:27	WG2208875
2,4,6-Trichlorophenol	ND		0.454	1	01/20/2024 03:27	WG2208875
(S) 2-Fluorophenol	64.4		12.0-120		01/20/2024 03:27	WG2208875
(S) Phenol-d5	60.2		10.0-120		01/20/2024 03:27	WG2208875
(S) Nitrobenzene-d5	66.0		10.0-122		01/20/2024 03:27	WG2208875
(S) 2-Fluorobiphenyl	61.7		15.0-120		01/20/2024 03:27	WG2208875
(S) 2,4,6-Tribromophenol	67.1		10.0-127		01/20/2024 03:27	WG2208875
(S) p-Terphenyl-d14	69.1		10.0-120		01/20/2024 03:27	WG2208875

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	80.2		1	01/19/2024 08:09	WG2209033

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	1.97		1.25	1	01/24/2024 20:07	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	0.0784		0.0499	1	01/21/2024 13:37	WG2209506

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		3.74	5	01/31/2024 13:49	WG2209280
Arsenic	2.12		1.25	5	01/31/2024 13:49	WG2209280
Barium	69.6		3.12	5	01/31/2024 13:49	WG2209280
Beryllium	ND		3.12	5	01/31/2024 13:49	WG2209280
Cadmium	ND		1.25	5	01/31/2024 13:49	WG2209280
Chromium	25.1		6.23	5	01/31/2024 13:49	WG2209280
Cobalt	9.23		1.25	5	01/31/2024 13:49	WG2209280
Copper	34.5		6.23	5	01/31/2024 13:49	WG2209280
Lead	118		2.49	5	01/31/2024 13:49	WG2209280
Manganese	545		15.6	25	01/31/2024 18:56	WG2209280
Nickel	14.2		3.12	5	01/31/2024 13:49	WG2209280
Selenium	ND		3.12	5	01/31/2024 13:49	WG2209280
Silver	0.877		0.623	5	01/31/2024 13:49	WG2209280
Thallium	ND		2.49	5	01/31/2024 13:49	WG2209280
Vanadium	30.1		3.12	5	01/31/2024 13:49	WG2209280
Zinc	64.9		31.2	5	01/31/2024 13:49	WG2209280

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND	C3	0.0766	1	01/18/2024 03:15	WG2208244
Acrylonitrile	ND		0.0192	1	01/18/2024 03:15	WG2208244
Benzene	ND		0.00153	1	01/18/2024 03:15	WG2208244
Bromobenzene	ND		0.0192	1	01/18/2024 03:15	WG2208244
Bromodichloromethane	ND		0.00383	1	01/18/2024 03:15	WG2208244
Bromoform	ND		0.0383	1	01/18/2024 03:15	WG2208244
Bromomethane	ND		0.0192	1	01/18/2024 03:15	WG2208244
n-Butylbenzene	ND		0.0192	1	01/18/2024 03:15	WG2208244
sec-Butylbenzene	ND		0.0192	1	01/18/2024 03:15	WG2208244
tert-Butylbenzene	ND		0.00766	1	01/18/2024 03:15	WG2208244
Carbon tetrachloride	ND		0.00766	1	01/18/2024 03:15	WG2208244
Chlorobenzene	ND		0.00383	1	01/18/2024 03:15	WG2208244
Chlorodibromomethane	ND		0.00383	1	01/18/2024 03:15	WG2208244
Chloroethane	ND		0.00766	1	01/18/2024 03:15	WG2208244
Chloroform	ND		0.00383	1	01/18/2024 03:15	WG2208244
Chloromethane	ND		0.0192	1	01/18/2024 03:15	WG2208244
2-Chlorotoluene	ND		0.00383	1	01/18/2024 03:15	WG2208244
4-Chlorotoluene	ND		0.00766	1	01/18/2024 03:15	WG2208244
1,2-Dibromo-3-Chloropropane	ND	C3	0.0383	1	01/18/2024 03:15	WG2208244

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00383	1	01/18/2024 03:15	WG2208244
Dibromomethane	ND		0.00766	1	01/18/2024 03:15	WG2208244
1,2-Dichlorobenzene	ND		0.00766	1	01/18/2024 03:15	WG2208244
1,3-Dichlorobenzene	ND		0.00766	1	01/18/2024 03:15	WG2208244
1,4-Dichlorobenzene	ND		0.00766	1	01/18/2024 03:15	WG2208244
Dichlorodifluoromethane	ND		0.00766	1	01/18/2024 03:15	WG2208244
1,1-Dichloroethane	ND		0.00383	1	01/18/2024 03:15	WG2208244
1,2-Dichloroethane	ND		0.00383	1	01/18/2024 03:15	WG2208244
1,1-Dichloroethene	ND		0.00383	1	01/18/2024 03:15	WG2208244
cis-1,2-Dichloroethene	ND		0.00383	1	01/18/2024 03:15	WG2208244
trans-1,2-Dichloroethene	ND		0.00766	1	01/18/2024 03:15	WG2208244
1,2-Dichloropropane	ND		0.00766	1	01/18/2024 03:15	WG2208244
1,1-Dichloropropene	ND		0.00383	1	01/18/2024 03:15	WG2208244
1,3-Dichloropropane	ND		0.00766	1	01/18/2024 03:15	WG2208244
cis-1,3-Dichloropropene	ND		0.00383	1	01/18/2024 03:15	WG2208244
trans-1,3-Dichloropropene	ND		0.00766	1	01/18/2024 03:15	WG2208244
2,2-Dichloropropane	ND		0.00383	1	01/18/2024 03:15	WG2208244
Di-isopropyl ether	ND		0.00153	1	01/18/2024 03:15	WG2208244
Ethylbenzene	ND		0.00383	1	01/18/2024 03:15	WG2208244
Hexachloro-1,3-butadiene	ND		0.0383	1	01/18/2024 03:15	WG2208244
Isopropylbenzene	ND		0.00383	1	01/18/2024 03:15	WG2208244
p-Isopropyltoluene	0.0322		0.00766	1	01/18/2024 03:15	WG2208244
2-Butanone (MEK)	ND		0.153	1	01/18/2024 03:15	WG2208244
Methylene Chloride	ND		0.0383	1	01/18/2024 03:15	WG2208244
4-Methyl-2-pentanone (MIBK)	ND		0.0383	1	01/18/2024 03:15	WG2208244
Methyl tert-butyl ether	ND		0.00153	1	01/18/2024 03:15	WG2208244
Naphthalene	ND	J3	0.0192	1	01/18/2024 03:15	WG2208244
n-Propylbenzene	ND		0.00766	1	01/18/2024 03:15	WG2208244
Styrene	ND		0.0192	1	01/18/2024 03:15	WG2208244
1,1,1,2-Tetrachloroethane	ND		0.00383	1	01/18/2024 03:15	WG2208244
1,1,2,2-Tetrachloroethane	ND		0.00383	1	01/18/2024 03:15	WG2208244
Tetrachloroethene	ND		0.00383	1	01/18/2024 03:15	WG2208244
Toluene	ND		0.00766	1	01/18/2024 03:15	WG2208244
1,2,3-Trichlorobenzene	ND		0.0192	1	01/18/2024 03:15	WG2208244
1,2,4-Trichlorobenzene	ND		0.0192	1	01/18/2024 03:15	WG2208244
1,1,1-Trichloroethane	ND		0.00383	1	01/18/2024 03:15	WG2208244
1,1,2-Trichloroethane	ND		0.00383	1	01/18/2024 03:15	WG2208244
Trichloroethene	ND		0.00153	1	01/18/2024 03:15	WG2208244
Trichlorofluoromethane	ND		0.00383	1	01/18/2024 03:15	WG2208244
1,2,3-Trichloropropane	ND		0.0192	1	01/18/2024 03:15	WG2208244
1,2,4-Trimethylbenzene	ND		0.00766	1	01/18/2024 03:15	WG2208244
1,3,5-Trimethylbenzene	ND		0.00766	1	01/18/2024 03:15	WG2208244
Vinyl chloride	ND		0.00383	1	01/18/2024 03:15	WG2208244
Xylenes, Total	ND		0.00996	1	01/18/2024 03:15	WG2208244
(S) Toluene-d8	104		75.0-131		01/18/2024 03:15	WG2208244
(S) 4-Bromofluorobenzene	104		67.0-138		01/18/2024 03:15	WG2208244
(S) 1,2-Dichloroethane-d4	93.9		70.0-130		01/18/2024 03:15	WG2208244

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0415	1	01/20/2024 05:27	WG2208875
Acenaphthylene	ND		0.0415	1	01/20/2024 05:27	WG2208875
Anthracene	0.0480		0.0415	1	01/20/2024 05:27	WG2208875
Benzidine	ND		2.08	1	01/20/2024 05:27	WG2208875
Benzo(a)anthracene	0.217		0.0415	1	01/20/2024 05:27	WG2208875

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.357		0.0415	1	01/20/2024 05:27	WG2208875
Benzo(k)fluoranthene	0.105		0.0415	1	01/20/2024 05:27	WG2208875
Benzo(g,h,i)perylene	0.180		0.0415	1	01/20/2024 05:27	WG2208875
Benzo(a)pyrene	0.237		0.0415	1	01/20/2024 05:27	WG2208875
Bis(2-chloroethoxy)methane	ND		0.415	1	01/20/2024 05:27	WG2208875
Bis(2-chloroethyl)ether	ND		0.415	1	01/20/2024 05:27	WG2208875
2,2-Oxybis(1-Chloropropane)	ND		0.415	1	01/20/2024 05:27	WG2208875
4-Bromophenyl-phenylether	ND		0.415	1	01/20/2024 05:27	WG2208875
2-Chloronaphthalene	ND		0.0415	1	01/20/2024 05:27	WG2208875
4-Chlorophenyl-phenylether	ND		0.415	1	01/20/2024 05:27	WG2208875
Chrysene	0.207		0.0415	1	01/20/2024 05:27	WG2208875
Dibenz(a,h)anthracene	ND		0.0415	1	01/20/2024 05:27	WG2208875
3,3-Dichlorobenzidine	ND		0.415	1	01/20/2024 05:27	WG2208875
2,4-Dinitrotoluene	ND		0.415	1	01/20/2024 05:27	WG2208875
2,6-Dinitrotoluene	ND		0.415	1	01/20/2024 05:27	WG2208875
Fluoranthene	0.475		0.0415	1	01/20/2024 05:27	WG2208875
Fluorene	ND		0.0415	1	01/20/2024 05:27	WG2208875
Hexachlorobenzene	ND		0.415	1	01/20/2024 05:27	WG2208875
Hexachloro-1,3-butadiene	ND		0.415	1	01/20/2024 05:27	WG2208875
Hexachlorocyclopentadiene	ND		0.415	1	01/20/2024 05:27	WG2208875
Hexachloroethane	ND		0.415	1	01/20/2024 05:27	WG2208875
Indeno(1,2,3-cd)pyrene	0.189		0.0415	1	01/20/2024 05:27	WG2208875
Isophorone	ND		0.415	1	01/20/2024 05:27	WG2208875
Naphthalene	ND		0.0415	1	01/20/2024 05:27	WG2208875
Nitrobenzene	ND		0.415	1	01/20/2024 05:27	WG2208875
n-Nitrosodimethylamine	ND		0.415	1	01/20/2024 05:27	WG2208875
n-Nitrosodiphenylamine	ND		0.415	1	01/20/2024 05:27	WG2208875
n-Nitrosodi-n-propylamine	ND		0.415	1	01/20/2024 05:27	WG2208875
Phenanthrene	0.224		0.0415	1	01/20/2024 05:27	WG2208875
Benzylbutyl phthalate	ND		0.415	1	01/20/2024 05:27	WG2208875
Bis(2-ethylhexyl)phthalate	ND		0.415	1	01/20/2024 05:27	WG2208875
Di-n-butyl phthalate	ND		0.415	1	01/20/2024 05:27	WG2208875
Diethyl phthalate	ND		0.415	1	01/20/2024 05:27	WG2208875
Dimethyl phthalate	ND		0.415	1	01/20/2024 05:27	WG2208875
Di-n-octyl phthalate	ND		0.415	1	01/20/2024 05:27	WG2208875
Pyrene	0.444		0.0415	1	01/20/2024 05:27	WG2208875
1,2,4-Trichlorobenzene	ND		0.415	1	01/20/2024 05:27	WG2208875
4-Chloro-3-methylphenol	ND		0.415	1	01/20/2024 05:27	WG2208875
2-Chlorophenol	ND		0.415	1	01/20/2024 05:27	WG2208875
2,4-Dichlorophenol	ND		0.415	1	01/20/2024 05:27	WG2208875
2,4-Dimethylphenol	ND		0.415	1	01/20/2024 05:27	WG2208875
4,6-Dinitro-2-methylphenol	ND		0.415	1	01/20/2024 05:27	WG2208875
2,4-Dinitrophenol	ND		0.415	1	01/20/2024 05:27	WG2208875
2-Nitrophenol	ND		0.415	1	01/20/2024 05:27	WG2208875
4-Nitrophenol	ND		0.415	1	01/20/2024 05:27	WG2208875
Pentachlorophenol	ND		0.415	1	01/20/2024 05:27	WG2208875
Phenol	ND		0.415	1	01/20/2024 05:27	WG2208875
2,4,6-Trichlorophenol	ND		0.415	1	01/20/2024 05:27	WG2208875
(S) 2-Fluorophenol	54.3		12.0-120		01/20/2024 05:27	WG2208875
(S) Phenol-d5	53.3		10.0-120		01/20/2024 05:27	WG2208875
(S) Nitrobenzene-d5	60.9		10.0-122		01/20/2024 05:27	WG2208875
(S) 2-Fluorobiphenyl	58.4		15.0-120		01/20/2024 05:27	WG2208875
(S) 2,4,6-Tribromophenol	64.6		10.0-127		01/20/2024 05:27	WG2208875
(S) p-Terphenyl-d14	68.9		10.0-120		01/20/2024 05:27	WG2208875

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	75.0		1	01/19/2024 08:09	WG2209033

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.33	1	01/24/2024 20:13	WG2209352

Mercury by Method 7471B

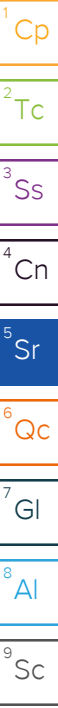
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	0.0539		0.0533	1	01/21/2024 11:56	WG2209687

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		4.00	5	01/31/2024 13:52	WG2209280
Arsenic	2.69		1.33	5	01/31/2024 13:52	WG2209280
Barium	136		3.33	5	01/31/2024 13:52	WG2209280
Beryllium	ND		3.33	5	01/31/2024 13:52	WG2209280
Cadmium	ND		1.33	5	01/31/2024 13:52	WG2209280
Chromium	18.7		6.67	5	01/31/2024 13:52	WG2209280
Cobalt	10.4		1.33	5	01/31/2024 13:52	WG2209280
Copper	10.2		6.67	5	01/31/2024 13:52	WG2209280
Lead	32.7		2.67	5	01/31/2024 13:52	WG2209280
Manganese	899		33.3	50	01/31/2024 19:06	WG2209280
Nickel	16.0		3.33	5	01/31/2024 13:52	WG2209280
Selenium	ND		3.33	5	01/31/2024 13:52	WG2209280
Silver	ND		0.667	5	01/31/2024 13:52	WG2209280
Thallium	ND		2.67	5	01/31/2024 13:52	WG2209280
Vanadium	27.9		3.33	5	01/31/2024 13:52	WG2209280
Zinc	66.6		33.3	5	01/31/2024 13:52	WG2209280

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND	C3	0.123	1.59	01/18/2024 03:34	WG2208244
Acrylonitrile	ND		0.0307	1.59	01/18/2024 03:34	WG2208244
Benzene	ND		0.00245	1.59	01/18/2024 03:34	WG2208244
Bromobenzene	ND		0.0307	1.59	01/18/2024 03:34	WG2208244
Bromodichloromethane	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
Bromoform	ND		0.0614	1.59	01/18/2024 03:34	WG2208244
Bromomethane	ND		0.0307	1.59	01/18/2024 03:34	WG2208244
n-Butylbenzene	ND		0.0307	1.59	01/18/2024 03:34	WG2208244
sec-Butylbenzene	ND		0.0307	1.59	01/18/2024 03:34	WG2208244
tert-Butylbenzene	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
Carbon tetrachloride	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
Chlorobenzene	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
Chlorodibromomethane	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
Chloroethane	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
Chloroform	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
Chloromethane	ND		0.0307	1.59	01/18/2024 03:34	WG2208244
2-Chlorotoluene	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
4-Chlorotoluene	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
1,2-Dibromo-3-Chloropropane	ND	C3	0.0614	1.59	01/18/2024 03:34	WG2208244



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
Dibromomethane	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
1,2-Dichlorobenzene	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
1,3-Dichlorobenzene	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
1,4-Dichlorobenzene	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
Dichlorodifluoromethane	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
1,1-Dichloroethane	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
1,2-Dichloroethane	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
1,1-Dichloroethene	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
cis-1,2-Dichloroethene	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
trans-1,2-Dichloroethene	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
1,2-Dichloropropane	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
1,1-Dichloropropene	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
1,3-Dichloropropane	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
cis-1,3-Dichloropropene	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
trans-1,3-Dichloropropene	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
2,2-Dichloropropane	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
Di-isopropyl ether	ND		0.00245	1.59	01/18/2024 03:34	WG2208244
Ethylbenzene	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
Hexachloro-1,3-butadiene	ND		0.0614	1.59	01/18/2024 03:34	WG2208244
Isopropylbenzene	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
p-Isopropyltoluene	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
2-Butanone (MEK)	ND		0.245	1.59	01/18/2024 03:34	WG2208244
Methylene Chloride	ND		0.0614	1.59	01/18/2024 03:34	WG2208244
4-Methyl-2-pentanone (MIBK)	ND		0.0614	1.59	01/18/2024 03:34	WG2208244
Methyl tert-butyl ether	ND		0.00245	1.59	01/18/2024 03:34	WG2208244
Naphthalene	ND	J3	0.0307	1.59	01/18/2024 03:34	WG2208244
n-Propylbenzene	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
Styrene	ND		0.0307	1.59	01/18/2024 03:34	WG2208244
1,1,1,2-Tetrachloroethane	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
1,1,2,2-Tetrachloroethane	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
Tetrachloroethene	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
Toluene	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
1,2,3-Trichlorobenzene	ND		0.0307	1.59	01/18/2024 03:34	WG2208244
1,2,4-Trichlorobenzene	ND		0.0307	1.59	01/18/2024 03:34	WG2208244
1,1,1-Trichloroethane	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
1,1,2-Trichloroethane	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
Trichloroethene	ND		0.00245	1.59	01/18/2024 03:34	WG2208244
Trichlorofluoromethane	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
1,2,3-Trichloropropane	ND		0.0307	1.59	01/18/2024 03:34	WG2208244
1,2,4-Trimethylbenzene	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
1,3,5-Trimethylbenzene	ND		0.0123	1.59	01/18/2024 03:34	WG2208244
Vinyl chloride	ND		0.00614	1.59	01/18/2024 03:34	WG2208244
Xylenes, Total	ND		0.0159	1.59	01/18/2024 03:34	WG2208244
(S) Toluene-d8	103		75.0-131		01/18/2024 03:34	WG2208244
(S) 4-Bromofluorobenzene	97.3		67.0-138		01/18/2024 03:34	WG2208244
(S) 1,2-Dichloroethane-d4	88.9		70.0-130		01/18/2024 03:34	WG2208244

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0444	1	01/20/2024 00:39	WG2208875
Acenaphthylene	ND		0.0444	1	01/20/2024 00:39	WG2208875
Anthracene	ND		0.0444	1	01/20/2024 00:39	WG2208875
Benzidine	ND		2.23	1	01/20/2024 00:39	WG2208875
Benzo(a)anthracene	ND		0.0444	1	01/20/2024 00:39	WG2208875

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0444	1	01/20/2024 00:39	WG2208875
Benzo(k)fluoranthene	ND		0.0444	1	01/20/2024 00:39	WG2208875
Benzo(g,h,i)perylene	ND		0.0444	1	01/20/2024 00:39	WG2208875
Benzo(a)pyrene	ND		0.0444	1	01/20/2024 00:39	WG2208875
Bis(2-chloroethoxy)methane	ND		0.444	1	01/20/2024 00:39	WG2208875
Bis(2-chloroethyl)ether	ND		0.444	1	01/20/2024 00:39	WG2208875
2,2-Oxybis(1-Chloropropane)	ND		0.444	1	01/20/2024 00:39	WG2208875
4-Bromophenyl-phenylether	ND		0.444	1	01/20/2024 00:39	WG2208875
2-Chloronaphthalene	ND		0.0444	1	01/20/2024 00:39	WG2208875
4-Chlorophenyl-phenylether	ND		0.444	1	01/20/2024 00:39	WG2208875
Chrysene	ND		0.0444	1	01/20/2024 00:39	WG2208875
Dibenz(a,h)anthracene	ND		0.0444	1	01/20/2024 00:39	WG2208875
3,3-Dichlorobenzidine	ND		0.444	1	01/20/2024 00:39	WG2208875
2,4-Dinitrotoluene	ND		0.444	1	01/20/2024 00:39	WG2208875
2,6-Dinitrotoluene	ND		0.444	1	01/20/2024 00:39	WG2208875
Fluoranthene	ND		0.0444	1	01/20/2024 00:39	WG2208875
Fluorene	ND		0.0444	1	01/20/2024 00:39	WG2208875
Hexachlorobenzene	ND		0.444	1	01/20/2024 00:39	WG2208875
Hexachloro-1,3-butadiene	ND		0.444	1	01/20/2024 00:39	WG2208875
Hexachlorocyclopentadiene	ND		0.444	1	01/20/2024 00:39	WG2208875
Hexachloroethane	ND		0.444	1	01/20/2024 00:39	WG2208875
Indeno(1,2,3-cd)pyrene	ND		0.0444	1	01/20/2024 00:39	WG2208875
Isophorone	ND		0.444	1	01/20/2024 00:39	WG2208875
Naphthalene	ND		0.0444	1	01/20/2024 00:39	WG2208875
Nitrobenzene	ND		0.444	1	01/20/2024 00:39	WG2208875
n-Nitrosodimethylamine	ND		0.444	1	01/20/2024 00:39	WG2208875
n-Nitrosodiphenylamine	ND		0.444	1	01/20/2024 00:39	WG2208875
n-Nitrosodi-n-propylamine	ND		0.444	1	01/20/2024 00:39	WG2208875
Phenanthrene	ND		0.0444	1	01/20/2024 00:39	WG2208875
Benzylbutyl phthalate	ND		0.444	1	01/20/2024 00:39	WG2208875
Bis(2-ethylhexyl)phthalate	ND		0.444	1	01/20/2024 00:39	WG2208875
Di-n-butyl phthalate	ND		0.444	1	01/20/2024 00:39	WG2208875
Diethyl phthalate	ND		0.444	1	01/20/2024 00:39	WG2208875
Dimethyl phthalate	ND		0.444	1	01/20/2024 00:39	WG2208875
Di-n-octyl phthalate	ND		0.444	1	01/20/2024 00:39	WG2208875
Pyrene	ND		0.0444	1	01/20/2024 00:39	WG2208875
1,2,4-Trichlorobenzene	ND		0.444	1	01/20/2024 00:39	WG2208875
4-Chloro-3-methylphenol	ND		0.444	1	01/20/2024 00:39	WG2208875
2-Chlorophenol	ND		0.444	1	01/20/2024 00:39	WG2208875
2,4-Dichlorophenol	ND		0.444	1	01/20/2024 00:39	WG2208875
2,4-Dimethylphenol	ND		0.444	1	01/20/2024 00:39	WG2208875
4,6-Dinitro-2-methylphenol	ND		0.444	1	01/20/2024 00:39	WG2208875
2,4-Dinitrophenol	ND		0.444	1	01/20/2024 00:39	WG2208875
2-Nitrophenol	ND		0.444	1	01/20/2024 00:39	WG2208875
4-Nitrophenol	ND		0.444	1	01/20/2024 00:39	WG2208875
Pentachlorophenol	ND		0.444	1	01/20/2024 00:39	WG2208875
Phenol	ND		0.444	1	01/20/2024 00:39	WG2208875
2,4,6-Trichlorophenol	ND		0.444	1	01/20/2024 00:39	WG2208875
(S) 2-Fluorophenol	60.4		12.0-120		01/20/2024 00:39	WG2208875
(S) Phenol-d5	56.1		10.0-120		01/20/2024 00:39	WG2208875
(S) Nitrobenzene-d5	64.8		10.0-122		01/20/2024 00:39	WG2208875
(S) 2-Fluorobiphenyl	59.7		15.0-120		01/20/2024 00:39	WG2208875
(S) 2,4,6-Tribromophenol	63.2		10.0-127		01/20/2024 00:39	WG2208875
(S) p-Terphenyl-d14	67.3		10.0-120		01/20/2024 00:39	WG2208875

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.9		1	01/19/2024 08:09	WG2209033

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.32	1	01/24/2024 20:19	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0527	1	01/21/2024 13:39	WG2209506

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.95	5	01/31/2024 13:55	WG2209280
Arsenic	1.82		1.32	5	01/31/2024 13:55	WG2209280
Barium	75.7		3.29	5	01/31/2024 13:55	WG2209280
Beryllium	ND		3.29	5	01/31/2024 13:55	WG2209280
Cadmium	ND		1.32	5	01/31/2024 13:55	WG2209280
Chromium	11.9		6.59	5	01/31/2024 13:55	WG2209280
Cobalt	7.96		1.32	5	01/31/2024 13:55	WG2209280
Copper	12.1		6.59	5	01/31/2024 13:55	WG2209280
Lead	15.5		2.64	5	01/31/2024 13:55	WG2209280
Manganese	707		16.5	25	01/31/2024 19:09	WG2209280
Nickel	8.85		3.29	5	01/31/2024 13:55	WG2209280
Selenium	ND		3.29	5	01/31/2024 13:55	WG2209280
Silver	ND		0.659	5	01/31/2024 13:55	WG2209280
Thallium	ND		2.64	5	01/31/2024 13:55	WG2209280
Vanadium	27.6		3.29	5	01/31/2024 13:55	WG2209280
Zinc	45.0		32.9	5	01/31/2024 13:55	WG2209280

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0909	1.14	01/18/2024 03:53	WG2208244
Acrylonitrile	ND		0.0228	1.14	01/18/2024 03:53	WG2208244
Benzene	ND		0.00182	1.14	01/18/2024 03:53	WG2208244
Bromobenzene	ND		0.0228	1.14	01/18/2024 03:53	WG2208244
Bromodichloromethane	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
Bromoform	ND		0.0455	1.14	01/18/2024 03:53	WG2208244
Bromomethane	ND		0.0228	1.14	01/18/2024 03:53	WG2208244
n-Butylbenzene	ND		0.0228	1.14	01/18/2024 03:53	WG2208244
sec-Butylbenzene	ND		0.0228	1.14	01/18/2024 03:53	WG2208244
tert-Butylbenzene	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
Carbon tetrachloride	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
Chlorobenzene	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
Chlorodibromomethane	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
Chloroethane	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
Chloroform	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
Chloromethane	ND		0.0228	1.14	01/18/2024 03:53	WG2208244
2-Chlorotoluene	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
4-Chlorotoluene	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
1,2-Dibromo-3-Chloropropane	ND	C3	0.0455	1.14	01/18/2024 03:53	WG2208244

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
Dibromomethane	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
1,2-Dichlorobenzene	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
1,3-Dichlorobenzene	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
1,4-Dichlorobenzene	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
Dichlorodifluoromethane	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
1,1-Dichloroethane	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
1,2-Dichloroethane	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
1,1-Dichloroethene	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
cis-1,2-Dichloroethene	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
trans-1,2-Dichloroethene	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
1,2-Dichloropropane	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
1,1-Dichloropropene	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
1,3-Dichloropropane	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
cis-1,3-Dichloropropene	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
trans-1,3-Dichloropropene	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
2,2-Dichloropropane	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
Di-isopropyl ether	ND		0.00182	1.14	01/18/2024 03:53	WG2208244
Ethylbenzene	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
Hexachloro-1,3-butadiene	ND		0.0455	1.14	01/18/2024 03:53	WG2208244
Isopropylbenzene	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
p-Isopropyltoluene	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
2-Butanone (MEK)	ND		0.182	1.14	01/18/2024 03:53	WG2208244
Methylene Chloride	ND		0.0455	1.14	01/18/2024 03:53	WG2208244
4-Methyl-2-pentanone (MIBK)	ND		0.0455	1.14	01/18/2024 03:53	WG2208244
Methyl tert-butyl ether	ND		0.00182	1.14	01/18/2024 03:53	WG2208244
Naphthalene	ND	J3	0.0228	1.14	01/18/2024 03:53	WG2208244
n-Propylbenzene	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
Styrene	ND		0.0228	1.14	01/18/2024 03:53	WG2208244
1,1,1,2-Tetrachloroethane	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
1,1,2,2-Tetrachloroethane	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
Tetrachloroethene	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
Toluene	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
1,2,3-Trichlorobenzene	ND		0.0228	1.14	01/18/2024 03:53	WG2208244
1,2,4-Trichlorobenzene	ND		0.0228	1.14	01/18/2024 03:53	WG2208244
1,1,1-Trichloroethane	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
1,1,2-Trichloroethane	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
Trichloroethene	ND		0.00182	1.14	01/18/2024 03:53	WG2208244
Trichlorofluoromethane	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
1,2,3-Trichloropropane	ND		0.0228	1.14	01/18/2024 03:53	WG2208244
1,2,4-Trimethylbenzene	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
1,3,5-Trimethylbenzene	ND		0.00909	1.14	01/18/2024 03:53	WG2208244
Vinyl chloride	ND		0.00455	1.14	01/18/2024 03:53	WG2208244
Xylenes, Total	ND		0.0118	1.14	01/18/2024 03:53	WG2208244
(S) Toluene-d8	98.9		75.0-131		01/18/2024 03:53	WG2208244
(S) 4-Bromofluorobenzene	106		67.0-138		01/18/2024 03:53	WG2208244
(S) 1,2-Dichloroethane-d4	92.9		70.0-130		01/18/2024 03:53	WG2208244

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0439	1	01/20/2024 01:03	WG2208875
Acenaphthylene	ND		0.0439	1	01/20/2024 01:03	WG2208875
Anthracene	ND		0.0439	1	01/20/2024 01:03	WG2208875
Benzidine	ND		2.20	1	01/20/2024 01:03	WG2208875
Benzo(a)anthracene	ND		0.0439	1	01/20/2024 01:03	WG2208875

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	ND		0.0439	1	01/20/2024 01:03	WG2208875
Benzo(k)fluoranthene	ND		0.0439	1	01/20/2024 01:03	WG2208875
Benzo(g,h,i)perylene	ND		0.0439	1	01/20/2024 01:03	WG2208875
Benzo(a)pyrene	ND		0.0439	1	01/20/2024 01:03	WG2208875
Bis(2-chloroethoxy)methane	ND		0.439	1	01/20/2024 01:03	WG2208875
Bis(2-chloroethyl)ether	ND		0.439	1	01/20/2024 01:03	WG2208875
2,2-Oxybis(1-Chloropropane)	ND		0.439	1	01/20/2024 01:03	WG2208875
4-Bromophenyl-phenylether	ND		0.439	1	01/20/2024 01:03	WG2208875
2-Chloronaphthalene	ND		0.0439	1	01/20/2024 01:03	WG2208875
4-Chlorophenyl-phenylether	ND		0.439	1	01/20/2024 01:03	WG2208875
Chrysene	ND		0.0439	1	01/20/2024 01:03	WG2208875
Dibenz(a,h)anthracene	ND		0.0439	1	01/20/2024 01:03	WG2208875
3,3-Dichlorobenzidine	ND		0.439	1	01/20/2024 01:03	WG2208875
2,4-Dinitrotoluene	ND		0.439	1	01/20/2024 01:03	WG2208875
2,6-Dinitrotoluene	ND		0.439	1	01/20/2024 01:03	WG2208875
Fluoranthene	ND		0.0439	1	01/20/2024 01:03	WG2208875
Fluorene	ND		0.0439	1	01/20/2024 01:03	WG2208875
Hexachlorobenzene	ND		0.439	1	01/20/2024 01:03	WG2208875
Hexachloro-1,3-butadiene	ND		0.439	1	01/20/2024 01:03	WG2208875
Hexachlorocyclopentadiene	ND		0.439	1	01/20/2024 01:03	WG2208875
Hexachloroethane	ND		0.439	1	01/20/2024 01:03	WG2208875
Indeno(1,2,3-cd)pyrene	ND		0.0439	1	01/20/2024 01:03	WG2208875
Isophorone	ND		0.439	1	01/20/2024 01:03	WG2208875
Naphthalene	ND		0.0439	1	01/20/2024 01:03	WG2208875
Nitrobenzene	ND		0.439	1	01/20/2024 01:03	WG2208875
n-Nitrosodimethylamine	ND		0.439	1	01/20/2024 01:03	WG2208875
n-Nitrosodiphenylamine	ND		0.439	1	01/20/2024 01:03	WG2208875
n-Nitrosodi-n-propylamine	ND		0.439	1	01/20/2024 01:03	WG2208875
Phenanthrene	ND		0.0439	1	01/20/2024 01:03	WG2208875
Benzylbutyl phthalate	ND		0.439	1	01/20/2024 01:03	WG2208875
Bis(2-ethylhexyl)phthalate	ND		0.439	1	01/20/2024 01:03	WG2208875
Di-n-butyl phthalate	ND		0.439	1	01/20/2024 01:03	WG2208875
Diethyl phthalate	ND		0.439	1	01/20/2024 01:03	WG2208875
Dimethyl phthalate	ND		0.439	1	01/20/2024 01:03	WG2208875
Di-n-octyl phthalate	ND		0.439	1	01/20/2024 01:03	WG2208875
Pyrene	ND		0.0439	1	01/20/2024 01:03	WG2208875
1,2,4-Trichlorobenzene	ND		0.439	1	01/20/2024 01:03	WG2208875
4-Chloro-3-methylphenol	ND		0.439	1	01/20/2024 01:03	WG2208875
2-Chlorophenol	ND		0.439	1	01/20/2024 01:03	WG2208875
2,4-Dichlorophenol	ND		0.439	1	01/20/2024 01:03	WG2208875
2,4-Dimethylphenol	ND		0.439	1	01/20/2024 01:03	WG2208875
4,6-Dinitro-2-methylphenol	ND		0.439	1	01/20/2024 01:03	WG2208875
2,4-Dinitrophenol	ND		0.439	1	01/20/2024 01:03	WG2208875
2-Nitrophenol	ND		0.439	1	01/20/2024 01:03	WG2208875
4-Nitrophenol	ND		0.439	1	01/20/2024 01:03	WG2208875
Pentachlorophenol	ND		0.439	1	01/20/2024 01:03	WG2208875
Phenol	ND		0.439	1	01/20/2024 01:03	WG2208875
2,4,6-Trichlorophenol	ND		0.439	1	01/20/2024 01:03	WG2208875
(S) 2-Fluorophenol	63.8		12.0-120		01/20/2024 01:03	WG2208875
(S) Phenol-d5	60.1		10.0-120		01/20/2024 01:03	WG2208875
(S) Nitrobenzene-d5	72.1		10.0-122		01/20/2024 01:03	WG2208875
(S) 2-Fluorobiphenyl	67.5		15.0-120		01/20/2024 01:03	WG2208875
(S) 2,4,6-Tribromophenol	69.3		10.0-127		01/20/2024 01:03	WG2208875
(S) p-Terphenyl-d14	72.1		10.0-120		01/20/2024 01:03	WG2208875

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	70.5		1	01/19/2024 08:09	WG2209033

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.42	1	01/24/2024 20:38	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0901		0.0567	1	01/21/2024 13:42	WG2209506

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.25	5	01/31/2024 13:58	WG2209280
Arsenic	3.28		1.42	5	01/31/2024 13:58	WG2209280
Barium	119		3.55	5	01/31/2024 13:58	WG2209280
Beryllium	ND		3.55	5	01/31/2024 13:58	WG2209280
Cadmium	ND		1.42	5	01/31/2024 13:58	WG2209280
Chromium	34.1		7.09	5	01/31/2024 13:58	WG2209280
Cobalt	11.2		1.42	5	01/31/2024 13:58	WG2209280
Copper	17.7		7.09	5	01/31/2024 13:58	WG2209280
Lead	27.1		2.84	5	01/31/2024 13:58	WG2209280
Manganese	663		17.7	25	01/31/2024 19:12	WG2209280
Nickel	18.6		3.55	5	01/31/2024 13:58	WG2209280
Selenium	ND		3.55	5	01/31/2024 13:58	WG2209280
Silver	ND		0.709	5	01/31/2024 13:58	WG2209280
Thallium	ND		2.84	5	01/31/2024 13:58	WG2209280
Vanadium	43.9		3.55	5	01/31/2024 13:58	WG2209280
Zinc	42.9		35.5	5	01/31/2024 13:58	WG2209280

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3	0.0940	1	01/18/2024 04:12	WG2208244
Acrylonitrile	ND		0.0235	1	01/18/2024 04:12	WG2208244
Benzene	ND		0.00188	1	01/18/2024 04:12	WG2208244
Bromobenzene	ND		0.0235	1	01/18/2024 04:12	WG2208244
Bromodichloromethane	ND		0.00470	1	01/18/2024 04:12	WG2208244
Bromoform	ND		0.0470	1	01/18/2024 04:12	WG2208244
Bromomethane	ND		0.0235	1	01/18/2024 04:12	WG2208244
n-Butylbenzene	ND		0.0235	1	01/18/2024 04:12	WG2208244
sec-Butylbenzene	ND		0.0235	1	01/18/2024 04:12	WG2208244
tert-Butylbenzene	ND		0.00940	1	01/18/2024 04:12	WG2208244
Carbon tetrachloride	ND		0.00940	1	01/18/2024 04:12	WG2208244
Chlorobenzene	ND		0.00470	1	01/18/2024 04:12	WG2208244
Chlorodibromomethane	ND		0.00470	1	01/18/2024 04:12	WG2208244
Chloroethane	ND		0.00940	1	01/18/2024 04:12	WG2208244
Chloroform	ND		0.00470	1	01/18/2024 04:12	WG2208244
Chloromethane	ND		0.0235	1	01/18/2024 04:12	WG2208244
2-Chlorotoluene	ND		0.00470	1	01/18/2024 04:12	WG2208244
4-Chlorotoluene	ND		0.00940	1	01/18/2024 04:12	WG2208244
1,2-Dibromo-3-Chloropropane	ND	C3	0.0470	1	01/18/2024 04:12	WG2208244

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00470	1	01/18/2024 04:12	WG2208244
Dibromomethane	ND		0.00940	1	01/18/2024 04:12	WG2208244
1,2-Dichlorobenzene	ND		0.00940	1	01/18/2024 04:12	WG2208244
1,3-Dichlorobenzene	ND		0.00940	1	01/18/2024 04:12	WG2208244
1,4-Dichlorobenzene	ND		0.00940	1	01/18/2024 04:12	WG2208244
Dichlorodifluoromethane	ND		0.00940	1	01/18/2024 04:12	WG2208244
1,1-Dichloroethane	ND		0.00470	1	01/18/2024 04:12	WG2208244
1,2-Dichloroethane	ND		0.00470	1	01/18/2024 04:12	WG2208244
1,1-Dichloroethene	ND		0.00470	1	01/18/2024 04:12	WG2208244
cis-1,2-Dichloroethene	ND		0.00470	1	01/18/2024 04:12	WG2208244
trans-1,2-Dichloroethene	ND		0.00940	1	01/18/2024 04:12	WG2208244
1,2-Dichloropropane	ND		0.00940	1	01/18/2024 04:12	WG2208244
1,1-Dichloropropene	ND		0.00470	1	01/18/2024 04:12	WG2208244
1,3-Dichloropropane	ND		0.00940	1	01/18/2024 04:12	WG2208244
cis-1,3-Dichloropropene	ND		0.00470	1	01/18/2024 04:12	WG2208244
trans-1,3-Dichloropropene	ND		0.00940	1	01/18/2024 04:12	WG2208244
2,2-Dichloropropane	ND		0.00470	1	01/18/2024 04:12	WG2208244
Di-isopropyl ether	ND		0.00188	1	01/18/2024 04:12	WG2208244
Ethylbenzene	ND		0.00470	1	01/18/2024 04:12	WG2208244
Hexachloro-1,3-butadiene	ND		0.0470	1	01/18/2024 04:12	WG2208244
Isopropylbenzene	ND		0.00470	1	01/18/2024 04:12	WG2208244
p-Isopropyltoluene	ND		0.00940	1	01/18/2024 04:12	WG2208244
2-Butanone (MEK)	ND		0.188	1	01/18/2024 04:12	WG2208244
Methylene Chloride	ND		0.0470	1	01/18/2024 04:12	WG2208244
4-Methyl-2-pentanone (MIBK)	ND		0.0470	1	01/18/2024 04:12	WG2208244
Methyl tert-butyl ether	ND		0.00188	1	01/18/2024 04:12	WG2208244
Naphthalene	ND	J3	0.0235	1	01/18/2024 04:12	WG2208244
n-Propylbenzene	ND		0.00940	1	01/18/2024 04:12	WG2208244
Styrene	ND		0.0235	1	01/18/2024 04:12	WG2208244
1,1,1,2-Tetrachloroethane	ND		0.00470	1	01/18/2024 04:12	WG2208244
1,1,2,2-Tetrachloroethane	ND		0.00470	1	01/18/2024 04:12	WG2208244
Tetrachloroethene	ND		0.00470	1	01/18/2024 04:12	WG2208244
Toluene	ND		0.00940	1	01/18/2024 04:12	WG2208244
1,2,3-Trichlorobenzene	ND		0.0235	1	01/18/2024 04:12	WG2208244
1,2,4-Trichlorobenzene	ND		0.0235	1	01/18/2024 04:12	WG2208244
1,1,1-Trichloroethane	ND		0.00470	1	01/18/2024 04:12	WG2208244
1,1,2-Trichloroethane	ND		0.00470	1	01/18/2024 04:12	WG2208244
Trichloroethene	ND		0.00188	1	01/18/2024 04:12	WG2208244
Trichlorofluoromethane	ND		0.00470	1	01/18/2024 04:12	WG2208244
1,2,3-Trichloropropane	ND		0.0235	1	01/18/2024 04:12	WG2208244
1,2,4-Trimethylbenzene	ND		0.00940	1	01/18/2024 04:12	WG2208244
1,3,5-Trimethylbenzene	ND		0.00940	1	01/18/2024 04:12	WG2208244
Vinyl chloride	ND		0.00470	1	01/18/2024 04:12	WG2208244
Xylenes, Total	ND		0.0122	1	01/18/2024 04:12	WG2208244
(S) Toluene-d8	101		75.0-131		01/18/2024 04:12	WG2208244
(S) 4-Bromofluorobenzene	102		67.0-138		01/18/2024 04:12	WG2208244
(S) 1,2-Dichloroethane-d4	90.1		70.0-130		01/18/2024 04:12	WG2208244

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0472	1	01/20/2024 01:28	WG2208875
Acenaphthylene	ND		0.0472	1	01/20/2024 01:28	WG2208875
Anthracene	ND		0.0472	1	01/20/2024 01:28	WG2208875
Benzidine	ND		2.37	1	01/20/2024 01:28	WG2208875
Benzo(a)anthracene	ND		0.0472	1	01/20/2024 01:28	WG2208875

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0650		0.0472	1	01/20/2024 01:28	WG2208875
Benzo(k)fluoranthene	ND		0.0472	1	01/20/2024 01:28	WG2208875
Benzo(g,h,i)perylene	ND		0.0472	1	01/20/2024 01:28	WG2208875
Benzo(a)pyrene	0.0478		0.0472	1	01/20/2024 01:28	WG2208875
Bis(2-chloroethoxy)methane	ND		0.472	1	01/20/2024 01:28	WG2208875
Bis(2-chloroethyl)ether	ND		0.472	1	01/20/2024 01:28	WG2208875
2,2-Oxybis(1-Chloropropane)	ND		0.472	1	01/20/2024 01:28	WG2208875
4-Bromophenyl-phenylether	ND		0.472	1	01/20/2024 01:28	WG2208875
2-Chloronaphthalene	ND		0.0472	1	01/20/2024 01:28	WG2208875
4-Chlorophenyl-phenylether	ND		0.472	1	01/20/2024 01:28	WG2208875
Chrysene	0.0484		0.0472	1	01/20/2024 01:28	WG2208875
Dibenz(a,h)anthracene	ND		0.0472	1	01/20/2024 01:28	WG2208875
3,3-Dichlorobenzidine	ND		0.472	1	01/20/2024 01:28	WG2208875
2,4-Dinitrotoluene	ND		0.472	1	01/20/2024 01:28	WG2208875
2,6-Dinitrotoluene	ND		0.472	1	01/20/2024 01:28	WG2208875
Fluoranthene	0.0878		0.0472	1	01/20/2024 01:28	WG2208875
Fluorene	ND		0.0472	1	01/20/2024 01:28	WG2208875
Hexachlorobenzene	ND		0.472	1	01/20/2024 01:28	WG2208875
Hexachloro-1,3-butadiene	ND		0.472	1	01/20/2024 01:28	WG2208875
Hexachlorocyclopentadiene	ND		0.472	1	01/20/2024 01:28	WG2208875
Hexachloroethane	ND		0.472	1	01/20/2024 01:28	WG2208875
Indeno(1,2,3-cd)pyrene	ND		0.0472	1	01/20/2024 01:28	WG2208875
Isophorone	ND		0.472	1	01/20/2024 01:28	WG2208875
Naphthalene	ND		0.0472	1	01/20/2024 01:28	WG2208875
Nitrobenzene	ND		0.472	1	01/20/2024 01:28	WG2208875
n-Nitrosodimethylamine	ND		0.472	1	01/20/2024 01:28	WG2208875
n-Nitrosodiphenylamine	ND		0.472	1	01/20/2024 01:28	WG2208875
n-Nitrosodi-n-propylamine	ND		0.472	1	01/20/2024 01:28	WG2208875
Phenanthrene	ND		0.0472	1	01/20/2024 01:28	WG2208875
Benzylbutyl phthalate	ND		0.472	1	01/20/2024 01:28	WG2208875
Bis(2-ethylhexyl)phthalate	ND		0.472	1	01/20/2024 01:28	WG2208875
Di-n-butyl phthalate	ND		0.472	1	01/20/2024 01:28	WG2208875
Diethyl phthalate	ND		0.472	1	01/20/2024 01:28	WG2208875
Dimethyl phthalate	ND		0.472	1	01/20/2024 01:28	WG2208875
Di-n-octyl phthalate	ND		0.472	1	01/20/2024 01:28	WG2208875
Pyrene	0.0848		0.0472	1	01/20/2024 01:28	WG2208875
1,2,4-Trichlorobenzene	ND		0.472	1	01/20/2024 01:28	WG2208875
4-Chloro-3-methylphenol	ND		0.472	1	01/20/2024 01:28	WG2208875
2-Chlorophenol	ND		0.472	1	01/20/2024 01:28	WG2208875
2,4-Dichlorophenol	ND		0.472	1	01/20/2024 01:28	WG2208875
2,4-Dimethylphenol	ND		0.472	1	01/20/2024 01:28	WG2208875
4,6-Dinitro-2-methylphenol	ND		0.472	1	01/20/2024 01:28	WG2208875
2,4-Dinitrophenol	ND		0.472	1	01/20/2024 01:28	WG2208875
2-Nitrophenol	ND		0.472	1	01/20/2024 01:28	WG2208875
4-Nitrophenol	ND		0.472	1	01/20/2024 01:28	WG2208875
Pentachlorophenol	ND		0.472	1	01/20/2024 01:28	WG2208875
Phenol	ND		0.472	1	01/20/2024 01:28	WG2208875
2,4,6-Trichlorophenol	ND		0.472	1	01/20/2024 01:28	WG2208875
(S) 2-Fluorophenol	65.0		12.0-120		01/20/2024 01:28	WG2208875
(S) Phenol-d5	62.5		10.0-120		01/20/2024 01:28	WG2208875
(S) Nitrobenzene-d5	73.6		10.0-122		01/20/2024 01:28	WG2208875
(S) 2-Fluorobiphenyl	69.0		15.0-120		01/20/2024 01:28	WG2208875
(S) 2,4,6-Tribromophenol	71.7		10.0-127		01/20/2024 01:28	WG2208875
(S) p-Terphenyl-d14	72.9		10.0-120		01/20/2024 01:28	WG2208875

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	71.6		1	01/19/2024 08:09	WG2209033

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Hexavalent Chromium	ND		1.40	1	01/24/2024 20:44	WG2209352

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Mercury	0.0899		0.0559	1	01/21/2024 13:44	WG2209506

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Antimony	ND		4.19	5	01/31/2024 14:02	WG2209280
Arsenic	3.02		1.40	5	01/31/2024 14:02	WG2209280
Barium	110		3.49	5	01/31/2024 14:02	WG2209280
Beryllium	ND		3.49	5	01/31/2024 14:02	WG2209280
Cadmium	ND		1.40	5	01/31/2024 14:02	WG2209280
Chromium	25.6		6.99	5	01/31/2024 14:02	WG2209280
Cobalt	8.64		1.40	5	01/31/2024 14:02	WG2209280
Copper	14.1		6.99	5	01/31/2024 14:02	WG2209280
Lead	32.4		2.79	5	01/31/2024 14:02	WG2209280
Manganese	704		34.9	50	01/31/2024 19:15	WG2209280
Nickel	15.0		3.49	5	01/31/2024 14:02	WG2209280
Selenium	ND		3.49	5	01/31/2024 14:02	WG2209280
Silver	ND		0.699	5	01/31/2024 14:02	WG2209280
Thallium	ND		2.79	5	01/31/2024 14:02	WG2209280
Vanadium	35.4		3.49	5	01/31/2024 14:02	WG2209280
Zinc	37.6		34.9	5	01/31/2024 14:02	WG2209280

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Acetone	ND		0.112	1.32	01/18/2024 12:39	WG2208733
Acrylonitrile	ND		0.0280	1.32	01/18/2024 12:39	WG2208733
Benzene	ND		0.00224	1.32	01/18/2024 12:39	WG2208733
Bromobenzene	ND		0.0280	1.32	01/18/2024 12:39	WG2208733
Bromodichloromethane	ND	J4	0.00560	1.32	01/18/2024 12:39	WG2208733
Bromoform	ND		0.0560	1.32	01/18/2024 12:39	WG2208733
Bromomethane	ND		0.0280	1.32	01/18/2024 12:39	WG2208733
n-Butylbenzene	ND		0.0280	1.32	01/18/2024 12:39	WG2208733
sec-Butylbenzene	ND		0.0280	1.32	01/18/2024 12:39	WG2208733
tert-Butylbenzene	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
Carbon tetrachloride	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
Chlorobenzene	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
Chlorodibromomethane	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
Chloroethane	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
Chloroform	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
Chloromethane	ND		0.0280	1.32	01/18/2024 12:39	WG2208733
2-Chlorotoluene	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
4-Chlorotoluene	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
1,2-Dibromo-3-Chloropropane	ND		0.0560	1.32	01/18/2024 12:39	WG2208733

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
Dibromomethane	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
1,2-Dichlorobenzene	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
1,3-Dichlorobenzene	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
1,4-Dichlorobenzene	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
Dichlorodifluoromethane	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
1,1-Dichloroethane	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
1,2-Dichloroethane	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
1,1-Dichloroethene	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
cis-1,2-Dichloroethene	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
trans-1,2-Dichloroethene	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
1,2-Dichloropropane	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
1,1-Dichloropropene	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
1,3-Dichloropropane	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
cis-1,3-Dichloropropene	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
trans-1,3-Dichloropropene	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
2,2-Dichloropropane	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
Di-isopropyl ether	ND		0.00224	1.32	01/18/2024 12:39	WG2208733
Ethylbenzene	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
Hexachloro-1,3-butadiene	ND		0.0560	1.32	01/18/2024 12:39	WG2208733
Isopropylbenzene	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
p-Isopropyltoluene	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
2-Butanone (MEK)	ND		0.224	1.32	01/18/2024 12:39	WG2208733
Methylene Chloride	ND		0.0560	1.32	01/18/2024 12:39	WG2208733
4-Methyl-2-pentanone (MIBK)	ND		0.0560	1.32	01/18/2024 12:39	WG2208733
Methyl tert-butyl ether	ND		0.00224	1.32	01/18/2024 12:39	WG2208733
Naphthalene	ND		0.0280	1.32	01/18/2024 12:39	WG2208733
n-Propylbenzene	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
Styrene	ND		0.0280	1.32	01/18/2024 12:39	WG2208733
1,1,1,2-Tetrachloroethane	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
1,1,2,2-Tetrachloroethane	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
Tetrachloroethene	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
Toluene	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
1,2,3-Trichlorobenzene	ND		0.0280	1.32	01/18/2024 12:39	WG2208733
1,2,4-Trichlorobenzene	ND		0.0280	1.32	01/18/2024 12:39	WG2208733
1,1,1-Trichloroethane	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
1,1,2-Trichloroethane	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
Trichloroethene	ND		0.00224	1.32	01/18/2024 12:39	WG2208733
Trichlorofluoromethane	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
1,2,3-Trichloropropane	ND		0.0280	1.32	01/18/2024 12:39	WG2208733
1,2,4-Trimethylbenzene	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
1,3,5-Trimethylbenzene	ND		0.0112	1.32	01/18/2024 12:39	WG2208733
Vinyl chloride	ND		0.00560	1.32	01/18/2024 12:39	WG2208733
Xylenes, Total	ND		0.0146	1.32	01/18/2024 12:39	WG2208733
(S) Toluene-d8	96.3		75.0-131		01/18/2024 12:39	WG2208733
(S) 4-Bromofluorobenzene	101		67.0-138		01/18/2024 12:39	WG2208733
(S) 1,2-Dichloroethane-d4	90.5		70.0-130		01/18/2024 12:39	WG2208733

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0465	1	01/20/2024 01:52	WG2208875
Acenaphthylene	ND		0.0465	1	01/20/2024 01:52	WG2208875
Anthracene	ND		0.0465	1	01/20/2024 01:52	WG2208875
Benzidine	ND		2.33	1	01/20/2024 01:52	WG2208875
Benzo(a)anthracene	ND		0.0465	1	01/20/2024 01:52	WG2208875

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0545		0.0465	1	01/20/2024 01:52	WG2208875
Benzo(k)fluoranthene	ND		0.0465	1	01/20/2024 01:52	WG2208875
Benzo(g,h,i)perylene	ND		0.0465	1	01/20/2024 01:52	WG2208875
Benzo(a)pyrene	ND		0.0465	1	01/20/2024 01:52	WG2208875
Bis(2-chloroethoxy)methane	ND		0.465	1	01/20/2024 01:52	WG2208875
Bis(2-chloroethyl)ether	ND		0.465	1	01/20/2024 01:52	WG2208875
2,2-Oxybis(1-Chloropropane)	ND		0.465	1	01/20/2024 01:52	WG2208875
4-Bromophenyl-phenylether	ND		0.465	1	01/20/2024 01:52	WG2208875
2-Chloronaphthalene	ND		0.0465	1	01/20/2024 01:52	WG2208875
4-Chlorophenyl-phenylether	ND		0.465	1	01/20/2024 01:52	WG2208875
Chrysene	ND		0.0465	1	01/20/2024 01:52	WG2208875
Dibenz(a,h)anthracene	ND		0.0465	1	01/20/2024 01:52	WG2208875
3,3-Dichlorobenzidine	ND		0.465	1	01/20/2024 01:52	WG2208875
2,4-Dinitrotoluene	ND		0.465	1	01/20/2024 01:52	WG2208875
2,6-Dinitrotoluene	ND		0.465	1	01/20/2024 01:52	WG2208875
Fluoranthene	0.0714		0.0465	1	01/20/2024 01:52	WG2208875
Fluorene	ND		0.0465	1	01/20/2024 01:52	WG2208875
Hexachlorobenzene	ND		0.465	1	01/20/2024 01:52	WG2208875
Hexachloro-1,3-butadiene	ND		0.465	1	01/20/2024 01:52	WG2208875
Hexachlorocyclopentadiene	ND		0.465	1	01/20/2024 01:52	WG2208875
Hexachloroethane	ND		0.465	1	01/20/2024 01:52	WG2208875
Indeno(1,2,3-cd)pyrene	ND		0.0465	1	01/20/2024 01:52	WG2208875
Isophorone	ND		0.465	1	01/20/2024 01:52	WG2208875
Naphthalene	ND		0.0465	1	01/20/2024 01:52	WG2208875
Nitrobenzene	ND		0.465	1	01/20/2024 01:52	WG2208875
n-Nitrosodimethylamine	ND		0.465	1	01/20/2024 01:52	WG2208875
n-Nitrosodiphenylamine	ND		0.465	1	01/20/2024 01:52	WG2208875
n-Nitrosodi-n-propylamine	ND		0.465	1	01/20/2024 01:52	WG2208875
Phenanthrene	ND		0.0465	1	01/20/2024 01:52	WG2208875
Benzylbutyl phthalate	ND		0.465	1	01/20/2024 01:52	WG2208875
Bis(2-ethylhexyl)phthalate	ND		0.465	1	01/20/2024 01:52	WG2208875
Di-n-butyl phthalate	ND		0.465	1	01/20/2024 01:52	WG2208875
Diethyl phthalate	ND		0.465	1	01/20/2024 01:52	WG2208875
Dimethyl phthalate	ND		0.465	1	01/20/2024 01:52	WG2208875
Di-n-octyl phthalate	ND		0.465	1	01/20/2024 01:52	WG2208875
Pyrene	0.0708		0.0465	1	01/20/2024 01:52	WG2208875
1,2,4-Trichlorobenzene	ND		0.465	1	01/20/2024 01:52	WG2208875
4-Chloro-3-methylphenol	ND		0.465	1	01/20/2024 01:52	WG2208875
2-Chlorophenol	ND		0.465	1	01/20/2024 01:52	WG2208875
2,4-Dichlorophenol	ND		0.465	1	01/20/2024 01:52	WG2208875
2,4-Dimethylphenol	ND		0.465	1	01/20/2024 01:52	WG2208875
4,6-Dinitro-2-methylphenol	ND		0.465	1	01/20/2024 01:52	WG2208875
2,4-Dinitrophenol	ND		0.465	1	01/20/2024 01:52	WG2208875
2-Nitrophenol	ND		0.465	1	01/20/2024 01:52	WG2208875
4-Nitrophenol	ND		0.465	1	01/20/2024 01:52	WG2208875
Pentachlorophenol	ND		0.465	1	01/20/2024 01:52	WG2208875
Phenol	ND		0.465	1	01/20/2024 01:52	WG2208875
2,4,6-Trichlorophenol	ND		0.465	1	01/20/2024 01:52	WG2208875
(S) 2-Fluorophenol	61.6		12.0-120		01/20/2024 01:52	WG2208875
(S) Phenol-d5	59.2		10.0-120		01/20/2024 01:52	WG2208875
(S) Nitrobenzene-d5	66.7		10.0-122		01/20/2024 01:52	WG2208875
(S) 2-Fluorobiphenyl	61.9		15.0-120		01/20/2024 01:52	WG2208875
(S) 2,4,6-Tribromophenol	64.4		10.0-127		01/20/2024 01:52	WG2208875
(S) p-Terphenyl-d14	69.1		10.0-120		01/20/2024 01:52	WG2208875

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND	J3	50.0	1	01/18/2024 12:23	WG2208632
Acrolein	ND	J3 J4	50.0	1	01/18/2024 12:23	WG2208632
Acrylonitrile	ND		10.0	1	01/18/2024 12:23	WG2208632
Benzene	ND		1.00	1	01/18/2024 12:23	WG2208632
Bromobenzene	ND		1.00	1	01/18/2024 12:23	WG2208632
Bromodichloromethane	ND		1.00	1	01/18/2024 12:23	WG2208632
Bromoform	ND		1.00	1	01/18/2024 12:23	WG2208632
Bromomethane	ND		5.00	1	01/18/2024 12:23	WG2208632
n-Butylbenzene	ND		1.00	1	01/18/2024 12:23	WG2208632
sec-Butylbenzene	ND		1.00	1	01/18/2024 12:23	WG2208632
tert-Butylbenzene	ND		1.00	1	01/18/2024 12:23	WG2208632
Carbon tetrachloride	ND		1.00	1	01/18/2024 12:23	WG2208632
Chlorobenzene	ND		1.00	1	01/18/2024 12:23	WG2208632
Chlorodibromomethane	ND		1.00	1	01/18/2024 12:23	WG2208632
Chloroethane	ND		5.00	1	01/18/2024 12:23	WG2208632
Chloroform	ND		5.00	1	01/18/2024 12:23	WG2208632
Chloromethane	ND		2.50	1	01/18/2024 12:23	WG2208632
2-Chlorotoluene	ND		1.00	1	01/18/2024 12:23	WG2208632
4-Chlorotoluene	ND		1.00	1	01/18/2024 12:23	WG2208632
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/18/2024 12:23	WG2208632
1,2-Dibromoethane	ND		1.00	1	01/18/2024 12:23	WG2208632
Dibromomethane	ND		1.00	1	01/18/2024 12:23	WG2208632
1,2-Dichlorobenzene	ND		1.00	1	01/18/2024 12:23	WG2208632
1,3-Dichlorobenzene	ND		1.00	1	01/18/2024 12:23	WG2208632
1,4-Dichlorobenzene	ND		1.00	1	01/18/2024 12:23	WG2208632
Dichlorodifluoromethane	ND		5.00	1	01/18/2024 12:23	WG2208632
1,1-Dichloroethane	ND		1.00	1	01/18/2024 12:23	WG2208632
1,2-Dichloroethane	ND		1.00	1	01/18/2024 12:23	WG2208632
1,1-Dichloroethene	ND		1.00	1	01/18/2024 12:23	WG2208632
cis-1,2-Dichloroethene	ND		1.00	1	01/18/2024 12:23	WG2208632
trans-1,2-Dichloroethene	ND		1.00	1	01/18/2024 12:23	WG2208632
1,2-Dichloropropane	ND		1.00	1	01/18/2024 12:23	WG2208632
1,1-Dichloropropene	ND		1.00	1	01/18/2024 12:23	WG2208632
1,3-Dichloropropane	ND		1.00	1	01/18/2024 12:23	WG2208632
cis-1,3-Dichloropropene	ND		1.00	1	01/18/2024 12:23	WG2208632
trans-1,3-Dichloropropene	ND		1.00	1	01/18/2024 12:23	WG2208632
2,2-Dichloropropane	ND		1.00	1	01/18/2024 12:23	WG2208632
Di-isopropyl ether	ND		1.00	1	01/18/2024 12:23	WG2208632
Ethylbenzene	ND		1.00	1	01/18/2024 12:23	WG2208632
Hexachloro-1,3-butadiene	ND		1.00	1	01/18/2024 12:23	WG2208632
Isopropylbenzene	ND		1.00	1	01/18/2024 12:23	WG2208632
p-Isopropyltoluene	ND		1.00	1	01/18/2024 12:23	WG2208632
2-Butanone (MEK)	ND		10.0	1	01/18/2024 12:23	WG2208632
Methylene Chloride	ND		5.00	1	01/18/2024 12:23	WG2208632
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/18/2024 12:23	WG2208632
Methyl tert-butyl ether	ND		1.00	1	01/18/2024 12:23	WG2208632
Naphthalene	ND		5.00	1	01/18/2024 12:23	WG2208632
n-Propylbenzene	ND		1.00	1	01/18/2024 12:23	WG2208632
Styrene	ND		1.00	1	01/18/2024 12:23	WG2208632
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/18/2024 12:23	WG2208632
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/18/2024 12:23	WG2208632
Tetrachloroethene	ND		1.00	1	01/18/2024 12:23	WG2208632
Toluene	ND		1.00	1	01/18/2024 12:23	WG2208632
1,2,3-Trichlorobenzene	ND		1.00	1	01/18/2024 12:23	WG2208632
1,2,4-Trichlorobenzene	ND		1.00	1	01/18/2024 12:23	WG2208632
1,1,1-Trichloroethane	ND		1.00	1	01/18/2024 12:23	WG2208632

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	01/18/2024 12:23	WG2208632
Trichloroethene	ND		1.00	1	01/18/2024 12:23	WG2208632
Trichlorofluoromethane	ND		5.00	1	01/18/2024 12:23	WG2208632
1,2,3-Trichloropropane	ND		2.50	1	01/18/2024 12:23	WG2208632
1,2,4-Trimethylbenzene	ND		1.00	1	01/18/2024 12:23	WG2208632
1,3,5-Trimethylbenzene	ND		1.00	1	01/18/2024 12:23	WG2208632
Vinyl chloride	ND		1.00	1	01/18/2024 12:23	WG2208632
Xylenes, Total	ND		3.00	1	01/18/2024 12:23	WG2208632
(S) Toluene-d8	101		80.0-120		01/18/2024 12:23	WG2208632
(S) 4-Bromofluorobenzene	100		77.0-126		01/18/2024 12:23	WG2208632
(S) 1,2-Dichloroethane-d4	96.8		70.0-130		01/18/2024 12:23	WG2208632

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

Method Blank (MB)

(MB) R4024461-1 01/19/24 08:18

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00200			

¹Cp

²Tc

³Ss

L1696356-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1696356-21 01/19/24 08:18 • (DUP) R4024461-3 01/19/24 08:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	83.5	84.1	1	0.681		10

⁴Cn

⁵Sr

Laboratory Control Sample (LCS)

(LCS) R4024461-2 01/19/24 08:18

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

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4024460-1 01/19/24 08:09

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

1 Cp

2 Tc

3 Ss

L1696435-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1696435-11 01/19/24 08:09 • (DUP) R4024460-3 01/19/24 08:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	70.5	70.7	1	0.205		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4024460-2 01/19/24 08:09

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4025969-1 01/24/24 16:53

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1696435-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1696435-02 01/24/24 18:40 • (DUP) R4025969-7 01/24/24 18:47

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

L1696435-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1696435-07 01/24/24 19:55 • (DUP) R4025969-12 01/24/24 20:01

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	1.59	1	18.6		20

Laboratory Control Sample (LCS)

(LCS) R4025969-2 01/24/24 17:01

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.6	106	80.0-120	

L1696432-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696432-11 01/24/24 17:51 • (MS) R4025969-3 01/24/24 18:09 • (MSD) R4025969-4 01/24/24 18:16

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	23.2	2.46	26.8	22.8	105	87.6	1	75.0-125			16.1	20

L1696435-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696435-05 01/24/24 19:05 • (MS) R4025969-8 01/24/24 19:24 • (MSD) R4025969-9 01/24/24 19:30

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
Hexavalent Chromium	27.1	ND	23.3	26.0	83.2	93.3	1	75.0-125			11.1	20

1 Cp

2 Tc

3 Ss

L1696432-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1696432-11 01/24/24 17:51 • (MS) R4025969-5 01/24/24 18:22

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	753	2.46	1070	142	50	75.0-125	J5

4 Cn

5 Sr

6 Qc

L1696435-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1696435-05 01/24/24 19:05 • (MS) R4025969-10 01/24/24 19:36

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	874	ND	809	92.6	50	75.0-125	

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024705-1 01/21/24 12:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4024705-2 01/21/24 13:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.541	108	80.0-120	

L1696945-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696945-04 01/21/24 13:08 • (MS) R4024705-5 01/21/24 14:34 • (MSD) R4024705-6 01/21/24 14:37

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.555	1.47	0.721	0.699	0.000	0.000	1	75.0-125	J6	J6	3.15	20

L1696945-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696945-04 01/21/24 13:08 • (MS) R4024705-3 01/21/24 13:10 • (MSD) R4024705-4 01/21/24 13:12

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.555	1.47	0.734	0.715	0.000	0.000	1	75.0-125	J6	J6	2.59	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024686-1 01/21/24 11:51

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4024686-2 01/21/24 11:53

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.555	111	80.0-120	

4 Cn

5 Sr

L1696435-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696435-09 01/21/24 11:56 • (MS) R4024686-3 01/21/24 11:58 • (MSD) R4024686-4 01/21/24 12:01

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.667	0.0539	0.665	0.675	91.6	93.1	1	75.0-125			1.53	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4028326-1 01/31/24 12:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	0.311	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	U		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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4028326-2 01/31/24 12:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	91.9	91.9	80.0-120	
Arsenic	100	88.5	88.5	80.0-120	
Barium	100	86.2	86.2	80.0-120	
Beryllium	100	86.9	86.9	80.0-120	
Cadmium	100	89.5	89.5	80.0-120	
Chromium	100	89.2	89.2	80.0-120	
Cobalt	100	91.4	91.4	80.0-120	
Copper	100	88.0	88.0	80.0-120	
Lead	100	86.7	86.7	80.0-120	
Manganese	100	87.7	87.7	80.0-120	
Nickel	100	90.6	90.6	80.0-120	
Selenium	100	88.5	88.5	80.0-120	
Silver	20.0	17.9	89.4	80.0-120	
Thallium	100	86.9	86.9	80.0-120	
Vanadium	100	87.9	87.9	80.0-120	
Zinc	100	86.4	86.4	80.0-120	

L1696435-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696435-06 01/31/24 13:03 • (MS) R4028326-5 01/31/24 13:12 • (MSD) R4028326-6 01/31/24 13:15

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	125	ND	87.9	73.8	70.1	58.9	5	75.0-125	J6	J6	17.4	20
Arsenic	125	2.50	111	119	86.5	93.6	5	75.0-125			7.70	20
Barium	125	154	238	263	67.3	87.8	5	75.0-125	J6		10.2	20
Beryllium	125	ND	105	121	83.4	96.1	5	75.0-125			14.0	20
Cadmium	125	ND	119	133	95.2	106	5	75.0-125			11.2	20
Chromium	125	34.8	146	164	89.0	104	5	75.0-125			11.9	20
Cobalt	125	19.9	137	152	93.8	106	5	75.0-125			10.3	20
Copper	125	39.5	133	158	74.6	94.5	5	75.0-125	J6		17.1	20
Lead	125	23.5	143	151	95.8	102	5	75.0-125			5.40	20
Manganese	125	895	1010	869	87.9	0.000	5	75.0-125		V	14.5	20
Nickel	125	20.1	133	149	90.3	104	5	75.0-125			11.7	20
Selenium	125	ND	116	130	92.7	103	5	75.0-125			10.8	20
Silver	25.0	ND	24.9	26.5	99.7	106	5	75.0-125			6.08	20
Thallium	125	ND	114	129	91.0	103	5	75.0-125			12.2	20
Vanadium	125	116	167	211	40.4	75.5	5	75.0-125	J6	J3	23.2	20
Zinc	125	79.7	156	188	61.2	86.6	5	75.0-125	J6		18.4	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4023943-2 01/17/24 11:07

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023943-2 01/17/24 11:07

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	104			75.0-131
(S) 4-Bromofluorobenzene	96.4			67.0-138
(S) 1,2-Dichloroethane-d4	88.4			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4023943-1 01/17/24 09:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.744	119	10.0-160	
Acrylonitrile	0.625	0.608	97.3	45.0-153	
Benzene	0.125	0.125	100	70.0-123	
Bromobenzene	0.125	0.139	111	73.0-121	
Bromodichloromethane	0.125	0.131	105	73.0-121	
Bromoform	0.125	0.128	102	64.0-132	
Bromomethane	0.125	0.141	113	56.0-147	

Laboratory Control Sample (LCS)

(LCS) R4023943-1 01/17/24 09:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
n-Butylbenzene	0.125	0.128	102	68.0-135	
sec-Butylbenzene	0.125	0.131	105	74.0-130	
tert-Butylbenzene	0.125	0.138	110	75.0-127	
Carbon tetrachloride	0.125	0.133	106	66.0-128	
Chlorobenzene	0.125	0.130	104	76.0-128	
Chlorodibromomethane	0.125	0.124	99.2	74.0-127	
Chloroethane	0.125	0.151	121	61.0-134	
Chloroform	0.125	0.124	99.2	72.0-123	
Chloromethane	0.125	0.140	112	51.0-138	
2-Chlorotoluene	0.125	0.133	106	75.0-124	
4-Chlorotoluene	0.125	0.128	102	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.0997	79.8	59.0-130	
1,2-Dibromoethane	0.125	0.134	107	74.0-128	
Dibromomethane	0.125	0.125	100	75.0-122	
1,2-Dichlorobenzene	0.125	0.128	102	76.0-124	
1,3-Dichlorobenzene	0.125	0.134	107	76.0-125	
1,4-Dichlorobenzene	0.125	0.128	102	77.0-121	
Dichlorodifluoromethane	0.125	0.149	119	43.0-156	
1,1-Dichloroethane	0.125	0.135	108	70.0-127	
1,2-Dichloroethane	0.125	0.121	96.8	65.0-131	
1,1-Dichloroethene	0.125	0.135	108	65.0-131	
cis-1,2-Dichloroethene	0.125	0.131	105	73.0-125	
trans-1,2-Dichloroethene	0.125	0.132	106	71.0-125	
1,2-Dichloropropane	0.125	0.129	103	74.0-125	
1,1-Dichloropropene	0.125	0.136	109	73.0-125	
1,3-Dichloropropane	0.125	0.131	105	80.0-125	
cis-1,3-Dichloropropene	0.125	0.140	112	76.0-127	
trans-1,3-Dichloropropene	0.125	0.144	115	73.0-127	
2,2-Dichloropropane	0.125	0.157	126	59.0-135	
Di-isopropyl ether	0.125	0.123	98.4	60.0-136	
Ethylbenzene	0.125	0.135	108	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.122	97.6	57.0-150	
Isopropylbenzene	0.125	0.141	113	72.0-127	
p-Isopropyltoluene	0.125	0.136	109	72.0-133	
2-Butanone (MEK)	0.625	0.620	99.2	30.0-160	
Methylene Chloride	0.125	0.138	110	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.628	100	56.0-143	
Methyl tert-butyl ether	0.125	0.147	118	66.0-132	
Naphthalene	0.125	0.121	96.8	59.0-130	
n-Propylbenzene	0.125	0.130	104	74.0-126	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4023943-1 01/17/24 09:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Styrene	0.125	0.130	104	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.142	114	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.120	96.0	68.0-128	
Tetrachloroethene	0.125	0.144	115	70.0-136	
Toluene	0.125	0.128	102	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.129	103	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.126	101	62.0-137	
1,1,1-Trichloroethane	0.125	0.145	116	69.0-126	
1,1,2-Trichloroethane	0.125	0.138	110	78.0-123	
Trichloroethene	0.125	0.124	99.2	76.0-126	
Trichlorofluoromethane	0.125	0.152	122	61.0-142	
1,2,3-Trichloropropane	0.125	0.122	97.6	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.131	105	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.131	105	73.0-127	
Vinyl chloride	0.125	0.150	120	63.0-134	
Xylenes, Total	0.375	0.345	92.0	72.0-127	
(S) Toluene-d8			99.8	75.0-131	
(S) 4-Bromofluorobenzene			99.0	67.0-138	
(S) 1,2-Dichloroethane-d4			94.1	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023811-3 01/17/24 21:37

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023811-3 01/17/24 21:37

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	98.0			75.0-131
(S) 4-Bromofluorobenzene	100			67.0-138
(S) 1,2-Dichloroethane-d4	88.8			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4023811-1 01/17/24 20:02 • (LCSD) R4023811-2 01/17/24 20:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.491	0.567	78.6	90.7	10.0-160			14.4	31
Acrylonitrile	0.625	0.547	0.607	87.5	97.1	45.0-153			10.4	22
Benzene	0.125	0.129	0.116	103	92.8	70.0-123			10.6	20
Bromobenzene	0.125	0.135	0.130	108	104	73.0-121			3.77	20
Bromodichloromethane	0.125	0.133	0.123	106	98.4	73.0-121			7.81	20
Bromoform	0.125	0.124	0.119	99.2	95.2	64.0-132			4.12	20
Bromomethane	0.125	0.144	0.134	115	107	56.0-147			7.19	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4023811-1 01/17/24 20:02 • (LCSD) R4023811-2 01/17/24 20:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.121	0.126	96.8	101	68.0-135			4.05	20
sec-Butylbenzene	0.125	0.127	0.127	102	102	74.0-130			0.000	20
tert-Butylbenzene	0.125	0.142	0.128	114	102	75.0-127			10.4	20
Carbon tetrachloride	0.125	0.132	0.127	106	102	66.0-128			3.86	20
Chlorobenzene	0.125	0.131	0.123	105	98.4	76.0-128			6.30	20
Chlorodibromomethane	0.125	0.118	0.111	94.4	88.8	74.0-127			6.11	20
Chloroethane	0.125	0.158	0.145	126	116	61.0-134			8.58	20
Chloroform	0.125	0.123	0.117	98.4	93.6	72.0-123			5.00	20
Chloromethane	0.125	0.135	0.122	108	97.6	51.0-138			10.1	20
2-Chlorotoluene	0.125	0.130	0.126	104	101	75.0-124			3.12	20
4-Chlorotoluene	0.125	0.124	0.121	99.2	96.8	75.0-124			2.45	20
1,2-Dibromo-3-Chloropropane	0.125	0.0928	0.112	74.2	89.6	59.0-130			18.8	20
1,2-Dibromoethane	0.125	0.131	0.124	105	99.2	74.0-128			5.49	20
Dibromomethane	0.125	0.126	0.121	101	96.8	75.0-122			4.05	20
1,2-Dichlorobenzene	0.125	0.128	0.127	102	102	76.0-124			0.784	20
1,3-Dichlorobenzene	0.125	0.134	0.127	107	102	76.0-125			5.36	20
1,4-Dichlorobenzene	0.125	0.126	0.123	101	98.4	77.0-121			2.41	20
Dichlorodifluoromethane	0.125	0.123	0.115	98.4	92.0	43.0-156			6.72	20
1,1-Dichloroethane	0.125	0.132	0.123	106	98.4	70.0-127			7.06	20
1,2-Dichloroethane	0.125	0.119	0.111	95.2	88.8	65.0-131			6.96	20
1,1-Dichloroethene	0.125	0.130	0.125	104	100	65.0-131			3.92	20
cis-1,2-Dichloroethene	0.125	0.130	0.124	104	99.2	73.0-125			4.72	20
trans-1,2-Dichloroethene	0.125	0.129	0.118	103	94.4	71.0-125			8.91	20
1,2-Dichloropropane	0.125	0.128	0.116	102	92.8	74.0-125			9.84	20
1,1-Dichloropropene	0.125	0.133	0.120	106	96.0	73.0-125			10.3	20
1,3-Dichloropropane	0.125	0.124	0.121	99.2	96.8	80.0-125			2.45	20
cis-1,3-Dichloropropene	0.125	0.137	0.123	110	98.4	76.0-127			10.8	20
trans-1,3-Dichloropropene	0.125	0.131	0.123	105	98.4	73.0-127			6.30	20
2,2-Dichloropropane	0.125	0.126	0.123	101	98.4	59.0-135			2.41	20
Di-isopropyl ether	0.125	0.120	0.114	96.0	91.2	60.0-136			5.13	20
Ethylbenzene	0.125	0.137	0.127	110	102	74.0-126			7.58	20
Hexachloro-1,3-butadiene	0.125	0.110	0.118	88.0	94.4	57.0-150			7.02	20
Isopropylbenzene	0.125	0.140	0.134	112	107	72.0-127			4.38	20
p-Isopropyltoluene	0.125	0.136	0.130	109	104	72.0-133			4.51	20
2-Butanone (MEK)	0.625	0.577	0.542	92.3	86.7	30.0-160			6.26	24
Methylene Chloride	0.125	0.131	0.116	105	92.8	68.0-123			12.1	20
4-Methyl-2-pentanone (MIBK)	0.625	0.556	0.572	89.0	91.5	56.0-143			2.84	20
Methyl tert-butyl ether	0.125	0.137	0.138	110	110	66.0-132			0.727	20
Naphthalene	0.125	0.105	0.130	84.0	104	59.0-130		J3	21.3	20
n-Propylbenzene	0.125	0.132	0.123	106	98.4	74.0-126			7.06	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4023811-1 01/17/24 20:02 • (LCSD) R4023811-2 01/17/24 20:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Styrene	0.125	0.128	0.122	102	97.6	72.0-127			4.80	20
1,1,1,2-Tetrachloroethane	0.125	0.134	0.134	107	107	74.0-129			0.000	20
1,1,2,2-Tetrachloroethane	0.125	0.112	0.111	89.6	88.8	68.0-128			0.897	20
Tetrachloroethene	0.125	0.145	0.136	116	109	70.0-136			6.41	20
Toluene	0.125	0.130	0.120	104	96.0	75.0-121			8.00	20
1,2,3-Trichlorobenzene	0.125	0.123	0.142	98.4	114	59.0-139			14.3	20
1,2,4-Trichlorobenzene	0.125	0.123	0.128	98.4	102	62.0-137			3.98	20
1,1,1-Trichloroethane	0.125	0.141	0.133	113	106	69.0-126			5.84	20
1,1,2-Trichloroethane	0.125	0.129	0.122	103	97.6	78.0-123			5.58	20
Trichloroethene	0.125	0.129	0.120	103	96.0	76.0-126			7.23	20
Trichlorofluoromethane	0.125	0.156	0.140	125	112	61.0-142			10.8	20
1,2,3-Trichloropropane	0.125	0.120	0.119	96.0	95.2	67.0-129			0.837	20
1,2,4-Trimethylbenzene	0.125	0.132	0.127	106	102	70.0-126			3.86	20
1,3,5-Trimethylbenzene	0.125	0.133	0.128	106	102	73.0-127			3.83	20
Vinyl chloride	0.125	0.140	0.136	112	109	63.0-134			2.90	20
Xylenes, Total	0.375	0.358	0.337	95.5	89.9	72.0-127			6.04	20
(S) Toluene-d8				96.5	94.1	75.0-131				
(S) 4-Bromofluorobenzene				103	103	67.0-138				
(S) 1,2-Dichloroethane-d4				93.1	91.9	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023998-2 01/18/24 10:41

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023998-2 01/18/24 10:41

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	97.1			75.0-131
(S) 4-Bromofluorobenzene	102			67.0-138
(S) 1,2-Dichloroethane-d4	98.3			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4023998-1 01/18/24 09:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.766	123	10.0-160	
Acrylonitrile	0.625	0.824	132	45.0-153	
Benzene	0.125	0.132	106	70.0-123	
Bromobenzene	0.125	0.136	109	73.0-121	
Bromodichloromethane	0.125	0.161	129	73.0-121	J4
Bromoform	0.125	0.122	97.6	64.0-132	
Bromomethane	0.125	0.124	99.2	56.0-147	

Laboratory Control Sample (LCS)

(LCS) R4023998-1 01/18/24 09:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
n-Butylbenzene	0.125	0.142	114	68.0-135	
sec-Butylbenzene	0.125	0.149	119	74.0-130	
tert-Butylbenzene	0.125	0.144	115	75.0-127	
Carbon tetrachloride	0.125	0.147	118	66.0-128	
Chlorobenzene	0.125	0.132	106	76.0-128	
Chlorodibromomethane	0.125	0.132	106	74.0-127	
Chloroethane	0.125	0.126	101	61.0-134	
Chloroform	0.125	0.143	114	72.0-123	
Chloromethane	0.125	0.137	110	51.0-138	
2-Chlorotoluene	0.125	0.140	112	75.0-124	
4-Chlorotoluene	0.125	0.154	123	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.110	88.0	59.0-130	
1,2-Dibromoethane	0.125	0.131	105	74.0-128	
Dibromomethane	0.125	0.131	105	75.0-122	
1,2-Dichlorobenzene	0.125	0.139	111	76.0-124	
1,3-Dichlorobenzene	0.125	0.142	114	76.0-125	
1,4-Dichlorobenzene	0.125	0.135	108	77.0-121	
Dichlorodifluoromethane	0.125	0.123	98.4	43.0-156	
1,1-Dichloroethane	0.125	0.136	109	70.0-127	
1,2-Dichloroethane	0.125	0.145	116	65.0-131	
1,1-Dichloroethene	0.125	0.137	110	65.0-131	
cis-1,2-Dichloroethene	0.125	0.134	107	73.0-125	
trans-1,2-Dichloroethene	0.125	0.124	99.2	71.0-125	
1,2-Dichloropropane	0.125	0.144	115	74.0-125	
1,1-Dichloropropene	0.125	0.134	107	73.0-125	
1,3-Dichloropropane	0.125	0.146	117	80.0-125	
cis-1,3-Dichloropropene	0.125	0.143	114	76.0-127	
trans-1,3-Dichloropropene	0.125	0.152	122	73.0-127	
2,2-Dichloropropane	0.125	0.127	102	59.0-135	
Di-isopropyl ether	0.125	0.148	118	60.0-136	
Ethylbenzene	0.125	0.134	107	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.155	124	57.0-150	
Isopropylbenzene	0.125	0.140	112	72.0-127	
p-Isopropyltoluene	0.125	0.145	116	72.0-133	
2-Butanone (MEK)	0.625	0.872	140	30.0-160	
Methylene Chloride	0.125	0.123	98.4	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.832	133	56.0-143	
Methyl tert-butyl ether	0.125	0.133	106	66.0-132	
Naphthalene	0.125	0.146	117	59.0-130	
n-Propylbenzene	0.125	0.150	120	74.0-126	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4023998-1 01/18/24 09:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Styrene	0.125	0.135	108	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.138	110	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.154	123	68.0-128	
Tetrachloroethene	0.125	0.123	98.4	70.0-136	
Toluene	0.125	0.132	106	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.136	109	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.151	121	62.0-137	
1,1,1-Trichloroethane	0.125	0.144	115	69.0-126	
1,1,2-Trichloroethane	0.125	0.121	96.8	78.0-123	
Trichloroethene	0.125	0.123	98.4	76.0-126	
Trichlorofluoromethane	0.125	0.123	98.4	61.0-142	
1,2,3-Trichloropropane	0.125	0.145	116	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.135	108	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.121	96.8	73.0-127	
Vinyl chloride	0.125	0.133	106	63.0-134	
Xylenes, Total	0.375	0.406	108	72.0-127	
<i>(S) Toluene-d8</i>			96.6	75.0-131	
<i>(S) 4-Bromofluorobenzene</i>			103	67.0-138	
<i>(S) 1,2-Dichloroethane-d4</i>			99.5	70.0-130	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4024396-3 01/18/24 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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4024396-3 01/18/24 09:30

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	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	106			80.0-120
(S) 4-Bromofluorobenzene	99.9			77.0-126
(S) 1,2-Dichloroethane-d4	93.8			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4024396-1 01/18/24 08:34 • (LCSD) R4024396-2 01/18/24 08:53

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Acetone	25.0	27.1	36.8	108	147	19.0-160		J3	30.4	27
Acrolein	25.0	66.5	44.5	266	178	10.0-160	J4	J3 J4	39.6	26
Acrylonitrile	25.0	29.9	28.2	120	113	55.0-149			5.85	20
Benzene	5.00	5.69	5.65	114	113	70.0-123			0.705	20
Bromobenzene	5.00	5.07	4.90	101	98.0	73.0-121			3.41	20
Bromodichloromethane	5.00	5.52	5.27	110	105	75.0-120			4.63	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4024396-1 01/18/24 08:34 • (LCSD) R4024396-2 01/18/24 08:53

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	5.44	4.96	109	99.2	68.0-132			9.23	20
Bromomethane	5.00	5.86	5.77	117	115	10.0-160			1.55	25
n-Butylbenzene	5.00	5.37	5.07	107	101	73.0-125			5.75	20
sec-Butylbenzene	5.00	5.52	4.94	110	98.8	75.0-125			11.1	20
tert-Butylbenzene	5.00	5.65	5.49	113	110	76.0-124			2.87	20
Carbon tetrachloride	5.00	5.74	5.76	115	115	68.0-126			0.348	20
Chlorobenzene	5.00	5.56	5.49	111	110	80.0-121			1.27	20
Chlorodibromomethane	5.00	5.23	5.33	105	107	77.0-125			1.89	20
Chloroethane	5.00	5.59	5.15	112	103	47.0-150			8.19	20
Chloroform	5.00	5.47	5.38	109	108	73.0-120			1.66	20
Chloromethane	5.00	5.12	4.67	102	93.4	41.0-142			9.19	20
2-Chlorotoluene	5.00	5.48	5.16	110	103	76.0-123			6.02	20
4-Chlorotoluene	5.00	5.41	5.32	108	106	75.0-122			1.68	20
1,2-Dibromo-3-Chloropropane	5.00	6.06	5.39	121	108	58.0-134			11.7	20
1,2-Dibromoethane	5.00	5.58	5.32	112	106	80.0-122			4.77	20
Dibromomethane	5.00	5.53	5.49	111	110	80.0-120			0.726	20
1,2-Dichlorobenzene	5.00	5.68	5.33	114	107	79.0-121			6.36	20
1,3-Dichlorobenzene	5.00	5.40	5.20	108	104	79.0-120			3.77	20
1,4-Dichlorobenzene	5.00	5.31	5.14	106	103	79.0-120			3.25	20
Dichlorodifluoromethane	5.00	4.76	4.66	95.2	93.2	51.0-149			2.12	20
1,1-Dichloroethane	5.00	5.51	5.54	110	111	70.0-126			0.543	20
1,2-Dichloroethane	5.00	5.36	5.23	107	105	70.0-128			2.46	20
1,1-Dichloroethene	5.00	5.29	5.30	106	106	71.0-124			0.189	20
cis-1,2-Dichloroethene	5.00	5.65	5.66	113	113	73.0-120			0.177	20
trans-1,2-Dichloroethene	5.00	5.43	5.66	109	113	73.0-120			4.15	20
1,2-Dichloropropane	5.00	5.55	5.67	111	113	77.0-125			2.14	20
1,1-Dichloropropene	5.00	5.62	5.72	112	114	74.0-126			1.76	20
1,3-Dichloropropane	5.00	5.64	5.32	113	106	80.0-120			5.84	20
cis-1,3-Dichloropropene	5.00	5.49	5.30	110	106	80.0-123			3.52	20
trans-1,3-Dichloropropene	5.00	5.45	5.02	109	100	78.0-124			8.21	20
2,2-Dichloropropane	5.00	6.17	5.99	123	120	58.0-130			2.96	20
Di-isopropyl ether	5.00	5.44	5.40	109	108	58.0-138			0.738	20
Ethylbenzene	5.00	5.75	5.52	115	110	79.0-123			4.08	20
Hexachloro-1,3-butadiene	5.00	5.11	5.54	102	111	54.0-138			8.08	20
Isopropylbenzene	5.00	5.95	5.53	119	111	76.0-127			7.32	20
p-Isopropyltoluene	5.00	5.69	4.95	114	99.0	76.0-125			13.9	20
2-Butanone (MEK)	25.0	27.5	28.3	110	113	44.0-160			2.87	20
Methylene Chloride	5.00	5.24	4.99	105	99.8	67.0-120			4.89	20
4-Methyl-2-pentanone (MIBK)	25.0	28.4	27.6	114	110	68.0-142			2.86	20
Methyl tert-butyl ether	5.00	5.56	5.61	111	112	68.0-125			0.895	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4024396-1 01/18/24 08:34 • (LCSD) R4024396-2 01/18/24 08:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Naphthalene	5.00	5.75	4.83	115	96.6	54.0-135			17.4	20
n-Propylbenzene	5.00	5.55	5.27	111	105	77.0-124			5.18	20
Styrene	5.00	5.53	5.55	111	111	73.0-130			0.361	20
1,1,1,2-Tetrachloroethane	5.00	5.64	5.32	113	106	75.0-125			5.84	20
1,1,2,2-Tetrachloroethane	5.00	5.73	4.81	115	96.2	65.0-130			17.5	20
Tetrachloroethene	5.00	6.04	5.65	121	113	72.0-132			6.67	20
Toluene	5.00	5.60	5.56	112	111	79.0-120			0.717	20
1,2,3-Trichlorobenzene	5.00	5.77	4.91	115	98.2	50.0-138			16.1	20
1,2,4-Trichlorobenzene	5.00	5.55	5.08	111	102	57.0-137			8.84	20
1,1,1-Trichloroethane	5.00	5.77	5.54	115	111	73.0-124			4.07	20
1,1,2-Trichloroethane	5.00	5.38	5.27	108	105	80.0-120			2.07	20
Trichloroethene	5.00	5.69	6.14	114	123	78.0-124			7.61	20
Trichlorofluoromethane	5.00	5.32	4.94	106	98.8	59.0-147			7.41	20
1,2,3-Trichloropropane	5.00	5.21	4.53	104	90.6	73.0-130			14.0	20
1,2,4-Trimethylbenzene	5.00	5.59	5.08	112	102	76.0-121			9.56	20
1,3,5-Trimethylbenzene	5.00	5.60	5.03	112	101	76.0-122			10.7	20
Vinyl chloride	5.00	5.37	5.10	107	102	67.0-131			5.16	20
Xylenes, Total	15.0	17.4	17.0	116	113	79.0-123			2.33	20
(S) Toluene-d8				101	103	80.0-120				
(S) 4-Bromofluorobenzene				103	101	77.0-126				
(S) 1,2-Dichloroethane-d4				96.0	95.6	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4025343-2 01/19/24 21:48

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4025343-2 01/19/24 21:48

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	77.9			12.0-120
(S) Phenol-d5	74.6			10.0-120
(S) Nitrobenzene-d5	82.3			10.0-122
(S) 2-Fluorobiphenyl	78.4			15.0-120
(S) 2,4,6-Tribromophenol	68.2			10.0-127
(S) p-Terphenyl-d14	90.4			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4025343-1 01/19/24 21:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.494	74.2	38.0-120	
Acenaphthylene	0.666	0.518	77.8	40.0-120	
Anthracene	0.666	0.565	84.8	42.0-120	
Benzidine	1.33	0.497	37.4	10.0-120	
Benzo(a)anthracene	0.666	0.588	88.3	44.0-120	
Benzo(b)fluoranthene	0.666	0.573	86.0	43.0-120	
Benzo(k)fluoranthene	0.666	0.526	79.0	44.0-120	
Benzo(g,h,i)perylene	0.666	0.550	82.6	43.0-120	
Benzo(a)pyrene	0.666	0.573	86.0	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.408	61.3	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.490	73.6	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.453	68.0	23.0-120	
4-Bromophenyl-phenylether	0.666	0.490	73.6	40.0-120	
2-Chloronaphthalene	0.666	0.487	73.1	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4025343-1 01/19/24 21:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.509	76.4	40.0-120	
Chrysene	0.666	0.539	80.9	43.0-120	
Dibenz(a,h)anthracene	0.666	0.567	85.1	44.0-120	
3,3-Dichlorobenzidine	1.33	1.03	77.4	28.0-120	
2,4-Dinitrotoluene	0.666	0.583	87.5	45.0-120	
2,6-Dinitrotoluene	0.666	0.555	83.3	42.0-120	
Fluoranthene	0.666	0.575	86.3	44.0-120	
Fluorene	0.666	0.530	79.6	41.0-120	
Hexachlorobenzene	0.666	0.468	70.3	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.391	58.7	15.0-120	
Hexachlorocyclopentadiene	0.666	0.304	45.6	15.0-120	
Hexachloroethane	0.666	0.426	64.0	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.536	80.5	45.0-120	
Isophorone	0.666	0.422	63.4	23.0-120	
Naphthalene	0.666	0.403	60.5	18.0-120	
Nitrobenzene	0.666	0.427	64.1	17.0-120	
n-Nitrosodimethylamine	0.666	0.478	71.8	10.0-125	
n-Nitrosodiphenylamine	0.666	0.564	84.7	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.497	74.6	26.0-120	
Phenanthrene	0.666	0.555	83.3	42.0-120	
Benzylbutyl phthalate	0.666	0.686	103	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.675	101	41.0-120	
Di-n-butyl phthalate	0.666	0.628	94.3	43.0-120	
Diethyl phthalate	0.666	0.558	83.8	43.0-120	
Dimethyl phthalate	0.666	0.558	83.8	43.0-120	
Di-n-octyl phthalate	0.666	0.689	103	40.0-120	
Pyrene	0.666	0.619	92.9	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.417	62.6	17.0-120	
4-Chloro-3-methylphenol	0.666	0.490	73.6	28.0-120	
2-Chlorophenol	0.666	0.494	74.2	28.0-120	
2,4-Dichlorophenol	0.666	0.472	70.9	25.0-120	
2,4-Dimethylphenol	0.666	0.534	80.2	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.536	80.5	16.0-120	
2,4-Dinitrophenol	0.666	0.460	69.1	10.0-120	
2-Nitrophenol	0.666	0.436	65.5	20.0-120	
4-Nitrophenol	0.666	0.489	73.4	27.0-120	
Pentachlorophenol	0.666	0.455	68.3	29.0-120	
Phenol	0.666	0.480	72.1	28.0-120	
2,4,6-Trichlorophenol	0.666	0.519	77.9	37.0-120	
(S) 2-Fluorophenol			79.1	12.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4025343-1 01/19/24 21:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			72.8	10.0-120	
(S) Nitrobenzene-d5			64.9	10.0-122	
(S) 2-Fluorobiphenyl			78.4	15.0-120	
(S) 2,4,6-Tribromophenol			75.5	10.0-127	
(S) p-Terphenyl-d14			85.9	10.0-120	

L1696435-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696435-07 01/20/24 03:27 • (MS) R4025343-3 01/20/24 03:51 • (MSD) R4025343-4 01/20/24 04:15

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	0.885	ND	0.611	0.542	69.1	61.2	1	18.0-120			12.0	32
Acenaphthylene	0.885	ND	0.640	0.568	71.5	63.4	1	25.0-120			12.0	32
Anthracene	0.885	ND	0.647	0.580	71.8	64.3	1	22.0-120			10.9	29
Benzidine	1.77	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(a)anthracene	0.885	0.0547	0.738	0.665	77.2	68.9	1	25.0-120			10.5	29
Benzo(b)fluoranthene	0.885	0.0759	0.750	0.635	76.2	63.1	1	19.0-122			16.7	31
Benzo(k)fluoranthene	0.885	ND	0.628	0.573	67.9	61.8	1	23.0-120			9.07	30
Benzo(g,h,i)perylene	0.885	ND	0.669	0.586	71.1	61.7	1	10.0-120			13.2	33
Benzo(a)pyrene	0.885	0.0591	0.723	0.635	75.0	65.0	1	24.0-120			13.0	30
Bis(2-chloroethoxy)methane	0.885	ND	0.516	0.468	58.3	52.9	1	10.0-120			9.68	34
Bis(2-chloroethyl)ether	0.885	ND	0.618	0.564	69.8	63.7	1	10.0-120			9.22	40
2,2-Oxybis(1-Chloropropane)	0.885	ND	ND	0.511	0.000	57.7	1	10.0-120	J6	J3	200	40
4-Bromophenyl-phenylether	0.885	ND	0.575	0.537	64.9	60.6	1	27.0-120			6.86	30
2-Chloronaphthalene	0.885	ND	0.583	0.541	65.8	61.1	1	20.0-120			7.52	32
4-Chlorophenyl-phenylether	0.885	ND	0.628	0.568	70.9	64.2	1	24.0-120			10.0	29
Chrysene	0.885	0.0474	0.686	0.633	72.2	66.2	1	21.0-120			8.05	29
Dibenz(a,h)anthracene	0.885	ND	0.647	0.579	73.1	65.4	1	10.0-120			11.1	32
3,3-Dichlorobenzidine	1.77	ND	ND	0.515	20.6	29.1	1	10.0-120		J3	34.1	34
2,4-Dinitrotoluene	0.885	ND	0.703	0.631	79.4	71.2	1	30.0-120			10.8	31
2,6-Dinitrotoluene	0.885	ND	0.661	0.594	74.6	67.1	1	25.0-120			10.6	31
Fluoranthene	0.885	0.109	0.782	0.677	76.0	64.1	1	18.0-126			14.4	32
Fluorene	0.885	ND	0.641	0.584	72.5	66.0	1	25.0-120			9.33	30
Hexachlorobenzene	0.885	ND	0.560	0.494	63.2	55.8	1	27.0-120			12.4	28
Hexachloro-1,3-butadiene	0.885	ND	0.507	0.486	57.2	54.9	1	10.0-120			4.12	38
Hexachlorocyclopentadiene	0.885	ND	ND	ND	11.4	13.2	1	10.0-120			14.4	40
Hexachloroethane	0.885	ND	ND	ND	42.9	43.2	1	10.0-120			0.714	40
Indeno(1,2,3-cd)pyrene	0.885	0.0455	0.662	0.582	69.6	60.6	1	10.0-120			12.9	32
Isophorone	0.885	ND	0.524	0.482	59.2	54.5	1	13.0-120			8.39	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1696435-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696435-07 01/20/24 03:27 • (MS) R4025343-3 01/20/24 03:51 • (MSD) R4025343-4 01/20/24 04:15

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	0.885	ND	0.509	0.479	53.1	49.7	1	10.0-120			6.06	35
Nitrobenzene	0.885	ND	0.527	0.489	59.5	55.2	1	10.0-120			7.51	36
n-Nitrosodimethylamine	0.885	ND	0.527	ND	59.5	47.5	1	10.0-127			22.4	40
n-Nitrosodiphenylamine	0.885	ND	0.626	0.572	70.8	64.6	1	17.0-120			9.09	29
n-Nitrosodi-n-propylamine	0.885	ND	0.617	0.567	69.7	64.0	1	10.0-120			8.52	37
Phenanthrene	0.885	0.0459	0.678	0.601	71.4	62.7	1	17.0-120			12.1	31
Benzylbutyl phthalate	0.885	ND	0.823	0.752	92.9	84.9	1	23.0-120			9.00	30
Bis(2-ethylhexyl)phthalate	0.885	ND	0.810	0.738	91.5	83.4	1	17.0-126			9.32	30
Di-n-butyl phthalate	0.885	ND	0.727	0.639	82.2	72.2	1	30.0-120			13.0	29
Diethyl phthalate	0.885	ND	0.671	0.602	75.8	68.0	1	26.0-120			10.9	28
Dimethyl phthalate	0.885	ND	0.661	0.601	74.6	67.8	1	25.0-120			9.50	29
Di-n-octyl phthalate	0.885	ND	0.885	0.799	100	90.3	1	21.0-123			10.2	29
Pyrene	0.885	0.100	0.808	0.726	79.9	70.7	1	16.0-121			10.7	32
1,2,4-Trichlorobenzene	0.885	ND	0.513	0.477	58.0	53.8	1	12.0-120			7.43	37
4-Chloro-3-methylphenol	0.885	ND	0.620	0.564	70.0	63.7	1	15.0-120			9.44	30
2-Chlorophenol	0.885	ND	0.606	0.545	68.5	61.5	1	15.0-120			10.7	37
2,4-Dichlorophenol	0.885	ND	0.597	0.545	67.4	61.5	1	20.0-120			9.07	31
2,4-Dimethylphenol	0.885	ND	0.677	0.625	76.5	70.6	1	10.0-120			7.95	33
4,6-Dinitro-2-methylphenol	0.885	ND	0.545	0.518	61.5	58.5	1	10.0-120			5.13	39
2,4-Dinitrophenol	0.885	ND	0.595	0.594	67.2	67.1	1	10.0-121			0.229	40
2-Nitrophenol	0.885	ND	0.560	0.526	63.2	59.4	1	12.0-120			6.27	39
4-Nitrophenol	0.885	ND	0.652	0.561	73.7	63.4	1	10.0-137			15.0	32
Pentachlorophenol	0.885	ND	0.666	0.588	75.2	66.5	1	10.0-160			12.4	31
Phenol	0.885	ND	0.591	0.547	66.8	61.8	1	12.0-120			7.66	38
2,4,6-Trichlorophenol	0.885	ND	0.659	0.592	74.5	66.9	1	19.0-120			10.7	32
(S) 2-Fluorophenol					70.0	64.9		12.0-120				
(S) Phenol-d5					66.5	60.5		10.0-120				
(S) Nitrobenzene-d5					62.2	57.5		10.0-122				
(S) 2-Fluorobiphenyl					70.8	64.3		15.0-120				
(S) 2,4,6-Tribromophenol					73.8	65.2		10.0-127				
(S) p-Terphenyl-d14					75.7	69.8		10.0-120				

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

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

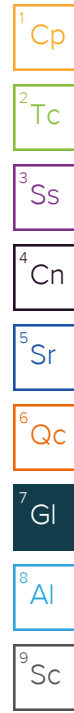
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
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.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.



GLOSSARY OF TERMS

Qualifier	Description
-----------	-------------

V	The sample concentration is too high to evaluate accurate spike recoveries.
---	-----------------------------------------------------------------------------

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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	LA000356
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl


⁸ Al

⁹ Sc

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.com)

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

 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/hubs/pas-standard-terms.pdf>

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**

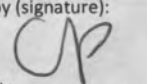
Client Project #
23050630

Lab Project #
SMERLNC-NORTHGATE

Collected by (print):
Cheisea Parra

Site/Facility ID #

P.O. #

Collected by (signature):


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

Immediately Packed on Ice N ___ Y

No. of Cntrs

Metals 20zClr-NoPres
 SPLP/TCLP 6020 4ozClr-NoPres
 SV8270,TS 4ozClr-NoPres
 V8260 40mlAmb-HCl-BIK
 V8260 40mlAmb/MeOH10ml/Syr
 SV0CS 8270
 18 Metals 6020
 Mercury 7471
 Hex Chroma 7199

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

Cntrs

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: **SPLP/TCLP on hold**

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via:
 ___ UPS ___ FedEx ___ Courier


Tracking # **7155 0298 3363**

Sample Receipt Checklist

COC Real Present/Intact: 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: **1/12/24**
 Time: **1710**

Received by: (Signature)
 Trip Blank Received: Yes No
 HCL/MeOH
 TBR

Temp: **17.0** °C
 Bottles Received: **1700**

If preservation required by Login: Date/Time
 Date: **1-13-24** Time: **9:00**
 Condition: **NCF 100**

Relinquished by: (Signature)

Date:

Received for lab by: (Signature)


Date: **1-13-24** Time: **9:00**

Condition: **NCF 100**

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@concurrency.com)

Pres
 Chk

Email To: jpaul@smeinc.com

Report to:
Mr. Jerry Paul

Project Description:
Northgate Park

City/State Collected: **Durham, NC**

Please Circle:
 PT MT CT **(ET)**

Phone: **919-872-2660**

Client Project #
23050630

Lab Project #
SMERLNC-NORTHGATE

Collected by (print):
Chelsea Parra

Site/Facility ID #

P.O. #

Collected by (signature):
CP

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
 No. of Cntrs

Immediately Packed on Ice N ___ Y

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	Metals 2ozClr-NoPres	SPLP/TCLP GOLD 4ozClr-NoPres	SV8270, TS 4ozClr-NoPres	V8260 40mlAmb-HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr	SV065 8270	18 Metals 6020	Mercury 7471	Hex-Chrom 7199
825-SB-39	C	SS	0-1	1/12/24	1200	4	X	X	X	X	X	X	X	X	X
825-SB-40	↓	SS	↓	↓	1205	4	X	X	X	X	X	←	←	←	←
Trip Blank		GW-SS				4	X	X	X	X	X				
		SS				4	X	X	X	X	X				
		SS				4	X	X	X	X	X				
		SS				4	X	X	X	X	X				
		SS				4	X	X	X	X	X				
		SS				4	X	X	X	X	X				
		SS				4	X	X	X	X	X				

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: **SPLP/TCLP on hold**

Samples returned via: ___ UPS ___ FedEx ___ Courier

Tracking # **7155 0298 3363**

pH ___ Temp ___
 Flow ___ Other ___

Sample Receipt Checklist

Original Present/Intact: Y N
 Clean/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)
CP

Date: **1/12/24**
 Time: **1710**

Received by: (Signature)

Trip Blank Received: Yes No
 HCL/MeOH
 TBR

Relinquished by: (Signature)

Date: _____
 Time: _____

Received by: (Signature)

Temp: **14.0** °C
 Bottles Received: **1**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: _____
 Time: _____

Received for lab by: (Signature)
[Signature]

Date: **1-13-24**
 Time: **9:00**

Hold: _____
 Condition: **NCF / OK**



MT JULIET, TN
 12065 Lebanon Rd Mount Juliet, TN 37122
 Submitting a sample to this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

SDG # **1696435**

Table #

Acctnum: **SMERLNC**
 Template: **T243915**

Prelogin: **P1044755**
 PM: **034 - Craig Cothron**

PB:
 Shipped Via: **FedEX Ground**

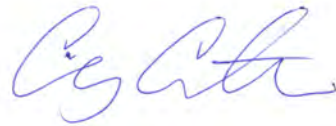
Remarks Sample # (lab only)

S&ME Inc. - Raleigh NC

Sample Delivery Group: L1696462
Samples Received: 01/13/2024
Project Number: 23050630
Description: Northgate Park

Report To: Mr. Jerry Paul
3201 Spring Forest Road
Raleigh, NC 27616

Entire Report Reviewed By:



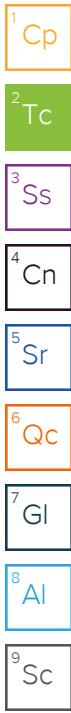
Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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Sc: Sample Chain of Custody	37



SAMPLE SUMMARY

825-SB-52 L1696462-01 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 15:05
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209036	1	01/19/24 07:29	01/19/24 07:38	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209357	1	01/19/24 13:30	01/23/24 22:57	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209301	1	01/19/24 12:49	01/20/24 14:13	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	5	01/19/24 13:35	01/31/24 17:43	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208733	1	01/12/24 15:05	01/18/24 15:58	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208875	1	01/18/24 19:05	01/20/24 04:39	ALM	Mt. Juliet, TN



825-SB-53 L1696462-02 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 15:10
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209036	1	01/19/24 07:29	01/19/24 07:38	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209357	1	01/19/24 13:30	01/23/24 23:03	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209301	1	01/19/24 12:49	01/20/24 14:01	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	25	01/19/24 13:35	01/31/24 17:49	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	5	01/19/24 13:35	01/31/24 17:46	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208733	1.1	01/12/24 15:10	01/18/24 16:19	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208875	1	01/18/24 19:05	01/20/24 05:03	ALM	Mt. Juliet, TN

825-SB-54 L1696462-03 Solid

Collected by Chelsea Parra
 Collected date/time 01/12/24 15:15
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209036	1	01/19/24 07:29	01/19/24 07:38	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209357	1	01/19/24 13:30	01/23/24 23:09	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209301	1	01/19/24 12:49	01/20/24 14:15	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	5	01/19/24 13:35	01/31/24 17:52	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209280	50	01/19/24 13:35	01/31/24 17:56	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208733	1	01/12/24 15:15	01/18/24 16:39	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2208875	1	01/18/24 19:05	01/24/24 19:30	AMS	Mt. Juliet, TN

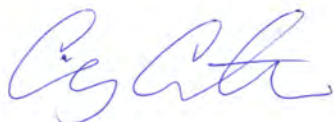
TRIP BLANK L1696462-04 GW

Collected by Chelsea Parra
 Collected date/time 01/12/24 00:00
 Received date/time 01/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2208589	1	01/18/24 11:02	01/18/24 11:02	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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	68.6		1	01/19/2024 07:38	WG2209036

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.46	1	01/23/2024 22:57	WG2209357

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0583	1	01/20/2024 14:13	WG2209301

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.37	5	01/31/2024 17:43	WG2209280
Arsenic	ND		1.46	5	01/31/2024 17:43	WG2209280
Barium	84.2		3.64	5	01/31/2024 17:43	WG2209280
Beryllium	ND		3.64	5	01/31/2024 17:43	WG2209280
Cadmium	2.12		1.46	5	01/31/2024 17:43	WG2209280
Chromium	11.3		7.29	5	01/31/2024 17:43	WG2209280
Cobalt	4.52		1.46	5	01/31/2024 17:43	WG2209280
Copper	9.38		7.29	5	01/31/2024 17:43	WG2209280
Lead	23.8		2.91	5	01/31/2024 17:43	WG2209280
Manganese	205		3.64	5	01/31/2024 17:43	WG2209280
Nickel	7.09		3.64	5	01/31/2024 17:43	WG2209280
Selenium	ND		3.64	5	01/31/2024 17:43	WG2209280
Silver	ND		0.729	5	01/31/2024 17:43	WG2209280
Thallium	ND		2.91	5	01/31/2024 17:43	WG2209280
Vanadium	14.4		3.64	5	01/31/2024 17:43	WG2209280
Zinc	75.5		36.4	5	01/31/2024 17:43	WG2209280

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0982	1	01/18/2024 15:58	WG2208733
Acrylonitrile	ND		0.0246	1	01/18/2024 15:58	WG2208733
Benzene	ND		0.00196	1	01/18/2024 15:58	WG2208733
Bromobenzene	ND		0.0246	1	01/18/2024 15:58	WG2208733
Bromodichloromethane	ND	J4	0.00491	1	01/18/2024 15:58	WG2208733
Bromoform	ND		0.0491	1	01/18/2024 15:58	WG2208733
Bromomethane	ND		0.0246	1	01/18/2024 15:58	WG2208733
n-Butylbenzene	ND		0.0246	1	01/18/2024 15:58	WG2208733
sec-Butylbenzene	ND		0.0246	1	01/18/2024 15:58	WG2208733
tert-Butylbenzene	ND		0.00982	1	01/18/2024 15:58	WG2208733
Carbon tetrachloride	ND		0.00982	1	01/18/2024 15:58	WG2208733
Chlorobenzene	ND		0.00491	1	01/18/2024 15:58	WG2208733
Chlorodibromomethane	ND		0.00491	1	01/18/2024 15:58	WG2208733
Chloroethane	ND		0.00982	1	01/18/2024 15:58	WG2208733
Chloroform	ND		0.00491	1	01/18/2024 15:58	WG2208733
Chloromethane	ND		0.0246	1	01/18/2024 15:58	WG2208733
2-Chlorotoluene	ND		0.00491	1	01/18/2024 15:58	WG2208733
4-Chlorotoluene	ND		0.00982	1	01/18/2024 15:58	WG2208733
1,2-Dibromo-3-Chloropropane	ND		0.0491	1	01/18/2024 15:58	WG2208733

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00491	1	01/18/2024 15:58	WG2208733
Dibromomethane	ND		0.00982	1	01/18/2024 15:58	WG2208733
1,2-Dichlorobenzene	ND		0.00982	1	01/18/2024 15:58	WG2208733
1,3-Dichlorobenzene	ND		0.00982	1	01/18/2024 15:58	WG2208733
1,4-Dichlorobenzene	ND		0.00982	1	01/18/2024 15:58	WG2208733
Dichlorodifluoromethane	ND		0.00982	1	01/18/2024 15:58	WG2208733
1,1-Dichloroethane	ND		0.00491	1	01/18/2024 15:58	WG2208733
1,2-Dichloroethane	ND		0.00491	1	01/18/2024 15:58	WG2208733
1,1-Dichloroethene	ND		0.00491	1	01/18/2024 15:58	WG2208733
cis-1,2-Dichloroethene	ND		0.00491	1	01/18/2024 15:58	WG2208733
trans-1,2-Dichloroethene	ND		0.00982	1	01/18/2024 15:58	WG2208733
1,2-Dichloropropane	ND		0.00982	1	01/18/2024 15:58	WG2208733
1,1-Dichloropropene	ND		0.00491	1	01/18/2024 15:58	WG2208733
1,3-Dichloropropane	ND		0.00982	1	01/18/2024 15:58	WG2208733
cis-1,3-Dichloropropene	ND		0.00491	1	01/18/2024 15:58	WG2208733
trans-1,3-Dichloropropene	ND		0.00982	1	01/18/2024 15:58	WG2208733
2,2-Dichloropropane	ND		0.00491	1	01/18/2024 15:58	WG2208733
Di-isopropyl ether	ND		0.00196	1	01/18/2024 15:58	WG2208733
Ethylbenzene	ND		0.00491	1	01/18/2024 15:58	WG2208733
Hexachloro-1,3-butadiene	ND		0.0491	1	01/18/2024 15:58	WG2208733
Isopropylbenzene	ND		0.00491	1	01/18/2024 15:58	WG2208733
p-Isopropyltoluene	ND		0.00982	1	01/18/2024 15:58	WG2208733
2-Butanone (MEK)	ND		0.196	1	01/18/2024 15:58	WG2208733
Methylene Chloride	ND		0.0491	1	01/18/2024 15:58	WG2208733
4-Methyl-2-pentanone (MIBK)	ND		0.0491	1	01/18/2024 15:58	WG2208733
Methyl tert-butyl ether	ND		0.00196	1	01/18/2024 15:58	WG2208733
Naphthalene	ND		0.0246	1	01/18/2024 15:58	WG2208733
n-Propylbenzene	ND		0.00982	1	01/18/2024 15:58	WG2208733
Styrene	ND		0.0246	1	01/18/2024 15:58	WG2208733
1,1,1,2-Tetrachloroethane	ND		0.00491	1	01/18/2024 15:58	WG2208733
1,1,2,2-Tetrachloroethane	ND		0.00491	1	01/18/2024 15:58	WG2208733
Tetrachloroethene	ND		0.00491	1	01/18/2024 15:58	WG2208733
Toluene	ND		0.00982	1	01/18/2024 15:58	WG2208733
1,2,3-Trichlorobenzene	ND		0.0246	1	01/18/2024 15:58	WG2208733
1,2,4-Trichlorobenzene	ND		0.0246	1	01/18/2024 15:58	WG2208733
1,1,1-Trichloroethane	ND		0.00491	1	01/18/2024 15:58	WG2208733
1,1,2-Trichloroethane	ND		0.00491	1	01/18/2024 15:58	WG2208733
Trichloroethene	ND		0.00196	1	01/18/2024 15:58	WG2208733
Trichlorofluoromethane	ND		0.00491	1	01/18/2024 15:58	WG2208733
1,2,3-Trichloropropane	ND		0.0246	1	01/18/2024 15:58	WG2208733
1,2,4-Trimethylbenzene	ND		0.00982	1	01/18/2024 15:58	WG2208733
1,3,5-Trimethylbenzene	ND		0.00982	1	01/18/2024 15:58	WG2208733
Vinyl chloride	ND		0.00491	1	01/18/2024 15:58	WG2208733
Xylenes, Total	ND		0.0128	1	01/18/2024 15:58	WG2208733
(S) Toluene-d8	95.5		75.0-131		01/18/2024 15:58	WG2208733
(S) 4-Bromofluorobenzene	97.6		67.0-138		01/18/2024 15:58	WG2208733
(S) 1,2-Dichloroethane-d4	92.8		70.0-130		01/18/2024 15:58	WG2208733

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0485	1	01/20/2024 04:39	WG2208875
Acenaphthylene	ND		0.0485	1	01/20/2024 04:39	WG2208875
Anthracene	ND		0.0485	1	01/20/2024 04:39	WG2208875
Benzidine	ND		2.43	1	01/20/2024 04:39	WG2208875
Benzo(a)anthracene	0.0577		0.0485	1	01/20/2024 04:39	WG2208875

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.115		0.0485	1	01/20/2024 04:39	WG2208875
Benzo(k)fluoranthene	ND		0.0485	1	01/20/2024 04:39	WG2208875
Benzo(g,h,i)perylene	0.0649		0.0485	1	01/20/2024 04:39	WG2208875
Benzo(a)pyrene	0.0743		0.0485	1	01/20/2024 04:39	WG2208875
Bis(2-chloroethoxy)methane	ND		0.485	1	01/20/2024 04:39	WG2208875
Bis(2-chloroethyl)ether	ND		0.485	1	01/20/2024 04:39	WG2208875
2,2-Oxybis(1-Chloropropane)	ND		0.485	1	01/20/2024 04:39	WG2208875
4-Bromophenyl-phenylether	ND		0.485	1	01/20/2024 04:39	WG2208875
2-Chloronaphthalene	ND		0.0485	1	01/20/2024 04:39	WG2208875
4-Chlorophenyl-phenylether	ND		0.485	1	01/20/2024 04:39	WG2208875
Chrysene	0.0848		0.0485	1	01/20/2024 04:39	WG2208875
Dibenz(a,h)anthracene	ND		0.0485	1	01/20/2024 04:39	WG2208875
3,3-Dichlorobenzidine	ND		0.485	1	01/20/2024 04:39	WG2208875
2,4-Dinitrotoluene	ND		0.485	1	01/20/2024 04:39	WG2208875
2,6-Dinitrotoluene	ND		0.485	1	01/20/2024 04:39	WG2208875
Fluoranthene	0.147		0.0485	1	01/20/2024 04:39	WG2208875
Fluorene	ND		0.0485	1	01/20/2024 04:39	WG2208875
Hexachlorobenzene	ND		0.485	1	01/20/2024 04:39	WG2208875
Hexachloro-1,3-butadiene	ND		0.485	1	01/20/2024 04:39	WG2208875
Hexachlorocyclopentadiene	ND		0.485	1	01/20/2024 04:39	WG2208875
Hexachloroethane	ND		0.485	1	01/20/2024 04:39	WG2208875
Indeno(1,2,3-cd)pyrene	0.0651		0.0485	1	01/20/2024 04:39	WG2208875
Isophorone	ND		0.485	1	01/20/2024 04:39	WG2208875
Naphthalene	ND		0.0485	1	01/20/2024 04:39	WG2208875
Nitrobenzene	ND		0.485	1	01/20/2024 04:39	WG2208875
n-Nitrosodimethylamine	ND		0.485	1	01/20/2024 04:39	WG2208875
n-Nitrosodiphenylamine	ND		0.485	1	01/20/2024 04:39	WG2208875
n-Nitrosodi-n-propylamine	ND		0.485	1	01/20/2024 04:39	WG2208875
Phenanthrene	0.0487		0.0485	1	01/20/2024 04:39	WG2208875
Benzylbutyl phthalate	ND		0.485	1	01/20/2024 04:39	WG2208875
Bis(2-ethylhexyl)phthalate	ND		0.485	1	01/20/2024 04:39	WG2208875
Di-n-butyl phthalate	ND		0.485	1	01/20/2024 04:39	WG2208875
Diethyl phthalate	ND		0.485	1	01/20/2024 04:39	WG2208875
Dimethyl phthalate	ND		0.485	1	01/20/2024 04:39	WG2208875
Di-n-octyl phthalate	ND		0.485	1	01/20/2024 04:39	WG2208875
Pyrene	0.134		0.0485	1	01/20/2024 04:39	WG2208875
1,2,4-Trichlorobenzene	ND		0.485	1	01/20/2024 04:39	WG2208875
4-Chloro-3-methylphenol	ND		0.485	1	01/20/2024 04:39	WG2208875
2-Chlorophenol	ND		0.485	1	01/20/2024 04:39	WG2208875
2,4-Dichlorophenol	ND		0.485	1	01/20/2024 04:39	WG2208875
2,4-Dimethylphenol	ND		0.485	1	01/20/2024 04:39	WG2208875
4,6-Dinitro-2-methylphenol	ND		0.485	1	01/20/2024 04:39	WG2208875
2,4-Dinitrophenol	ND		0.485	1	01/20/2024 04:39	WG2208875
2-Nitrophenol	ND		0.485	1	01/20/2024 04:39	WG2208875
4-Nitrophenol	ND		0.485	1	01/20/2024 04:39	WG2208875
Pentachlorophenol	ND		0.485	1	01/20/2024 04:39	WG2208875
Phenol	ND		0.485	1	01/20/2024 04:39	WG2208875
2,4,6-Trichlorophenol	ND		0.485	1	01/20/2024 04:39	WG2208875
(S) 2-Fluorophenol	66.5		12.0-120		01/20/2024 04:39	WG2208875
(S) Phenol-d5	61.9		10.0-120		01/20/2024 04:39	WG2208875
(S) Nitrobenzene-d5	72.1		10.0-122		01/20/2024 04:39	WG2208875
(S) 2-Fluorobiphenyl	67.6		15.0-120		01/20/2024 04:39	WG2208875
(S) 2,4,6-Tribromophenol	70.0		10.0-127		01/20/2024 04:39	WG2208875
(S) p-Terphenyl-d14	74.3		10.0-120		01/20/2024 04:39	WG2208875

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.9		1	01/19/2024 07:38	WG2209036

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.22	1	01/23/2024 23:03	WG2209357

Mercury by Method 7471B

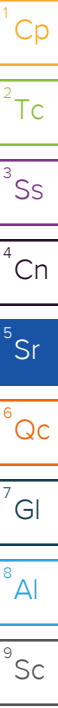
Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0488	1	01/20/2024 14:01	WG2209301

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.66	5	01/31/2024 17:46	WG2209280
Arsenic	1.86		1.22	5	01/31/2024 17:46	WG2209280
Barium	35.9		3.05	5	01/31/2024 17:46	WG2209280
Beryllium	ND		3.05	5	01/31/2024 17:46	WG2209280
Cadmium	ND		1.22	5	01/31/2024 17:46	WG2209280
Chromium	27.6		6.10	5	01/31/2024 17:46	WG2209280
Cobalt	6.43		1.22	5	01/31/2024 17:46	WG2209280
Copper	8.36		6.10	5	01/31/2024 17:46	WG2209280
Lead	16.4		2.44	5	01/31/2024 17:46	WG2209280
Manganese	258		15.3	25	01/31/2024 17:49	WG2209280
Nickel	11.3		3.05	5	01/31/2024 17:46	WG2209280
Selenium	ND		3.05	5	01/31/2024 17:46	WG2209280
Silver	ND		0.610	5	01/31/2024 17:46	WG2209280
Thallium	ND		2.44	5	01/31/2024 17:46	WG2209280
Vanadium	32.9		3.05	5	01/31/2024 17:46	WG2209280
Zinc	ND		30.5	5	01/31/2024 17:46	WG2209280

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0781	1.1	01/18/2024 16:19	WG2208733
Acrylonitrile	ND		0.0196	1.1	01/18/2024 16:19	WG2208733
Benzene	ND		0.00156	1.1	01/18/2024 16:19	WG2208733
Bromobenzene	ND		0.0196	1.1	01/18/2024 16:19	WG2208733
Bromodichloromethane	ND	J4	0.00391	1.1	01/18/2024 16:19	WG2208733
Bromoform	ND		0.0391	1.1	01/18/2024 16:19	WG2208733
Bromomethane	ND		0.0196	1.1	01/18/2024 16:19	WG2208733
n-Butylbenzene	ND		0.0196	1.1	01/18/2024 16:19	WG2208733
sec-Butylbenzene	ND		0.0196	1.1	01/18/2024 16:19	WG2208733
tert-Butylbenzene	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
Carbon tetrachloride	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
Chlorobenzene	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
Chlorodibromomethane	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
Chloroethane	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
Chloroform	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
Chloromethane	ND		0.0196	1.1	01/18/2024 16:19	WG2208733
2-Chlorotoluene	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
4-Chlorotoluene	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
1,2-Dibromo-3-Chloropropane	ND		0.0391	1.1	01/18/2024 16:19	WG2208733



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
Dibromomethane	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
1,2-Dichlorobenzene	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
1,3-Dichlorobenzene	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
1,4-Dichlorobenzene	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
Dichlorodifluoromethane	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
1,1-Dichloroethane	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
1,2-Dichloroethane	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
1,1-Dichloroethene	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
cis-1,2-Dichloroethene	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
trans-1,2-Dichloroethene	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
1,2-Dichloropropane	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
1,1-Dichloropropene	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
1,3-Dichloropropane	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
cis-1,3-Dichloropropene	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
trans-1,3-Dichloropropene	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
2,2-Dichloropropane	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
Di-isopropyl ether	ND		0.00156	1.1	01/18/2024 16:19	WG2208733
Ethylbenzene	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
Hexachloro-1,3-butadiene	ND		0.0391	1.1	01/18/2024 16:19	WG2208733
Isopropylbenzene	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
p-Isopropyltoluene	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
2-Butanone (MEK)	ND		0.156	1.1	01/18/2024 16:19	WG2208733
Methylene Chloride	ND		0.0391	1.1	01/18/2024 16:19	WG2208733
4-Methyl-2-pentanone (MIBK)	ND		0.0391	1.1	01/18/2024 16:19	WG2208733
Methyl tert-butyl ether	ND		0.00156	1.1	01/18/2024 16:19	WG2208733
Naphthalene	ND		0.0196	1.1	01/18/2024 16:19	WG2208733
n-Propylbenzene	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
Styrene	ND		0.0196	1.1	01/18/2024 16:19	WG2208733
1,1,1,2-Tetrachloroethane	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
1,1,2,2-Tetrachloroethane	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
Tetrachloroethene	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
Toluene	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
1,2,3-Trichlorobenzene	ND		0.0196	1.1	01/18/2024 16:19	WG2208733
1,2,4-Trichlorobenzene	ND		0.0196	1.1	01/18/2024 16:19	WG2208733
1,1,1-Trichloroethane	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
1,1,2-Trichloroethane	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
Trichloroethene	ND		0.00156	1.1	01/18/2024 16:19	WG2208733
Trichlorofluoromethane	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
1,2,3-Trichloropropane	ND		0.0196	1.1	01/18/2024 16:19	WG2208733
1,2,4-Trimethylbenzene	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
1,3,5-Trimethylbenzene	ND		0.00781	1.1	01/18/2024 16:19	WG2208733
Vinyl chloride	ND		0.00391	1.1	01/18/2024 16:19	WG2208733
Xylenes, Total	ND		0.0102	1.1	01/18/2024 16:19	WG2208733
(S) Toluene-d8	98.4		75.0-131		01/18/2024 16:19	WG2208733
(S) 4-Bromofluorobenzene	101		67.0-138		01/18/2024 16:19	WG2208733
(S) 1,2-Dichloroethane-d4	97.1		70.0-130		01/18/2024 16:19	WG2208733

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0406	1	01/20/2024 05:03	WG2208875
Acenaphthylene	ND		0.0406	1	01/20/2024 05:03	WG2208875
Anthracene	ND		0.0406	1	01/20/2024 05:03	WG2208875
Benzidine	ND		2.04	1	01/20/2024 05:03	WG2208875
Benzo(a)anthracene	0.167		0.0406	1	01/20/2024 05:03	WG2208875

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.215		0.0406	1	01/20/2024 05:03	WG2208875
Benzo(k)fluoranthene	0.0662		0.0406	1	01/20/2024 05:03	WG2208875
Benzo(g,h,i)perylene	0.0981		0.0406	1	01/20/2024 05:03	WG2208875
Benzo(a)pyrene	0.165		0.0406	1	01/20/2024 05:03	WG2208875
Bis(2-chloroethoxy)methane	ND		0.406	1	01/20/2024 05:03	WG2208875
Bis(2-chloroethyl)ether	ND		0.406	1	01/20/2024 05:03	WG2208875
2,2-Oxybis(1-Chloropropane)	ND		0.406	1	01/20/2024 05:03	WG2208875
4-Bromophenyl-phenylether	ND		0.406	1	01/20/2024 05:03	WG2208875
2-Chloronaphthalene	ND		0.0406	1	01/20/2024 05:03	WG2208875
4-Chlorophenyl-phenylether	ND		0.406	1	01/20/2024 05:03	WG2208875
Chrysene	0.186		0.0406	1	01/20/2024 05:03	WG2208875
Dibenz(a,h)anthracene	ND		0.0406	1	01/20/2024 05:03	WG2208875
3,3-Dichlorobenzidine	ND		0.406	1	01/20/2024 05:03	WG2208875
2,4-Dinitrotoluene	ND		0.406	1	01/20/2024 05:03	WG2208875
2,6-Dinitrotoluene	ND		0.406	1	01/20/2024 05:03	WG2208875
Fluoranthene	0.338		0.0406	1	01/20/2024 05:03	WG2208875
Fluorene	ND		0.0406	1	01/20/2024 05:03	WG2208875
Hexachlorobenzene	ND		0.406	1	01/20/2024 05:03	WG2208875
Hexachloro-1,3-butadiene	ND		0.406	1	01/20/2024 05:03	WG2208875
Hexachlorocyclopentadiene	ND		0.406	1	01/20/2024 05:03	WG2208875
Hexachloroethane	ND		0.406	1	01/20/2024 05:03	WG2208875
Indeno(1,2,3-cd)pyrene	0.106		0.0406	1	01/20/2024 05:03	WG2208875
Isophorone	ND		0.406	1	01/20/2024 05:03	WG2208875
Naphthalene	ND		0.0406	1	01/20/2024 05:03	WG2208875
Nitrobenzene	ND		0.406	1	01/20/2024 05:03	WG2208875
n-Nitrosodimethylamine	ND		0.406	1	01/20/2024 05:03	WG2208875
n-Nitrosodiphenylamine	ND		0.406	1	01/20/2024 05:03	WG2208875
n-Nitrosodi-n-propylamine	ND		0.406	1	01/20/2024 05:03	WG2208875
Phenanthrene	0.212		0.0406	1	01/20/2024 05:03	WG2208875
Benzylbutyl phthalate	ND		0.406	1	01/20/2024 05:03	WG2208875
Bis(2-ethylhexyl)phthalate	ND		0.406	1	01/20/2024 05:03	WG2208875
Di-n-butyl phthalate	ND		0.406	1	01/20/2024 05:03	WG2208875
Diethyl phthalate	ND		0.406	1	01/20/2024 05:03	WG2208875
Dimethyl phthalate	ND		0.406	1	01/20/2024 05:03	WG2208875
Di-n-octyl phthalate	ND		0.406	1	01/20/2024 05:03	WG2208875
Pyrene	0.363		0.0406	1	01/20/2024 05:03	WG2208875
1,2,4-Trichlorobenzene	ND		0.406	1	01/20/2024 05:03	WG2208875
4-Chloro-3-methylphenol	ND		0.406	1	01/20/2024 05:03	WG2208875
2-Chlorophenol	ND		0.406	1	01/20/2024 05:03	WG2208875
2,4-Dichlorophenol	ND		0.406	1	01/20/2024 05:03	WG2208875
2,4-Dimethylphenol	ND		0.406	1	01/20/2024 05:03	WG2208875
4,6-Dinitro-2-methylphenol	ND		0.406	1	01/20/2024 05:03	WG2208875
2,4-Dinitrophenol	ND		0.406	1	01/20/2024 05:03	WG2208875
2-Nitrophenol	ND		0.406	1	01/20/2024 05:03	WG2208875
4-Nitrophenol	ND		0.406	1	01/20/2024 05:03	WG2208875
Pentachlorophenol	ND		0.406	1	01/20/2024 05:03	WG2208875
Phenol	ND		0.406	1	01/20/2024 05:03	WG2208875
2,4,6-Trichlorophenol	ND		0.406	1	01/20/2024 05:03	WG2208875
(S) 2-Fluorophenol	73.0		12.0-120		01/20/2024 05:03	WG2208875
(S) Phenol-d5	68.9		10.0-120		01/20/2024 05:03	WG2208875
(S) Nitrobenzene-d5	80.5		10.0-122		01/20/2024 05:03	WG2208875
(S) 2-Fluorobiphenyl	72.3		15.0-120		01/20/2024 05:03	WG2208875
(S) 2,4,6-Tribromophenol	75.8		10.0-127		01/20/2024 05:03	WG2208875
(S) p-Terphenyl-d14	82.6		10.0-120		01/20/2024 05:03	WG2208875

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.8		1	01/19/2024 07:38	WG2209036

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND	J3 J6	1.27	1	01/23/2024 23:09	WG2209357

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0507	1	01/20/2024 14:15	WG2209301

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.81	5	01/31/2024 17:52	WG2209280
Arsenic	2.07		1.27	5	01/31/2024 17:52	WG2209280
Barium	102		3.17	5	01/31/2024 17:52	WG2209280
Beryllium	ND		3.17	5	01/31/2024 17:52	WG2209280
Cadmium	ND		1.27	5	01/31/2024 17:52	WG2209280
Chromium	36.3		6.34	5	01/31/2024 17:52	WG2209280
Cobalt	23.1		1.27	5	01/31/2024 17:52	WG2209280
Copper	31.2		6.34	5	01/31/2024 17:52	WG2209280
Lead	17.6		2.54	5	01/31/2024 17:52	WG2209280
Manganese	790		31.7	50	01/31/2024 17:56	WG2209280
Nickel	63.6		3.17	5	01/31/2024 17:52	WG2209280
Selenium	ND		3.17	5	01/31/2024 17:52	WG2209280
Silver	ND		0.634	5	01/31/2024 17:52	WG2209280
Thallium	ND		2.54	5	01/31/2024 17:52	WG2209280
Vanadium	39.4		3.17	5	01/31/2024 17:52	WG2209280
Zinc	46.6		31.7	5	01/31/2024 17:52	WG2209280

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0778	1	01/18/2024 16:39	WG2208733
Acrylonitrile	ND		0.0195	1	01/18/2024 16:39	WG2208733
Benzene	ND		0.00156	1	01/18/2024 16:39	WG2208733
Bromobenzene	ND		0.0195	1	01/18/2024 16:39	WG2208733
Bromodichloromethane	ND	J4	0.00389	1	01/18/2024 16:39	WG2208733
Bromoform	ND		0.0389	1	01/18/2024 16:39	WG2208733
Bromomethane	ND		0.0195	1	01/18/2024 16:39	WG2208733
n-Butylbenzene	ND		0.0195	1	01/18/2024 16:39	WG2208733
sec-Butylbenzene	ND		0.0195	1	01/18/2024 16:39	WG2208733
tert-Butylbenzene	ND		0.00778	1	01/18/2024 16:39	WG2208733
Carbon tetrachloride	ND		0.00778	1	01/18/2024 16:39	WG2208733
Chlorobenzene	ND		0.00389	1	01/18/2024 16:39	WG2208733
Chlorodibromomethane	ND		0.00389	1	01/18/2024 16:39	WG2208733
Chloroethane	ND		0.00778	1	01/18/2024 16:39	WG2208733
Chloroform	ND		0.00389	1	01/18/2024 16:39	WG2208733
Chloromethane	ND		0.0195	1	01/18/2024 16:39	WG2208733
2-Chlorotoluene	ND		0.00389	1	01/18/2024 16:39	WG2208733
4-Chlorotoluene	ND		0.00778	1	01/18/2024 16:39	WG2208733
1,2-Dibromo-3-Chloropropane	ND		0.0389	1	01/18/2024 16:39	WG2208733

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		0.00389	1	01/18/2024 16:39	WG2208733
Dibromomethane	ND		0.00778	1	01/18/2024 16:39	WG2208733
1,2-Dichlorobenzene	ND		0.00778	1	01/18/2024 16:39	WG2208733
1,3-Dichlorobenzene	ND		0.00778	1	01/18/2024 16:39	WG2208733
1,4-Dichlorobenzene	ND		0.00778	1	01/18/2024 16:39	WG2208733
Dichlorodifluoromethane	ND		0.00778	1	01/18/2024 16:39	WG2208733
1,1-Dichloroethane	ND		0.00389	1	01/18/2024 16:39	WG2208733
1,2-Dichloroethane	ND		0.00389	1	01/18/2024 16:39	WG2208733
1,1-Dichloroethene	ND		0.00389	1	01/18/2024 16:39	WG2208733
cis-1,2-Dichloroethene	ND		0.00389	1	01/18/2024 16:39	WG2208733
trans-1,2-Dichloroethene	ND		0.00778	1	01/18/2024 16:39	WG2208733
1,2-Dichloropropane	ND		0.00778	1	01/18/2024 16:39	WG2208733
1,1-Dichloropropene	ND		0.00389	1	01/18/2024 16:39	WG2208733
1,3-Dichloropropane	ND		0.00778	1	01/18/2024 16:39	WG2208733
cis-1,3-Dichloropropene	ND		0.00389	1	01/18/2024 16:39	WG2208733
trans-1,3-Dichloropropene	ND		0.00778	1	01/18/2024 16:39	WG2208733
2,2-Dichloropropane	ND		0.00389	1	01/18/2024 16:39	WG2208733
Di-isopropyl ether	ND		0.00156	1	01/18/2024 16:39	WG2208733
Ethylbenzene	ND		0.00389	1	01/18/2024 16:39	WG2208733
Hexachloro-1,3-butadiene	ND		0.0389	1	01/18/2024 16:39	WG2208733
Isopropylbenzene	ND		0.00389	1	01/18/2024 16:39	WG2208733
p-Isopropyltoluene	ND		0.00778	1	01/18/2024 16:39	WG2208733
2-Butanone (MEK)	ND		0.156	1	01/18/2024 16:39	WG2208733
Methylene Chloride	ND		0.0389	1	01/18/2024 16:39	WG2208733
4-Methyl-2-pentanone (MIBK)	ND		0.0389	1	01/18/2024 16:39	WG2208733
Methyl tert-butyl ether	ND		0.00156	1	01/18/2024 16:39	WG2208733
Naphthalene	ND		0.0195	1	01/18/2024 16:39	WG2208733
n-Propylbenzene	ND		0.00778	1	01/18/2024 16:39	WG2208733
Styrene	ND		0.0195	1	01/18/2024 16:39	WG2208733
1,1,1,2-Tetrachloroethane	ND		0.00389	1	01/18/2024 16:39	WG2208733
1,1,2,2-Tetrachloroethane	ND		0.00389	1	01/18/2024 16:39	WG2208733
Tetrachloroethene	ND		0.00389	1	01/18/2024 16:39	WG2208733
Toluene	ND		0.00778	1	01/18/2024 16:39	WG2208733
1,2,3-Trichlorobenzene	ND		0.0195	1	01/18/2024 16:39	WG2208733
1,2,4-Trichlorobenzene	ND		0.0195	1	01/18/2024 16:39	WG2208733
1,1,1-Trichloroethane	ND		0.00389	1	01/18/2024 16:39	WG2208733
1,1,2-Trichloroethane	ND		0.00389	1	01/18/2024 16:39	WG2208733
Trichloroethene	ND		0.00156	1	01/18/2024 16:39	WG2208733
Trichlorofluoromethane	ND		0.00389	1	01/18/2024 16:39	WG2208733
1,2,3-Trichloropropane	ND		0.0195	1	01/18/2024 16:39	WG2208733
1,2,4-Trimethylbenzene	ND		0.00778	1	01/18/2024 16:39	WG2208733
1,3,5-Trimethylbenzene	ND		0.00778	1	01/18/2024 16:39	WG2208733
Vinyl chloride	ND		0.00389	1	01/18/2024 16:39	WG2208733
Xylenes, Total	ND		0.0101	1	01/18/2024 16:39	WG2208733
(S) Toluene-d8	97.8		75.0-131		01/18/2024 16:39	WG2208733
(S) 4-Bromofluorobenzene	101		67.0-138		01/18/2024 16:39	WG2208733
(S) 1,2-Dichloroethane-d4	98.5		70.0-130		01/18/2024 16:39	WG2208733

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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		0.0422	1	01/24/2024 19:30	WG2208875
Acenaphthylene	ND		0.0422	1	01/24/2024 19:30	WG2208875
Anthracene	ND		0.0422	1	01/24/2024 19:30	WG2208875
Benzidine	ND		2.12	1	01/24/2024 19:30	WG2208875
Benzo(a)anthracene	0.0483		0.0422	1	01/24/2024 19:30	WG2208875

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(b)fluoranthene	0.0783		0.0422	1	01/24/2024 19:30	WG2208875
Benzo(k)fluoranthene	ND		0.0422	1	01/24/2024 19:30	WG2208875
Benzo(g,h,i)perylene	ND		0.0422	1	01/24/2024 19:30	WG2208875
Benzo(a)pyrene	0.0547		0.0422	1	01/24/2024 19:30	WG2208875
Bis(2-chloroethoxy)methane	ND		0.422	1	01/24/2024 19:30	WG2208875
Bis(2-chloroethyl)ether	ND		0.422	1	01/24/2024 19:30	WG2208875
2,2-Oxybis(1-Chloropropane)	ND		0.422	1	01/24/2024 19:30	WG2208875
4-Bromophenyl-phenylether	ND		0.422	1	01/24/2024 19:30	WG2208875
2-Chloronaphthalene	ND		0.0422	1	01/24/2024 19:30	WG2208875
4-Chlorophenyl-phenylether	ND		0.422	1	01/24/2024 19:30	WG2208875
Chrysene	0.0450		0.0422	1	01/24/2024 19:30	WG2208875
Dibenz(a,h)anthracene	ND		0.0422	1	01/24/2024 19:30	WG2208875
3,3-Dichlorobenzidine	ND		0.422	1	01/24/2024 19:30	WG2208875
2,4-Dinitrotoluene	ND		0.422	1	01/24/2024 19:30	WG2208875
2,6-Dinitrotoluene	ND		0.422	1	01/24/2024 19:30	WG2208875
Fluoranthene	0.0992		0.0422	1	01/24/2024 19:30	WG2208875
Fluorene	ND		0.0422	1	01/24/2024 19:30	WG2208875
Hexachlorobenzene	ND		0.422	1	01/24/2024 19:30	WG2208875
Hexachloro-1,3-butadiene	ND		0.422	1	01/24/2024 19:30	WG2208875
Hexachlorocyclopentadiene	ND		0.422	1	01/24/2024 19:30	WG2208875
Hexachloroethane	ND		0.422	1	01/24/2024 19:30	WG2208875
Indeno(1,2,3-cd)pyrene	ND		0.0422	1	01/24/2024 19:30	WG2208875
Isophorone	ND		0.422	1	01/24/2024 19:30	WG2208875
Naphthalene	ND		0.0422	1	01/24/2024 19:30	WG2208875
Nitrobenzene	ND		0.422	1	01/24/2024 19:30	WG2208875
n-Nitrosodimethylamine	ND		0.422	1	01/24/2024 19:30	WG2208875
n-Nitrosodiphenylamine	ND		0.422	1	01/24/2024 19:30	WG2208875
n-Nitrosodi-n-propylamine	ND		0.422	1	01/24/2024 19:30	WG2208875
Phenanthrene	0.0510		0.0422	1	01/24/2024 19:30	WG2208875
Benzylbutyl phthalate	ND		0.422	1	01/24/2024 19:30	WG2208875
Bis(2-ethylhexyl)phthalate	ND		0.422	1	01/24/2024 19:30	WG2208875
Di-n-butyl phthalate	ND		0.422	1	01/24/2024 19:30	WG2208875
Diethyl phthalate	ND		0.422	1	01/24/2024 19:30	WG2208875
Dimethyl phthalate	ND		0.422	1	01/24/2024 19:30	WG2208875
Di-n-octyl phthalate	ND		0.422	1	01/24/2024 19:30	WG2208875
Pyrene	0.0964		0.0422	1	01/24/2024 19:30	WG2208875
1,2,4-Trichlorobenzene	ND		0.422	1	01/24/2024 19:30	WG2208875
4-Chloro-3-methylphenol	ND		0.422	1	01/24/2024 19:30	WG2208875
2-Chlorophenol	ND		0.422	1	01/24/2024 19:30	WG2208875
2,4-Dichlorophenol	ND		0.422	1	01/24/2024 19:30	WG2208875
2,4-Dimethylphenol	ND		0.422	1	01/24/2024 19:30	WG2208875
4,6-Dinitro-2-methylphenol	ND		0.422	1	01/24/2024 19:30	WG2208875
2,4-Dinitrophenol	ND		0.422	1	01/24/2024 19:30	WG2208875
2-Nitrophenol	ND		0.422	1	01/24/2024 19:30	WG2208875
4-Nitrophenol	ND		0.422	1	01/24/2024 19:30	WG2208875
Pentachlorophenol	ND		0.422	1	01/24/2024 19:30	WG2208875
Phenol	ND		0.422	1	01/24/2024 19:30	WG2208875
2,4,6-Trichlorophenol	ND		0.422	1	01/24/2024 19:30	WG2208875
(S) 2-Fluorophenol	67.4		12.0-120		01/24/2024 19:30	WG2208875
(S) Phenol-d5	68.1		10.0-120		01/24/2024 19:30	WG2208875
(S) Nitrobenzene-d5	73.5		10.0-122		01/24/2024 19:30	WG2208875
(S) 2-Fluorobiphenyl	69.4		15.0-120		01/24/2024 19:30	WG2208875
(S) 2,4,6-Tribromophenol	70.2		10.0-127		01/24/2024 19:30	WG2208875
(S) p-Terphenyl-d14	72.8		10.0-120		01/24/2024 19:30	WG2208875

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND	C3	50.0	1	01/18/2024 11:02	WG2208589
Acrolein	ND	C3	50.0	1	01/18/2024 11:02	WG2208589
Acrylonitrile	ND	C3	10.0	1	01/18/2024 11:02	WG2208589
Benzene	ND		1.00	1	01/18/2024 11:02	WG2208589
Bromobenzene	ND		1.00	1	01/18/2024 11:02	WG2208589
Bromodichloromethane	ND		1.00	1	01/18/2024 11:02	WG2208589
Bromoform	ND		1.00	1	01/18/2024 11:02	WG2208589
Bromomethane	ND	C3	5.00	1	01/18/2024 11:02	WG2208589
n-Butylbenzene	ND		1.00	1	01/18/2024 11:02	WG2208589
sec-Butylbenzene	ND		1.00	1	01/18/2024 11:02	WG2208589
tert-Butylbenzene	ND		1.00	1	01/18/2024 11:02	WG2208589
Carbon tetrachloride	ND		1.00	1	01/18/2024 11:02	WG2208589
Chlorobenzene	ND		1.00	1	01/18/2024 11:02	WG2208589
Chlorodibromomethane	ND		1.00	1	01/18/2024 11:02	WG2208589
Chloroethane	ND	J3 J4	5.00	1	01/18/2024 11:02	WG2208589
Chloroform	ND		5.00	1	01/18/2024 11:02	WG2208589
Chloromethane	ND	C3	2.50	1	01/18/2024 11:02	WG2208589
2-Chlorotoluene	ND		1.00	1	01/18/2024 11:02	WG2208589
4-Chlorotoluene	ND		1.00	1	01/18/2024 11:02	WG2208589
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/18/2024 11:02	WG2208589
1,2-Dibromoethane	ND		1.00	1	01/18/2024 11:02	WG2208589
Dibromomethane	ND		1.00	1	01/18/2024 11:02	WG2208589
1,2-Dichlorobenzene	ND		1.00	1	01/18/2024 11:02	WG2208589
1,3-Dichlorobenzene	ND		1.00	1	01/18/2024 11:02	WG2208589
1,4-Dichlorobenzene	ND		1.00	1	01/18/2024 11:02	WG2208589
Dichlorodifluoromethane	ND		5.00	1	01/18/2024 11:02	WG2208589
1,1-Dichloroethane	ND		1.00	1	01/18/2024 11:02	WG2208589
1,2-Dichloroethane	ND		1.00	1	01/18/2024 11:02	WG2208589
1,1-Dichloroethene	ND		1.00	1	01/18/2024 11:02	WG2208589
cis-1,2-Dichloroethene	ND		1.00	1	01/18/2024 11:02	WG2208589
trans-1,2-Dichloroethene	ND		1.00	1	01/18/2024 11:02	WG2208589
1,2-Dichloropropane	ND		1.00	1	01/18/2024 11:02	WG2208589
1,1-Dichloropropene	ND		1.00	1	01/18/2024 11:02	WG2208589
1,3-Dichloropropane	ND		1.00	1	01/18/2024 11:02	WG2208589
cis-1,3-Dichloropropene	ND		1.00	1	01/18/2024 11:02	WG2208589
trans-1,3-Dichloropropene	ND		1.00	1	01/18/2024 11:02	WG2208589
2,2-Dichloropropane	ND		1.00	1	01/18/2024 11:02	WG2208589
Di-isopropyl ether	ND		1.00	1	01/18/2024 11:02	WG2208589
Ethylbenzene	ND		1.00	1	01/18/2024 11:02	WG2208589
Hexachloro-1,3-butadiene	ND		1.00	1	01/18/2024 11:02	WG2208589
Isopropylbenzene	ND		1.00	1	01/18/2024 11:02	WG2208589
p-Isopropyltoluene	ND		1.00	1	01/18/2024 11:02	WG2208589
2-Butanone (MEK)	ND		10.0	1	01/18/2024 11:02	WG2208589
Methylene Chloride	ND		5.00	1	01/18/2024 11:02	WG2208589
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/18/2024 11:02	WG2208589
Methyl tert-butyl ether	ND		1.00	1	01/18/2024 11:02	WG2208589
Naphthalene	ND		5.00	1	01/18/2024 11:02	WG2208589
n-Propylbenzene	ND		1.00	1	01/18/2024 11:02	WG2208589
Styrene	ND	C3 J3	1.00	1	01/18/2024 11:02	WG2208589
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/18/2024 11:02	WG2208589
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/18/2024 11:02	WG2208589
Tetrachloroethene	ND		1.00	1	01/18/2024 11:02	WG2208589
Toluene	ND		1.00	1	01/18/2024 11:02	WG2208589
1,2,3-Trichlorobenzene	ND		1.00	1	01/18/2024 11:02	WG2208589
1,2,4-Trichlorobenzene	ND		1.00	1	01/18/2024 11:02	WG2208589
1,1,1-Trichloroethane	ND		1.00	1	01/18/2024 11:02	WG2208589

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	01/18/2024 11:02	WG2208589
Trichloroethene	ND	J4	1.00	1	01/18/2024 11:02	WG2208589
Trichlorofluoromethane	ND	J4	5.00	1	01/18/2024 11:02	WG2208589
1,2,3-Trichloropropane	ND		2.50	1	01/18/2024 11:02	WG2208589
1,2,4-Trimethylbenzene	ND		1.00	1	01/18/2024 11:02	WG2208589
1,3,5-Trimethylbenzene	ND		1.00	1	01/18/2024 11:02	WG2208589
Vinyl chloride	ND		1.00	1	01/18/2024 11:02	WG2208589
Xylenes, Total	ND		3.00	1	01/18/2024 11:02	WG2208589
(S) Toluene-d8	108		80.0-120		01/18/2024 11:02	WG2208589
(S) 4-Bromofluorobenzene	98.6		77.0-126		01/18/2024 11:02	WG2208589
(S) 1,2-Dichloroethane-d4	94.6		70.0-130		01/18/2024 11:02	WG2208589

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

Method Blank (MB)

(MB) R4024482-1 01/19/24 07:38

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

¹Cp

²Tc

³Ss

L1696462-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1696462-01 01/19/24 07:38 • (DUP) R4024482-3 01/19/24 07:38

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	68.6	67.7	1	1.36		10

⁴Cn

⁵Sr

Laboratory Control Sample (LCS)

(LCS) R4024482-2 01/19/24 07:38

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	49.9	99.8	90.0-110	

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4025556-1 01/23/24 22:42

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1696949-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1696949-01 01/24/24 00:29 • (DUP) R4025556-7 01/24/24 00:36

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

L1697092-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1697092-01 01/24/24 01:13 • (DUP) R4025556-8 01/24/24 01:19

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4025556-2 01/23/24 22:50

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	11.0	110	80.0-120	

L1696462-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696462-03 01/23/24 23:09 • (MS) R4025556-4 01/23/24 23:21 • (MSD) R4025556-5 01/23/24 23:28

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	25.4	ND	2.99	1.92	11.8	7.58	1	75.0-125	J6	J3 J6	43.3	20

L1697312-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1697312-01 01/24/24 01:38 • (MS) R4025556-10 01/24/24 01:50 • (MSD) R4025556-11 01/24/24 01:56

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 %
Hexavalent Chromium	21.1	ND	21.7	16.9	103	80.3	1	75.0-125		J3	24.8	20

1 Cp

2 Tc

3 Ss

L1696462-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1696462-03 01/23/24 23:09 • (MS) R4025556-6 01/23/24 23:34

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	807	ND	661	81.9	50	75.0-125	

4 Cn

5 Sr

6 Qc

L1697312-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1697312-01 01/24/24 01:38 • (MS) R4025556-12 01/24/24 02:02

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	675	ND	588	87.0	50	75.0-125	

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024605-1 01/20/24 13:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		0.0180	0.0400

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4024605-2 01/20/24 13:58

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	0.500	0.521	104	80.0-120	

4 Cn

5 Sr

L1696462-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696462-02 01/20/24 14:01 • (MS) R4024605-3 01/20/24 14:03 • (MSD) R4024605-4 01/20/24 14:06

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury	0.610	ND	0.741	0.759	116	119	1	75.0-125			2.40	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4028326-1 01/31/24 12:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	0.311	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	U		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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4028326-2 01/31/24 12:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	91.9	91.9	80.0-120	
Arsenic	100	88.5	88.5	80.0-120	
Barium	100	86.2	86.2	80.0-120	
Beryllium	100	86.9	86.9	80.0-120	
Cadmium	100	89.5	89.5	80.0-120	
Chromium	100	89.2	89.2	80.0-120	
Cobalt	100	91.4	91.4	80.0-120	
Copper	100	88.0	88.0	80.0-120	
Lead	100	86.7	86.7	80.0-120	
Manganese	100	87.7	87.7	80.0-120	
Nickel	100	90.6	90.6	80.0-120	
Selenium	100	88.5	88.5	80.0-120	
Silver	20.0	17.9	89.4	80.0-120	
Thallium	100	86.9	86.9	80.0-120	
Vanadium	100	87.9	87.9	80.0-120	
Zinc	100	86.4	86.4	80.0-120	

L1696435-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696435-06 01/31/24 13:03 • (MS) R4028326-5 01/31/24 13:12 • (MSD) R4028326-6 01/31/24 13:15

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	125	ND	87.9	73.8	70.1	58.9	5	75.0-125	<u>J6</u>	<u>J6</u>	17.4	20
Arsenic	125	2.50	111	119	86.5	93.6	5	75.0-125			7.70	20
Barium	125	154	238	263	67.3	87.8	5	75.0-125	<u>J6</u>		10.2	20
Beryllium	125	ND	105	121	83.4	96.1	5	75.0-125			14.0	20
Cadmium	125	ND	119	133	95.2	106	5	75.0-125			11.2	20
Chromium	125	34.8	146	164	89.0	104	5	75.0-125			11.9	20
Cobalt	125	19.9	137	152	93.8	106	5	75.0-125			10.3	20
Copper	125	39.5	133	158	74.6	94.5	5	75.0-125	<u>J6</u>		17.1	20
Lead	125	23.5	143	151	95.8	102	5	75.0-125			5.40	20
Manganese	125	895	1010	869	87.9	0.000	5	75.0-125		<u>V</u>	14.5	20
Nickel	125	20.1	133	149	90.3	104	5	75.0-125			11.7	20
Selenium	125	ND	116	130	92.7	103	5	75.0-125			10.8	20
Silver	25.0	ND	24.9	26.5	99.7	106	5	75.0-125			6.08	20
Thallium	125	ND	114	129	91.0	103	5	75.0-125			12.2	20
Vanadium	125	116	167	211	40.4	75.5	5	75.0-125	<u>J6</u>	<u>J3</u>	23.2	20
Zinc	125	79.7	156	188	61.2	86.6	5	75.0-125	<u>J6</u>		18.4	20

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

Method Blank (MB)

(MB) R4024254-3 01/18/24 09:37

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4024254-3 01/18/24 09:37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	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	114			80.0-120
(S) 4-Bromofluorobenzene	93.4			77.0-126
(S) 1,2-Dichloroethane-d4	96.8			70.0-130

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4024254-1 01/18/24 08:30 • (LCSD) R4024254-2 01/18/24 08:52

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Acetone	25.0	18.8	20.3	75.2	81.2	19.0-160			7.67	27
Acrolein	25.0	19.4	18.5	77.6	74.0	10.0-160			4.75	26
Acrylonitrile	25.0	19.4	20.5	77.6	82.0	55.0-149			5.51	20
Benzene	5.00	5.49	5.54	110	111	70.0-123			0.907	20
Bromobenzene	5.00	4.86	4.48	97.2	89.6	73.0-121			8.14	20
Bromodichloromethane	5.00	5.41	5.03	108	101	75.0-120			7.28	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4024254-1 01/18/24 08:30 • (LCSD) R4024254-2 01/18/24 08:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromoform	5.00	4.72	4.76	94.4	95.2	68.0-132			0.844	20
Bromomethane	5.00	3.17	2.71	63.4	54.2	10.0-160			15.6	25
n-Butylbenzene	5.00	5.26	4.76	105	95.2	73.0-125			9.98	20
sec-Butylbenzene	5.00	5.15	5.23	103	105	75.0-125			1.54	20
tert-Butylbenzene	5.00	5.28	5.40	106	108	76.0-124			2.25	20
Carbon tetrachloride	5.00	5.74	5.81	115	116	68.0-126			1.21	20
Chlorobenzene	5.00	5.60	5.77	112	115	80.0-121			2.99	20
Chlorodibromomethane	5.00	4.87	4.99	97.4	99.8	77.0-125			2.43	20
Chloroethane	5.00	8.34	6.48	167	130	47.0-150	J4	J3	25.1	20
Chloroform	5.00	5.65	5.43	113	109	73.0-120			3.97	20
Chloromethane	5.00	3.86	3.76	77.2	75.2	41.0-142			2.62	20
2-Chlorotoluene	5.00	5.18	5.26	104	105	76.0-123			1.53	20
4-Chlorotoluene	5.00	4.74	4.77	94.8	95.4	75.0-122			0.631	20
1,2-Dibromo-3-Chloropropane	5.00	4.97	5.08	99.4	102	58.0-134			2.19	20
1,2-Dibromoethane	5.00	4.71	4.89	94.2	97.8	80.0-122			3.75	20
Dibromomethane	5.00	5.82	5.61	116	112	80.0-120			3.67	20
1,2-Dichlorobenzene	5.00	5.30	5.06	106	101	79.0-121			4.63	20
1,3-Dichlorobenzene	5.00	5.10	5.35	102	107	79.0-120			4.78	20
1,4-Dichlorobenzene	5.00	5.00	5.04	100	101	79.0-120			0.797	20
Dichlorodifluoromethane	5.00	4.31	4.36	86.2	87.2	51.0-149			1.15	20
1,1-Dichloroethane	5.00	4.88	4.83	97.6	96.6	70.0-126			1.03	20
1,2-Dichloroethane	5.00	5.15	4.95	103	99.0	70.0-128			3.96	20
1,1-Dichloroethene	5.00	5.19	5.13	104	103	71.0-124			1.16	20
cis-1,2-Dichloroethene	5.00	5.76	5.19	115	104	73.0-120			10.4	20
trans-1,2-Dichloroethene	5.00	5.42	5.15	108	103	73.0-120			5.11	20
1,2-Dichloropropane	5.00	5.20	4.91	104	98.2	77.0-125			5.74	20
1,1-Dichloropropene	5.00	5.61	5.37	112	107	74.0-126			4.37	20
1,3-Dichloropropane	5.00	5.30	5.46	106	109	80.0-120			2.97	20
cis-1,3-Dichloropropene	5.00	5.24	5.19	105	104	80.0-123			0.959	20
trans-1,3-Dichloropropene	5.00	4.43	4.57	88.6	91.4	78.0-124			3.11	20
2,2-Dichloropropane	5.00	5.40	4.79	108	95.8	58.0-130			12.0	20
Di-isopropyl ether	5.00	4.65	4.60	93.0	92.0	58.0-138			1.08	20
Ethylbenzene	5.00	5.62	5.51	112	110	79.0-123			1.98	20
Hexachloro-1,3-butadiene	5.00	5.01	4.64	100	92.8	54.0-138			7.67	20
Isopropylbenzene	5.00	5.50	5.53	110	111	76.0-127			0.544	20
p-Isopropyltoluene	5.00	5.33	5.59	107	112	76.0-125			4.76	20
2-Butanone (MEK)	25.0	24.4	23.7	97.6	94.8	44.0-160			2.91	20
Methylene Chloride	5.00	4.92	4.67	98.4	93.4	67.0-120			5.21	20
4-Methyl-2-pentanone (MIBK)	25.0	24.1	24.6	96.4	98.4	68.0-142			2.05	20
Methyl tert-butyl ether	5.00	5.26	4.96	105	99.2	68.0-125			5.87	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4024254-1 01/18/24 08:30 • (LCSD) R4024254-2 01/18/24 08:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Naphthalene	5.00	4.87	4.97	97.4	99.4	54.0-135			2.03	20
n-Propylbenzene	5.00	5.18	5.12	104	102	77.0-124			1.17	20
Styrene	5.00	3.86	5.13	77.2	103	73.0-130		J3	28.3	20
1,1,1,2-Tetrachloroethane	5.00	5.75	5.77	115	115	75.0-125			0.347	20
1,1,2,2-Tetrachloroethane	5.00	4.93	4.63	98.6	92.6	65.0-130			6.28	20
Tetrachloroethene	5.00	5.67	5.84	113	117	72.0-132			2.95	20
Toluene	5.00	5.31	5.34	106	107	79.0-120			0.563	20
1,2,3-Trichlorobenzene	5.00	5.45	4.85	109	97.0	50.0-138			11.7	20
1,2,4-Trichlorobenzene	5.00	4.72	4.42	94.4	88.4	57.0-137			6.56	20
1,1,1-Trichloroethane	5.00	5.60	5.49	112	110	73.0-124			1.98	20
1,1,2-Trichloroethane	5.00	5.25	4.99	105	99.8	80.0-120			5.08	20
Trichloroethene	5.00	6.22	6.28	124	126	78.0-124		J4	0.960	20
Trichlorofluoromethane	5.00	7.70	6.81	154	136	59.0-147	J4		12.3	20
1,2,3-Trichloropropane	5.00	5.02	5.18	100	104	73.0-130			3.14	20
1,2,4-Trimethylbenzene	5.00	5.29	5.22	106	104	76.0-121			1.33	20
1,3,5-Trimethylbenzene	5.00	5.51	5.50	110	110	76.0-122			0.182	20
Vinyl chloride	5.00	4.49	4.13	89.8	82.6	67.0-131			8.35	20
Xylenes, Total	15.0	17.4	16.4	116	109	79.0-123			5.92	20
(S) Toluene-d8				102	98.2	80.0-120				
(S) 4-Bromofluorobenzene				96.9	96.7	77.0-126				
(S) 1,2-Dichloroethane-d4				96.0	95.1	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023998-2 01/18/24 10:41

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023998-2 01/18/24 10:41

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	97.1			75.0-131
(S) 4-Bromofluorobenzene	102			67.0-138
(S) 1,2-Dichloroethane-d4	98.3			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4023998-1 01/18/24 09:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.766	123	10.0-160	
Acrylonitrile	0.625	0.824	132	45.0-153	
Benzene	0.125	0.132	106	70.0-123	
Bromobenzene	0.125	0.136	109	73.0-121	
Bromodichloromethane	0.125	0.161	129	73.0-121	<u>J4</u>
Bromoform	0.125	0.122	97.6	64.0-132	
Bromomethane	0.125	0.124	99.2	56.0-147	

Laboratory Control Sample (LCS)

(LCS) R4023998-1 01/18/24 09:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
n-Butylbenzene	0.125	0.142	114	68.0-135	
sec-Butylbenzene	0.125	0.149	119	74.0-130	
tert-Butylbenzene	0.125	0.144	115	75.0-127	
Carbon tetrachloride	0.125	0.147	118	66.0-128	
Chlorobenzene	0.125	0.132	106	76.0-128	
Chlorodibromomethane	0.125	0.132	106	74.0-127	
Chloroethane	0.125	0.126	101	61.0-134	
Chloroform	0.125	0.143	114	72.0-123	
Chloromethane	0.125	0.137	110	51.0-138	
2-Chlorotoluene	0.125	0.140	112	75.0-124	
4-Chlorotoluene	0.125	0.154	123	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.110	88.0	59.0-130	
1,2-Dibromoethane	0.125	0.131	105	74.0-128	
Dibromomethane	0.125	0.131	105	75.0-122	
1,2-Dichlorobenzene	0.125	0.139	111	76.0-124	
1,3-Dichlorobenzene	0.125	0.142	114	76.0-125	
1,4-Dichlorobenzene	0.125	0.135	108	77.0-121	
Dichlorodifluoromethane	0.125	0.123	98.4	43.0-156	
1,1-Dichloroethane	0.125	0.136	109	70.0-127	
1,2-Dichloroethane	0.125	0.145	116	65.0-131	
1,1-Dichloroethene	0.125	0.137	110	65.0-131	
cis-1,2-Dichloroethene	0.125	0.134	107	73.0-125	
trans-1,2-Dichloroethene	0.125	0.124	99.2	71.0-125	
1,2-Dichloropropane	0.125	0.144	115	74.0-125	
1,1-Dichloropropene	0.125	0.134	107	73.0-125	
1,3-Dichloropropane	0.125	0.146	117	80.0-125	
cis-1,3-Dichloropropene	0.125	0.143	114	76.0-127	
trans-1,3-Dichloropropene	0.125	0.152	122	73.0-127	
2,2-Dichloropropane	0.125	0.127	102	59.0-135	
Di-isopropyl ether	0.125	0.148	118	60.0-136	
Ethylbenzene	0.125	0.134	107	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.155	124	57.0-150	
Isopropylbenzene	0.125	0.140	112	72.0-127	
p-Isopropyltoluene	0.125	0.145	116	72.0-133	
2-Butanone (MEK)	0.625	0.872	140	30.0-160	
Methylene Chloride	0.125	0.123	98.4	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.832	133	56.0-143	
Methyl tert-butyl ether	0.125	0.133	106	66.0-132	
Naphthalene	0.125	0.146	117	59.0-130	
n-Propylbenzene	0.125	0.150	120	74.0-126	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4023998-1 01/18/24 09:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Styrene	0.125	0.135	108	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.138	110	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.154	123	68.0-128	
Tetrachloroethene	0.125	0.123	98.4	70.0-136	
Toluene	0.125	0.132	106	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.136	109	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.151	121	62.0-137	
1,1,1-Trichloroethane	0.125	0.144	115	69.0-126	
1,1,2-Trichloroethane	0.125	0.121	96.8	78.0-123	
Trichloroethene	0.125	0.123	98.4	76.0-126	
Trichlorofluoromethane	0.125	0.123	98.4	61.0-142	
1,2,3-Trichloropropane	0.125	0.145	116	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.135	108	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.121	96.8	73.0-127	
Vinyl chloride	0.125	0.133	106	63.0-134	
Xylenes, Total	0.375	0.406	108	72.0-127	
(S) Toluene-d8			96.6	75.0-131	
(S) 4-Bromofluorobenzene			103	67.0-138	
(S) 1,2-Dichloroethane-d4			99.5	70.0-130	

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

Method Blank (MB)

(MB) R4025343-2 01/19/24 21:48

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4025343-2 01/19/24 21:48

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	77.9			12.0-120
(S) Phenol-d5	74.6			10.0-120
(S) Nitrobenzene-d5	82.3			10.0-122
(S) 2-Fluorobiphenyl	78.4			15.0-120
(S) 2,4,6-Tribromophenol	68.2			10.0-127
(S) p-Terphenyl-d14	90.4			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4025343-1 01/19/24 21:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.494	74.2	38.0-120	
Acenaphthylene	0.666	0.518	77.8	40.0-120	
Anthracene	0.666	0.565	84.8	42.0-120	
Benzidine	1.33	0.497	37.4	10.0-120	
Benzo(a)anthracene	0.666	0.588	88.3	44.0-120	
Benzo(b)fluoranthene	0.666	0.573	86.0	43.0-120	
Benzo(k)fluoranthene	0.666	0.526	79.0	44.0-120	
Benzo(g,h,i)perylene	0.666	0.550	82.6	43.0-120	
Benzo(a)pyrene	0.666	0.573	86.0	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.408	61.3	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.490	73.6	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.453	68.0	23.0-120	
4-Bromophenyl-phenylether	0.666	0.490	73.6	40.0-120	
2-Chloronaphthalene	0.666	0.487	73.1	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4025343-1 01/19/24 21:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chlorophenyl-phenylether	0.666	0.509	76.4	40.0-120	
Chrysene	0.666	0.539	80.9	43.0-120	
Dibenz(a,h)anthracene	0.666	0.567	85.1	44.0-120	
3,3-Dichlorobenzidine	1.33	1.03	77.4	28.0-120	
2,4-Dinitrotoluene	0.666	0.583	87.5	45.0-120	
2,6-Dinitrotoluene	0.666	0.555	83.3	42.0-120	
Fluoranthene	0.666	0.575	86.3	44.0-120	
Fluorene	0.666	0.530	79.6	41.0-120	
Hexachlorobenzene	0.666	0.468	70.3	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.391	58.7	15.0-120	
Hexachlorocyclopentadiene	0.666	0.304	45.6	15.0-120	
Hexachloroethane	0.666	0.426	64.0	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.536	80.5	45.0-120	
Isophorone	0.666	0.422	63.4	23.0-120	
Naphthalene	0.666	0.403	60.5	18.0-120	
Nitrobenzene	0.666	0.427	64.1	17.0-120	
n-Nitrosodimethylamine	0.666	0.478	71.8	10.0-125	
n-Nitrosodiphenylamine	0.666	0.564	84.7	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.497	74.6	26.0-120	
Phenanthrene	0.666	0.555	83.3	42.0-120	
Benzylbutyl phthalate	0.666	0.686	103	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.675	101	41.0-120	
Di-n-butyl phthalate	0.666	0.628	94.3	43.0-120	
Diethyl phthalate	0.666	0.558	83.8	43.0-120	
Dimethyl phthalate	0.666	0.558	83.8	43.0-120	
Di-n-octyl phthalate	0.666	0.689	103	40.0-120	
Pyrene	0.666	0.619	92.9	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.417	62.6	17.0-120	
4-Chloro-3-methylphenol	0.666	0.490	73.6	28.0-120	
2-Chlorophenol	0.666	0.494	74.2	28.0-120	
2,4-Dichlorophenol	0.666	0.472	70.9	25.0-120	
2,4-Dimethylphenol	0.666	0.534	80.2	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.536	80.5	16.0-120	
2,4-Dinitrophenol	0.666	0.460	69.1	10.0-120	
2-Nitrophenol	0.666	0.436	65.5	20.0-120	
4-Nitrophenol	0.666	0.489	73.4	27.0-120	
Pentachlorophenol	0.666	0.455	68.3	29.0-120	
Phenol	0.666	0.480	72.1	28.0-120	
2,4,6-Trichlorophenol	0.666	0.519	77.9	37.0-120	
(S) 2-Fluorophenol			79.1	12.0-120	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4025343-1 01/19/24 21:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			72.8	10.0-120	
(S) Nitrobenzene-d5			64.9	10.0-122	
(S) 2-Fluorobiphenyl			78.4	15.0-120	
(S) 2,4,6-Tribromophenol			75.5	10.0-127	
(S) p-Terphenyl-d14			85.9	10.0-120	

L1696435-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696435-07 01/20/24 03:27 • (MS) R4025343-3 01/20/24 03:51 • (MSD) R4025343-4 01/20/24 04:15

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	0.885	ND	0.611	0.542	69.1	61.2	1	18.0-120			12.0	32
Acenaphthylene	0.885	ND	0.640	0.568	71.5	63.4	1	25.0-120			12.0	32
Anthracene	0.885	ND	0.647	0.580	71.8	64.3	1	22.0-120			10.9	29
Benzidine	1.77	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(a)anthracene	0.885	0.0547	0.738	0.665	77.2	68.9	1	25.0-120			10.5	29
Benzo(b)fluoranthene	0.885	0.0759	0.750	0.635	76.2	63.1	1	19.0-122			16.7	31
Benzo(k)fluoranthene	0.885	ND	0.628	0.573	67.9	61.8	1	23.0-120			9.07	30
Benzo(g,h,i)perylene	0.885	ND	0.669	0.586	71.1	61.7	1	10.0-120			13.2	33
Benzo(a)pyrene	0.885	0.0591	0.723	0.635	75.0	65.0	1	24.0-120			13.0	30
Bis(2-chloroethoxy)methane	0.885	ND	0.516	0.468	58.3	52.9	1	10.0-120			9.68	34
Bis(2-chloroethyl)ether	0.885	ND	0.618	0.564	69.8	63.7	1	10.0-120			9.22	40
2,2-Oxybis(1-Chloropropane)	0.885	ND	ND	0.511	0.000	57.7	1	10.0-120	J6	J3	200	40
4-Bromophenyl-phenylether	0.885	ND	0.575	0.537	64.9	60.6	1	27.0-120			6.86	30
2-Chloronaphthalene	0.885	ND	0.583	0.541	65.8	61.1	1	20.0-120			7.52	32
4-Chlorophenyl-phenylether	0.885	ND	0.628	0.568	70.9	64.2	1	24.0-120			10.0	29
Chrysene	0.885	0.0474	0.686	0.633	72.2	66.2	1	21.0-120			8.05	29
Dibenz(a,h)anthracene	0.885	ND	0.647	0.579	73.1	65.4	1	10.0-120			11.1	32
3,3-Dichlorobenzidine	1.77	ND	ND	0.515	20.6	29.1	1	10.0-120		J3	34.1	34
2,4-Dinitrotoluene	0.885	ND	0.703	0.631	79.4	71.2	1	30.0-120			10.8	31
2,6-Dinitrotoluene	0.885	ND	0.661	0.594	74.6	67.1	1	25.0-120			10.6	31
Fluoranthene	0.885	0.109	0.782	0.677	76.0	64.1	1	18.0-126			14.4	32
Fluorene	0.885	ND	0.641	0.584	72.5	66.0	1	25.0-120			9.33	30
Hexachlorobenzene	0.885	ND	0.560	0.494	63.2	55.8	1	27.0-120			12.4	28
Hexachloro-1,3-butadiene	0.885	ND	0.507	0.486	57.2	54.9	1	10.0-120			4.12	38
Hexachlorocyclopentadiene	0.885	ND	ND	ND	11.4	13.2	1	10.0-120			14.4	40
Hexachloroethane	0.885	ND	ND	ND	42.9	43.2	1	10.0-120			0.714	40
Indeno(1,2,3-cd)pyrene	0.885	0.0455	0.662	0.582	69.6	60.6	1	10.0-120			12.9	32
Isophorone	0.885	ND	0.524	0.482	59.2	54.5	1	13.0-120			8.39	34

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1696435-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696435-07 01/20/24 03:27 • (MS) R4025343-3 01/20/24 03:51 • (MSD) R4025343-4 01/20/24 04:15

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	0.885	ND	0.509	0.479	53.1	49.7	1	10.0-120			6.06	35
Nitrobenzene	0.885	ND	0.527	0.489	59.5	55.2	1	10.0-120			7.51	36
n-Nitrosodimethylamine	0.885	ND	0.527	ND	59.5	47.5	1	10.0-127			22.4	40
n-Nitrosodiphenylamine	0.885	ND	0.626	0.572	70.8	64.6	1	17.0-120			9.09	29
n-Nitrosodi-n-propylamine	0.885	ND	0.617	0.567	69.7	64.0	1	10.0-120			8.52	37
Phenanthrene	0.885	0.0459	0.678	0.601	71.4	62.7	1	17.0-120			12.1	31
Benzylbutyl phthalate	0.885	ND	0.823	0.752	92.9	84.9	1	23.0-120			9.00	30
Bis(2-ethylhexyl)phthalate	0.885	ND	0.810	0.738	91.5	83.4	1	17.0-126			9.32	30
Di-n-butyl phthalate	0.885	ND	0.727	0.639	82.2	72.2	1	30.0-120			13.0	29
Diethyl phthalate	0.885	ND	0.671	0.602	75.8	68.0	1	26.0-120			10.9	28
Dimethyl phthalate	0.885	ND	0.661	0.601	74.6	67.8	1	25.0-120			9.50	29
Di-n-octyl phthalate	0.885	ND	0.885	0.799	100	90.3	1	21.0-123			10.2	29
Pyrene	0.885	0.100	0.808	0.726	79.9	70.7	1	16.0-121			10.7	32
1,2,4-Trichlorobenzene	0.885	ND	0.513	0.477	58.0	53.8	1	12.0-120			7.43	37
4-Chloro-3-methylphenol	0.885	ND	0.620	0.564	70.0	63.7	1	15.0-120			9.44	30
2-Chlorophenol	0.885	ND	0.606	0.545	68.5	61.5	1	15.0-120			10.7	37
2,4-Dichlorophenol	0.885	ND	0.597	0.545	67.4	61.5	1	20.0-120			9.07	31
2,4-Dimethylphenol	0.885	ND	0.677	0.625	76.5	70.6	1	10.0-120			7.95	33
4,6-Dinitro-2-methylphenol	0.885	ND	0.545	0.518	61.5	58.5	1	10.0-120			5.13	39
2,4-Dinitrophenol	0.885	ND	0.595	0.594	67.2	67.1	1	10.0-121			0.229	40
2-Nitrophenol	0.885	ND	0.560	0.526	63.2	59.4	1	12.0-120			6.27	39
4-Nitrophenol	0.885	ND	0.652	0.561	73.7	63.4	1	10.0-137			15.0	32
Pentachlorophenol	0.885	ND	0.666	0.588	75.2	66.5	1	10.0-160			12.4	31
Phenol	0.885	ND	0.591	0.547	66.8	61.8	1	12.0-120			7.66	38
2,4,6-Trichlorophenol	0.885	ND	0.659	0.592	74.5	66.9	1	19.0-120			10.7	32
(S) 2-Fluorophenol					70.0	64.9		12.0-120				
(S) Phenol-d5					66.5	60.5		10.0-120				
(S) Nitrobenzene-d5					62.2	57.5		10.0-122				
(S) 2-Fluorobiphenyl					70.8	64.3		15.0-120				
(S) 2,4,6-Tribromophenol					73.8	65.2		10.0-127				
(S) p-Terphenyl-d14					75.7	69.8		10.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
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.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.



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	LA000356
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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@concurrency.com)
 Email To: **jpaul@smeinc.com**

Report to:
Mr. Jerry Paul

Project Description: **Northgate Park** City/State Collected: **Durham, NC** Please Circle: **PT MT CT ET**

Phone: **919-872-2660** Client Project # **23050630** Lab Project # **SMERLNC-NORTHGATE**

Collected by (print): **Chaise Parva** Site/Facility ID # P.O. #

Collected by (signature): *CP* **Rush?** (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Immediately Packed on Ice **N** **Y** **Q** Quote # Date Results Needed No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	Metals 2ozClr-NoPres	SPLP/TCLP GOLD 4ozClr-NoPres	SV8270,TS 4ozClr-NoPres	V8260 40mlAmb-HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr	SV065 8270	18 Metals 6020	Mercury 7471	Hex. Chrom 7199	Remarks	Sample # (lab only)
825-SB-S2	C	SS	0-1	1/12/24	1505	4	X	X	X		X	X	X	X	X		101
825-SB-S3	↓	SS	↓	↓	1510	4	X	X	X		X	↓	↓	↓	↓		102
825-SB-S4	↓	SS	↓	↓	1515	4	X	X	X		X	↓	↓	↓	↓		103
Trip Blank		GW-SS				4	X	X	X	X	X						104
		SS				4	X	X	X		X						
		SS				4	X	X	X		X						
		SS				4	X	X	X		X						
		SS				4	X	X	X		X						
		SS				4	X	X	X		X						

* Matrix: **SS - Soil AIR - Air F - Filter**
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks: **SPLP/TCLP on hold** pH _____ Temp _____
 Flow _____ Other _____

Sample Receipt Checklist
 COC Seal Present/Intact: **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 # **7155 0298 3341**

Relinquished by: (Signature) *CP* Date: **1/12/24** Time: **1710** Received by: (Signature) Trip Blank Received: **Yes** **No**
 HCL / MeOH
 TBR

Relinquished by: (Signature) Date: Time: Received by: (Signature) Temp: **22.8 °C** Bottles Received: **12** If preservation required by lab: Date/Time
0.1 ± 0.01

Relinquished by: (Signature) Date: Time: Received for lab by: (Signature) *WJ* **(14)** Date: **1/13/24** Time: **900** Ho: Condition: **NCF / OK**

Chain of Custody Page **1** of **1**

Pace
 PEOPLE ADVANCING SCIENCE

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 # **L1696462**
H214

Acctnum: **SMERLNC**
 Template: **T243915**
 Prelogin: **P1044755**
 PM: **034 - Craig Cothron**
 PB:

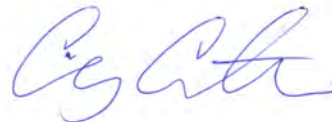
Shipped Via: **FedEX Ground**

S&ME Inc. - Raleigh NC

Sample Delivery Group: L1703003
Samples Received: 12/29/2023
Project Number: 23050630
Description: Northgate Park

Report To: Mr. Jerry Paul
3201 Spring Forest Road
Raleigh, NC 27616

Entire Report Reviewed By:

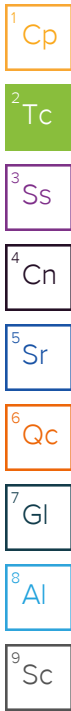


Craig Cothron
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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SAMPLE SUMMARY

825-SB-69 L1703003-01 Leachate

Collected by Chelsea Parra
 Collected date/time 12/28/23 11:50
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1312	WG2222337	1	02/09/24 16:27	02/09/24 16:27	WC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2224640	1	02/13/24 09:38	02/13/24 12:43	SJM	Mt. Juliet, TN



825-SB-75 L1703003-02 Leachate

Collected by Chelsea Parra
 Collected date/time 12/28/23 11:00
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1312	WG2222337	1	02/09/24 16:27	02/09/24 16:27	WC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2224640	1	02/13/24 09:38	02/13/24 12:46	SJM	Mt. Juliet, TN

825-SB-84 L1703003-03 Leachate

Collected by Chelsea Parra
 Collected date/time 12/28/23 15:10
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1312	WG2222337	1	02/09/24 16:27	02/09/24 16:27	WC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2224640	1	02/13/24 09:38	02/13/24 12:50	SJM	Mt. Juliet, TN

825-SB-92 L1703003-04 Leachate

Collected by Chelsea Parra
 Collected date/time 01/04/24 10:00
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1312	WG2222337	1	02/09/24 16:27	02/09/24 16:27	WC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2224640	1	02/13/24 09:38	02/13/24 12:53	SJM	Mt. Juliet, TN

825-SB-138 L1703003-05 Leachate

Collected by Chelsea Parra
 Collected date/time 01/08/24 11:40
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1312	WG2222337	1	02/09/24 16:27	02/09/24 16:27	WC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2224640	1	02/13/24 09:38	02/13/24 12:30	SJM	Mt. Juliet, TN

825-SB-69 L1703003-06 Waste

Collected by Chelsea Parra
 Collected date/time 12/28/23 11:50
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2222345	1	02/09/24 14:21	02/09/24 14:21	WC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2224275	1	02/12/24 10:00	02/12/24 13:43	SJM	Mt. Juliet, TN

825-SB-75 L1703003-07 Waste

Collected by Chelsea Parra
 Collected date/time 12/28/23 11:00
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2222345	1	02/09/24 14:21	02/09/24 14:21	WC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2224275	1	02/12/24 10:00	02/12/24 13:30	SJM	Mt. Juliet, TN

SAMPLE SUMMARY

825-SB-84 L1703003-08 Waste

Collected by Chelsea Parra
 Collected date/time 12/28/23 15:10
 Received date/time 12/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2222345	1	02/09/24 14:21	02/09/24 14:21	WC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2224275	1	02/12/24 10:00	02/12/24 13:46	SJM	Mt. Juliet, TN

¹Cp

²Tc

³Ss

825-SB-92 L1703003-09 Waste

Collected by Chelsea Parra
 Collected date/time 01/04/24 10:00
 Received date/time 01/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2222345	1	02/09/24 14:21	02/09/24 14:21	WC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2224275	1	02/12/24 10:00	02/12/24 13:49	SJM	Mt. Juliet, TN

⁴Cn

⁵Sr

⁶Qc

825-SB-138 L1703003-10 Waste

Collected by Chelsea Parra
 Collected date/time 01/08/24 11:40
 Received date/time 01/09/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2222345	1	02/09/24 14:21	02/09/24 14:21	WC	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2224275	1	02/12/24 10:00	02/12/24 13:52	SJM	Mt. Juliet, TN

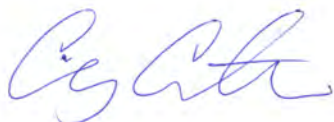
⁷Gl

⁸Al

⁹Sc

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

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

Preparation by Method 1311/1312

Analyte	Result	Qualifier	Prep date / time	Batch
SPLP Extraction	-		2/9/2024 4:27:54 PM	WG2222337
Final pH	7.68		2/9/2024 4:27:54 PM	WG2222337

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	309		2.00	1	02/13/2024 12:43	WG2224640

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

Preparation by Method 1311/1312

Analyte	Result	Qualifier	Prep date / time	Batch
SPLP Extraction	-		2/9/2024 4:27:54 PM	WG2222337
Final pH	7.17		2/9/2024 4:27:54 PM	WG2222337

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	405		2.00	1	02/13/2024 12:46	WG2224640

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Preparation by Method 1311/1312

Analyte	Result	Qualifier	Prep date / time	Batch
SPLP Extraction	-		2/9/2024 4:27:54 PM	WG2222337
Final pH	7.00		2/9/2024 4:27:54 PM	WG2222337

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	332		2.00	1	02/13/2024 12:50	WG2224640

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Preparation by Method 1311/1312

Analyte	Result	Qualifier	Prep date / time	Batch
SPLP Extraction	-		2/9/2024 4:27:54 PM	WG2222337
Final pH	6.65		2/9/2024 4:27:54 PM	WG2222337

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	195		2.00	1	02/13/2024 12:53	WG2224640

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

Preparation by Method 1311/1312

Analyte	Result	Qualifier	Prep date / time	Batch
SPLP Extraction	-		2/9/2024 4:27:54 PM	WG2222337
Final pH	6.45		2/9/2024 4:27:54 PM	WG2222337

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	154		2.00	1	02/13/2024 12:30	WG2224640

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

Preparation by Method 1311/1312

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		2/9/2024 2:21:31 PM	WG2222345
Initial pH	4.97		2/9/2024 2:21:31 PM	WG2222345
Final pH	5.63		2/9/2024 2:21:31 PM	WG2222345

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	0.187		0.0200		1	02/12/2024 13:43	WG2224275

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

Preparation by Method 1311/1312

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		2/9/2024 2:21:31 PM	WG2222345
Initial pH	5.40		2/9/2024 2:21:31 PM	WG2222345
Final pH	5.63		2/9/2024 2:21:31 PM	WG2222345

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	0.368		0.0200		1	02/12/2024 13:30	WG2224275

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

Preparation by Method 1311/1312

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		2/9/2024 2:21:31 PM	WG2222345
Initial pH	5.08		2/9/2024 2:21:31 PM	WG2222345
Final pH	5.54		2/9/2024 2:21:31 PM	WG2222345

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	0.543		0.0200		1	02/12/2024 13:46	WG2224275

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

Preparation by Method 1311/1312

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		2/9/2024 2:21:31 PM	WG2222345
Initial pH	5.06+		2/9/2024 2:21:31 PM	WG2222345
Final pH	5.55		2/9/2024 2:21:31 PM	WG2222345

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	0.268		0.0200		1	02/12/2024 13:49	WG2224275

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

Preparation by Method 1311/1312

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		2/9/2024 2:21:31 PM	WG2222345
Initial pH	5.20		2/9/2024 2:21:31 PM	WG2222345
Final pH	5.24		2/9/2024 2:21:31 PM	WG2222345

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	0.376		0.0200		1	02/12/2024 13:52	WG2224275

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

Method Blank (MB)

(MB) R4032652-1 02/12/24 13:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Lead	0.00325	<u>J</u>	0.00240	0.0200

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R4032652-2 02/12/24 13:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	0.500	0.491	98.2	80.0-120	

⁴Cn

⁵Sr

L1703003-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1703003-07 02/12/24 13:30 • (MS) R4032652-4 02/12/24 13:36 • (MSD) R4032652-5 02/12/24 13:39

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	0.500	0.368	0.946	1.13	116	152	1	75.0-125		<u>J5</u>	17.7	20

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4033095-1 02/13/24 12:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Lead	U		0.849	2.00

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R4033095-2 02/13/24 12:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	50.0	53.1	106	80.0-120	

⁴Cn

⁵Sr

L1703003-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1703003-05 02/13/24 12:30 • (MS) R4033095-4 02/13/24 12:36 • (MSD) R4033095-5 02/13/24 12:40

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	50.0	154	211	209	114	109	1	75.0-125			1.25	20

⁶Qc

⁷Gl

⁸Al

⁹Sc

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.

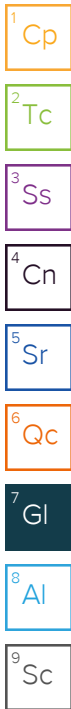
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.



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	LA000356
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.

¹ Cp

² Tc

³ Ss

⁴ Cn


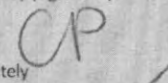
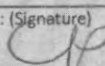
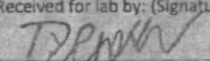
⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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@concurrency.com) Email To: jpaul@smeinc.com			Pres Chk	Analysis / Container / Preservative										Chain of Custody Page ___ of ___		
Report to: Mr. Jerry Paul			City/State Collected: Durham, NC			Please Circle: PT MT <u>CT</u> ET											 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/Pulse/gas-standard-terms.pdf		
Project Description: Northgate Park		Client Project # 23050630		Lab Project # SMERLNC-NORTHGATE													SDG # 1692209		
Phone: 919-872-2660		Site/Facility ID #		P.O. #													C042 L1703003		
Collected by (print): Chelsea Parra		Rush? (Lab MUST Be Notified)		Quote #													Acctnum: SMERLNC		
Collected by (signature): 		Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day ___		Date Results Needed													Template: T243915		
Immediately Packed on Ice N ___ Y <input checked="" type="checkbox"/>						No. of Cntrs											Prelogin: P1044755		
																	PM: 034 - Craig Cothron		
																	PB:		
																	Shipped Via: FedEX Ground		
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time											Remarks	Sample # (lab only)	
825-SB-65		C	SS	0-1	12/28/23	1430	4	X	X	X	X	X	X	X	X	X		01	
825-SB-66			SS			1435	4	X	X	X	X	X	X	X	X	X		02	
825-SB-67			SS			1440	4	X	X	X	X	X	X	X	X	X		03	
825-SB-68			SS			1145	4	X	X	X	X	X	X	X	X	X		04	
825-SB-69			SS			1150	4	X	X	X	X	X	X	X	X	X		05 -01/06	
825-SB-70			SS			1320	4	X	X	X	X	X	X	X	X	X		06	
825-SB-71			SS			1155	4	X	X	X	X	X	X	X	X	X		07	
825-SB-72			SS			1130	4	X	X	X	X	X	X	X	X	X		08	
CP 825-SB-70 DUP-SB			SS				4	X	X	X	X	X	X	X	X	X		09	
Trip Blank			GW-SS				4	X	X	X	X	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: SPLP/ TCLP on hold		pH _____ Temp _____ Flow _____ Other _____		Samples returned via: ___ UPS ___ FedEx ___ Courier		Tracking # 7155 0298 2205		Trip Blank Received: Yes/No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (HCL/ MeOH TBR)		Bottles Received: 13		Temp: < 4°C		If preservation required by Lab in: Late/Time		Sample Receipt Checklist: COC Seal Present/Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If Applicable VOA Zero Headpace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
Relinquished by: (Signature) 		Date: 12/28/23	Time: 1645	Received by: (Signature)		Date:		Time:		Date:		Time:		Date:		Time:		Condition: NCF <input checked="" type="checkbox"/> OK	
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Date:		Time:		Date:		Time:		Date:		Time:			
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) 		Date: 12/29/23		Time: 0900		Date:		Time:		Date:		Time:			

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.com)
 Email To: jpaul@smeinc.com

Report to:
Mr. Jerry Paul

Project Description:
Northgate Park

City/State Collected: **Durham, NC**

Please Circle:
 PT MT CT **ET**

Client Project # **23050630**

Lab Project # **SMERLNC-NORTHGATE**

Site/Facility ID #

P.O. #

Quote #

Rush? (Lab MUST Be Notified)
 ___ Same Day ___ Five Day
 ___ Next Day ___ 5 Day (Rad Only)
 ___ Two Day ___ 10 Day (Rad Only)
 ___ Three Day

Date Results Needed

No. of Cntrs

Phone: **919-872-2660**

Collected by (print): **Chelsea Parra**

Collected by (signature): *CP*

Immediately Packed on Ice **N** Y

Analysis / Container / Preservative

Metals 2ozClr-NoPres	SPLP/TCLP-GOLD 4ozClr-NoPres	SV8270, TS 4ozClr-NoPres	V8260 40mlAmb-HCl-Bik	V8260 40mlAmb/MeOH10ml/Syr	SV06S 8270	16 Metals 6020	Mercury 7471	Hex-Chrome 3199
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Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Metals 2ozClr-NoPres	SPLP/TCLP-GOLD 4ozClr-NoPres	SV8270, TS 4ozClr-NoPres	V8260 40mlAmb-HCl-Bik	V8260 40mlAmb/MeOH10ml/Syr	SV06S 8270	16 Metals 6020	Mercury 7471	Hex-Chrome 3199
825-SB-73	C	SS	(0-1)	12/28/23	1135	4	X	X	X	X	X	X	X	X	X
825-SB-74	↓	SS	↓	↓	1105	4	X	X	X	X	X	X	X	X	X
825-SB-75	↓	SS	↓	↓	1100	4	X	X	X	X	X	X	X	X	X
		SS				4	X	X	X	X	X	X	X	X	X
		SS				4	X	X	X	X	X	X	X	X	X
		SS				4	X	X	X	X	X	X	X	X	X
		SS				4	X	X	X	X	X	X	X	X	X
		SS				4	X	X	X	X	X	X	X	X	X

Chain of Custody Page ___ of ___

Pace
 PEOPLE ADVANCING SCIENCE

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/tubts/pas-standard-terms.pdf>

SDG # **692209**

Table # **L1703003**

Accnum: **SMERLNC**

Template: **T243915**

Prelogin: **P1044755**

PM: **034 - Craig Cothron**

PB:

Shipped Via: **FedEX Ground**

Remarks

Sample # (lab only)

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
SPLP/TCLP on hold

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via:
 ___ UPS ___ FedEx ___ Courier

Tracking # **7155 0298 2275**

Relinquished by: (Signature) *CP* Date: **12/28/23** Time: **1645**

Received by: (Signature) Trip Blank Received: **Yes/No**
1 **HCL/MeOH**
TBR

Relinquished by: (Signature) Date: _____ Time: _____

Received by: (Signature) Temp: **20.40°C** Bottles Received: _____

Relinquished by: (Signature) Date: _____ Time: _____

Received for lab by: (Signature) *T. Pender* Date: **12/29/23** Time: **0100**

Hold: _____ Condition: **NCF / OK**

Sample Receipt Checklist

CO: Seal Present/Intact: **Y/N**

CO: Labeled/Assigned/Accurate: **Y/N**

B: Bottles arrive intact: **Y/N**

C: All bottles used: **Y/N**

A: All sample volume sent: **Y/N**

if Applicable

VC: Micro Headspace: **Y/N**

P: Preservation Correct/Checked: **Y/N**

RA: Turbidity <0.5 mR/hr: **Y/N**

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@concurrency.com)
 Email To: jpaul@smeinc.com

Report to:
Mr. Jerry Paul

Project Description:
Northgate Park

City/State Collected: **Durham, NC**

Please Circle:
 PT MT CT **ET**

Phone: **919-872-2660**

Client Project #
23050630

Lab Project #
SMERLNC-NORTHGATE

Collected by (print):
Chelsea Parva

Site/Facility ID #

Collected by (signature):
CP

Rush? (Lab MUST Be Notified)
 ___ Same Day ___ Five Day
 ___ Next Day ___ 5 Day (Rad Only)
 ___ Two Day ___ 10 Day (Rad Only)
 ___ Three Day

Date Results Needed

Immediately

Packed on Ice N Y

Analysis / Container / Preservative

Metals 20zClr-NoPres	SPLP/TCLP-G0-B-40zClr-NoPres	SV8270, TS 40zClr-NoPres	V8260 40mlAmb + HCl-Blk	V8260 40mlAmb/MeOH 10ml/Syr	SV005 8270	18 Metals 6020	Mercury 7471	Hex Chrom. 7199
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Chain of Custody Page ___ of ___

Pace
 PEOPLE ADVANCING SCIENCE

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.pacnlab.com/hubfs/pas-standard-terms.pdf>

SDG # **692273**

C053
L1703003

Actnum: **SMERLNC**

Template: **T243915**

Prelogin: **P1044755**

PM: **034 - Crair, Cothron**

PB:

Shipped Via: **FedEX Ground**

Remarks | Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Metals 20zClr-NoPres	SPLP/TCLP-G0-B-40zClr-NoPres	SV8270, TS 40zClr-NoPres	V8260 40mlAmb + HCl-Blk	V8260 40mlAmb/MeOH 10ml/Syr	SV005 8270	18 Metals 6020	Mercury 7471	Hex Chrom. 7199
825-SB-76	C	SS	0-1	12/28/23	1040	4	X	X	X	X					
825-SB-77		SS			1030	4	X	X	X	X	X	X	X	X	
825-SB-78		SS			1615	4	X	X	X	X	X	X	X	X	
825-SB-79		SS			1620	4	X	X	X	X	X	X	X	X	
825-SB-80		SS			1600	4	X	X	X	X	X	X	X	X	
825-SB-81		SS			1605	4	X	X	X	X	X	X	X	X	
825-SB-82		SS			1540	4	X	X	X	X	X	X	X	X	
825-SB-83		SS			1520	4	X	X	X	X	X	X	X	X	
825-SB-84		SS			1510	4	X	X	X	X	X	X	X	X	
Trip Blank		GW-SS				4	X	X	X	X	X				

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
SPLP/TCLP on hold

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via:
 ___ UPS ___ FedEx ___ Courier

Tracking # **7155 6298 2264**

Relinquished by: (Signature) **CP** Date: **12/28/23** Time: **1045**

Received by: (Signature) Trip Blank Received: Yes/No **1** HCl/MeOH TBR

Temp: _____ °C Bottles Received: **40**

Relinquished by: (Signature) Date: _____ Time: _____

Received by: (Signature) Date: **12/29/23** Time: **0900**

Relinquished by: (Signature) Date: _____ Time: _____

Received by: (Signature) Date: _____ Time: _____

VOA Zero Headspace: **Y** N
 Preservation Correct/Cracked: **Y** N
 RA Green <0.5 mR/hr: **Y** N

Sample Receipt Checklist

COC Seal Present/Intact: **Y** N
 COC Signed/Accurate: **Y** N
 Bottles arrive intact: **Y** N
 Correct bottles used: **Y** N
 Sufficient volume sent: **Y** N
 If Applicable

Condition: **NCF 1/OK**

-03/08

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@concurrency.com)
 Email To: jpaul@smeinc.com

Report to:
Mr. Jerry Paul

Project Description:
Northgate Park

City/State Collected: **Durham, NC**

Please Circle:
 PT MT CT ET **(C)**

Phone: **919-872-2660**

Client Project #
23050630

Lab Project #
SMERLNC-NORTHGATE

Collected by (print): **Chelsea Parra**

Site/Facility ID #

Collected by (signature): **CP**

Rush? (Lab MUST Be Notified)
 Same Day Five Day
 Next Day Five Day (Rad Only)
 Two Day Ten Day (Rad Only)
 Three Day

Date Results Needed

Quote #

Immediately Packed on Ice N Y

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Metals 2ozClr-NoPres	SPLP/TCLP 4ozClr-NoPres	SV8270, IS 4ozClr-NoPres	V8260 40mlAmb+HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr	SV06s 8270	18 Metals 6020	Hex 7471	Hex. Chromium 3199
825-SB-86	C	SS	0-1	1/4/24	1110	4	X	X	X	X	X	X	X	X	X
825-SB-87		SS			1115	4	X	X	X	X	X	X	X	X	X
825-SB-88		SS			1120	4	X	X	X	X	X	X	X	X	X
825-SB-89		SS			1125	4	X	X	X	X	X	X	X	X	X
825-SB-90		SS			1025	4	X	X	X	X	X	X	X	X	X
825-SB-91		SS			1030	4	X	X	X	X	X	X	X	X	X
825-SB-92		SS			1000	4	X	X	X	X	X	X	X	X	X
825-SB-93		SS			1005	4	X	X	X	X	X	X	X	X	X
825-SB-94		SS			1155	4	X	X	X	X	X	X	X	X	X
825-SB-95		SS			1200	4	X	X	X	X	X	X	X	X	X

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
SPLP/TCLP on hold

pH _____ Temp _____
 Flow _____ Other _____

Samples returned via:
 UPS FedEx Courier

Tracking # **7155 0298 2286**

Sample Receipt Checklist

COC Seal Present/Intact: 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 Headpace: Y N
 Preservation Correct/Checked: Y N
 RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature) **CP** Date: **1/4/24** Time: **1530**

Received by: (Signature) _____ Trip Blank Received: **1** Yes/No Yes No
 HCL/MeOH TBR

Temp: **18.7** °C Bottles Received: **7**

Relinquished by: (Signature) _____ Date: _____ Time: _____

Received for lab by: (Signature) **[Signature]** Date: **1-5-24** Time: **9:26**

Hold: _____ Condition: **NCF / OK**

Analysis / Container / Preservative

Metals 2ozClr-NoPres
 SPLP/TCLP 4ozClr-NoPres
 SV8270, IS 4ozClr-NoPres
 V8260 40mlAmb+HCl-Blk
 V8260 40mlAmb/MeOH10ml/Syr
 SV06s 8270
 18 Metals 6020
 Hex 7471
 Hex. Chromium 3199

Chain of Custody Page 1 of 2

PACE
 MEDICAL ADVANCING SCIENCE

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# **1693679**

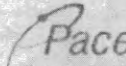

A051
L1703003

Acctnum: **SMERLNC**
 Template: **T243915**
 Prelogin: **P1044755**
 PM: 034 - Craig Cothron
 PB:

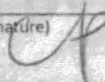
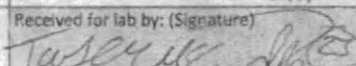
Shipped Via: **FedEX Ground**

Remarks	Sample # (lab only)
	01
	02
	03
	04
	05
	06
	07
	08
	09
	10

-04/09

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@concurrency.com) Email To: jpaul@smeinc.com		Pres Chk	Analysis / Container / Preservative										Chain of Custody Page 1 of 1				
Report to: Mr. Jerry Paul		City/State Collected: Durham, NC		Please Circle: PT MT CT ET (E)		Metals 2ozClr-NoPres Hold SPLP/TCLP-GOLD-4ozClr-NoPres SV8270, TS 4ozClr-NoPres V8260 40mlAmb HCl-BLK V8260 40mlAmb/MeOH10ml/Syr SVOCs 8270 18 Metals 6020 Mercury 7471 Hexachrom. 7194											 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: http://info.pacelab.com/totb/2015-standard-terms.pdf		
Project Description: Northgate Park		Client Project # 23050630		Lab Project # SMERLNC-NORTHGATE													SDG # 116A4721		
Phone: 919-872-2660		Site/Facility ID #		P.O. #													C020 L1703003 Acctnum: SMERLNC Template: T243915 Prelogin: P1044755 PM: 034 - Craig Cothron PB:		
Collected by (print): C. Wisea Parra		Collected by (signature): 		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day			Quote #												Shipped Via: FedEX Ground Remarks Sample # (lab only)
Immediately Packed on Ice: N <input type="checkbox"/> Y <input checked="" type="checkbox"/>		Date Results Needed		No. of Cntrs															
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time														
825-SB-130		SS		1/8/24	1015	4	X	X	X	X	X	X	X	X	X	X	X		
825-SB-131		SS			1020	4	X	X	X	X	X	X	X	X	X	X	X		
825-SB-132		SS			1025	4	X	X	X	X	X	X	X	X	X	X	X		
825-SB-133		SS			1105	4	X	X	X	X	X	X	X	X	X	X	X		
825-SB-134		SS			1110	4	X	X	X	X	X	X	X	X	X	X	X		
825-SB-135		SS			1120	4	X	X	X	X	X	X	X	X	X	X	X		
825-SB-136		SS			1125	4	X	X	X	X	X	X	X	X	X	X	X		
825-SB-137		SS			1030	4	X	X	X	X	X	X	X	X	X	X	X		
825-SB-138		SS			1140	4	X	X	X	X	X	X	X	X	X	X	X		
Trip Blank		WSS				4	X	X	X	X	X	X	X	X	X	X	X		

-05/10

* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: SPLP/TCLP on hold		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist Original Present/Intact: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Labels Signed/Accurate: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Labels arrive intact: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N No bottles used: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Client volume sent: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N If Applicable VC no Headspace: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Preservation Correct/Checked: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N RA screen <0.5 mR/hr: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
Relinquished by: (Signature) 		Date: 1/8/24	Time: 1630	Received by: (Signature)		Trip Blank Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No HCL/MeOH TBR	
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Temp: _____ °C Bottles Received: 32	
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) 		Date: 1/9/24	Time: 0930
						Condition: (E) OK	

L1692209/L1692273/L1693674/L1694721 SMERLNC RELOG

R5


Per client request relog the following for TCLP and SPLP PBG. Please request all containers from storage to make sue we have enough volume. should be 2-4oz and 1-2oz

- L1692209-05, 13
- L1692273-09
- L1693674-07
- L1694721-09p

Time estimate: oh

Time spent: oh

Members

 Craig Cothron

Comments

Andy Vann

7 February 2024 14:08

Appendix IV – NCDEQ Risk Calculator Outputs

North Carolina Department of Environmental Quality Risk Calculator

Version Date:	February 2024
Basis:	November 2023 EPA RSL Table
Site Name:	Northgate Park
Site Address:	300 W Club Blvd, Durham NC 27704
DEQ Section:	NONCD0000825
Site ID:	S&ME Project No. 23050630
Exposure Unit ID:	825 - Only VOC detections were input into the Risk Calculator
Submittal Date:	2/27/2024
Prepared By:	Chelsea Parra
Reviewed By:	Gerald Paul

Complete Exposure Pathways		Input Form 1A
Version Date: February 2024		
Basis: November 2023 EPA RSL Table		
Site ID: S&ME Project No. 23050630		
Exposure Unit ID: 825 - Only VOC detections were input into the Risk Calculator		
<i>Note: Risk output will only be calculated for complete exposure pathways.</i>		
Receptor	Pathway	Check box if pathway complete
DIRECT CONTACT SOIL AND WATER PATHWAYS		
Resident	Soil	<input checked="" type="checkbox"/>
	Groundwater Use	<input type="checkbox"/>
Non-Residential Worker	Soil	<input checked="" type="checkbox"/>
	Groundwater Use	<input type="checkbox"/>
Construction Worker	Soil	<input checked="" type="checkbox"/>
Recreator/Trespasser	Soil	<input checked="" type="checkbox"/>
	Surface Water	<input type="checkbox"/>
VAPOR INTRUSION PATHWAYS		
Resident	Groundwater to Indoor Air	<input type="checkbox"/>
	Soil Gas to Indoor Air	<input type="checkbox"/>
	Indoor Air	<input type="checkbox"/>
Non-Residential Worker	Groundwater to Indoor Air	<input type="checkbox"/>
	Soil Gas to Indoor Air	<input type="checkbox"/>
	Indoor Air	<input type="checkbox"/>
CONTAMINANT MIGRATION PATHWAYS		
Groundwater	Source Soil	<input type="checkbox"/>
	Source Groundwater	<input type="checkbox"/>
Surface Water	Source Soil	<input type="checkbox"/>
	Source Groundwater	<input type="checkbox"/>

Exposure Point Concentrations

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: S&ME Project No. 23050630

Exposure Unit ID: 825 - Only VOC detections were input into the Risk Calculator

Soil Exposure Point Concentration Table

Description of Exposure Point Concentration Selection:

NOTE: If the chemical list is changed from a prior calculator run, remember to select "See All Chemicals" on the data output sheet or newly added chemicals will not be included in risk calculations

Exposure Point Concentration (mg/kg)	Notes:	CAS Number	Chemical For the chemicals highlighted in blue, data entry notes are provided in the PSRG Table link on the Main Menu	Minimum Concentration (Qualifier)	Maximum Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening	Background Value	Screening Toxicity Value (Screening Level) (n/c)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion
1.47		67-64-1	Acetone			mg/kg	825-SB-87									
0.0205		71-43-2	Benzene			mg/kg	825-SB-86									
0.0214		104-51-8	Butylbenzene, n-			mg/kg	825-SB-01									
0.00388		67-66-3	Chloroform			mg/kg	825-SB-117									
0.0219		100-41-4	Ethylbenzene			mg/kg	825-SB-86									
3480		7439-92-1	~Lead and Compounds			mg/kg	825-SB-92									
0.0582		91-20-3	~Naphthalene		C3	mg/kg	825-SB-90									
0.0284		103-65-1	Propyl benzene			mg/kg	825-SB-26									
0.0223		100-42-5	Styrene			mg/kg	825-SB-121									
0.0179		108-88-3	Toluene			mg/kg	825-SB-84									
0.0081		95-63-6	Trimethylbenzene, 1,2,4-			mg/kg	825-SB-82									
0.00992		108-67-8	Trimethylbenzene, 1,3,5-			mg/kg	825-SB-61									
0.0187		1330-20-7	Xylenes			mg/kg	825-SB-82									

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: S&ME Project No. 23050630

Exposure Unit ID: 825 - Only VOC detections were input into the Risk Calculator

DIRECT CONTACT SOIL AND WATER CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Soil	5.9E-08	8.2E-04	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	1.4E-08	1.7E-04	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	2.4E-09	5.8E-04	NO
Recreator/Trespasser	Soil	1.1E-08	1.3E-04	NO
	Surface Water*	NC	NC	NC

VAPOR INTRUSION CALCULATORS

Receptor	Pathway	Carcinogenic Risk	Hazard Index	Risk exceeded?
Resident	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC
Non-Residential Worker	Groundwater to Indoor Air	NC	NC	NC
	Soil Gas to Indoor Air	NC	NC	NC
	Indoor Air	NC	NC	NC

CONTAMINANT MIGRATION CALCULATORS

Pathway	Source	Target Receptor Concentrations Exceeded?	
Groundwater	Source Soil	Exceedence of 2L at Receptor?	NC
	Source Groundwater	Exceedence of 2L at Receptor?	NC
Surface Water	Source Soil	Exceedence of 2B at Receptor?	NC
	Source Groundwater	Exceedence of 2B at Receptor?	NC

Notes:

1. If lead concentrations were entered in the exposure point concentration tables, see the individual calculator sheets for lead concentrations in comparison to screening levels. Note that lead is not included in cumulative risk calculations.
2. * = If concentrations in groundwater exceed the NC 2L Standards or IMAC, or concentrations in surface water exceed the NC 2B Standards, appropriate remediation and/or institutional control measures will be necessary to be eligible for a risk-based closure.
3. NM = Not modeled, user did not check this pathway as complete.
4. NC = Pathway not calculated, required contaminant migration parameters were not entered.

Version Date: February 2024 NOTE: If any changes were made, select "Update Sitewide Risk Values" to obtain updated values.

Basis: November 2023 EPA RSL Table

Site ID: S&ME Project No. 23050630

Exposure Unit ID: 825 - Only VOC detections were input into the Risk Calculator

Receptor	Pathway	Resident - Current Scenario			Resident - Future Scenario			Non-Residential Worker - Current Scenario			Non-Residential Worker - Future Scenario			Construction Worker			Recreator/Trespasser		
		Check box to include in site-wide risk calculations	Carcinogenic Risk	Hazard Index	Check box to include in site-wide risk calculations	Carcinogenic Risk	Hazard Index	Check box to include in site-wide risk calculations	Carcinogenic Risk	Hazard Index	Check box to include in site-wide risk calculations	Carcinogenic Risk	Hazard Index	Check box to include in site-wide risk calculations	Carcinogenic Risk	Hazard Index	Check box to include in site-wide risk calculations	Carcinogenic Risk	Hazard Index
DIRECT CONTACT SOIL AND WATER CALCULATORS																			
Resident	Soil	<input checked="" type="checkbox"/>	5.9E-08	8.2E-04	<input checked="" type="checkbox"/>	5.9E-08	8.2E-04												
	Groundwater Use*	<input type="checkbox"/>	NM	NM	<input type="checkbox"/>	NM	NM												
Non-Residential Worker	Soil							<input checked="" type="checkbox"/>	1.4E-08	1.7E-04	<input checked="" type="checkbox"/>	1.4E-08	1.7E-04						
	Groundwater Use*							<input type="checkbox"/>	NM	NM	<input type="checkbox"/>	NM	NM						
Construction Worker	Soil												<input checked="" type="checkbox"/>	2.4E-09	5.8E-04				
Recreator/Trespasser	Soil																<input checked="" type="checkbox"/>	1.1E-08	1.3E-04
	Surface Water Use*																<input type="checkbox"/>	NM	NM
VAPOR INTRUSION CALCULATORS																			
Resident	Groundwater to Indoor Air	<input type="checkbox"/>	NM	NM	<input type="checkbox"/>	NM	NM												
	Soil Gas to Indoor Air	<input type="checkbox"/>	NM	NM	<input type="checkbox"/>	NM	NM												
	Indoor Air	<input type="checkbox"/>	NM	NM	<input type="checkbox"/>	NM	NM												
Non-Residential Worker	Groundwater to Indoor Air							<input type="checkbox"/>	NM	NM	<input type="checkbox"/>	NM	NM						
	Soil Gas to Indoor Air							<input type="checkbox"/>	NM	NM	<input type="checkbox"/>	NM	NM						
	Indoor Air							<input type="checkbox"/>	NM	NM	<input type="checkbox"/>	NM	NM						
TOTAL SITEWIDE RISK FOR EACH RECEPTOR			5.9E-08	8.2E-04		5.9E-08	8.2E-04		1.4E-08	1.7E-04		1.4E-08	1.7E-04		2.4E-09	5.8E-04		1.1E-08	1.3E-04

- Notes:
- 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.
 - * = 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.
 - NM = Not Modeled
 - NC = Pathway not calculated

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: S&ME Project No. 23050630

Exposure Unit ID: 825 - Only VOC detections were input into the Risk Calculator

* - 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, which is used below for comparison to be conservative.

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk*	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient*	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	1.47	1.47	1.47					2.1E-05			2.1E-05
71-43-2	Benzene	0.0205	0.0205	0.0205	1.6E-09		1.5E-08	1.7E-08	6.6E-05		1.7E-04	2.4E-04
104-51-8	Butylbenzene, n-	0.0214	0.0214	0.0214					5.5E-06			5.5E-06
67-66-3	Chloroform	0.00388	0.00388	0.00388	1.7E-10		1.0E-08	1.0E-08	5.0E-06		1.2E-05	1.7E-05
100-41-4	Ethylbenzene	0.0219	0.0219	0.0219	3.5E-10		3.2E-09	3.6E-09	5.6E-06		3.5E-06	9.1E-06
7439-92-1	~Lead and Compounds	3480	3480	3480					>SL**	>SL**	>SL**	
91-20-3	~Naphthalene	0.0582	0.0582	0.0582	1.0E-08	3.7E-09	1.4E-08	2.8E-08	3.7E-05	1.1E-05	3.8E-04	4.3E-04
103-65-1	Propyl benzene	0.0284	0.0284	0.0284					3.6E-06		3.7E-06	7.3E-06
100-42-5	Styrene	0.0223	0.0223	0.0223					1.4E-06		2.1E-06	3.6E-06
108-88-3	Toluene	0.0179	0.0179	0.0179					2.9E-06		7.5E-07	3.6E-06
95-63-6	Trimethylbenzene, 1,2,4-	0.0081	0.0081	0.0081					1.0E-05		1.5E-05	2.6E-05
108-67-8	Trimethylbenzene, 1,3,5-	0.00992	0.00992	0.00992					1.3E-05		2.3E-05	3.5E-05
1330-20-7	Xylenes	0.0187	0.0187	0.0187					1.2E-06		2.9E-05	3.1E-05

Cumulative:

5.9E-08

8.2E-04

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: S&ME Project No. 23050630

Exposure Unit ID: 825 - Only VOC detections were input into the Risk Calculator

* - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.

** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 800 mg/kg for commercial/industrial soil.

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	1.47	1.47	1.47					1.4E-06			1.4E-06
71-43-2	Benzene	0.0205	0.0205	0.0205	3.4E-10		3.5E-09	3.8E-09	4.4E-06		4.1E-05	4.6E-05
104-51-8	Butylbenzene, n-	0.0214	0.0214	0.0214					3.7E-07			3.7E-07
67-66-3	Chloroform	0.00388	0.00388	0.00388	3.7E-11		2.3E-09	2.4E-09	3.3E-07		2.9E-06	3.2E-06
100-41-4	Ethylbenzene	0.0219	0.0219	0.0219	7.4E-11		7.4E-10	8.1E-10	3.8E-07		8.3E-07	1.2E-06
7439-92-1	~Lead and Compounds	3480	3480	3480					>SL**	>SL**	>SL**	
91-20-3	~Naphthalene	0.0582	0.0582	0.0582	2.1E-09	1.2E-09	3.3E-09	6.6E-09	2.5E-06	1.4E-06	9.0E-05	9.4E-05
103-65-1	Propyl benzene	0.0284	0.0284	0.0284					2.4E-07		8.7E-07	1.1E-06
100-42-5	Styrene	0.0223	0.0223	0.0223					9.5E-08		5.1E-07	6.1E-07
108-88-3	Toluene	0.0179	0.0179	0.0179					1.9E-07		1.8E-07	3.7E-07
95-63-6	Trimethylbenzene, 1,2,4-	0.0081	0.0081	0.0081					6.9E-07		3.7E-06	4.4E-06
108-67-8	Trimethylbenzene, 1,3,5-	0.00992	0.00992	0.00992					8.5E-07		5.4E-06	6.2E-06
1330-20-7	Xylenes	0.0187	0.0187	0.0187					8.0E-08		7.0E-06	7.1E-06

Cumulative:

1.4E-08

1.7E-04

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: S&ME Project No. 23050630

Exposure Unit ID: 825 - Only VOC detections were input into the Risk Calculator

* - Note that inhalation on this calculator refers to outdoor inhalation of volatiles and particulates, not indoor inhalation associated with vapor intrusion.

** - Note that the EPA has no consensus on reference dose or cancer slope factor values for lead, therefore it is not possible to calculate cancer risk or hazard quotient. Lead concentrations are compared to the EPA screening level of 800 mg/kg for commercial/industrial soil.

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	1.47	1.47	1.47					7.2E-06			7.2E-06
71-43-2	Benzene	0.0205	0.0205	0.0205	4.6E-11		6.6E-10	7.0E-10	6.0E-06		7.7E-05	8.3E-05
104-51-8	Butylbenzene, n-	0.0214	0.0214	0.0214					6.3E-07			6.3E-07
67-66-3	Chloroform	0.00388	0.00388	0.00388	4.9E-12		4.9E-10	5.0E-10	1.1E-07		6.4E-06	6.5E-06
100-41-4	Ethylbenzene	0.0219	0.0219	0.0219	9.7E-12		1.4E-10	1.5E-10	1.3E-06		4.6E-07	1.7E-06
7439-92-1	~Lead and Compounds	3480	3480	3480					>SL**	>SL**	>SL**	
91-20-3	~Naphthalene	0.0582	0.0582	0.0582	2.8E-10	1.2E-10	6.3E-10	1.0E-09	2.9E-07	1.2E-07	4.5E-04	4.5E-04
103-65-1	Propyl benzene	0.0284	0.0284	0.0284					8.4E-07		4.3E-06	5.1E-06
100-42-5	Styrene	0.0223	0.0223	0.0223					3.3E-07		8.4E-07	1.2E-06
108-88-3	Toluene	0.0179	0.0179	0.0179					6.6E-08		8.9E-07	9.5E-07
95-63-6	Trimethylbenzene, 1,2,4-	0.0081	0.0081	0.0081					6.0E-07		5.4E-06	6.0E-06
108-67-8	Trimethylbenzene, 1,3,5-	0.00992	0.00992	0.00992					7.3E-07		8.0E-06	8.7E-06
1330-20-7	Xylenes	0.0187	0.0187	0.0187					1.4E-07		8.6E-06	8.8E-06

Cumulative:

2.4E-09

5.8E-04

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: S&ME Project No. 23050630

Exposure Unit ID: 825 - Only VOC detections were input into the Risk Calculator

* - 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, which is used below for comparison to be conservative.

Receptor Type:

CAS #	Chemical Name:	Ingestion Concentration (mg/kg)	Dermal Concentration (mg/kg)	Inhalation Concentration (mg/kg)*	Ingestion Carcinogenic Risk	Dermal Carcinogenic Risk	Inhalation Carcinogenic Risk	Calculated Carcinogenic Risk	Ingestion Hazard Quotient	Dermal Hazard Quotient	Inhalation Hazard Quotient	Calculated Non-Carcinogenic Hazard Quotient
67-64-1	Acetone	1.47	1.47	1.47					1.2E-05			1.2E-05
71-43-2	Benzene	0.0205	0.0205	0.0205	9.0E-10		7.0E-10	1.6E-09	3.7E-05		8.1E-06	4.5E-05
104-51-8	Butylbenzene, n-	0.0214	0.0214	0.0214					3.0E-06			3.0E-06
67-66-3	Chloroform	0.00388	0.00388	0.00388	9.6E-11		4.7E-10	5.7E-10	2.8E-06		5.6E-07	3.3E-06
100-41-4	Ethylbenzene	0.0219	0.0219	0.0219	1.9E-10		1.5E-10	3.4E-10	3.1E-06		1.6E-07	3.3E-06
7439-92-1	~Lead and Compounds	3480	3480	3480					>SL**	>SL**	>SL**	
91-20-3	~Naphthalene	0.0582	0.0582	0.0582	5.6E-09	2.0E-09	6.6E-10	8.3E-09	2.1E-05	6.4E-06	1.8E-05	4.5E-05
103-65-1	Propyl benzene	0.0284	0.0284	0.0284					2.0E-06		1.7E-07	2.2E-06
100-42-5	Styrene	0.0223	0.0223	0.0223					7.9E-07		1.0E-07	8.9E-07
108-88-3	Toluene	0.0179	0.0179	0.0179					1.6E-06		3.5E-08	1.6E-06
95-63-6	Trimethylbenzene, 1,2,4-	0.0081	0.0081	0.0081					5.8E-06		7.1E-07	6.5E-06
108-67-8	Trimethylbenzene, 1,3,5-	0.00992	0.00992	0.00992					7.1E-06		1.0E-06	8.1E-06
1330-20-7	Xylenes	0.0187	0.0187	0.0187					6.7E-07		1.4E-06	2.0E-06

Cumulative:

1.1E-08

1.3E-04