Remedial Investigation Report
Soil Cover Evaluation
Lyon Park – NONCD0000822
Durham, Durham County, North Carolina
Task Order 822DP-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**
Lyon Park - 1101 Cornell Street & 1200 W. Lakewood Avenue
Durham, Durham County, North Carolina
NCDEQ ID No. NONCD0000822
NCDEQ Task Order 822DP-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. 23050630G, dated November 29, 2023, for Task Order 822DP-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.

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

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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Appendices

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. 23050630G, dated November 29, 2023, for Task Order 822DP-2:

- Evaluated thickness of soil cover via soil borings;
- Collected soil cover samples for laboratory analysis;
- 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 169 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.

From December 19, 2023, through December 21, 2023, and on January 15, 2024, S&ME advanced 52 composite soil cover borings (822-SB-01 through 822-SB-52). A Site Map is shown as **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). Coordinates of the soil cover borings are included in **Appendix I**. Depth of waste and soil classifications for the 52 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 three inches to greater than twelve inches. Shallow waste was encountered in five soil composite grids at depths ranging from three inches to twelve inches bgs. Waste was not encountered in 47 soil composite grids up

to the boring termination depth of 12 inches bgs. The soil cover material mostly consists of brown topsoil, sandy clay and clayey sand. Boring logs for all 52 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 below ground surface (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 52 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/or Zinc) by EPA Methd 6020, mercury by EPA Method 7471 and/or Hexavalent Chromium by EPA Method 7199. Some samples were not analyzed for the entire analyte list shown above based upon direction from NCDEQ; all samples were analyzed for lead and VOCs.

Additionally, three samples (approximately 6% of analyzed samples) with the highest reported lead concentrations (822-SB-01, 822-SB-11, and 822-SB-32) 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 50.1 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 3 of the 52 composite grid locations. 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 Lyon 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.

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 detected VOC 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 3 of the 52 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 8 of the 52 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

- One duplicate sample was collected during sampling. The duplicate sample was taken at 822-SB-44 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. 23050630G, dated November 29, 2023, for Task Order 822DP-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

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.

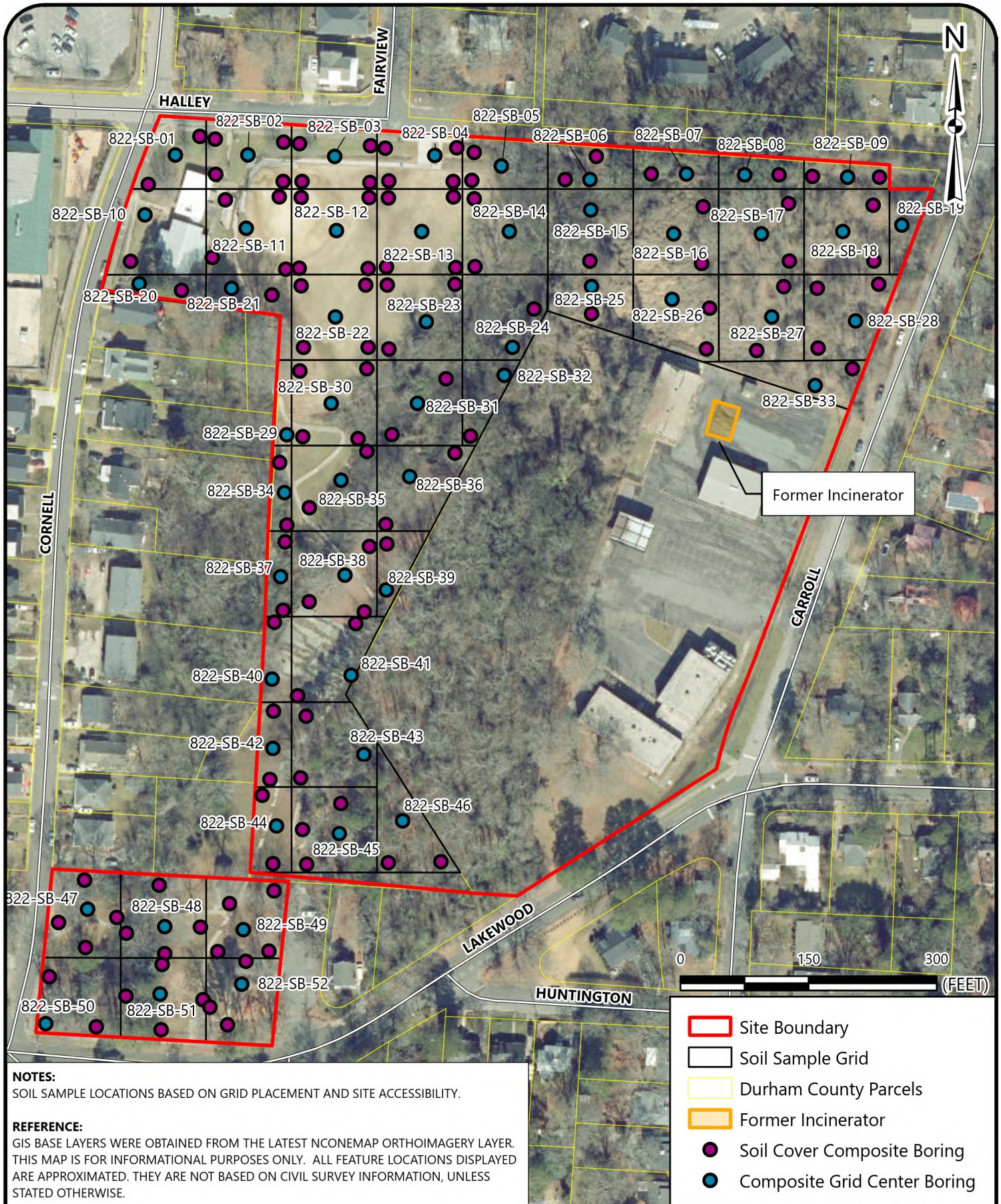
Gail L. Kluever

Notary Public (signature)

(OFFICIAL SEAL)
Gail L. Kluever NOTARY My Comm. Exp. 07-26-2026 PUBLIC Wake County, NC

My commission expires: 7/26/2026

Figures



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

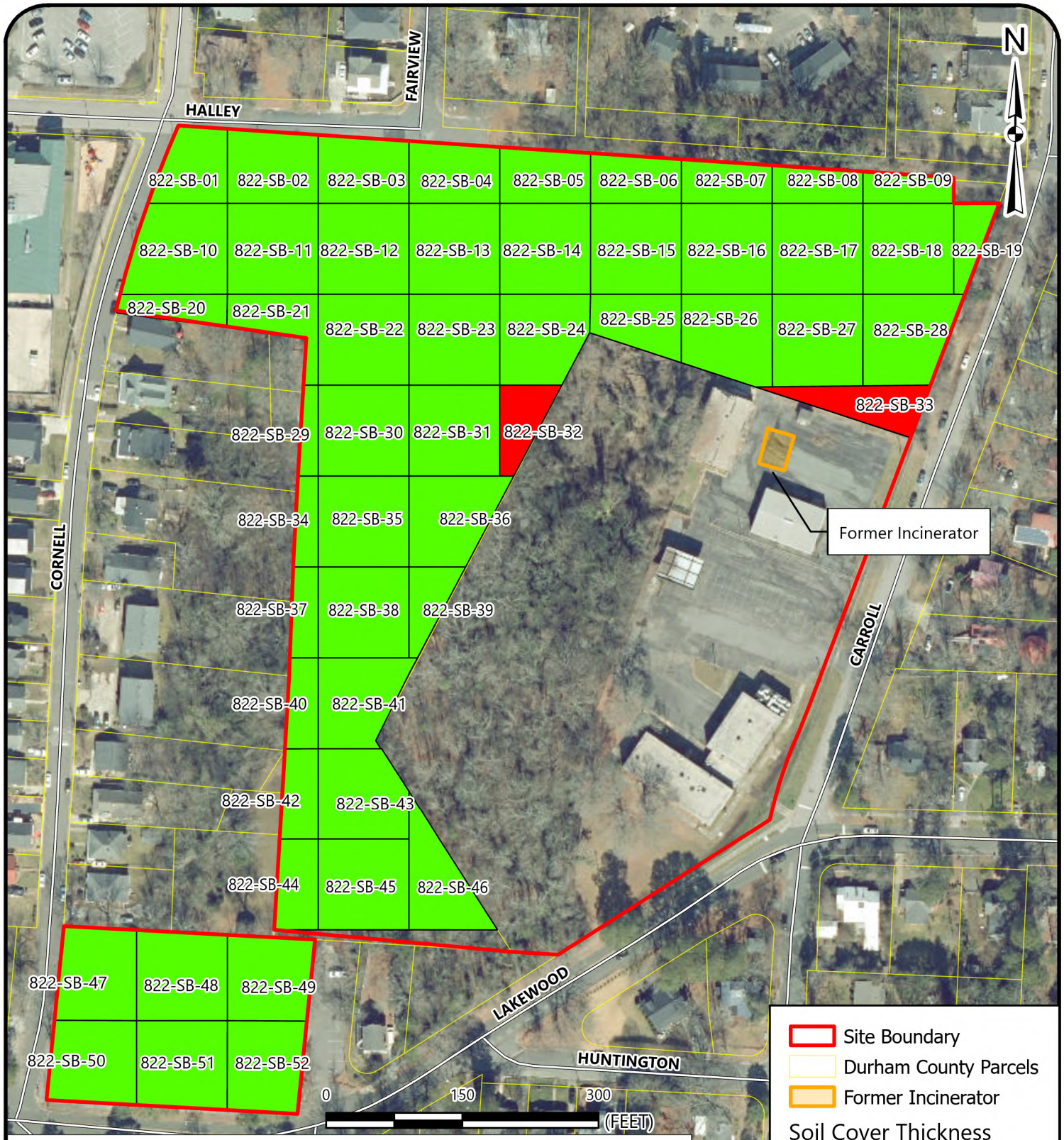
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE LATEST NCONEMAP ORTHOIMAGERY LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

SITE MAP WITH SOIL COVER BORING LOCATIONS

LYON PARK
NCDEQ ID NO. NONCD0000822, TASK ORDER 822DP-2
1101 CORNELL STREET & 1200 W. LAKEWOOD AVENUE
DURHAM, NORTH CAROLINA

SCALE: 1 in = 150 ft
DATE: 2/29/2024
PROJECT NUMBER 23050630
FIGURE NO. 1

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



NOTES:
THICKNESS RESULTS TAKEN FROM SOIL COVER SAMPLING CONDUCTED ON 12/19/2023 THROUGH 12/21/2023 AND ON 1/15/2024.

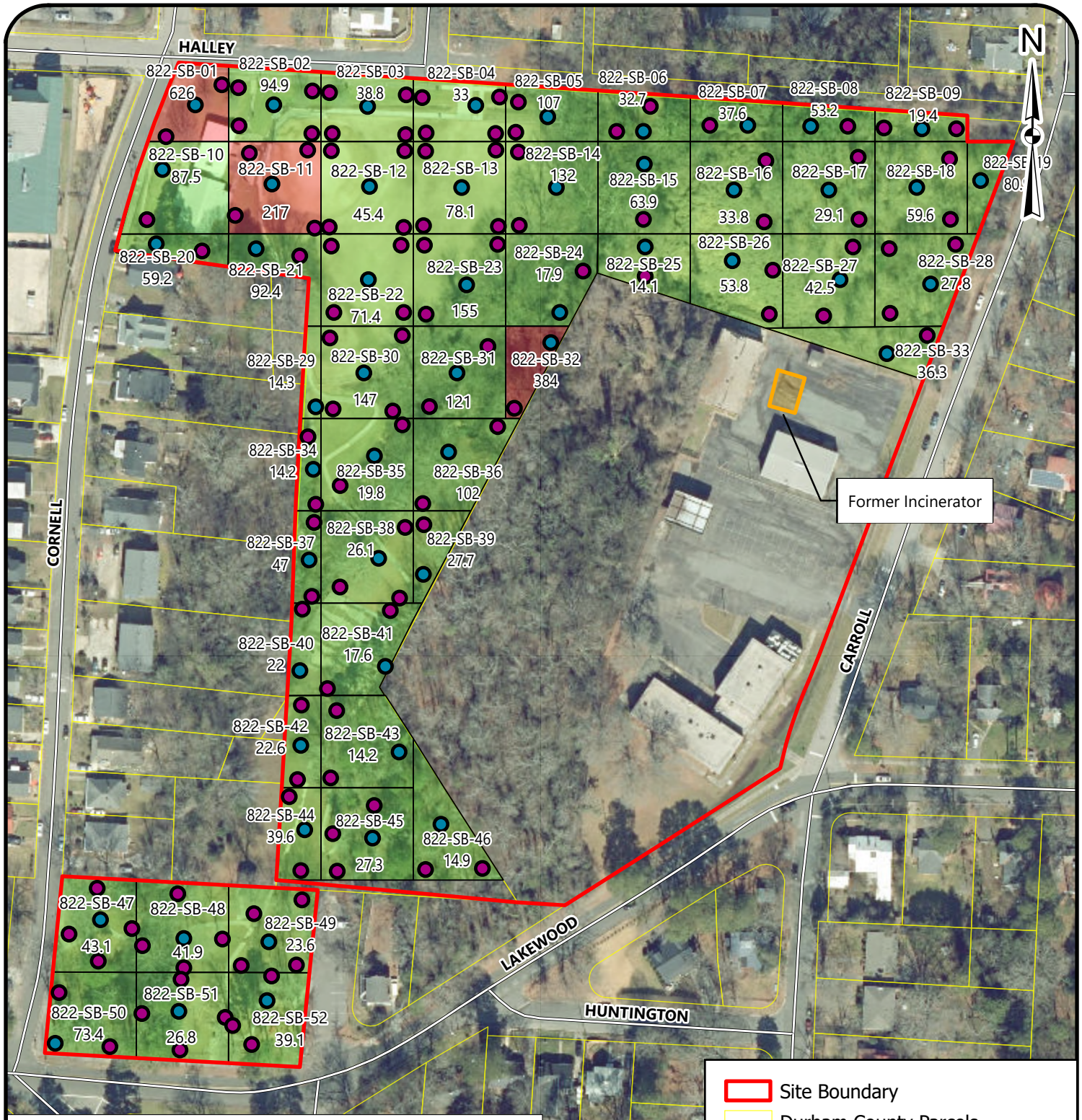
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE USGS NATIONAL TOPOGRAPHIC MAP LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

SOIL COVER THICKNESS RESULTS - S&ME DATA

LYON PARK
NCDEQ ID NO. NONCD0000822, TASK ORDER 824DP-2
1101 CORNELL STREET & 1200 W. LAKEWOOD AVENUE
DURHAM, NORTH CAROLINA

SCALE:	FIGURE NO.
1 in = 150 ft	2
DATE: 2/29/2024	
PROJECT NUMBER 23050630	

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



Site Boundary
Durham County Parcels
Former Incinerator
Lead Concentration <200 mg/kg
Lead Concentration >200 mg/kg
Composite Grid Center Boring
Soil Cover Composite Boring

NOTES:
SOIL SAMPLES COLLECTED ON 12/19/2023 THROUGH 12/21/2023 AND ON 1/15/2024 BY S&ME. LEAD CONCENTRATIONS ARE REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg).

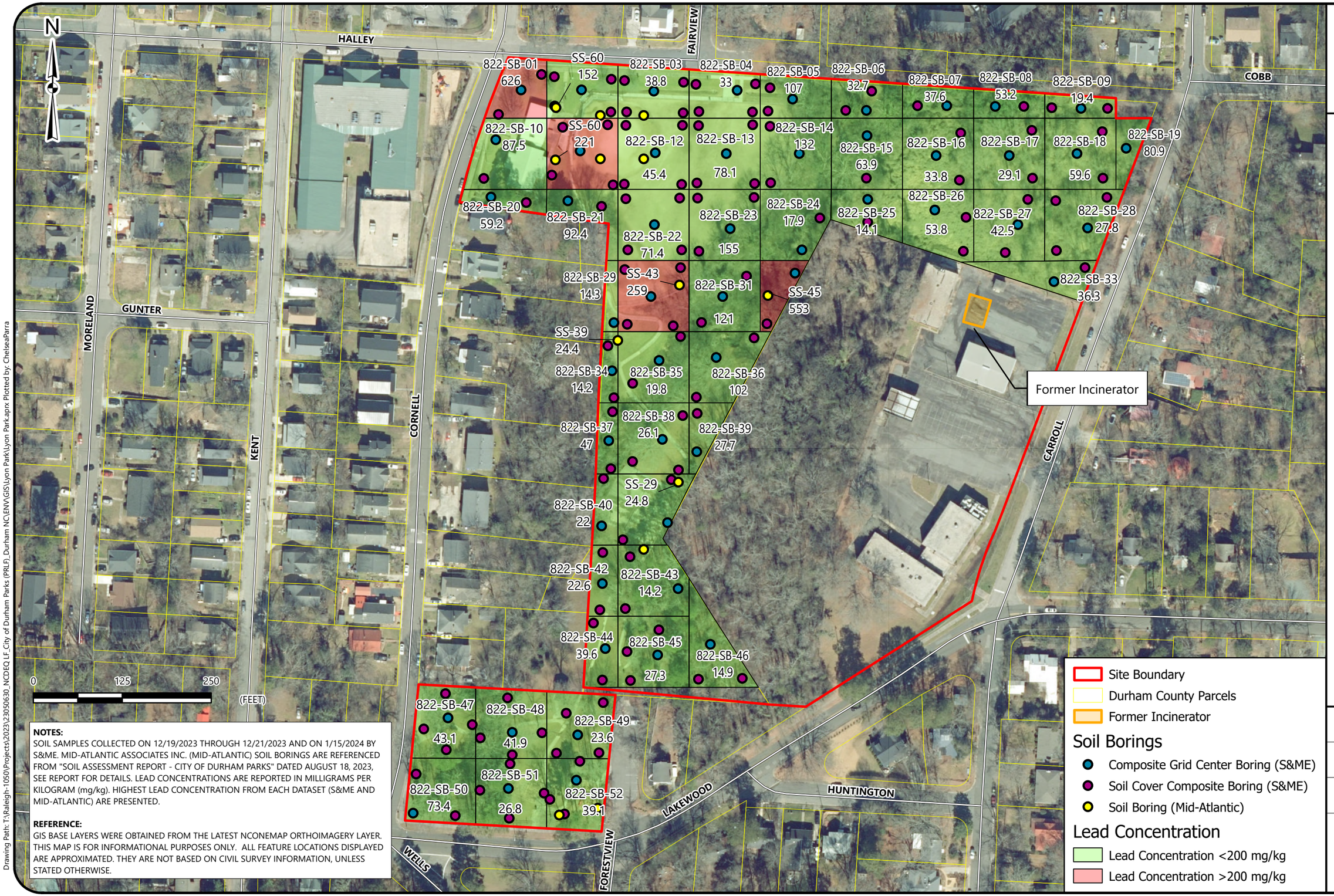
REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE USGS NATIONAL TOPOGRAPHIC MAP LAYER. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

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

LEAD CONCENTRATIONS MAP - S&ME DATA

LYON PARK
NCDEQ ID NO. NONCD0000822, TASK ORDER 822DP-2
1101 CORNELL STREET & 1200 W. LAKEWOOD AVENUE
DURHAM, NORTH CAROLINA

SCALE: 1 in = 150 ft
DATE: 2/23/2024
PROJECT NUMBER 23050630
FIGURE NO. 3



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. 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.

- Site Boundary
- Durham County Parcels
- Former Incinerator

Soil Borings

- Composite Grid Center Boring (S&ME)
- Soil Cover Composite Boring (S&ME)
- Soil Boring (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

LYON PARK
NCDEQ ID NO. NONCD0000822, TASK ORDER 822DP-2
1101 CORNELL STREET & 1200 W. LAKEWOOD AVENUE
DURHAM, NORTH CAROLINA

SCALE: 1 in = 125 ft

DATE: 2/23/2024

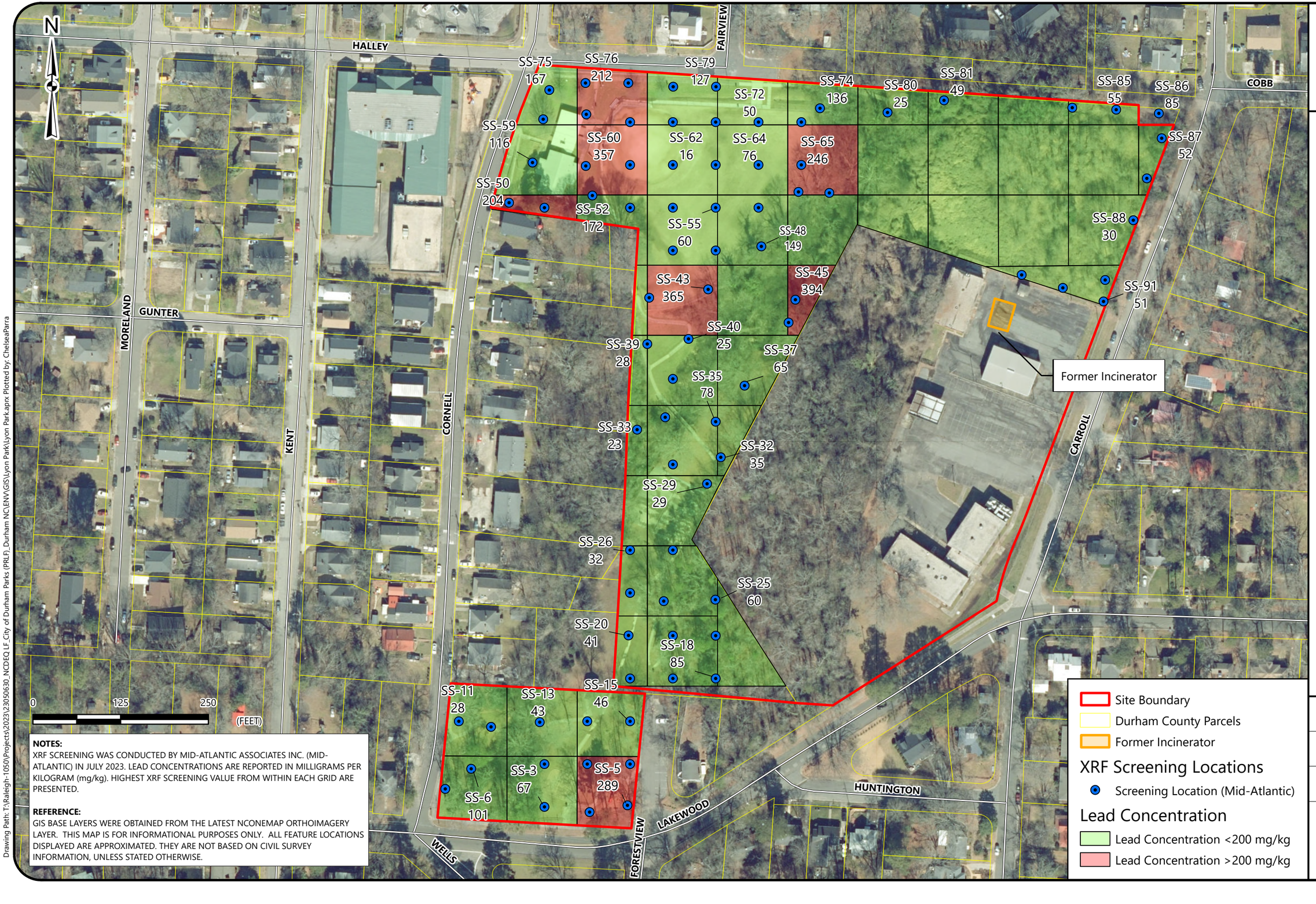
PROJECT NUMBER 23050630

FIGURE NO. **4A**

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

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

LYON PARK
NCDEQ ID NO. NONCD0000822, TASK ORDER 822DP-2
1101 CORNELL STREET & 1200 W. LAKEWOOD AVENUE
DURHAM, NORTH CAROLINA



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.

Site Boundary
Durham County Parcels
Former Incinerator

XRF Screening Locations
- Screening Location (Mid-Atlantic)

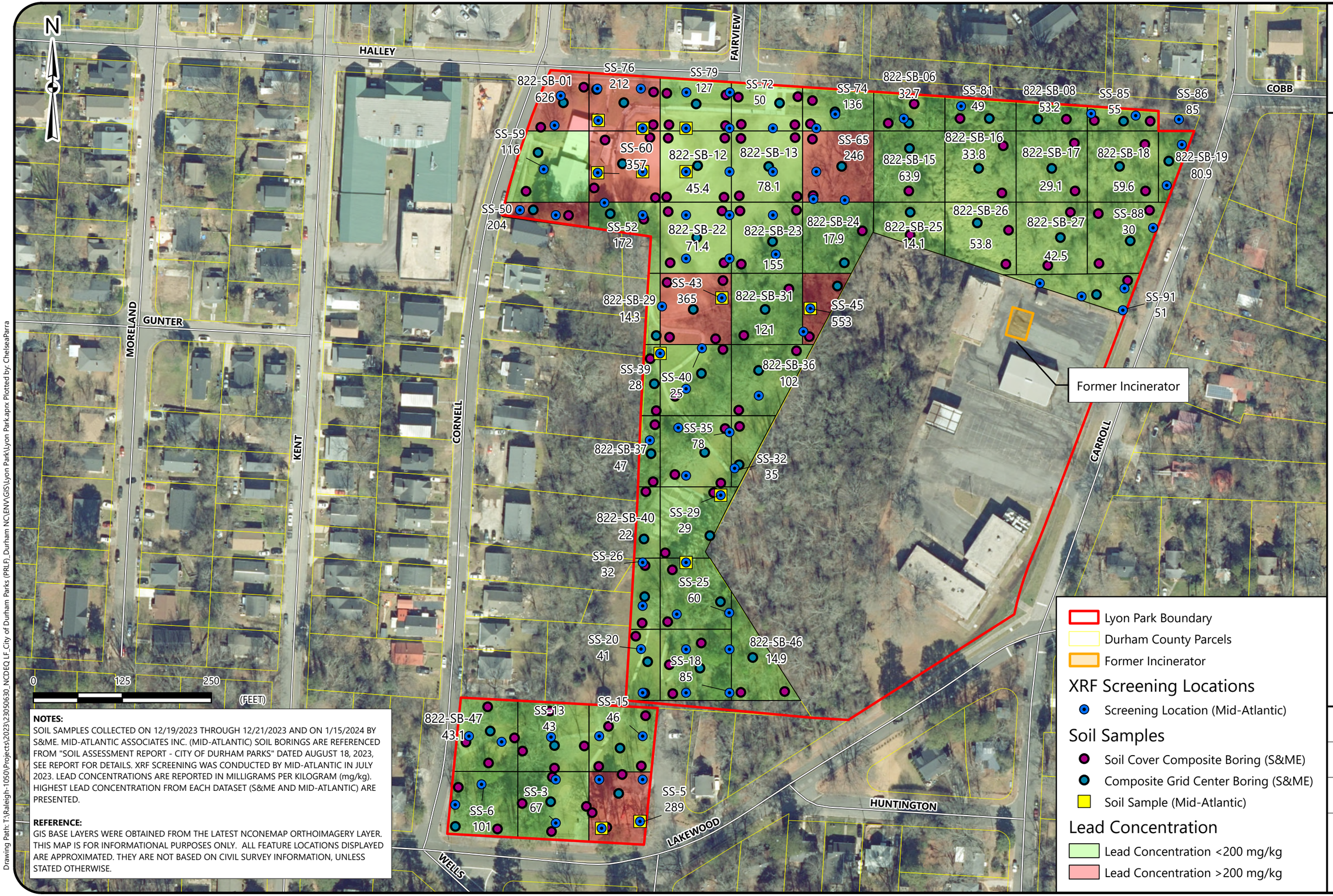
Lead Concentration
- Lead Concentration <200 mg/kg
- Lead Concentration >200 mg/kg

SCALE: 1 in = 125 ft
DATE: 2/23/2024
PROJECT NUMBER: 23050630
FIGURE NO.: **4B**

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

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

LYON PARK
NCDEQ ID NO. NONCD0000822, TASK ORDER 822DP-2
1101 CORNELL STREET & 1200 W. LAKEWOOD AVENUE
DURHAM, NORTH CAROLINA



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.

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- Lyon Park Boundary
- Durham County Parcels
- Former Incinerator

XRF Screening Locations
- Screening Location (Mid-Atlantic)

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

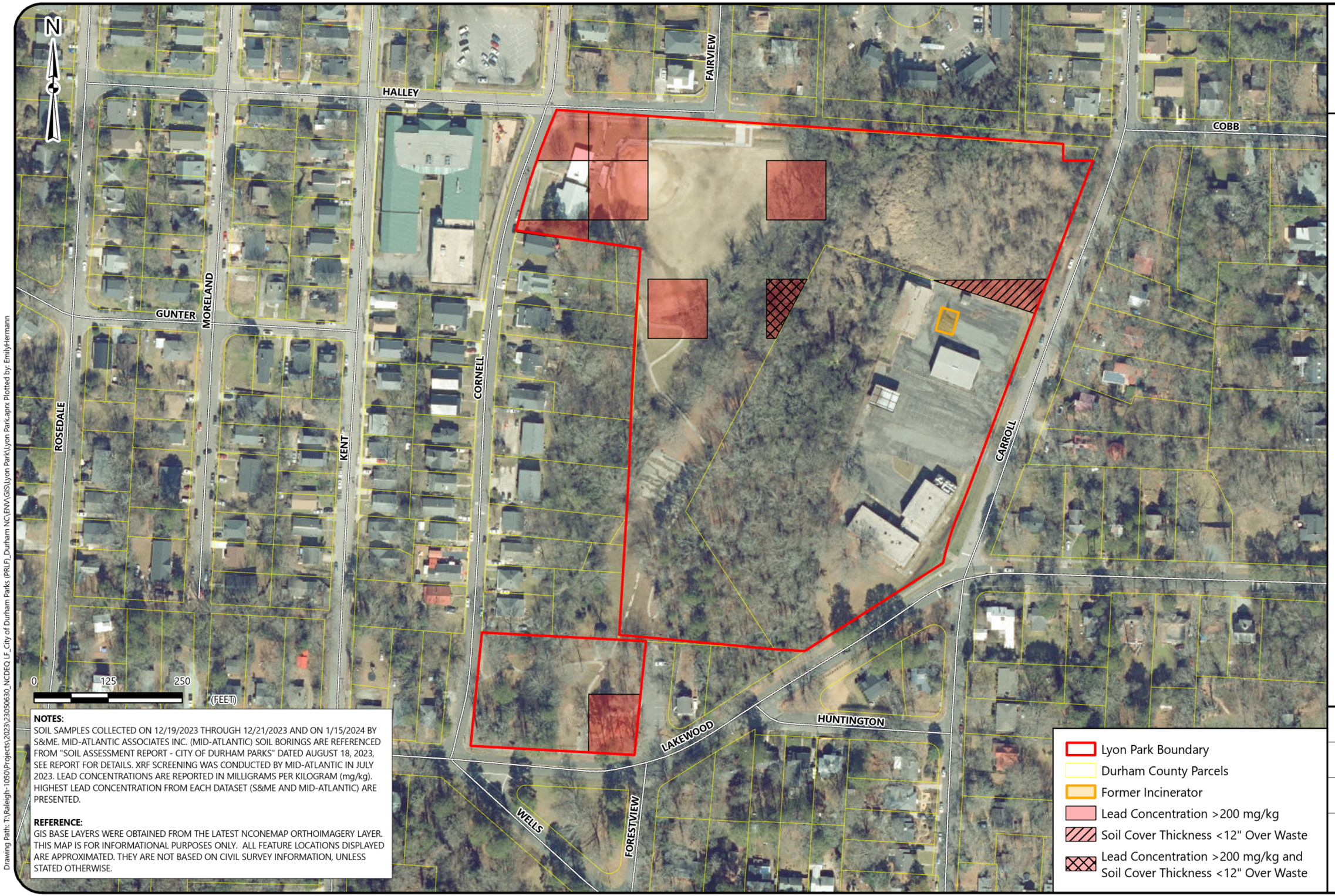
Lead Concentration
- Lead Concentration <200 mg/kg
- Lead Concentration >200 mg/kg

SCALE: 1 in = 125 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 (PRLF)_Durham NC\ENV\GIS\Lyon Park\Lyon Park.aprx Plotted by: ChelseaParra

COMBINED QUALITY AND THICKNESS MAP

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



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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.

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SCALE:
1 in = 150 ft

DATE:
3/6/2024

PROJECT NUMBER
23050630

FIGURE NO.
5

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

Tables

TABLE 1
Soil Sample Analytical Results Summary
City of Durham Parks PRLF
S&ME Project No. 23050630
822-Lyon Park

Analytical Method		Volatile Organic Compounds by EPA Method 8260D (mg/kg)									
Analyte		Acetone	Benzene	p-Isopropyltoluene	Methyl tert-butyl ether	Naphthalene	Styrene	Tetrachloroethene	Toluene	1,2,4 - Trimethylbenzene	Total Xylenes
Sample ID	Date Collected										
822-SB-01	12/20/2023	<0.0726	<0.00145	<0.00726	<0.00145	<0.0182	<0.0182	<0.00363	**0.0122**	<0.00726	**0.0127**
822-SB-02	12/20/2023	<0.0670	0.00134	<0.00670	<0.00134	<0.0168	<0.0168	<0.00335	<0.00670	<0.00670	0.00884
822-SB-03	12/20/2023	<0.0701	<0.00140	<0.00701	<0.00140	<0.0175	<0.0175	<0.00350	<0.00701	<0.00701	<0.00911
822-SB-04	12/20/2023	<0.0772	<0.00154	**0.0242**	<0.00154	<0.0193	<0.0193	<0.00386	<0.00772	<0.00772	<0.0100
822-SB-05	12/20/2023	<0.0783 C3	**0.0018**	**0.013**	<0.00157	**0.224 C3**	<0.0196	<0.00391	**0.0155**	**0.0107**	**0.031**
822-SB-06	1/15/2024	<0.0778	<0.00156	<0.00778	<0.00156	<0.0195 C3	<0.0195	<0.00389	<0.00778	<0.00778	<0.0101
822-SB-07	1/15/2024	<0.0742	<0.00148	<0.00742	<0.00148	<0.0185 C3	<0.0185	<0.00371	<0.00742	<0.00742	**0.0133**
822-SB-08	1/15/2024	<0.0727	<0.00145	<0.00727	<0.00145	<0.0182 C3	<0.0182	<0.00364	<0.00727	<0.00727	<0.00945
822-SB-09	12/20/2023	<0.0819 C3 J3	<0.00164	<0.00819	<0.00164	<0.0204	<0.0204	<0.00410	<0.00819	<0.00819	<0.0107
822-SB-10	12/20/2023	<0.0691	**0.00229**	<0.00691	<0.00138	<0.0173	<0.0173	<0.00345	**0.0253**	<0.00691	**0.024**
822-SB-11	12/20/2023	<0.0706	<0.00141	<0.00706	<0.00141	<0.0177	<0.0177	<0.00353	<0.00706	<0.00706	<0.00918
822-SB-12	12/20/2023	<0.0724	<0.00145	<0.00724	<0.00145	<0.0181	<0.0181	<0.00362	<0.00724	<0.00724	<0.00941
822-SB-13	12/20/2023	**0.405**	**0.00192**	<0.00801	**0.0127**	**0.0217**	<0.0200	**<0.00400**	**0.018**	<0.00801	**0.0306**
822-SB-14	12/20/2023	<0.0724	<0.00145	<0.00724	<0.00145	0.0568	<0.0181	<0.00362	**0.0125**	<0.00724	**0.0226**
822-SB-15	1/15/2024	<0.0792	**0.0201**	<0.00792	<0.00158	<0.0198 C3	<0.0198	<0.00396	<0.00792	<0.00792	<0.0103
822-SB-16	12/21/2023	<0.0849 C3 J3	<0.00170	<0.00849	<0.00170	<0.0213	<0.0213	<0.00425	<0.00849	<0.00849	<0.0110
822-SB-17	12/21/2023	<0.0867 C3 J3	<0.00173	<0.00867	<0.00173	<0.0217	<0.0217	<0.00435	<0.00867	<0.00867	<0.0113
822-SB-18	12/21/2023	**0.142 C3 J3**	**0.0182**	<0.00912	<0.00182	<0.0228	<0.0228	<0.00456	<0.00912	<0.00912	<0.0119
822-SB-19	12/21/2023	<0.0805 C3 J3	<0.00161	<0.00805	<0.00161	<0.0201	<0.0201	<0.00403	<0.00805	<0.00805	<0.0105
822-SB-20	12/20/2023	<0.0996 C3	<0.00199	**0.0536**	<0.00199	<0.0249 C3	<0.0249	<0.00498	<0.00996	<0.00996	**0.0149**
822-SB-21	12/20/2023	<0.0731	<0.00146	<0.00731	<0.00146	<0.0182	<0.0182	<0.00366	<0.00731	<0.00731	<0.00950
822-SB-22	12/20/2023	<0.0763	<0.00153	<0.00763	<0.00153	<0.0191	<0.0191	<0.00381	<0.00763	<0.00763	<0.00992
822-SB-23	12/20/2023	<0.0753	<0.00151	<0.00753	<0.00151	**0.0214**	<0.0188	<0.00377	**0.00941**	<0.00753	**0.0211**
822-SB-24	1/15/2024	<0.0953	<0.00191	<0.00953	<0.00191	<0.0238 C3	<0.0238	<0.00476	<0.00953	<0.00953	<0.0124
822-SB-25	12/21/2023	<0.0985	**0.00386**	<0.00985	<0.00197	**0.0337 C3**	<0.0246	<0.00493	**0.0211**	<0.00985	**0.0196**
822-SB-26	12/21/2023	<0.0842 C3 J3	<0.00168	<0.00842	<0.00168	<0.0211	<0.0211	<0.00421	<0.00842	<0.00842	<0.0110
822-SB-27	12/21/2023	<0.0939 C3 J3	<0.00188	<0.00939	<0.00188	<0.0235	<0.0235	<0.00469	<0.00939	<0.00939	<0.0122
822-SB-28	12/21/2023	**0.0887 C3 J3**	<0.00158	<0.00788	<0.00158	<0.0197	<0.0197	<0.00395	<0.00788	<0.00788	<0.0102
822-SB-29	12/20/2023	<0.0810	<0.00162	<0.00810	<0.00162	<0.0203	<0.0203	<0.00405	<0.00810	<0.00810	<0.0105
822-SB-30	12/20/2023	<0.0698	**0.00218**	<0.00698	<0.00140	<0.0174	<0.0174	<0.00349	**0.0125**	<0.00698	**0.018**
822-SB-31	12/20/2023	<0.0788	**0.00587**	<0.00788	<0.00158	**0.0228**	<0.0198	<0.00394	**0.0173**	**0.00929**	**0.03**
822-SB-32	12/20/2023	<0.0966	<0.00193	<0.00966	<0.00193	<0.0241	<0.0241	<0.00484	<0.00966	<0.00966	<0.0125
822-SB-33	12/20/2023	<0.0674 C3 J3	<0.00135	<0.00674	<0.00135	<0.0168	<0.0168	<0.00337	<0.00674	<0.00674	<0.00876
822-SB-34	12/19/2023	<0.0959 C3	<0.00192	<0.00959	<0.00192	<0.0239 C3	<0.0239 C3	<0.00480	<0.00959	<0.00959	<0.0125
822-SB-35	12/19/2023	<0.0784 C3	<0.00157	<0.00784	<0.00157	<0.0196 C3	<0.0196 C3	<0.00392	<0.00784	<0.00784	<0.0102
822-SB-36	12/20/2023	<0.0735	<0.00147	<0.00735	<0.00147	<0.0184	<0.0184	<0.00367	<0.00735	<0.00735	<0.00955
822-SB-37	12/19/2023	<0.0809 C3	<0.00162	<0.00809	<0.00162	<0.0202 C3	<0.0202 C3	<0.00405	<0.00809	<0.00809	<0.0105
822-SB-38	12/19/2023	<0.0738 C3	<0.00148	<0.00738	<0.00148	<0.0185 C3	<0.0185 C3	<0.00369	<0.00738	<0.00738	<0.00960
822-SB-39	12/19/2023	<0.0715 C3	<0.00143	<0.00715	<0.00143	<0.0179 C3	**0.130 C3**	**<0.00358**	<0.00715	<0.00715	<0.00930
822-SB-40	12/19/2023	<0.0767 C3	<0.00153	<0.00767	<0.00153	<0.0192 C3	<0.0192 C3	<0.00384	<0.00767	<0.00767	<0.00997
822-SB-41	12/19/2023	<0.0785 C3	<0.00157	<0.00785	<0.00157	<0.0196 C3	<0.0196 C3	<0.00393	<0.00785	<0.00785	<0.0102
822-SB-42	12/19/2023	<0.0729 C3	<0.00146	<0.00729	<0.00146	<0.0182 C3	<0.0182 C3	<0.00364	<0.00729	<0.00729	<0.00947
822-SB-43	12/21/2023	**0.133 C3 J3**	<0.00138	**0.00735**	<0.00138	<0.0172	<0.0172	<0.00345	<0.00690	<0.00690	<0.00897
822-SB-44	12/19/2023	<0.0662 C3	<0.00132	<0.00662	<0.00132	<0.0166	<0.0166	<0.00331	<0.00662	<0.00662	<0.00861
822-SB-45	12/21/2023	<0.0701 C3 J3	<0.00140	<0.00701	<0.00140	<0.0175	<0.0175	<0.00350	<0.00701	<0.00701	<0.00911
822-SB-46	12/21/2023	<0.0699 C3 J3	<0.00140	<0.00699	<0.00140	<0.0175	<0.0175	<0.00349	<0.00699	<0.00699	<0.00909
822-SB-47	12/19/2023	<0.0701 C3	<0.00140	<0.00701	<0.00140	<0.0175	<0.0175	<0.00351	<0.00701	<0.00701	<0.00912
822-SB-48	12/19/2023	<0.0760 C3	<0.00152	<0.00760	<0.00152	<0.0190	<0.0190	<0.00380	<0.00760	<0.00760	<0.00988
822-SB-49	12/19/2023	<0.0736 C3	<0.00147	<0.00736	<0.00147	<0.0184	<0.0184	<0.00368	<0.00736	<0.00736	<0.00956
822-SB-50	12/19/2023	<0.0887 C3	<0.00177	**0.154**	<0.00177	<0.0222	<0.0222	<0.00444	<0.00887	<0.00887	<0.0115
822-SB-51	12/19/2023	<0.0974 C3	<0.00195	<0.00974	<0.00195	<0.0243	<0.0243	<0.00487	<0.00974	<0.00974	<0.0127
822-SB-52	12/19/2023	<0.390 C3	<0.00780	<0.0390	<0.00780	<0.0975	<0.0975	<0.0195	<0.0390	<0.0390	<0.0507
DUP-1 (SB-44)	12/19/2023	<0.0673 C3	<0.00135	<0.00673	<0.00135	<0.0168	<0.0168	<0.00336	<0.00673	<0.00673	<0.00874

Notes:

mg/kg - milligrams per kilogram.

C3: Laboratory Qualifier: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

J3: Laboratory Qualifier: The associated batch QC was outside the established quality control range for precision.

J4: Laboratory Qualifier: The associated batch QC was outside the established quality control range for accuracy.

J5: Laboratory Qualifier: The sample matrix interfered with the ability to make any accurate determination; spike value is high.

J6: Laboratory Qualifier: The sample matrix interfered with the ability to make any accurate determination; spike value is low.

O1: Laboratory Qualifier: The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

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

- : Sample not analyzed for the parameter.

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

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

TABLE 1
Soil Sample Analytical Results Summary
City of Durham Parks PRLF
S&ME Project No. 23050630
822-Lyon Park

Analytical Method		Wet Chemistry Method 7199 (mg/kg)	Mercury by Method 7471B (mg/kg)	Metals (ICPMS) by Method 6020 (mg/kg)									
Analyte		Hexavalent Chromium	Mercury	Arsenic	Barium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Vanadium	Zinc
Sample ID	Date Collected												
822-SB-01	12/20/2023	<1.22	**0.382**	**5.32**	**194**	**25.5**	**8.17**	**174**	**626**	**448**	**19.5**	**28.8**	**386**
822-SB-02	12/20/2023	**1.18**	**0.0673**	**7.03**	**107**	**24.6**	**7.84**	**32.5**	**94.9**	**269**	**18**	**26.7**	**175**
822-SB-03	12/20/2023	<1.19	**0.0945**	**4.59**	**132**	**31.7**	**10.4**	**18.4**	**38.8**	**365**	**26.4**	**30.1**	**73.2**
822-SB-04	12/20/2023	<1.22	<0.0489	**2.86**	**100**	**15.5**	**9.27**	**14.2**	**33**	**249**	**11.2**	**27.1**	**47.8**
822-SB-05	12/20/2023	<1.28	**0.123**	**3.53**	**104**	**16.1**	**7.5**	**33**	**107**	**275**	**11.1**	**20.4**	**101**
822-SB-06	1/15/2024	<1.18	<0.0473	**2.59**	**104**	**48.9**	**14.2**	**26.3**	**32.7**	**416**	**32.8**	**43.1**	**66.7**
822-SB-07	1/15/2024	<1.23	**0.0503**	**2.4**	**94.3**	**19**	**5.45**	**12**	**37.6**	**184**	**11.6**	**25.6**	**53.6**
822-SB-08	1/15/2024	<1.22	<0.0489	**2.78**	**110**	**20.3**	**9.09**	**16.1**	**53.2**	**305**	**17.2**	**28.8**	**59.6**
822-SB-09	12/20/2023	-	-	-	-	-	-	-	**19.4**	-	-	-	-
822-SB-10	12/20/2023	<1.19	**0.0701**	**3.18**	**88.5**	**13.9**	**6.53**	**50.4**	**87.5**	**251**	**11.9**	**20.7**	**99.3**
822-SB-11	12/20/2023	<1.21	**0.168**	**3.87**	**158**	**15.7**	**6.93**	**189**	**217**	**235**	**13.7**	**21.5**	**248**
822-SB-12	12/20/2023	**1.32**	**0.0968**	**2.82**	**70.1**	**11.6**	**4.82**	**14.7**	**45.4**	**150 J3 J5**	**8.31**	**16.6**	**43.1**
822-SB-13	12/20/2023	<1.27	**0.132**	**5.07**	**103**	**21.1**	**6.86**	**22.7**	**78.1**	**282**	**11.4**	**27.6**	**85.9**
822-SB-14	12/20/2023	<1.22	**0.126**	**5.23**	**125**	**24.1**	**9.63**	**38.5**	**132**	**326**	**14.3**	**30.3**	**146**
822-SB-15	1/15/2024	<1.26	<0.0503	**2.21**	**75.4**	**55.6**	**15.8**	**23.7**	**63.9**	**438**	**33**	**40.9**	**49.8**
822-SB-16	12/21/2023	<1.3	**0.0632**	**2.24**	**148**	**25**	**11.4**	**16.4**	**33.8**	**336**	**19.9**	**42.2**	**71.8**
822-SB-17	12/21/2023	<1..35	**0.0578**	**1.93**	**103**	**17.3**	**5.58**	**14.1**	**29.1**	**309**	**11.3**	**28.8**	**54.2**
822-SB-18	12/21/2023	<1.36	**0.0555**	**1.95**	**79.8**	**15.4**	**6.16**	**12.4**	**59.6**	**215**	**12.1**	**20.8**	**43**
822-SB-19	12/21/2023	<1.25	**0.0642**	**2.11**	**80.1**	**16.4**	**7.55**	**16.1**	**80.9**	**271**	**17.3**	**32.4**	**78.3**
822-SB-20	12/20/2023	-	-	-	-	-	-	-	**59.2**	-	-	-	-
822-SB-21	12/20/2023	<1.22	**0.0751**	**4.86**	**137**	**31.1**	**14.8**	**47.4**	**92.4**	**424**	**48.3**	**45.5**	**720**
822-SB-22	12/20/2023	-	-	-	-	-	-	-	**71.4**	-	-	-	-
822-SB-23	12/20/2023	-	-	-	-	-	-	-	**155**	-	-	-	-
822-SB-24	1/15/2024	**1.73**	<0.0560	**1.61**	**86.1**	**134**	**19.7**	**41.3**	**17.9**	**532**	**43.6**	**99**	**41.1**
822-SB-25	12/21/2023	**2.69**	<0.0579	<1.45	**87.4**	**187**	**11.3**	**46.6**	**14.1**	**443**	**44.9**	**160**	**43.4**
822-SB-26	12/21/2023	<1.29	**0.0814**	**2.21**	**97.1**	**17.5**	**6.14**	**14**	**53.8**	**252**	**13.3**	**23.9**	**102**
822-SB-27	12/21/2023	<1.31	**0.087**	**3.42**	**139**	**31**	**13.3**	**15.8**	**42.5**	**521**	**22.7**	**37.5**	**72.3**
822-SB-28	12/21/2023	<1.28	<0.0513	**3.02**	**123**	**26.1**	**12.4**	**18.5**	**27.8**	**373**	**36.8**	**35.4**	**57.8**
822-SB-29	12/20/2023	<1.31	<0.0522	**2.86**	**25**	**35.4**	**2.55**	**24.1**	**14.3**	**128**	**7.27**	**132**	<32.6
822-SB-30	12/20/2023	<1.19	**0.0805**	**5.04**	**141**	**24.9**	**10.4**	**54.7**	**147**	**352**	**64.6**	**40.6**	**189**
822-SB-31	12/20/2023	<1.25	**0.0831**	**4.73**	**101**	**17**	**14**	**60.5**	**121**	**278**	**12.4**	**25.8**	**209**
822-SB-32	12/20/2023	-	-	-	-	-	-	-	**384**	-	-	-	-
822-SB-33	12/20/2023	-	-	-	-	-	-	-	**36.3**	-	-	-	-
822-SB-34	12/19/2023	**1.79**	<0.0536	**6.09**	**143**	**35.2**	**7.91**	**15.1**	**14.2**	**196**	**17.7**	**55.4**	**65.9**
822-SB-35	12/19/2023	**1.33**	<0.0508	**5.43**	**179**	**43**	**11.3**	**21.5**	**19.8**	**233**	**22.4**	**58.9**	**64.9**
822-SB-36	12/20/2023	<1.21	**0.124**	**2.8**	**109**	**21.4**	**5.86**	**42.1**	**102**	**243**	**12**	**27.4**	**165**
822-SB-37	12/19/2023	<1.27	**0.0817**	**2.09**	**78.2**	**19**	**6.57**	**21.1**	**47**	**315**	**16.4**	**30.5**	**653**
822-SB-38	12/19/2023	<1.20	**0.0524**	**2.2**	**82.4**	**13.7**	**12.3**	**14.7**	**26.1**	**391**	**17.5**	**25.4**	**42.2**
822-SB-39	12/19/2023	<1.19	**0.253**	**1.7**	**75.5 O1**	**15.2**	**7.33**	**10.7**	**27.7**	**231**	**10.1**	**26**	**41.1**
822-SB-40	12/19/2023	<1.24	<0.0496	<1.24	**49.8**	**10.4**	**3.53**	**10**	**22**	**228**	**7.23**	**15.6**	**48.4**
822-SB-41	12/19/2023	<1.25	<0.0499	**2.43**	**119**	**23**	**17.2**	**14.8**	**17.6**	**470**	**14.5**	**26.8**	**58.6**
822-SB-42	12/19/2023	<1.19 P1	<0.0477	**1.58**	**50.5**	**12.7**	**5.11**	**7.42**	**22.6**	**279**	**7.4**	**18**	<29.8
822-SB-43	12/21/2023	<1.19	<0.0475	**1.69**	**52.1**	**10.5**	**4.83**	**ND**	**14.2**	**121**	**6.35**	**16.6**	<29.7
822-SB-44	12/19/2023	<1.14	<0.0458	**1.94**	**65.4**	**15**	**6.83**	**16.9**	**39.6**	**229**	**20.4**	**21.3**	**47.5**
822-SB-45	12/21/2023	<1.19 P1	<0.0476	**1.8**	**49.5**	**18.1**	**5.17**	**7.71**	**27.3**	**180**	**10.6**	**22.7**	**32.4**
822-SB-46	12/21/2023	<1.18	<0.0471	**1.98**	**31.2**	**10.7**	**5.17**	<5.89	**14.9**	**265**	**5.45**	**18.2**	<29.5
822-SB-47	12/19/2023	<1.17	**0.0543**	**1.76**	**59.6**	**14.3**	**9.75**	**14.8**	**43.1**	**268**	**36**	**21.4**	**47.8**
822-SB-48	12/19/2023	<1.23	**0.0517**	**3.36**	**182**	**31.4**	**10.5**	**21**	**41.9**	**439**	**23.3**	**31.4**	**30.6**
822-SB-49	12/19/2023	<1.19	<0.0477	**1.78**	**56.1**	**15.4**	**12.1**	**23.6**	**23.6**	**351**	**47.2**	**25.2**	**43.8**
822-SB-50	12/19/2023	<1.37	**0.0561**	**2.7**	**105**	**19.8**	**7.26**	**18.7**	**73.4**	**520**	**13.3**	**27.2**	**68.5**
822-SB-51	12/19/2023	<1.43	<0.0571	**3.94**	**128**	**26**	**10.4**	**16.8**	**26.8**	**391**	**20.9**	**30.9**	**50.9**
822-SB-52	12/19/2023	<1.19	<0.0478	**1.61**	**67**	**20.2**	**7.93**	**15.8**	**39.1**	**213**	**21.7**	**32.7**	**38.2**
DUP-1 (SB-44)	12/19/2023	<1.15 J5	**0.106**	**1.52**	**35.9**	**13.9**	**12.7**	**18.9**	**37.2**	**378**	**50.3**	**21.6**	**39.6**

Notes:
mg/kg - milligrams per kilogram.
C3: Laboratory Qualifier: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J3: Laboratory Qualifier: The associated batch QC was outside the established quality control range for precision.
J4: Laboratory Qualifier: The associated batch QC was outside the established quality control range for accuracy.
J5: Laboratory Qualifier: The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6: Laboratory Qualifier: The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1: Laboratory Qualifier: The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1: Laboratory Qualifier: RPD value not applicable for sample concentrations less than 5 times the reporting limit.
- : Sample not analyzed for the parameter.
Concentrations shown in **BOLD** exceed the laboratory detection limits.
Concentrations of Lead that exceed the USEPA Health-Based Screening Level of 200 mg/kg are **highlighted yellow**.

TABLE 1
Soil Sample Analytical Results Summary
City of Durham Parks PRLF
S&ME Project No. 23050630
822-Lyon Park

Analytical Method		Semi Volatile Organic Compounds (GC/MS) by Method 8270E																
Analyte		Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Benzo(a)pyrene	Chysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Bis(2-ethylhexyl)phthalate	Pyrene
Sample ID	Date Collected																	
822-SB-01	12/20/2023	<0.0406	<0.0406	<0.0406	**0.156**	**0.205**	**0.0601**	**0.0992**	**0.157**	**0.177**	<0.0406	**0.249**	<0.0406	**0.094**	<0.0406	**0.0933**	<0.406	**0.26**
822-SB-02	12/20/2023	**0.0599**	<0.0386	**0.189**	**0.587**	**0.665**	**0.21**	**0.243**	**0.462**	**0.543**	**0.0693**	**1.39**	**0.0487**	**0.285**	<0.0386	**1.04**	<0.386	**1.02**
822-SB-03	12/20/2023	<0.0395	<0.0395	<0.0395	<0.0395	**0.0418**	<0.0395	<0.0395	<0.0395	<0.0395	<0.0395	0.0489	<0.0395	<0.0395	<0.0395	<0.0395	<0.395	**0.0486**
822-SB-04	12/20/2023	<0.0407	<0.0407	<0.0407	**0.106**	**0.155**	**0.0438**	**0.0691**	**0.104**	**0.108**	<0.0407	**0.207**	<0.0407	**0.0732**	<0.0407	**0.0913**	<0.407	**0.158**
822-SB-05	12/20/2023	**0.0911**	<0.0426	**0.252**	**0.604**	**0.696**	**0.223**	**0.311**	**0.529**	**0.586**	**0.0779**	**1.46**	**0.107**	**0.33**	**0.0498**	**1.27**	<0.426	**1.15**
822-SB-06	1/15/2024	<0.0394	<0.0394	**0.118**	**0.511**	**0.663**	**0.196**	**0.325**	**0.48**	**0.507**	**0.085**	**0.995**	<0.0394	**0.346**	<0.0394	**0.516**	<0.394	**0.847**
822-SB-07	1/15/2024	<0.0409	<0.0409	<0.0409	<0.0409	<0.0409	<0.0409	<0.0409	<0.0409	<0.0409	<0.0409	<0.0409	<0.0409	<0.0409	<0.0409	<0.0409	<0.409	<0.0409
822-SB-08	1/15/2024	<0.0407	<0.0407	**0.0705**	**0.192**	**0.236**	**0.0835**	**0.122**	**0.191**	**0.156**	<0.0407	**0.41**	<0.0407	**0.128**	<0.0407	**0.319**	<0.407	**0.34**
822-SB-09	12/20/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
822-SB-10	12/20/2023	<0.0396	<0.0396	<0.0396	**0.188**	**0.27**	**0.0871**	**0.109**	**0.193**	**0.199**	<0.0396	**0.363**	<0.0396	**0.115**	<0.0396	**0.159**	<0.396	**0.305**
822-SB-11	12/20/2023	**0.0832**	<0.0402	**0.182**	**0.467**	**0.528**	**0.176**	**0.191**	**0.387**	**0.432**	**0.0534**	**1.03**	**0.0765**	**0.218**	**0.0501**	**0.896**	<0.402	**0.849**
822-SB-12	12/20/2023	<0.0403	<0.0403	**0.0627**	**0.316**	**0.407**	**0.133**	**0.153**	**0.299**	**0.308**	<0.0403	**0.734**	<0.0403	**0.165**	<0.0403	**0.382**	<0.403	**0.569**
822-SB-13	12/20/2023	<0.0425	<0.0425	**0.0604**	**0.319**	**0.4**	**0.134**	**0.153**	**0.298**	**0.315**	<0.0425	**0.683**	<0.0425	**0.168**	<0.0425	**0.338**	<0.425	**0.547**
822-SB-14	12/20/2023	<0.204	<0.204	<0.204	**0.792**	**1.11**	**0.419**	**0.432**	**0.815**	**0.859**	<0.204	**1.82**	<0.204	**0.511**	<0.204	**1.16**	<2.04	**1.45**
822-SB-15	1/15/2024	<0.0419	**0.0979**	**0.174**	**0.641**	**0.837**	**0.26**	**0.381**	**0.661**	**0.476**	**0.0882**	**1.23**	<0.0419	**0.389**	**0.0492**	**0.568**	<0.419	**0.989**
822-SB-16	12/21/2023	<0.0434	<0.0434	<0.0434	**0.0602**	**0.0614**	<0.0434	<0.0434	**0.0545**	**0.0657**	<0.0434	**0.118**	<0.0434	<0.0434	<0.0434	**0.128**	<0.434 C3 J4	**0.149**
822-SB-17	12/21/2023	<0.0449	<0.0449	**0.0533**	**0.103**	**0.106**	<0.0449	**0.056**	**0.0898**	**0.11**	<0.0449	**0.23**	<0.0449	**0.0501**	<0.0449	**0.295**	<0.449 C3 J4	**0.279**
822-SB-18	12/21/2023	<0.0452	<0.0452	<0.0452	**0.0836**	**0.118**	<0.0452	<0.0452	**0.0859**	**0.089**	<0.0452	**0.174**	<0.0452	<0.0452	<0.0452	**0.0797**	<0.452 C3 J4	**0.135**
822-SB-19	12/21/2023	<0.0416	<0.0416	**0.107**	**0.336**	**0.492**	**0.147**	**0.172**	**0.371**	**0.327**	**0.0445**	**0.756**	**0.0512**	**0.197**	<0.0416	**0.374**	<0.416 C3 J4	**0.555**
822-SB-20	12/20/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
822-SB-21	12/20/2023	<0.0408	<0.0408	<0.0408	**0.0952**	**0.119**	<0.0408	**0.0443**	**0.0816**	**0.0801**	<0.0408	**0.213**	<0.0408	**0.0507**	<0.0408	**0.136**	**0.852**	**0.171**
822-SB-22	12/20/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
822-SB-23	12/20/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
822-SB-24	1/15/2024	<0.0466	**0.0744**	**0.111**	**0.346**	**0.695**	**0.238**	**0.403**	**0.56**	**0.291**	**0.092**	**0.618**	<0.0466	**0.426**	<0.0466	**0.223**	<0.466	**0.583**
822-SB-25	12/21/2023	<0.0482	<0.0482	<0.0482	**0.156**	**0.213**	**0.0709**	**0.141**	**0.178**	**0.124**	<0.0482	**0.308**	<0.0482	**0.136**	<0.0482	**0.152**	<0.482	**0.27**
822-SB-26	12/21/2023	<0.0430	<0.0430	<0.0430	**0.176**	**0.214**	**0.0635**	**0.0889**	**0.155**	**0.169**	<0.0430	**0.355**	<0.0430	**0.0953**	<0.0430	**0.179**	<0.430 C3 J4	**0.28**
822-SB-27	12/21/2023	<0.0436	<0.0436	<0.0436	**0.0572**	**0.0689**	<0.0436	<0.0436	**0.0552**	**0.0451**	<0.0436	**0.129**	<0.0436	<0.0436	<0.0436	**0.0642**	<0.436 C3 J4	**0.0961**
822-SB-28	12/21/2023	<0.0427	<0.0427	<0.0427	**0.0769**	**0.0809**	<0.0427	<0.0427	**0.0641**	**0.0699**	<0.0427	**0.197**	<0.0427	<0.0427	<0.0427	**0.142**	<0.427 C3 J4	**0.142**
822-SB-29	12/20/2023	<0.0435	<0.0435	<0.0435	<0.0435	<0.0435	<0.0435	<0.0435	<0.0435	<0.0435	<0.0435	<0.0435	<0.0435	<0.0435	<0.0435	<0.0435	<0.435	<0.0435
822-SB-30	12/20/2023	<0.199	<0.199	<0.199	**0.312**	**0.42**	<0.199	<0.199	**0.317**	**0.317**	<0.199	**0.629**	<0.199	<0.199	<0.199	**0.331**	<1.99	**0.525**
822-SB-31	12/20/2023	<0.209	<0.209	<0.209	**0.926**	**1.18**	**0.349**	**0.424**	**0.861**	**0.961**	<0.209	**1.86**	<0.209	**0.488**	<0.209	**1.09**	<2.09	**1.53**
822-SB-32	12/20/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
822-SB-33	12/20/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
822-SB-34	12/19/2023	**0.312**	<0.0446	**0.616**	**1.2**	**1.22**	**0.438**	**0.6**	**0.994**	**1.04**	**0.146**	**2.36**	**0.397**	**0.644**	**0.322**	**2.53**	<0.446	**2.04**
822-SB-35	12/19/2023	<0.0423	<0.0423	<0.0423	<0.0423	<0.0423	<0.0423	<0.0423	<0.0423	<0.0423	<0.0423	**0.0583**	<0.0423	<0.0423	<0.0423	<0.0423	<0.423	**0.047**
822-SB-36	12/20/2023	<0.0403	<0.0403	<0.0403	**0.166**	**0.223**	**0.0655**	**0.086**	**0.158**	**0.168**	<0.0403	**0.358**	<0.0403	**0.0949**	<0.0403	**0.19**	<0.403	**0.278**
822-SB-37	12/19/2023	<0.0424	<0.0424	<0.0424	**0.0634**	**0.0792**	<0.0424	<0.0424	**0.0607**	**0.0523**	<0.0424	**0.130 J3**	<0.0424	**0.0429**	<0.0424	**0.0676**	**0.632 J6**	**0.106**
822-SB-38	12/19/2023	<0.0401	<0.0401	<0.0401	**0.0498**	**0.0615**	<0.0401	<0.0401	**0.0442**	**0.0445**	<0.0401	**0.0977**	<0.0401	<0.0401	<0.0401	**0.0422**	<0.401	**0.0804**
822-SB-39	12/19/2023	<0.0794	<0.0794	<0.0794	<0.0794	<0.0794	<0.0794	<0.0794	<0.0794	<0.0794	<0.0794	<0.0794	<0.0794	<0.0794	<0.0794	<0.0794	<0.794	<0.0794
822-SB-40	12/19/2023	<0.0413	<0.0413	<0.0413	<0.0413	<0.0413	<0.0413	<0.0413	<0.0413	<0.0413	<0.0413	**0.0513**	<0.0413	<0.0413	<0.0413	<0.0413	<0.413	**0.0469**
822-SB-41	12/19/2023	<0.0416	<0.0416	<0.0416	<0.0416	<0.0416	<0.0416	<0.0416	<0.0416	<0.0416	<0.0416	<0.0416	<0.0416	<0.0416	<0.0416	<0.0416	<0.416	<0.0416
822-SB-42	12/19/2023	<0.0397	<0.0397	<0.0397	<0.0397	<0.0397	<0.0397	<0.0397	<0.0397	<0.0397	<0.0397	**0.0556**	<0.0397	<0.0397	<0.0397	<0.0397	<0.397	**0.0482**
822-SB-43	12/21/2023	<0.0395	<0.0395	<0.0395	<0.0395	<0.0395	<0.0395	<0.0395	<0.0395	<0.0395	<0.0395	<0.0395	<0.0395	<0.0395	<0.0395	<0.0395	<0.395 C3 J4	<0.0395
822-SB-44	12/19/2023	<0.0381	<0.0381	<0.0381	<0.0381	**0.0705**	<0.0381	**0.0457**	**0.0467**	**0.0469**	<0.0381	**0.0892**	<0.0381	**0.0486**	<0.0381	<0.0381	<0.381	**0.0718**
822-SB-45	12/21/2023	<0.0397	<0.0397	<0.0397	**0.0794**	**0.11**	<0.0397	**0.0443**	**0.083**	**0.0924**	<0.0397	**0.217**	<0.0397	**0.0505**	<0.0397	**0.103**	<0.397 C3 J4	**0.155**
822-SB-46	12/21/2023	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.392 C3 J4	<0.0392
822-SB-47	12/19/2023	<0.0389	<0.0389	<0.0389	**0.109**	**0.132**	**0.0403**	**0.0542**	**0.097**	**0.0916**	<0.0389	**0.223**	<0.0389	**0.0637**	<0.0389	**0.118**	<0.389	**0.186**
822-SB-48	12/19/2023	<0.0408	<0.0408	<0.0408	**0.0523**	**0.0664**	<0.0408	<0.0408	**0.0501**	**0.0532**	<0.0408	**0.108**	<0.0408	<0.0408	<0.0408	**0.052**	<0.408	**0.0937**
822-SB-49	12/19/2023	<0.0397	<0.0397	<0.0397	<0.0397	<0.0397	<0.0397	<0.0397	<0.0397	<0.0397	<0.0397	<0.0397	<0.0397	<0.0397	<0.0397	<0.0397	<0.397	<0.0397
822-SB-50	12/19/2023	<0.0457	<0.0457	<0.0457	<0.0457	**0.0575**	<0.0457	<0.0457	<0.0457	**0.0513**	<0.0457	**0.102**	<0.0457	<0.0457	<0.0457	**0.0545**	<0.457	**0.0918**
822-SB-51	12/19/2023	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.0475	<0.475	<0.0475
822-SB-52	12/19/2023	<0.0398	<0.0398	<0.0398	**0.0603**	**0.0603**	<0.0398	**0.0406**	**0.0573**	**0.0684**	<0.0398	**0.0964**	<0.0398	<0.0398	<0.0398	**0.155**	<0.398	**0.131**
DUP-1 (SB-44)	12/19/2023	<0.0382	<0.0382	<0.0382	**0.0633**	**0.0875**	<0.0382	**0.0382**	**0.0647**	**0.0693**	<0.0382	**0.155**	<0.0382	**0.0422**	<0.0382	**0.0783**	<0.382	**0.125**

Notes:
mg/kg - milligrams per kilogram.
C3: Laboratory Qualifier: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J3: Laboratory Qualifier: The associated batch QC was outside the established quality control range for precision.
J4: Laboratory Qualifier: The associated batch QC was outside the established quality control range for accuracy.
J5: Laboratory Qualifier: The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6: Laboratory Qualifier: The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1: Laboratory Qualifier: The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1: Laboratory Qualifier: RPD value not applicable for sample concentrations less than 5 times the reporting limit.
- : Sample not analyzed for the parameter.
Concentrations shown in **BOLD** exceed the laboratory detection limits.
Concentrations of Lead that exceed the USEPA Health-Based Screening Level of 200 mg/kg are **highlighted yellow**.

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

Analytical Method →		TCLP Lead (mg/L)	SPLP Lead (µg/L)
Analyte →			
Sample ID	Date Collected		
822-SB-01	12/20/2023	**0.316**	**51.5**
822-SB-11	12/20/2023	**0.156**	**161**
822-SB-32	12/20/2023	**0.121**	**101**
Maximum Concentration of Contaminant for Toxicity Characteristic		**5**	**NE**
2L Groundwater Standard		**NE**	**15**

Notes:
mg/l: milligrams per liter
µg/L: micrograms per liter
V: The sample concentration is too high to evaluate accurate spike recoveries.
TCLP: Toxic Characteristic Leaching Procedure
SPLP: Synthetic Precipitation Leaching Procedure
Concentrations shown in **BOLD** exceed the laboratory detection limits.
Concentrations that are H**ighlighted and Bolded** exceed the laboratory detection limit and the MCCTC or the 2L Groundwater Standard

Appendices

Appendix I – Coordinates of Selected Features

APPENDIX I
Coordinates of Selected Features
Lyon Park, NONCD0000822
Durham, Durham County, North Carolina
S&ME Project No.: 23050230, Task Order 822DP-2

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
822-SB-01-1	Soil Cover Boring	35.98926784	-78.91893432	687599.791	3984760.651
822-SB-01-2	Soil Cover Boring	35.98917333	-78.91904174	687590.330	3984749.959
822-SB-01-3	Soil Cover Boring	35.98932767	-78.91883728	687608.398	3984767.475
822-SB-02-1	Soil Cover Boring	35.98926797	-78.91864718	687625.679	3984761.218
822-SB-02-2	Soil Cover Boring	35.98930893	-78.91850571	687638.336	3984766.035
822-SB-02-3	Soil Cover Boring	35.9891825	-78.91850785	687638.443	3984752.005
822-SB-02-4	Soil Cover Boring	35.98931896	-78.91877643	687613.905	3984766.626
822-SB-02-5	Soil Cover Boring	35.98920566	-78.91877453	687614.345	3984754.060
822-SB-03-1	Soil Cover Boring	35.98926282	-78.91830371	687656.658	3984761.308
822-SB-03-2	Soil Cover Boring	35.98930396	-78.91844308	687643.995	3984765.604
822-SB-03-3	Soil Cover Boring	35.98929721	-78.91816225	687669.330	3984765.396
822-SB-03-4	Soil Cover Boring	35.98917898	-78.91816439	687669.417	3984752.276
822-SB-03-5	Soil Cover Boring	35.98918245	-78.9184331	687645.182	3984752.143
822-SB-04-1	Soil Cover Boring	35.98926584	-78.91790771	687692.353	3984762.406
822-SB-04-2	Soil Cover Boring	35.98928896	-78.91810366	687674.632	3984764.593
822-SB-04-3	Soil Cover Boring	35.98918386	-78.91808963	687676.146	3984752.961
822-SB-04-4	Soil Cover Boring	35.98918205	-78.91783506	687699.102	3984753.250
822-SB-04-5	Soil Cover Boring	35.98929041	-78.9178208	687700.131	3984765.299
822-SB-05-1	Soil Cover Boring	35.98923169	-78.91764433	687716.180	3984759.125
822-SB-05-2	Soil Cover Boring	35.98927538	-78.91775162	687706.403	3984763.765
822-SB-05-3	Soil Cover Boring	35.98918559	-78.91776118	687705.754	3984753.785
822-SB-06-1	Soil Cover Boring	35.98918784	-78.91729395	687747.874	3984754.935
822-SB-06-2	Soil Cover Boring	35.9891879	-78.91739182	687739.050	3984754.753
822-SB-06-3	Soil Cover Boring	35.98926222	-78.91726862	687749.981	3984763.235
822-SB-07-1	Soil Cover Boring	35.98920554	-78.91691195	687782.272	3984757.635
822-SB-07-2	Soil Cover Boring	35.98920563	-78.91705085	687769.749	3984757.377
822-SB-08-1	Soil Cover Boring	35.98920282	-78.9166815	687803.056	3984757.777
822-SB-08-2	Soil Cover Boring	35.98920272	-78.91654575	687815.295	3984758.028
822-SB-09-1	Soil Cover Boring	35.98919484	-78.91627426	687839.791	3984757.677
822-SB-09-2	Soil Cover Boring	35.9891975	-78.91641317	687827.261	3984757.704
822-SB-09-3	Soil Cover Boring	35.98919475	-78.91614799	687851.175	3984757.910
822-SB-10-1	Soil Cover Boring	35.98907561	-78.91905477	687589.387	3984739.094
822-SB-10-2	Soil Cover Boring	35.98892642	-78.91911181	687584.597	3984722.433
822-SB-11-1	Soil Cover Boring	35.98903225	-78.91865396	687625.626	3984735.055
822-SB-11-2	Soil Cover Boring	35.98913305	-78.91852326	687637.171	3984746.489
822-SB-11-3	Soil Cover Boring	35.98893881	-78.91878854	687613.714	3984724.430
822-SB-11-4	Soil Cover Boring	35.98912373	-78.91873663	687617.956	3984745.044
822-SB-11-5	Soil Cover Boring	35.98890079	-78.91849763	687640.032	3984720.772
822-SB-12-1	Soil Cover Boring	35.98902466	-78.91829708	687657.820	3984734.900
822-SB-12-2	Soil Cover Boring	35.98913089	-78.91843663	687644.986	3984746.416
822-SB-12-3	Soil Cover Boring	35.98913071	-78.91816767	687669.236	3984746.914
822-SB-12-4	Soil Cover Boring	35.98890391	-78.91844461	687644.805	3984721.220
822-SB-12-5	Soil Cover Boring	35.98890267	-78.91817178	687669.406	3984721.608
822-SB-13-1	Soil Cover Boring	35.98902128	-78.9179596	687688.254	3984735.175
822-SB-13-2	Soil Cover Boring	35.98912961	-78.91809138	687676.117	3984746.939
822-SB-13-3	Soil Cover Boring	35.98913259	-78.91783405	687699.310	3984747.765
822-SB-13-4	Soil Cover Boring	35.98890788	-78.91809936	687675.923	3984722.326
822-SB-13-5	Soil Cover Boring	35.98890559	-78.91782523	687700.643	3984722.600

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

APPENDIX I
Coordinates of Selected Features
Lyon Park, NONCD0000822
Durham, Durham County, North Carolina
S&ME Project No.: 23050230, Task Order 822DP-2

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
822-SB-14-1	Soil Cover Boring	35.98902129	-78.91761297	687719.506	3984735.844
822-SB-14-2	Soil Cover Boring	35.98912657	-78.91775177	687706.743	3984747.256
822-SB-14-3	Soil Cover Boring	35.98890849	-78.91774883	687707.525	3984723.069
822-SB-15-1	Soil Cover Boring	35.98909034	-78.9172909	687748.380	3984744.125
822-SB-15-2	Soil Cover Boring	35.98892615	-78.91729422	687748.470	3984725.903
822-SB-16-1	Soil Cover Boring	35.98901315	-78.91696266	687778.157	3984736.194
822-SB-16-2	Soil Cover Boring	35.9891003	-78.91684576	687788.489	3984746.087
822-SB-16-3	Soil Cover Boring	35.98891815	-78.91685227	687788.334	3984725.868
822-SB-17-1	Soil Cover Boring	35.98901292	-78.9166154	687809.466	3984736.838
822-SB-17-2	Soil Cover Boring	35.98911034	-78.91650796	687818.921	3984747.852
822-SB-17-3	Soil Cover Boring	35.98892561	-78.916505	687819.626	3984727.364
822-SB-18-1	Soil Cover Boring	35.98902039	-78.91629339	687838.480	3984738.287
822-SB-18-2	Soil Cover Boring	35.98910497	-78.91617334	687849.103	3984747.901
822-SB-18-3	Soil Cover Boring	35.98892538	-78.91617037	687849.797	3984727.984
822-SB-19-1	Soil Cover Boring	35.98904076	-78.91605976	687859.495	3984740.997
822-SB-20-1	Soil Cover Boring	35.98885448	-78.91907794	687587.821	3984714.517
822-SB-20-2	Soil Cover Boring	35.98883302	-78.91891027	687602.989	3984712.459
822-SB-21-1	Soil Cover Boring	35.98883946	-78.91871226	687620.826	3984713.555
822-SB-21-2	Soil Cover Boring	35.988818	-78.91855267	687635.266	3984711.482
822-SB-22-1	Soil Cover Boring	35.98874723	-78.91830146	687658.082	3984704.114
822-SB-22-2	Soil Cover Boring	35.98884978	-78.91818139	687668.665	3984715.722
822-SB-22-3	Soil Cover Boring	35.98884738	-78.9184371	687645.616	3984714.964
822-SB-22-4	Soil Cover Boring	35.98864982	-78.91842783	687646.920	3984693.065
822-SB-22-5	Soil Cover Boring	35.98864965	-78.91817212	687669.975	3984693.538
822-SB-23-1	Soil Cover Boring	35.9887316	-78.91794159	687690.565	3984703.074
822-SB-23-2	Soil Cover Boring	35.98884972	-78.91809615	687676.350	3984715.880
822-SB-23-3	Soil Cover Boring	35.9888521	-78.91782781	687700.537	3984716.661
822-SB-23-4	Soil Cover Boring	35.98864446	-78.91809005	687677.386	3984693.121
822-SB-24-1	Soil Cover Boring	35.98864927	-78.91760072	687721.492	3984694.597
822-SB-24-2	Soil Cover Boring	35.98877236	-78.91751536	687728.897	3984708.416
822-SB-25-1	Soil Cover Boring	35.98884404	-78.91728799	687749.226	3984716.806
822-SB-25-2	Soil Cover Boring	35.98875681	-78.91728808	687749.425	3984707.129
822-SB-26-1	Soil Cover Boring	35.98880278	-78.91696919	687778.067	3984712.843
822-SB-26-2	Soil Cover Boring	35.98877445	-78.91682084	687791.509	3984709.986
822-SB-26-3	Soil Cover Boring	35.98864362	-78.91683361	687790.668	3984695.448
822-SB-27-1	Soil Cover Boring	35.98874606	-78.91657464	687813.773	3984707.311
822-SB-27-2	Soil Cover Boring	35.98884352	-78.91652718	687817.821	3984718.215
822-SB-27-3	Soil Cover Boring	35.98863835	-78.91663473	687808.611	3984695.247

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

APPENDIX I
Coordinates of Selected Features
Lyon Park, NONCD0000822
Durham, Durham County, North Carolina
S&ME Project No.: 23050230, Task Order 822DP-2

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
822-SB-28-1	Soil Cover Boring	35.98873301	-78.91624318	687843.688	3984706.503
822-SB-28-2	Soil Cover Boring	35.98864588	-78.91639164	687830.510	3984696.550
822-SB-28-3	Soil Cover Boring	35.9888383	-78.9163946	687829.787	3984717.891
822-SB-28-4	Soil Cover Boring	35.98885096	-78.9161515	687851.674	3984719.764
822-SB-29-1	Soil Cover Boring	35.98836904	-78.91849429	687641.593	3984661.788
822-SB-30-1	Soil Cover Boring	35.98846981	-78.91831833	687657.219	3984673.306
822-SB-30-2	Soil Cover Boring	35.9883627	-78.91843094	687647.320	3984661.206
822-SB-30-3	Soil Cover Boring	35.98835625	-78.91821242	687667.036	3984660.912
822-SB-30-4	Soil Cover Boring	35.98857393	-78.91844236	687645.789	3984684.618
822-SB-30-5	Soil Cover Boring	35.98858111	-78.91817728	687669.672	3984685.925
822-SB-31-1	Soil Cover Boring	35.98846952	-78.91797721	687687.974	3984673.931
822-SB-31-2	Soil Cover Boring	35.98836942	-78.91807833	687679.095	3984662.631
822-SB-31-3	Soil Cover Boring	35.98854826	-78.91786399	687697.996	3984682.884
822-SB-32-1	Soil Cover Boring	35.98855959	-78.91763365	687718.736	3984684.584
822-SB-32-2	Soil Cover Boring	35.98836429	-78.91776719	687707.159	3984662.661
822-SB-33-1	Soil Cover Boring	35.98852592	-78.91640326	687829.747	3984683.220
822-SB-33-2	Soil Cover Boring	35.98858	-78.91625571	687842.922	3984689.504
822-SB-34-1	Soil Cover Boring	35.98818305	-78.91850353	687641.200	3984641.137
822-SB-34-2	Soil Cover Boring	35.98827974	-78.91852283	687639.231	3984651.826
822-SB-34-3	Soil Cover Boring	35.988079	-78.91849459	687642.253	3984629.611
822-SB-35-1	Soil Cover Boring	35.98822283	-78.91827979	687661.279	3984645.981
822-SB-35-2	Soil Cover Boring	35.98813464	-78.91840531	687650.171	3984635.955
822-SB-35-3	Soil Cover Boring	35.98831524	-78.91817755	687670.277	3984656.429
822-SB-36-1	Soil Cover Boring	35.98823421	-78.91800824	687685.734	3984647.766
822-SB-36-2	Soil Cover Boring	35.98808084	-78.91810279	687677.573	3984630.570
822-SB-36-3	Soil Cover Boring	35.98830975	-78.91782843	687701.767	3984656.493
822-SB-37-1	Soil Cover Boring	35.98791324	-78.91851924	687640.423	3984611.175
822-SB-37-2	Soil Cover Boring	35.98802489	-78.91850094	687641.809	3984623.596
822-SB-37-3	Soil Cover Boring	35.98780486	-78.91850925	687641.581	3984599.170
822-SB-38-1	Soil Cover Boring	35.987918	-78.91826467	687663.364	3984612.193
822-SB-38-2	Soil Cover Boring	35.98783271	-78.91840618	687650.808	3984602.458
822-SB-38-3	Soil Cover Boring	35.98779972	-78.91818801	687670.556	3984599.219
822-SB-38-4	Soil Cover Boring	35.98800989	-78.91816759	687671.899	3984622.574
822-SB-39-1	Soil Cover Boring	35.98787027	-78.91810106	687678.228	3984607.213
822-SB-39-2	Soil Cover Boring	35.98801805	-78.91809889	687678.074	3984623.611
822-SB-40-1	Soil Cover Boring	35.98758408	-78.91855327	687638.135	3984574.593
822-SB-40-2	Soil Cover Boring	35.98776693	-78.91854404	687638.534	3984594.896
822-SB-41-1	Soil Cover Boring	35.98759648	-78.91824034	687666.320	3984576.571
822-SB-41-2	Soil Cover Boring	35.98753042	-78.91845247	687647.350	3984568.834
822-SB-41-3	Soil Cover Boring	35.98776251	-78.91822207	687667.573	3984595.025

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

APPENDIX I
Coordinates of Selected Features
Lyon Park, NONCD0000822
Durham, Durham County, North Carolina
S&ME Project No.: 23050230, Task Order 822DP-2

Site Feature	Type	Location			
		Latitude	Longitude	Northing	Easting
822-SB-42-1	Soil Cover Boring	35.98736155	-78.9185501	687638.948	3984549.912
822-SB-42-2	Soil Cover Boring	35.98748142	-78.91854796	687638.857	3984563.214
822-SB-42-3	Soil Cover Boring	35.98725976	-78.91856233	687638.087	3984538.596
822-SB-43-1	Soil Cover Boring	35.98734161	-78.91819049	687671.418	3984548.393
822-SB-43-2	Soil Cover Boring	35.98746491	-78.91841867	687650.553	3984561.632
822-SB-43-3	Soil Cover Boring	35.9872646	-78.9184411	687649.005	3984539.367
822-SB-44-1	Soil Cover Boring	35.98711032	-78.91853621	687640.796	3984522.068
822-SB-44-2	Soil Cover Boring	35.98720888	-78.91859268	687635.471	3984532.893
822-SB-44-3	Soil Cover Boring	35.98698882	-78.91855048	687639.797	3984508.562
822-SB-45-1	Soil Cover Boring	35.98708552	-78.91828773	687663.258	3984519.795
822-SB-45-2	Soil Cover Boring	35.9871824	-78.91828157	687663.583	3984530.555
822-SB-45-3	Soil Cover Boring	35.98709876	-78.91843319	687650.111	3984520.984
822-SB-45-4	Soil Cover Boring	35.98698709	-78.91841714	687651.823	3984508.627
822-SB-46-1	Soil Cover Boring	35.9871264	-78.91803716	687685.752	3984524.813
822-SB-46-2	Soil Cover Boring	35.9869918	-78.91809387	687680.958	3984509.772
822-SB-46-3	Soil Cover Boring	35.98699494	-78.91788577	687699.713	3984510.521
822-SB-47-1	Soil Cover Boring	35.98684317	-78.91928402	687574.005	3984490.992
822-SB-47-2	Soil Cover Boring	35.98693677	-78.91929605	687572.699	3984501.352
822-SB-47-3	Soil Cover Boring	35.98680055	-78.91939922	687563.719	3984486.042
822-SB-47-4	Soil Cover Boring	35.98681682	-78.91916888	687584.449	3984488.290
822-SB-47-5	Soil Cover Boring	35.98672003	-78.91929222	687573.557	3984477.315
822-SB-48-1	Soil Cover Boring	35.98678714	-78.918979	687601.639	3984485.363
822-SB-48-2	Soil Cover Boring	35.98692016	-78.91900109	687599.332	3984500.077
822-SB-48-3	Soil Cover Boring	35.98670011	-78.91897909	687601.837	3984475.708
822-SB-48-4	Soil Cover Boring	35.9867854	-78.91883758	687614.394	3984485.442
822-SB-48-5	Soil Cover Boring	35.98676589	-78.91913055	687588.025	3984482.714
822-SB-49-1	Soil Cover Boring	35.98677708	-78.91866787	687629.714	3984484.846
822-SB-49-2	Soil Cover Boring	35.98686086	-78.91872234	687624.605	3984494.035
822-SB-49-3	Soil Cover Boring	35.98690179	-78.91854653	687640.359	3984498.915
822-SB-49-4	Soil Cover Boring	35.98670654	-78.91876896	687620.767	3984476.826
822-SB-49-5	Soil Cover Boring	35.98670805	-78.91856692	687638.980	3984477.382
822-SB-50-1	Soil Cover Boring	35.98647547	-78.91945006	687559.906	3984449.880
822-SB-50-2	Soil Cover Boring	35.98662653	-78.91943576	687560.837	3984466.666
822-SB-50-3	Soil Cover Boring	35.98646549	-78.91925005	687577.962	3984449.158
822-SB-51-1	Soil Cover Boring	35.98657041	-78.9189974	687600.493	3984461.284
822-SB-51-2	Soil Cover Boring	35.98655223	-78.91882771	687615.836	3984459.594
822-SB-51-3	Soil Cover Boring	35.98645547	-78.91899348	687601.119	3984448.541
822-SB-51-4	Soil Cover Boring	35.98666564	-78.91898922	687601.005	3984471.864
822-SB-51-5	Soil Cover Boring	35.98656393	-78.91913277	687588.303	3984460.305
822-SB-52-1	Soil Cover Boring	35.98660201	-78.91867446	687629.535	3984465.411
822-SB-52-2	Soil Cover Boring	35.98652811	-78.91880032	687618.362	3984456.971
822-SB-52-3	Soil Cover Boring	35.98647157	-78.91873087	687624.758	3984450.832
822-SB-52-4	Soil Cover Boring	35.98667531	-78.91865784	687630.860	3984473.575

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

Appendix II – Field Notes / Boring Logs

BORING LOG

Project Name: Lyon Park
Job No. 23050630

Boring Number: 822-SB-01
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches
Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	dark brown topsoil, dry	0.0	822-SB-01	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-02
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches
Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	822-SB-02	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-03
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches
Drilling method: Hand Auger

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	red-brown clayey sand, dry	0.0	822-SB-03	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-04 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	red-brown clayey sand, dry	0.0	822-SB-04	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-05 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	dark brown topsoil, dry	0.0	822-SB-05	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-06 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 1/15/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	dark brown silty clay, dry	0.0	822-SB-06	

Notes:

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

Boring Number: 822-SB-07 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 1/15/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	dark brown sandy clay, dry	0.0	822-SB-07	

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

Boring Number: 822-SB-08 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 1/15/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	dark brown sandy clay, dry	0.0	822-SB-08	

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

Boring Number: 822-SB-09 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	light brown clayey sand, dry	0.0	822-SB-09	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-10 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	822-SB-10	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-11 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	822-SB-11	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-12 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	822-SB-12	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-13 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	orange-brown clayey sand, dry	0.0	822-SB-13	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-14 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 1/15/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	822-SB-14	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-15 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	Sampling grid inaccessible			

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

Boring Number: 822-SB-16 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/21/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, moist	0.0	822-SB-16	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-17 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/21/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, moist	0.0	822-SB-17	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-18 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/21/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, moist	0.0	822-SB-18	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-19 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/21/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, moist	0.0	822-SB-19	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-20 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	dark brown clayey sand, dry, glass waste at 12-in	15.2	822-SB-20	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-21 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	light brown sandy clay, moist	0.0	822-SB-21	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-22 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	orange-brown clayey sand, dry, glass and porcelain waste at 12-in	0.0	822-SB-22	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-23 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	orange-brown clayey sand, moist, glass and porcelain waste at 12-in	0.0	822-SB-23	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-24 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 1/15/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	dark brown clay, moist	0.0	822-SB-24	

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

Boring Number: 822-SB-25 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 1/15/2024
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clay, moist	0.0	822-SB-25	

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

Boring Number: 822-SB-26 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/21/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, moist	0.0	822-SB-26	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-27 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/21/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, moist	0.0	822-SB-27	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-28 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/21/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

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	822-SB-28	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-29 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)		Soil Description	PID Reading (ppm)	Sample No. and Depth	
From	To			Sample No.	Depth (in-BGS)
0	12	red-brown sandy clay, dry	0.0	822-SB-29	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-30 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

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	822-SB-30	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-31 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	822-SB-31	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-32 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry, glass waste at 3-in	0.0	822-SB-32	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-33 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown sandy clay, moist, glass waste at 3-in	0.0	822-SB-33	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-34 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/19/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	orange-brown sandy clay, moist	0.0	822-SB-34	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-35 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/19/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	orange-brown sandy clay, moist	0.0	822-SB-35	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-36 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/20/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	822-SB-36	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-37 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/19/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	dark brown clayey sand, moist	0.0	822-SB-37	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-38 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/19/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	light brown clayey sand, moist	0.0	822-SB-38	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-39 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/19/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	red-brown sandy clay, moist	0.0	822-SB-39	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-40 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/19/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, moist	0.0	822-SB-40	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-41 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/19/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	red-brown clayey sand, moist	0.0	822-SB-41	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-42 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/19/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	red-brown clayey sand, moist	0.0	822-SB-42	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-43 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/21/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	4.5	822-SB-43	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-44 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/19/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	red-brown clayey sand, moist	0.0	822-SB-44	0 - 12
		Boring terminated at 12 in. bgs.		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: 822-SB-45 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/21/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	822-SB-45	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-46 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/21/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

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	822-SB-46	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-47 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/19/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

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	822-SB-47	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-48 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/19/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

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	822-SB-48	0 - 12
		Boring terminated at 12 in. bgs.			

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

Boring Number: 822-SB-49 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/19/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	orange-brown clayey sand, moist	0.0	822-SB-49	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-50 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/19/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	light brown clayey sand, dry	50.1	822-SB-49	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-51 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/19/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	dark brown clayey sand, dry	0.0	822-SB-51	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Boring Number: 822-SB-52 **Drilling method:** Hand Auger
Sampling Personnel: Chelsea Parra
Date Drilled: 12/19/2023
Depth to Groundwater: n/a
Total Depth: 12 inches

STRATIFICATION

Depth (Inches)			PID Reading (ppm)	Sample No. and Depth	
From	To	Soil Description		Sample No.	Depth (in-BGS)
0	12	brown clayey sand, dry	0.0	822-SB-52	0 - 12
		Boring terminated at 12 in. bgs.			

Notes:

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

Appendix III- Laboratory Reports and Chains of Custody

ANALYTICAL REPORT

January 05, 2024

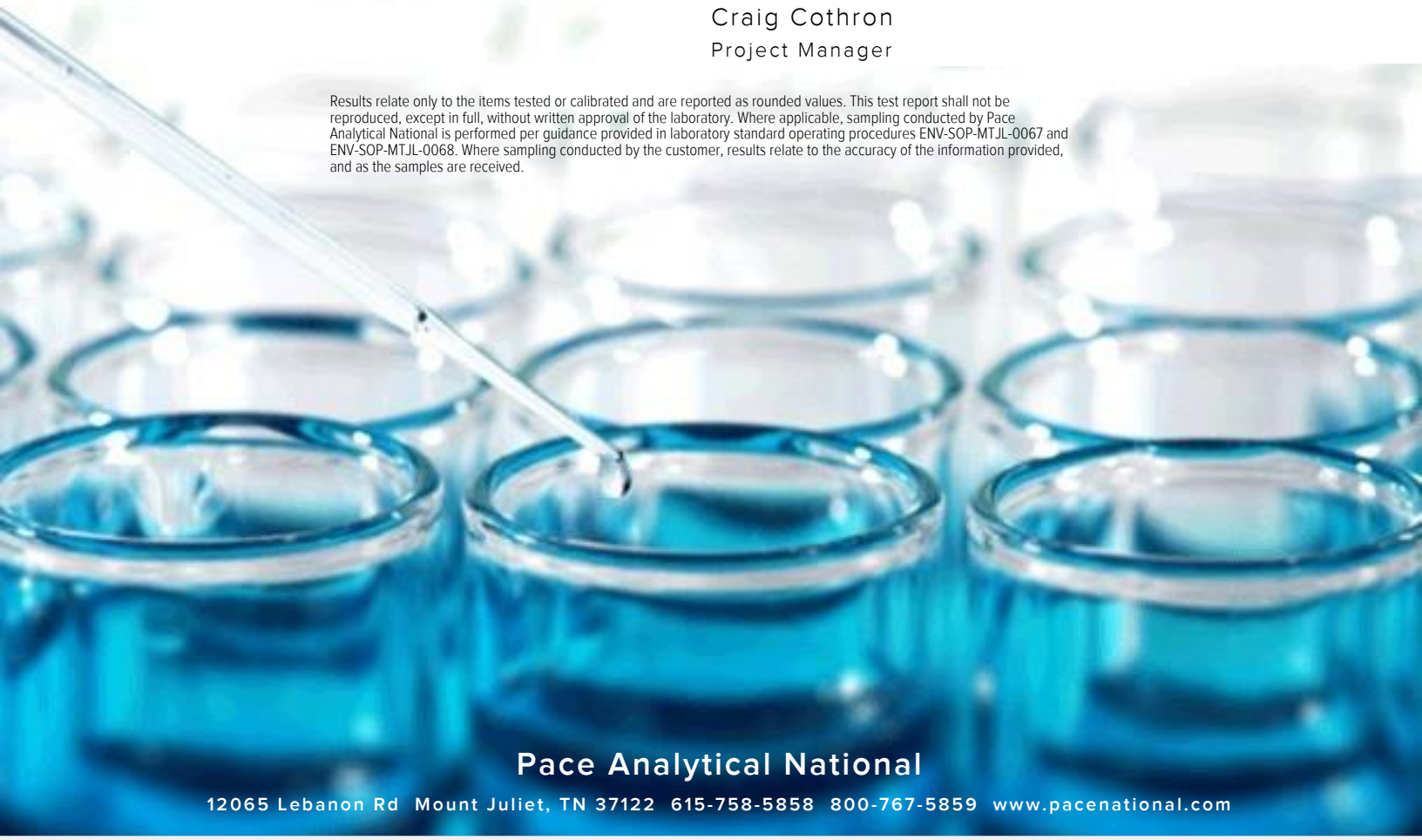
S&ME Inc. - Raleigh NC

Sample Delivery Group:	L1690278
Samples Received:	12/20/2023
Project Number:	
Description:	Lyon 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

TABLE OF CONTENTS

822-SB-34 L1690278-01 Solid

Collected by: Chelsea Parra | Collected date/time: 12/19/23 14:45 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194510	1	12/22/23 09:30	12/22/23 09:41	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2194724	1	12/22/23 11:03	12/27/23 15:31	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2194334	1	12/24/23 18:05	12/27/23 10:43	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194557	5	12/23/23 07:18	01/02/24 12:47	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2197408	1.18	12/19/23 14:45	12/28/23 22:35	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194469	1	12/26/23 21:39	12/29/23 16:05	AMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194469	5	12/26/23 21:39	01/03/24 12:13	JCH	Mt. Juliet, TN

822-SB-35 L1690278-02 Solid

Collected by: Chelsea Parra | Collected date/time: 12/19/23 14:40 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194510	1	12/22/23 09:30	12/22/23 09:41	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2194724	1	12/22/23 11:03	12/27/23 15:37	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2194334	1	12/24/23 18:05	12/27/23 10:45	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194557	5	12/23/23 07:18	01/02/24 12:50	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2197408	1	12/19/23 14:40	12/28/23 22:54	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194469	1	12/26/23 21:39	12/29/23 14:05	AMG	Mt. Juliet, TN

822-SB-37 L1690278-03 Solid

Collected by: Chelsea Parra | Collected date/time: 12/19/23 14:50 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194510	1	12/22/23 09:30	12/22/23 09:41	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2194724	1	12/22/23 11:03	12/27/23 15:44	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2194334	1	12/24/23 18:05	12/27/23 10:48	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194558	5	12/23/23 07:17	12/31/23 15:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2197408	1	12/19/23 14:50	12/28/23 23:13	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194469	1	12/26/23 21:39	12/29/23 16:53	AMG	Mt. Juliet, TN

822-SB-38 L1690278-04 Solid

Collected by: Chelsea Parra | Collected date/time: 12/19/23 14:55 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194510	1	12/22/23 09:30	12/22/23 09:41	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2194724	1	12/22/23 11:03	12/27/23 15:50	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2194334	1	12/24/23 18:05	12/27/23 10:16	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194558	5	12/23/23 07:17	12/31/23 15:13	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2197408	1	12/19/23 14:55	12/28/23 23:32	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194469	1	12/26/23 21:39	12/29/23 18:05	AMG	Mt. Juliet, TN

822-SB-39 L1690278-05 Solid

Collected by: Chelsea Parra | Collected date/time: 12/19/23 15:00 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194510	1	12/22/23 09:30	12/22/23 09:41	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2194724	1	12/22/23 11:03	12/27/23 15:56	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2194334	1	12/24/23 18:05	12/27/23 10:50	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194557	5	12/23/23 07:18	01/02/24 12:04	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2197408	1	12/19/23 15:00	12/28/23 23:51	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194469	2	12/26/23 21:39	01/03/24 00:03	JCH	Mt. Juliet, TN

822-SB-40 L1690278-06 Solid

Collected by: Chelsea Parra | Collected date/time: 12/19/23 15:05 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194510	1	12/22/23 09:30	12/22/23 09:41	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2194724	1	12/22/23 11:03	12/27/23 16:15	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2194334	1	12/24/23 18:05	12/27/23 11:00	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194557	5	12/23/23 07:18	01/02/24 12:53	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2197408	1	12/19/23 15:05	12/29/23 00:10	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194469	1	12/26/23 21:39	12/29/23 14:29	AMG	Mt. Juliet, TN

822-SB-41 L1690278-07 Solid

Collected by: Chelsea Parra | Collected date/time: 12/19/23 15:10 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194510	1	12/22/23 09:30	12/22/23 09:41	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2194724	1	12/22/23 11:03	12/27/23 16:21	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2194334	1	12/24/23 18:05	12/27/23 11:02	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194557	5	12/23/23 07:18	01/02/24 12:56	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2197408	1	12/19/23 15:10	12/29/23 00:29	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194469	1	12/26/23 21:39	01/02/24 23:15	JCH	Mt. Juliet, TN

822-SB-42 L1690278-08 Solid

Collected by: Chelsea Parra | Collected date/time: 12/19/23 15:15 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194510	1	12/22/23 09:30	12/22/23 09:41	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2194735	1	12/26/23 22:29	12/28/23 07:16	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2194334	1	12/24/23 18:05	12/27/23 11:05	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194557	5	12/23/23 07:18	01/02/24 13:00	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2197408	1	12/19/23 15:15	12/29/23 00:48	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194469	1	12/26/23 21:39	12/29/23 14:53	AMG	Mt. Juliet, TN

822-SB-44 L1690278-09 Solid

Collected by: Chelsea Parra | Collected date/time: 12/19/23 15:20 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194510	1	12/22/23 09:30	12/22/23 09:41	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2194735	1	12/26/23 22:29	12/28/23 07:29	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2194334	1	12/24/23 18:05	12/27/23 11:07	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194557	5	12/23/23 07:18	01/02/24 13:03	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196204	1	12/19/23 15:20	12/27/23 04:54	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194469	1	12/26/23 21:39	12/29/23 16:29	AMG	Mt. Juliet, TN

822-SB-47 L1690278-10 Solid

Collected by: Chelsea Parra | Collected date/time: 12/19/23 11:30 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194510	1	12/22/23 09:30	12/22/23 09:41	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2194724	1	12/22/23 11:03	12/27/23 16:27	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2194334	1	12/24/23 18:05	12/27/23 11:10	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194557	5	12/23/23 07:18	01/02/24 13:06	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196204	1	12/19/23 11:30	12/27/23 05:13	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194469	1	12/26/23 21:39	01/02/24 23:38	JCH	Mt. Juliet, TN

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

TRIP BLANK L1690278-11 GW

Collected by: Chelsea Parra | Collected date/time: 12/19/23 00:00 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196208	1	12/27/23 00:12	12/27/23 00:12	JCP	Mt. Juliet, TN

822-SB-48 L1690278-12 Solid

Collected by: Chelsea Parra | Collected date/time: 12/19/23 11:35 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194511	1	12/22/23 08:29	12/22/23 08:35	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2194724	1	12/22/23 11:03	12/27/23 16:39	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2194334	1	12/24/23 18:05	12/27/23 11:12	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194558	5	12/23/23 07:17	12/31/23 15:17	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196204	1	12/19/23 11:35	12/27/23 05:32	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194469	1	12/26/23 21:39	12/29/23 15:41	AMG	Mt. Juliet, TN

822-SB-49 L1690278-13 Solid

Collected by: Chelsea Parra | Collected date/time: 12/19/23 11:40 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194511	1	12/22/23 08:29	12/22/23 08:35	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2194724	1	12/22/23 11:03	12/27/23 16:46	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2194334	1	12/24/23 18:05	12/27/23 11:14	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194558	5	12/23/23 07:17	12/31/23 15:20	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196204	1	12/19/23 11:40	12/27/23 05:51	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194469	1	12/26/23 21:39	12/29/23 15:17	AMG	Mt. Juliet, TN

822-SB-50 L1690278-14 Solid

Collected by: Chelsea Parra | Collected date/time: 12/19/23 11:45 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194511	1	12/22/23 08:29	12/22/23 08:35	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2194724	1	12/22/23 11:03	12/27/23 16:52	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2194334	1	12/24/23 18:05	12/27/23 11:17	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194558	5	12/23/23 07:17	12/31/23 15:30	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196204	1	12/19/23 11:45	12/27/23 06:10	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194469	1	12/26/23 21:39	12/29/23 18:30	AMG	Mt. Juliet, TN

822-SB-51 L1690278-15 Solid

Collected by: Chelsea Parra | Collected date/time: 12/19/23 11:50 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194511	1	12/22/23 08:29	12/22/23 08:35	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2194724	1	12/22/23 11:03	12/27/23 17:04	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2194334	1	12/24/23 18:05	12/27/23 11:19	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194558	5	12/23/23 07:17	12/31/23 15:33	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196204	1	12/19/23 11:50	12/27/23 06:29	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194490	1	12/26/23 15:49	12/29/23 18:36	AMG	Mt. Juliet, TN

SAMPLE SUMMARY

822-SB-52 L1690278-16 Solid

Collected by: Chelsea Parra | Collected date/time: 12/19/23 11:55 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194511	1	12/22/23 08:29	12/22/23 08:35	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2194724	1	12/22/23 11:03	12/27/23 17:10	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2194332	1	12/24/23 18:44	12/28/23 00:30	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194558	5	12/23/23 07:17	12/31/23 14:17	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196204	5.88	12/19/23 11:55	12/27/23 07:45	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194490	1	12/26/23 15:49	12/29/23 18:58	AMG	Mt. Juliet, TN

TRIP BLANK L1690278-17 GW

Collected by: Chelsea Parra | Collected date/time: 12/19/23 00:00 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196208	1	12/27/23 00:35	12/27/23 00:35	JCP	Mt. Juliet, TN

DUP-SB L1690278-18 Solid

Collected by: Chelsea Parra | Collected date/time: 12/19/23 00:00 | Received date/time: 12/20/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194511	1	12/22/23 08:29	12/22/23 08:35	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2194724	1	12/22/23 11:03	12/27/23 17:29	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2194332	1	12/24/23 18:44	12/28/23 00:32	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194558	5	12/23/23 07:17	12/31/23 15:37	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196204	1	12/19/23 00:00	12/27/23 06:48	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194490	1	12/26/23 15:49	12/29/23 19:19	AMG	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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.6		1	12/22/2023 09:41	WG2194510

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.79		1.34	1	12/27/2023 15:31	WG2194724

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0536	1	12/27/2023 10:43	WG2194334

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.02	5	01/02/2024 12:47	WG2194557
Arsenic	6.09		1.34	5	01/02/2024 12:47	WG2194557
Barium	143		3.35	5	01/02/2024 12:47	WG2194557
Beryllium	ND		3.35	5	01/02/2024 12:47	WG2194557
Cadmium	ND		1.34	5	01/02/2024 12:47	WG2194557
Chromium	35.2		6.70	5	01/02/2024 12:47	WG2194557
Cobalt	7.91		1.34	5	01/02/2024 12:47	WG2194557
Copper	15.1		6.70	5	01/02/2024 12:47	WG2194557
Lead	14.2		2.68	5	01/02/2024 12:47	WG2194557
Manganese	196		3.35	5	01/02/2024 12:47	WG2194557
Nickel	17.7		3.35	5	01/02/2024 12:47	WG2194557
Selenium	ND		3.35	5	01/02/2024 12:47	WG2194557
Silver	ND		0.670	5	01/02/2024 12:47	WG2194557
Thallium	ND		2.68	5	01/02/2024 12:47	WG2194557
Vanadium	55.4		3.35	5	01/02/2024 12:47	WG2194557
Zinc	65.9		33.5	5	01/02/2024 12:47	WG2194557

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	0.0959	1.18	12/28/2023 22:35	WG2197408
Acrylonitrile	ND		0.0239	1.18	12/28/2023 22:35	WG2197408
Benzene	ND		0.00192	1.18	12/28/2023 22:35	WG2197408
Bromobenzene	ND		0.0239	1.18	12/28/2023 22:35	WG2197408
Bromodichloromethane	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
Bromoform	ND		0.0480	1.18	12/28/2023 22:35	WG2197408
Bromomethane	ND		0.0239	1.18	12/28/2023 22:35	WG2197408
n-Butylbenzene	ND		0.0239	1.18	12/28/2023 22:35	WG2197408
sec-Butylbenzene	ND		0.0239	1.18	12/28/2023 22:35	WG2197408
tert-Butylbenzene	ND		0.00959	1.18	12/28/2023 22:35	WG2197408
Carbon tetrachloride	ND		0.00959	1.18	12/28/2023 22:35	WG2197408
Chlorobenzene	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
Chlorodibromomethane	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
Chloroethane	ND		0.00959	1.18	12/28/2023 22:35	WG2197408
Chloroform	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
Chloromethane	ND	C3	0.0239	1.18	12/28/2023 22:35	WG2197408
2-Chlorotoluene	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
4-Chlorotoluene	ND		0.00959	1.18	12/28/2023 22:35	WG2197408
1,2-Dibromo-3-Chloropropane	ND		0.0480	1.18	12/28/2023 22:35	WG2197408

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		0.00480	1.18	12/28/2023 22:35	WG2197408
Dibromomethane	ND		0.00959	1.18	12/28/2023 22:35	WG2197408
1,2-Dichlorobenzene	ND		0.00959	1.18	12/28/2023 22:35	WG2197408
1,3-Dichlorobenzene	ND		0.00959	1.18	12/28/2023 22:35	WG2197408
1,4-Dichlorobenzene	ND		0.00959	1.18	12/28/2023 22:35	WG2197408
Dichlorodifluoromethane	ND		0.00959	1.18	12/28/2023 22:35	WG2197408
1,1-Dichloroethane	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
1,2-Dichloroethane	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
1,1-Dichloroethene	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
cis-1,2-Dichloroethene	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
trans-1,2-Dichloroethene	ND	C3	0.00959	1.18	12/28/2023 22:35	WG2197408
1,2-Dichloropropane	ND		0.00959	1.18	12/28/2023 22:35	WG2197408
1,1-Dichloropropene	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
1,3-Dichloropropane	ND		0.00959	1.18	12/28/2023 22:35	WG2197408
cis-1,3-Dichloropropene	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
trans-1,3-Dichloropropene	ND		0.00959	1.18	12/28/2023 22:35	WG2197408
2,2-Dichloropropane	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
Di-isopropyl ether	ND		0.00192	1.18	12/28/2023 22:35	WG2197408
Ethylbenzene	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
Hexachloro-1,3-butadiene	ND		0.0480	1.18	12/28/2023 22:35	WG2197408
Isopropylbenzene	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
p-Isopropyltoluene	ND		0.00959	1.18	12/28/2023 22:35	WG2197408
2-Butanone (MEK)	ND	C3	0.192	1.18	12/28/2023 22:35	WG2197408
Methylene Chloride	ND		0.0480	1.18	12/28/2023 22:35	WG2197408
4-Methyl-2-pentanone (MIBK)	ND		0.0480	1.18	12/28/2023 22:35	WG2197408
Methyl tert-butyl ether	ND		0.00192	1.18	12/28/2023 22:35	WG2197408
Naphthalene	ND	C3	0.0239	1.18	12/28/2023 22:35	WG2197408
n-Propylbenzene	ND		0.00959	1.18	12/28/2023 22:35	WG2197408
Styrene	ND	C3	0.0239	1.18	12/28/2023 22:35	WG2197408
1,1,1,2-Tetrachloroethane	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
1,1,2,2-Tetrachloroethane	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
Tetrachloroethene	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
Toluene	ND		0.00959	1.18	12/28/2023 22:35	WG2197408
1,2,3-Trichlorobenzene	ND	C3	0.0239	1.18	12/28/2023 22:35	WG2197408
1,2,4-Trichlorobenzene	ND	C3	0.0239	1.18	12/28/2023 22:35	WG2197408
1,1,1-Trichloroethane	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
1,1,2-Trichloroethane	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
Trichloroethene	ND		0.00192	1.18	12/28/2023 22:35	WG2197408
Trichlorofluoromethane	ND		0.00480	1.18	12/28/2023 22:35	WG2197408
1,2,3-Trichloropropane	ND		0.0239	1.18	12/28/2023 22:35	WG2197408
1,2,4-Trimethylbenzene	ND		0.00959	1.18	12/28/2023 22:35	WG2197408
1,3,5-Trimethylbenzene	ND		0.00959	1.18	12/28/2023 22:35	WG2197408
Vinyl chloride	ND	C3	0.00480	1.18	12/28/2023 22:35	WG2197408
Xylenes, Total	ND		0.0125	1.18	12/28/2023 22:35	WG2197408
(S) Toluene-d8	*103*		*75.0-131*		*12/28/2023 22:35*	WG2197408
(S) 4-Bromofluorobenzene	*102*		*67.0-138*		*12/28/2023 22:35*	WG2197408
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*12/28/2023 22:35*	WG2197408

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	0.312		0.0446	1	12/29/2023 16:05	WG2194469
Acenaphthylene	ND		0.0446	1	12/29/2023 16:05	WG2194469
Anthracene	0.616		0.0446	1	12/29/2023 16:05	WG2194469
Benzidine	ND		2.24	1	12/29/2023 16:05	WG2194469
Benzo(a)anthracene	1.20		0.0446	1	12/29/2023 16:05	WG2194469

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	1.22		0.0446	1	12/29/2023 16:05	WG2194469
Benzo(k)fluoranthene	0.438		0.0446	1	12/29/2023 16:05	WG2194469
Benzo(g,h,i)perylene	0.600		0.0446	1	12/29/2023 16:05	WG2194469
Benzo(a)pyrene	0.994		0.0446	1	12/29/2023 16:05	WG2194469
Bis(2-chlorethoxy)methane	ND		0.446	1	12/29/2023 16:05	WG2194469
Bis(2-chloroethyl)ether	ND		0.446	1	12/29/2023 16:05	WG2194469
2,2-Oxybis(1-Chloropropane)	ND		0.446	1	12/29/2023 16:05	WG2194469
4-Bromophenyl-phenylether	ND		0.446	1	12/29/2023 16:05	WG2194469
2-Chloronaphthalene	ND		0.0446	1	12/29/2023 16:05	WG2194469
4-Chlorophenyl-phenylether	ND		0.446	1	12/29/2023 16:05	WG2194469
Chrysene	1.04		0.0446	1	12/29/2023 16:05	WG2194469
Dibenz(a,h)anthracene	0.146		0.0446	1	12/29/2023 16:05	WG2194469
3,3-Dichlorobenzidine	ND		0.446	1	12/29/2023 16:05	WG2194469
2,4-Dinitrotoluene	ND		0.446	1	12/29/2023 16:05	WG2194469
2,6-Dinitrotoluene	ND		0.446	1	12/29/2023 16:05	WG2194469
Fluoranthene	2.36		0.224	5	01/03/2024 12:13	WG2194469
Fluorene	0.397		0.0446	1	12/29/2023 16:05	WG2194469
Hexachlorobenzene	ND		0.446	1	12/29/2023 16:05	WG2194469
Hexachloro-1,3-butadiene	ND		0.446	1	12/29/2023 16:05	WG2194469
Hexachlorocyclopentadiene	ND		0.446	1	12/29/2023 16:05	WG2194469
Hexachloroethane	ND		0.446	1	12/29/2023 16:05	WG2194469
Indeno(1,2,3-cd)pyrene	0.644		0.0446	1	12/29/2023 16:05	WG2194469
Isophorone	ND		0.446	1	12/29/2023 16:05	WG2194469
Naphthalene	0.322		0.0446	1	12/29/2023 16:05	WG2194469
Nitrobenzene	ND		0.446	1	12/29/2023 16:05	WG2194469
n-Nitrosodimethylamine	ND		0.446	1	12/29/2023 16:05	WG2194469
n-Nitrosodiphenylamine	ND		0.446	1	12/29/2023 16:05	WG2194469
n-Nitrosodi-n-propylamine	ND		0.446	1	12/29/2023 16:05	WG2194469
Phenanthrene	2.53		0.224	5	01/03/2024 12:13	WG2194469
Benzylbutyl phthalate	ND		0.446	1	12/29/2023 16:05	WG2194469
Bis(2-ethylhexyl)phthalate	ND		0.446	1	12/29/2023 16:05	WG2194469
Di-n-butyl phthalate	ND		0.446	1	12/29/2023 16:05	WG2194469
Diethyl phthalate	ND		0.446	1	12/29/2023 16:05	WG2194469
Dimethyl phthalate	ND		0.446	1	12/29/2023 16:05	WG2194469
Di-n-octyl phthalate	ND		0.446	1	12/29/2023 16:05	WG2194469
Pyrene	2.04		0.0446	1	12/29/2023 16:05	WG2194469
1,2,4-Trichlorobenzene	ND		0.446	1	12/29/2023 16:05	WG2194469
4-Chloro-3-methylphenol	ND		0.446	1	12/29/2023 16:05	WG2194469
2-Chlorophenol	ND		0.446	1	12/29/2023 16:05	WG2194469
2,4-Dichlorophenol	ND		0.446	1	12/29/2023 16:05	WG2194469
2,4-Dimethylphenol	ND		0.446	1	12/29/2023 16:05	WG2194469
4,6-Dinitro-2-methylphenol	ND		0.446	1	12/29/2023 16:05	WG2194469
2,4-Dinitrophenol	ND		0.446	1	12/29/2023 16:05	WG2194469
2-Nitrophenol	ND		0.446	1	12/29/2023 16:05	WG2194469
4-Nitrophenol	ND		0.446	1	12/29/2023 16:05	WG2194469
Pentachlorophenol	ND		0.446	1	12/29/2023 16:05	WG2194469
Phenol	ND		0.446	1	12/29/2023 16:05	WG2194469
2,4,6-Trichlorophenol	ND		0.446	1	12/29/2023 16:05	WG2194469
(S) 2-Fluorophenol	*57.4*		*12.0-120*		*12/29/2023 16:05*	WG2194469
(S) 2-Fluorophenol	*55.9*		*12.0-120*		*01/03/2024 12:13*	WG2194469
(S) Phenol-d5	*52.5*		*10.0-120*		*12/29/2023 16:05*	WG2194469
(S) Phenol-d5	*51.7*		*10.0-120*		*01/03/2024 12:13*	WG2194469
(S) Nitrobenzene-d5	*54.5*		*10.0-122*		*12/29/2023 16:05*	WG2194469
(S) Nitrobenzene-d5	*50.5*		*10.0-122*		*01/03/2024 12:13*	WG2194469
(S) 2-Fluorobiphenyl	*53.3*		*15.0-120*		*12/29/2023 16:05*	WG2194469
(S) 2-Fluorobiphenyl	*50.8*		*15.0-120*		*01/03/2024 12:13*	WG2194469

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	*54.0*		*10.0-127*		*12/29/2023 16:05*	WG2194469
(S) 2,4,6-Tribromophenol	*55.3*		*10.0-127*		*01/03/2024 12:13*	WG2194469
(S) p-Terphenyl-d14	*53.9*		*10.0-120*		*12/29/2023 16:05*	WG2194469
(S) p-Terphenyl-d14	*50.2*		*10.0-120*		*01/03/2024 12:13*	WG2194469

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.7		1	12/22/2023 09:41	WG2194510

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.33		1.27	1	12/27/2023 15:37	WG2194724

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0508	1	12/27/2023 10:45	WG2194334

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.81	5	01/02/2024 12:50	WG2194557
Arsenic	5.43		1.27	5	01/02/2024 12:50	WG2194557
Barium	179		3.18	5	01/02/2024 12:50	WG2194557
Beryllium	ND		3.18	5	01/02/2024 12:50	WG2194557
Cadmium	ND		1.27	5	01/02/2024 12:50	WG2194557
Chromium	43.0		6.35	5	01/02/2024 12:50	WG2194557
Cobalt	11.3		1.27	5	01/02/2024 12:50	WG2194557
Copper	21.5		6.35	5	01/02/2024 12:50	WG2194557
Lead	19.8		2.54	5	01/02/2024 12:50	WG2194557
Manganese	233		3.18	5	01/02/2024 12:50	WG2194557
Nickel	22.4		3.18	5	01/02/2024 12:50	WG2194557
Selenium	ND		3.18	5	01/02/2024 12:50	WG2194557
Silver	ND		0.635	5	01/02/2024 12:50	WG2194557
Thallium	ND		2.54	5	01/02/2024 12:50	WG2194557
Vanadium	58.9		3.18	5	01/02/2024 12:50	WG2194557
Zinc	64.9		31.8	5	01/02/2024 12:50	WG2194557

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	0.0784	1	12/28/2023 22:54	WG2197408
Acrylonitrile	ND		0.0196	1	12/28/2023 22:54	WG2197408
Benzene	ND		0.00157	1	12/28/2023 22:54	WG2197408
Bromobenzene	ND		0.0196	1	12/28/2023 22:54	WG2197408
Bromodichloromethane	ND		0.00392	1	12/28/2023 22:54	WG2197408
Bromoform	ND		0.0392	1	12/28/2023 22:54	WG2197408
Bromomethane	ND		0.0196	1	12/28/2023 22:54	WG2197408
n-Butylbenzene	ND		0.0196	1	12/28/2023 22:54	WG2197408
sec-Butylbenzene	ND		0.0196	1	12/28/2023 22:54	WG2197408
tert-Butylbenzene	ND		0.00784	1	12/28/2023 22:54	WG2197408
Carbon tetrachloride	ND		0.00784	1	12/28/2023 22:54	WG2197408
Chlorobenzene	ND		0.00392	1	12/28/2023 22:54	WG2197408
Chlorodibromomethane	ND		0.00392	1	12/28/2023 22:54	WG2197408
Chloroethane	ND		0.00784	1	12/28/2023 22:54	WG2197408
Chloroform	ND		0.00392	1	12/28/2023 22:54	WG2197408
Chloromethane	ND	C3	0.0196	1	12/28/2023 22:54	WG2197408
2-Chlorotoluene	ND		0.00392	1	12/28/2023 22:54	WG2197408
4-Chlorotoluene	ND		0.00784	1	12/28/2023 22:54	WG2197408
1,2-Dibromo-3-Chloropropane	ND		0.0392	1	12/28/2023 22:54	WG2197408

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		0.00392	1	12/28/2023 22:54	WG2197408
Dibromomethane	ND		0.00784	1	12/28/2023 22:54	WG2197408
1,2-Dichlorobenzene	ND		0.00784	1	12/28/2023 22:54	WG2197408
1,3-Dichlorobenzene	ND		0.00784	1	12/28/2023 22:54	WG2197408
1,4-Dichlorobenzene	ND		0.00784	1	12/28/2023 22:54	WG2197408
Dichlorodifluoromethane	ND		0.00784	1	12/28/2023 22:54	WG2197408
1,1-Dichloroethane	ND		0.00392	1	12/28/2023 22:54	WG2197408
1,2-Dichloroethane	ND		0.00392	1	12/28/2023 22:54	WG2197408
1,1-Dichloroethene	ND		0.00392	1	12/28/2023 22:54	WG2197408
cis-1,2-Dichloroethene	ND		0.00392	1	12/28/2023 22:54	WG2197408
trans-1,2-Dichloroethene	ND	C3	0.00784	1	12/28/2023 22:54	WG2197408
1,2-Dichloropropane	ND		0.00784	1	12/28/2023 22:54	WG2197408
1,1-Dichloropropene	ND		0.00392	1	12/28/2023 22:54	WG2197408
1,3-Dichloropropane	ND		0.00784	1	12/28/2023 22:54	WG2197408
cis-1,3-Dichloropropene	ND		0.00392	1	12/28/2023 22:54	WG2197408
trans-1,3-Dichloropropene	ND		0.00784	1	12/28/2023 22:54	WG2197408
2,2-Dichloropropane	ND		0.00392	1	12/28/2023 22:54	WG2197408
Di-isopropyl ether	ND		0.00157	1	12/28/2023 22:54	WG2197408
Ethylbenzene	ND		0.00392	1	12/28/2023 22:54	WG2197408
Hexachloro-1,3-butadiene	ND		0.0392	1	12/28/2023 22:54	WG2197408
Isopropylbenzene	ND		0.00392	1	12/28/2023 22:54	WG2197408
p-Isopropyltoluene	ND		0.00784	1	12/28/2023 22:54	WG2197408
2-Butanone (MEK)	ND	C3	0.157	1	12/28/2023 22:54	WG2197408
Methylene Chloride	ND		0.0392	1	12/28/2023 22:54	WG2197408
4-Methyl-2-pentanone (MIBK)	ND		0.0392	1	12/28/2023 22:54	WG2197408
Methyl tert-butyl ether	ND		0.00157	1	12/28/2023 22:54	WG2197408
Naphthalene	ND	C3	0.0196	1	12/28/2023 22:54	WG2197408
n-Propylbenzene	ND		0.00784	1	12/28/2023 22:54	WG2197408
Styrene	ND	C3	0.0196	1	12/28/2023 22:54	WG2197408
1,1,1,2-Tetrachloroethane	ND		0.00392	1	12/28/2023 22:54	WG2197408
1,1,2,2-Tetrachloroethane	ND		0.00392	1	12/28/2023 22:54	WG2197408
Tetrachloroethene	ND		0.00392	1	12/28/2023 22:54	WG2197408
Toluene	ND		0.00784	1	12/28/2023 22:54	WG2197408
1,2,3-Trichlorobenzene	ND	C3	0.0196	1	12/28/2023 22:54	WG2197408
1,2,4-Trichlorobenzene	ND	C3	0.0196	1	12/28/2023 22:54	WG2197408
1,1,1-Trichloroethane	ND		0.00392	1	12/28/2023 22:54	WG2197408
1,1,2-Trichloroethane	ND		0.00392	1	12/28/2023 22:54	WG2197408
Trichloroethene	ND		0.00157	1	12/28/2023 22:54	WG2197408
Trichlorofluoromethane	ND		0.00392	1	12/28/2023 22:54	WG2197408
1,2,3-Trichloropropane	ND		0.0196	1	12/28/2023 22:54	WG2197408
1,2,4-Trimethylbenzene	ND		0.00784	1	12/28/2023 22:54	WG2197408
1,3,5-Trimethylbenzene	ND		0.00784	1	12/28/2023 22:54	WG2197408
Vinyl chloride	ND	C3	0.00392	1	12/28/2023 22:54	WG2197408
Xylenes, Total	ND		0.0102	1	12/28/2023 22:54	WG2197408
(S) Toluene-d8	*102*		*75.0-131*		*12/28/2023 22:54*	WG2197408
(S) 4-Bromofluorobenzene	*104*		*67.0-138*		*12/28/2023 22:54*	WG2197408
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*12/28/2023 22:54*	WG2197408

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	12/29/2023 14:05	WG2194469
Acenaphthylene	ND		0.0423	1	12/29/2023 14:05	WG2194469
Anthracene	ND		0.0423	1	12/29/2023 14:05	WG2194469
Benzidine	ND		2.12	1	12/29/2023 14:05	WG2194469
Benzo(a)anthracene	ND		0.0423	1	12/29/2023 14:05	WG2194469

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		0.0423	1	12/29/2023 14:05	WG2194469
Benzo(k)fluoranthene	ND		0.0423	1	12/29/2023 14:05	WG2194469
Benzo(g,h,i)perylene	ND		0.0423	1	12/29/2023 14:05	WG2194469
Benzo(a)pyrene	ND		0.0423	1	12/29/2023 14:05	WG2194469
Bis(2-chlorethoxy)methane	ND		0.423	1	12/29/2023 14:05	WG2194469
Bis(2-chloroethyl)ether	ND		0.423	1	12/29/2023 14:05	WG2194469
2,2-Oxybis(1-Chloropropane)	ND		0.423	1	12/29/2023 14:05	WG2194469
4-Bromophenyl-phenylether	ND		0.423	1	12/29/2023 14:05	WG2194469
2-Chloronaphthalene	ND		0.0423	1	12/29/2023 14:05	WG2194469
4-Chlorophenyl-phenylether	ND		0.423	1	12/29/2023 14:05	WG2194469
Chrysene	ND		0.0423	1	12/29/2023 14:05	WG2194469
Dibenz(a,h)anthracene	ND		0.0423	1	12/29/2023 14:05	WG2194469
3,3-Dichlorobenzidine	ND		0.423	1	12/29/2023 14:05	WG2194469
2,4-Dinitrotoluene	ND		0.423	1	12/29/2023 14:05	WG2194469
2,6-Dinitrotoluene	ND		0.423	1	12/29/2023 14:05	WG2194469
Fluoranthene	0.0583		0.0423	1	12/29/2023 14:05	WG2194469
Fluorene	ND		0.0423	1	12/29/2023 14:05	WG2194469
Hexachlorobenzene	ND		0.423	1	12/29/2023 14:05	WG2194469
Hexachloro-1,3-butadiene	ND		0.423	1	12/29/2023 14:05	WG2194469
Hexachlorocyclopentadiene	ND		0.423	1	12/29/2023 14:05	WG2194469
Hexachloroethane	ND		0.423	1	12/29/2023 14:05	WG2194469
Indeno(1,2,3-cd)pyrene	ND		0.0423	1	12/29/2023 14:05	WG2194469
Isophorone	ND		0.423	1	12/29/2023 14:05	WG2194469
Naphthalene	ND		0.0423	1	12/29/2023 14:05	WG2194469
Nitrobenzene	ND		0.423	1	12/29/2023 14:05	WG2194469
n-Nitrosodimethylamine	ND		0.423	1	12/29/2023 14:05	WG2194469
n-Nitrosodiphenylamine	ND		0.423	1	12/29/2023 14:05	WG2194469
n-Nitrosodi-n-propylamine	ND		0.423	1	12/29/2023 14:05	WG2194469
Phenanthrene	ND		0.0423	1	12/29/2023 14:05	WG2194469
Benzylbutyl phthalate	ND		0.423	1	12/29/2023 14:05	WG2194469
Bis(2-ethylhexyl)phthalate	ND		0.423	1	12/29/2023 14:05	WG2194469
Di-n-butyl phthalate	ND		0.423	1	12/29/2023 14:05	WG2194469
Diethyl phthalate	ND		0.423	1	12/29/2023 14:05	WG2194469
Dimethyl phthalate	ND		0.423	1	12/29/2023 14:05	WG2194469
Di-n-octyl phthalate	ND		0.423	1	12/29/2023 14:05	WG2194469
Pyrene	0.0470		0.0423	1	12/29/2023 14:05	WG2194469
1,2,4-Trichlorobenzene	ND		0.423	1	12/29/2023 14:05	WG2194469
4-Chloro-3-methylphenol	ND		0.423	1	12/29/2023 14:05	WG2194469
2-Chlorophenol	ND		0.423	1	12/29/2023 14:05	WG2194469
2,4-Dichlorophenol	ND		0.423	1	12/29/2023 14:05	WG2194469
2,4-Dimethylphenol	ND		0.423	1	12/29/2023 14:05	WG2194469
4,6-Dinitro-2-methylphenol	ND		0.423	1	12/29/2023 14:05	WG2194469
2,4-Dinitrophenol	ND		0.423	1	12/29/2023 14:05	WG2194469
2-Nitrophenol	ND		0.423	1	12/29/2023 14:05	WG2194469
4-Nitrophenol	ND		0.423	1	12/29/2023 14:05	WG2194469
Pentachlorophenol	ND		0.423	1	12/29/2023 14:05	WG2194469
Phenol	ND		0.423	1	12/29/2023 14:05	WG2194469
2,4,6-Trichlorophenol	ND		0.423	1	12/29/2023 14:05	WG2194469
(S) 2-Fluorophenol	*49.8*		*12.0-120*		*12/29/2023 14:05*	WG2194469
(S) Phenol-d5	*45.8*		*10.0-120*		*12/29/2023 14:05*	WG2194469
(S) Nitrobenzene-d5	*47.4*		*10.0-122*		*12/29/2023 14:05*	WG2194469
(S) 2-Fluorobiphenyl	*47.0*		*15.0-120*		*12/29/2023 14:05*	WG2194469
(S) 2,4,6-Tribromophenol	*48.9*		*10.0-127*		*12/29/2023 14:05*	WG2194469
(S) p-Terphenyl-d14	*51.1*		*10.0-120*		*12/29/2023 14:05*	WG2194469

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.6		1	12/22/2023 09:41	WG2194510

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	12/27/2023 15:44	WG2194724

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0817		0.0509	1	12/27/2023 10:48	WG2194334

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.82	5	12/31/2023 15:10	WG2194558
Arsenic	2.09		1.27	5	12/31/2023 15:10	WG2194558
Barium	78.2		3.18	5	12/31/2023 15:10	WG2194558
Beryllium	ND		3.18	5	12/31/2023 15:10	WG2194558
Cadmium	ND		1.27	5	12/31/2023 15:10	WG2194558
Chromium	19.0		6.36	5	12/31/2023 15:10	WG2194558
Cobalt	6.57		1.27	5	12/31/2023 15:10	WG2194558
Copper	21.1		6.36	5	12/31/2023 15:10	WG2194558
Lead	47.0		2.55	5	12/31/2023 15:10	WG2194558
Manganese	315		3.18	5	12/31/2023 15:10	WG2194558
Nickel	16.4		3.18	5	12/31/2023 15:10	WG2194558
Selenium	ND		3.18	5	12/31/2023 15:10	WG2194558
Silver	ND		0.636	5	12/31/2023 15:10	WG2194558
Thallium	ND		2.55	5	12/31/2023 15:10	WG2194558
Vanadium	30.5		3.18	5	12/31/2023 15:10	WG2194558
Zinc	653		31.8	5	12/31/2023 15:10	WG2194558

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	0.0809	1	12/28/2023 23:13	WG2197408
Acrylonitrile	ND		0.0202	1	12/28/2023 23:13	WG2197408
Benzene	ND		0.00162	1	12/28/2023 23:13	WG2197408
Bromobenzene	ND		0.0202	1	12/28/2023 23:13	WG2197408
Bromodichloromethane	ND		0.00405	1	12/28/2023 23:13	WG2197408
Bromoform	ND		0.0405	1	12/28/2023 23:13	WG2197408
Bromomethane	ND		0.0202	1	12/28/2023 23:13	WG2197408
n-Butylbenzene	ND		0.0202	1	12/28/2023 23:13	WG2197408
sec-Butylbenzene	ND		0.0202	1	12/28/2023 23:13	WG2197408
tert-Butylbenzene	ND		0.00809	1	12/28/2023 23:13	WG2197408
Carbon tetrachloride	ND		0.00809	1	12/28/2023 23:13	WG2197408
Chlorobenzene	ND		0.00405	1	12/28/2023 23:13	WG2197408
Chlorodibromomethane	ND		0.00405	1	12/28/2023 23:13	WG2197408
Chloroethane	ND		0.00809	1	12/28/2023 23:13	WG2197408
Chloroform	ND		0.00405	1	12/28/2023 23:13	WG2197408
Chloromethane	ND	C3	0.0202	1	12/28/2023 23:13	WG2197408
2-Chlorotoluene	ND		0.00405	1	12/28/2023 23:13	WG2197408
4-Chlorotoluene	ND		0.00809	1	12/28/2023 23:13	WG2197408
1,2-Dibromo-3-Chloropropane	ND		0.0405	1	12/28/2023 23:13	WG2197408

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	12/28/2023 23:13	WG2197408
Dibromomethane	ND		0.00809	1	12/28/2023 23:13	WG2197408
1,2-Dichlorobenzene	ND		0.00809	1	12/28/2023 23:13	WG2197408
1,3-Dichlorobenzene	ND		0.00809	1	12/28/2023 23:13	WG2197408
1,4-Dichlorobenzene	ND		0.00809	1	12/28/2023 23:13	WG2197408
Dichlorodifluoromethane	ND		0.00809	1	12/28/2023 23:13	WG2197408
1,1-Dichloroethane	ND		0.00405	1	12/28/2023 23:13	WG2197408
1,2-Dichloroethane	ND		0.00405	1	12/28/2023 23:13	WG2197408
1,1-Dichloroethene	ND		0.00405	1	12/28/2023 23:13	WG2197408
cis-1,2-Dichloroethene	ND		0.00405	1	12/28/2023 23:13	WG2197408
trans-1,2-Dichloroethene	ND	C3	0.00809	1	12/28/2023 23:13	WG2197408
1,2-Dichloropropane	ND		0.00809	1	12/28/2023 23:13	WG2197408
1,1-Dichloropropene	ND		0.00405	1	12/28/2023 23:13	WG2197408
1,3-Dichloropropane	ND		0.00809	1	12/28/2023 23:13	WG2197408
cis-1,3-Dichloropropene	ND		0.00405	1	12/28/2023 23:13	WG2197408
trans-1,3-Dichloropropene	ND		0.00809	1	12/28/2023 23:13	WG2197408
2,2-Dichloropropane	ND		0.00405	1	12/28/2023 23:13	WG2197408
Di-isopropyl ether	ND		0.00162	1	12/28/2023 23:13	WG2197408
Ethylbenzene	ND		0.00405	1	12/28/2023 23:13	WG2197408
Hexachloro-1,3-butadiene	ND		0.0405	1	12/28/2023 23:13	WG2197408
Isopropylbenzene	ND		0.00405	1	12/28/2023 23:13	WG2197408
p-Isopropyltoluene	ND		0.00809	1	12/28/2023 23:13	WG2197408
2-Butanone (MEK)	ND	C3	0.162	1	12/28/2023 23:13	WG2197408
Methylene Chloride	ND		0.0405	1	12/28/2023 23:13	WG2197408
4-Methyl-2-pentanone (MIBK)	ND		0.0405	1	12/28/2023 23:13	WG2197408
Methyl tert-butyl ether	ND		0.00162	1	12/28/2023 23:13	WG2197408
Naphthalene	ND	C3	0.0202	1	12/28/2023 23:13	WG2197408
n-Propylbenzene	ND		0.00809	1	12/28/2023 23:13	WG2197408
Styrene	ND	C3	0.0202	1	12/28/2023 23:13	WG2197408
1,1,1,2-Tetrachloroethane	ND		0.00405	1	12/28/2023 23:13	WG2197408
1,1,2,2-Tetrachloroethane	ND		0.00405	1	12/28/2023 23:13	WG2197408
Tetrachloroethene	ND		0.00405	1	12/28/2023 23:13	WG2197408
Toluene	ND		0.00809	1	12/28/2023 23:13	WG2197408
1,2,3-Trichlorobenzene	ND	C3	0.0202	1	12/28/2023 23:13	WG2197408
1,2,4-Trichlorobenzene	ND	C3	0.0202	1	12/28/2023 23:13	WG2197408
1,1,1-Trichloroethane	ND		0.00405	1	12/28/2023 23:13	WG2197408
1,1,2-Trichloroethane	ND		0.00405	1	12/28/2023 23:13	WG2197408
Trichloroethene	ND		0.00162	1	12/28/2023 23:13	WG2197408
Trichlorofluoromethane	ND		0.00405	1	12/28/2023 23:13	WG2197408
1,2,3-Trichloropropane	ND		0.0202	1	12/28/2023 23:13	WG2197408
1,2,4-Trimethylbenzene	ND		0.00809	1	12/28/2023 23:13	WG2197408
1,3,5-Trimethylbenzene	ND		0.00809	1	12/28/2023 23:13	WG2197408
Vinyl chloride	ND	C3	0.00405	1	12/28/2023 23:13	WG2197408
Xylenes, Total	ND		0.0105	1	12/28/2023 23:13	WG2197408
(S) Toluene-d8	*102*		*75.0-131*		*12/28/2023 23:13*	WG2197408
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*12/28/2023 23:13*	WG2197408
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*12/28/2023 23:13*	WG2197408

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	12/29/2023 16:53	WG2194469
Acenaphthylene	ND		0.0424	1	12/29/2023 16:53	WG2194469
Anthracene	ND		0.0424	1	12/29/2023 16:53	WG2194469
Benzidine	ND	J3 J6	2.13	1	12/29/2023 16:53	WG2194469
Benzo(a)anthracene	0.0634		0.0424	1	12/29/2023 16:53	WG2194469

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	0.0792		0.0424	1	12/29/2023 16:53	WG2194469
Benzo(k)fluoranthene	ND		0.0424	1	12/29/2023 16:53	WG2194469
Benzo(g,h,i)perylene	ND		0.0424	1	12/29/2023 16:53	WG2194469
Benzo(a)pyrene	0.0607		0.0424	1	12/29/2023 16:53	WG2194469
Bis(2-chlorethoxy)methane	ND		0.424	1	12/29/2023 16:53	WG2194469
Bis(2-chloroethyl)ether	ND		0.424	1	12/29/2023 16:53	WG2194469
2,2-Oxybis(1-Chloropropane)	ND		0.424	1	12/29/2023 16:53	WG2194469
4-Bromophenyl-phenylether	ND		0.424	1	12/29/2023 16:53	WG2194469
2-Chloronaphthalene	ND		0.0424	1	12/29/2023 16:53	WG2194469
4-Chlorophenyl-phenylether	ND		0.424	1	12/29/2023 16:53	WG2194469
Chrysene	0.0523		0.0424	1	12/29/2023 16:53	WG2194469
Dibenz(a,h)anthracene	ND		0.0424	1	12/29/2023 16:53	WG2194469
3,3-Dichlorobenzidine	ND		0.424	1	12/29/2023 16:53	WG2194469
2,4-Dinitrotoluene	ND		0.424	1	12/29/2023 16:53	WG2194469
2,6-Dinitrotoluene	ND		0.424	1	12/29/2023 16:53	WG2194469
Fluoranthene	0.130	J3	0.0424	1	12/29/2023 16:53	WG2194469
Fluorene	ND		0.0424	1	12/29/2023 16:53	WG2194469
Hexachlorobenzene	ND		0.424	1	12/29/2023 16:53	WG2194469
Hexachloro-1,3-butadiene	ND		0.424	1	12/29/2023 16:53	WG2194469
Hexachlorocyclopentadiene	ND		0.424	1	12/29/2023 16:53	WG2194469
Hexachloroethane	ND		0.424	1	12/29/2023 16:53	WG2194469
Indeno(1,2,3-cd)pyrene	0.0429		0.0424	1	12/29/2023 16:53	WG2194469
Isophorone	ND		0.424	1	12/29/2023 16:53	WG2194469
Naphthalene	ND		0.0424	1	12/29/2023 16:53	WG2194469
Nitrobenzene	ND		0.424	1	12/29/2023 16:53	WG2194469
n-Nitrosodimethylamine	ND		0.424	1	12/29/2023 16:53	WG2194469
n-Nitrosodiphenylamine	ND		0.424	1	12/29/2023 16:53	WG2194469
n-Nitrosodi-n-propylamine	ND		0.424	1	12/29/2023 16:53	WG2194469
Phenanthrene	0.0676		0.0424	1	12/29/2023 16:53	WG2194469
Benzylbutyl phthalate	ND		0.424	1	12/29/2023 16:53	WG2194469
Bis(2-ethylhexyl)phthalate	0.632	J6	0.424	1	12/29/2023 16:53	WG2194469
Di-n-butyl phthalate	ND		0.424	1	12/29/2023 16:53	WG2194469
Diethyl phthalate	ND		0.424	1	12/29/2023 16:53	WG2194469
Dimethyl phthalate	ND		0.424	1	12/29/2023 16:53	WG2194469
Di-n-octyl phthalate	ND		0.424	1	12/29/2023 16:53	WG2194469
Pyrene	0.106		0.0424	1	12/29/2023 16:53	WG2194469
1,2,4-Trichlorobenzene	ND		0.424	1	12/29/2023 16:53	WG2194469
4-Chloro-3-methylphenol	ND		0.424	1	12/29/2023 16:53	WG2194469
2-Chlorophenol	ND		0.424	1	12/29/2023 16:53	WG2194469
2,4-Dichlorophenol	ND		0.424	1	12/29/2023 16:53	WG2194469
2,4-Dimethylphenol	ND		0.424	1	12/29/2023 16:53	WG2194469
4,6-Dinitro-2-methylphenol	ND		0.424	1	12/29/2023 16:53	WG2194469
2,4-Dinitrophenol	ND		0.424	1	12/29/2023 16:53	WG2194469
2-Nitrophenol	ND		0.424	1	12/29/2023 16:53	WG2194469
4-Nitrophenol	ND		0.424	1	12/29/2023 16:53	WG2194469
Pentachlorophenol	ND		0.424	1	12/29/2023 16:53	WG2194469
Phenol	ND		0.424	1	12/29/2023 16:53	WG2194469
2,4,6-Trichlorophenol	ND		0.424	1	12/29/2023 16:53	WG2194469
(S) 2-Fluorophenol	*47.1*		*12.0-120*		*12/29/2023 16:53*	WG2194469
(S) Phenol-d5	*44.3*		*10.0-120*		*12/29/2023 16:53*	WG2194469
(S) Nitrobenzene-d5	*47.7*		*10.0-122*		*12/29/2023 16:53*	WG2194469
(S) 2-Fluorobiphenyl	*48.6*		*15.0-120*		*12/29/2023 16:53*	WG2194469
(S) 2,4,6-Tribromophenol	*51.4*		*10.0-127*		*12/29/2023 16:53*	WG2194469
(S) p-Terphenyl-d14	*48.6*		*10.0-120*		*12/29/2023 16:53*	WG2194469

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.1		1	12/22/2023 09:41	WG2194510

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	12/27/2023 15:50	WG2194724

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0524		0.0481	1	12/27/2023 10:16	WG2194334

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.61	5	12/31/2023 15:13	WG2194558
Arsenic	2.20		1.20	5	12/31/2023 15:13	WG2194558
Barium	82.4		3.01	5	12/31/2023 15:13	WG2194558
Beryllium	ND		3.01	5	12/31/2023 15:13	WG2194558
Cadmium	ND		1.20	5	12/31/2023 15:13	WG2194558
Chromium	13.7		6.02	5	12/31/2023 15:13	WG2194558
Cobalt	12.3		1.20	5	12/31/2023 15:13	WG2194558
Copper	14.7		6.02	5	12/31/2023 15:13	WG2194558
Lead	26.1		2.41	5	12/31/2023 15:13	WG2194558
Manganese	391		3.01	5	12/31/2023 15:13	WG2194558
Nickel	17.5		3.01	5	12/31/2023 15:13	WG2194558
Selenium	ND		3.01	5	12/31/2023 15:13	WG2194558
Silver	ND		0.602	5	12/31/2023 15:13	WG2194558
Thallium	ND		2.41	5	12/31/2023 15:13	WG2194558
Vanadium	25.4		3.01	5	12/31/2023 15:13	WG2194558
Zinc	42.2		30.1	5	12/31/2023 15:13	WG2194558

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	0.0738	1	12/28/2023 23:32	WG2197408
Acrylonitrile	ND		0.0185	1	12/28/2023 23:32	WG2197408
Benzene	ND		0.00148	1	12/28/2023 23:32	WG2197408
Bromobenzene	ND		0.0185	1	12/28/2023 23:32	WG2197408
Bromodichloromethane	ND		0.00369	1	12/28/2023 23:32	WG2197408
Bromoform	ND		0.0369	1	12/28/2023 23:32	WG2197408
Bromomethane	ND		0.0185	1	12/28/2023 23:32	WG2197408
n-Butylbenzene	ND		0.0185	1	12/28/2023 23:32	WG2197408
sec-Butylbenzene	ND		0.0185	1	12/28/2023 23:32	WG2197408
tert-Butylbenzene	ND		0.00738	1	12/28/2023 23:32	WG2197408
Carbon tetrachloride	ND		0.00738	1	12/28/2023 23:32	WG2197408
Chlorobenzene	ND		0.00369	1	12/28/2023 23:32	WG2197408
Chlorodibromomethane	ND		0.00369	1	12/28/2023 23:32	WG2197408
Chloroethane	ND		0.00738	1	12/28/2023 23:32	WG2197408
Chloroform	ND		0.00369	1	12/28/2023 23:32	WG2197408
Chloromethane	ND	C3	0.0185	1	12/28/2023 23:32	WG2197408
2-Chlorotoluene	ND		0.00369	1	12/28/2023 23:32	WG2197408
4-Chlorotoluene	ND		0.00738	1	12/28/2023 23:32	WG2197408
1,2-Dibromo-3-Chloropropane	ND		0.0369	1	12/28/2023 23:32	WG2197408

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	12/28/2023 23:32	WG2197408
Dibromomethane	ND		0.00738	1	12/28/2023 23:32	WG2197408
1,2-Dichlorobenzene	ND		0.00738	1	12/28/2023 23:32	WG2197408
1,3-Dichlorobenzene	ND		0.00738	1	12/28/2023 23:32	WG2197408
1,4-Dichlorobenzene	ND		0.00738	1	12/28/2023 23:32	WG2197408
Dichlorodifluoromethane	ND		0.00738	1	12/28/2023 23:32	WG2197408
1,1-Dichloroethane	ND		0.00369	1	12/28/2023 23:32	WG2197408
1,2-Dichloroethane	ND		0.00369	1	12/28/2023 23:32	WG2197408
1,1-Dichloroethene	ND		0.00369	1	12/28/2023 23:32	WG2197408
cis-1,2-Dichloroethene	ND		0.00369	1	12/28/2023 23:32	WG2197408
trans-1,2-Dichloroethene	ND	C3	0.00738	1	12/28/2023 23:32	WG2197408
1,2-Dichloropropane	ND		0.00738	1	12/28/2023 23:32	WG2197408
1,1-Dichloropropene	ND		0.00369	1	12/28/2023 23:32	WG2197408
1,3-Dichloropropane	ND		0.00738	1	12/28/2023 23:32	WG2197408
cis-1,3-Dichloropropene	ND		0.00369	1	12/28/2023 23:32	WG2197408
trans-1,3-Dichloropropene	ND		0.00738	1	12/28/2023 23:32	WG2197408
2,2-Dichloropropane	ND		0.00369	1	12/28/2023 23:32	WG2197408
Di-isopropyl ether	ND		0.00148	1	12/28/2023 23:32	WG2197408
Ethylbenzene	ND		0.00369	1	12/28/2023 23:32	WG2197408
Hexachloro-1,3-butadiene	ND		0.0369	1	12/28/2023 23:32	WG2197408
Isopropylbenzene	ND		0.00369	1	12/28/2023 23:32	WG2197408
p-Isopropyltoluene	ND		0.00738	1	12/28/2023 23:32	WG2197408
2-Butanone (MEK)	ND	C3	0.148	1	12/28/2023 23:32	WG2197408
Methylene Chloride	ND		0.0369	1	12/28/2023 23:32	WG2197408
4-Methyl-2-pentanone (MIBK)	ND		0.0369	1	12/28/2023 23:32	WG2197408
Methyl tert-butyl ether	ND		0.00148	1	12/28/2023 23:32	WG2197408
Naphthalene	ND	C3	0.0185	1	12/28/2023 23:32	WG2197408
n-Propylbenzene	ND		0.00738	1	12/28/2023 23:32	WG2197408
Styrene	ND	C3	0.0185	1	12/28/2023 23:32	WG2197408
1,1,1,2-Tetrachloroethane	ND		0.00369	1	12/28/2023 23:32	WG2197408
1,1,2,2-Tetrachloroethane	ND		0.00369	1	12/28/2023 23:32	WG2197408
Tetrachloroethene	ND		0.00369	1	12/28/2023 23:32	WG2197408
Toluene	ND		0.00738	1	12/28/2023 23:32	WG2197408
1,2,3-Trichlorobenzene	ND	C3	0.0185	1	12/28/2023 23:32	WG2197408
1,2,4-Trichlorobenzene	ND	C3	0.0185	1	12/28/2023 23:32	WG2197408
1,1,1-Trichloroethane	ND		0.00369	1	12/28/2023 23:32	WG2197408
1,1,2-Trichloroethane	ND		0.00369	1	12/28/2023 23:32	WG2197408
Trichloroethene	ND		0.00148	1	12/28/2023 23:32	WG2197408
Trichlorofluoromethane	ND		0.00369	1	12/28/2023 23:32	WG2197408
1,2,3-Trichloropropane	ND		0.0185	1	12/28/2023 23:32	WG2197408
1,2,4-Trimethylbenzene	ND		0.00738	1	12/28/2023 23:32	WG2197408
1,3,5-Trimethylbenzene	ND		0.00738	1	12/28/2023 23:32	WG2197408
Vinyl chloride	ND	C3	0.00369	1	12/28/2023 23:32	WG2197408
Xylenes, Total	ND		0.00960	1	12/28/2023 23:32	WG2197408
(S) Toluene-d8	*104*		*75.0-131*		*12/28/2023 23:32*	WG2197408
(S) 4-Bromofluorobenzene	*104*		*67.0-138*		*12/28/2023 23:32*	WG2197408
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*12/28/2023 23:32*	WG2197408

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	12/29/2023 18:05	WG2194469
Acenaphthylene	ND		0.0401	1	12/29/2023 18:05	WG2194469
Anthracene	ND		0.0401	1	12/29/2023 18:05	WG2194469
Benzidine	ND		2.01	1	12/29/2023 18:05	WG2194469
Benzo(a)anthracene	0.0498		0.0401	1	12/29/2023 18:05	WG2194469

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	0.0615		0.0401	1	12/29/2023 18:05	WG2194469
Benzo(k)fluoranthene	ND		0.0401	1	12/29/2023 18:05	WG2194469
Benzo(g,h,i)perylene	ND		0.0401	1	12/29/2023 18:05	WG2194469
Benzo(a)pyrene	0.0442		0.0401	1	12/29/2023 18:05	WG2194469
Bis(2-chlorethoxy)methane	ND		0.401	1	12/29/2023 18:05	WG2194469
Bis(2-chloroethyl)ether	ND		0.401	1	12/29/2023 18:05	WG2194469
2,2-Oxybis(1-Chloropropane)	ND		0.401	1	12/29/2023 18:05	WG2194469
4-Bromophenyl-phenylether	ND		0.401	1	12/29/2023 18:05	WG2194469
2-Chloronaphthalene	ND		0.0401	1	12/29/2023 18:05	WG2194469
4-Chlorophenyl-phenylether	ND		0.401	1	12/29/2023 18:05	WG2194469
Chrysene	0.0445		0.0401	1	12/29/2023 18:05	WG2194469
Dibenz(a,h)anthracene	ND		0.0401	1	12/29/2023 18:05	WG2194469
3,3-Dichlorobenzidine	ND		0.401	1	12/29/2023 18:05	WG2194469
2,4-Dinitrotoluene	ND		0.401	1	12/29/2023 18:05	WG2194469
2,6-Dinitrotoluene	ND		0.401	1	12/29/2023 18:05	WG2194469
Fluoranthene	0.0977		0.0401	1	12/29/2023 18:05	WG2194469
Fluorene	ND		0.0401	1	12/29/2023 18:05	WG2194469
Hexachlorobenzene	ND		0.401	1	12/29/2023 18:05	WG2194469
Hexachloro-1,3-butadiene	ND		0.401	1	12/29/2023 18:05	WG2194469
Hexachlorocyclopentadiene	ND		0.401	1	12/29/2023 18:05	WG2194469
Hexachloroethane	ND		0.401	1	12/29/2023 18:05	WG2194469
Indeno(1,2,3-cd)pyrene	ND		0.0401	1	12/29/2023 18:05	WG2194469
Isophorone	ND		0.401	1	12/29/2023 18:05	WG2194469
Naphthalene	ND		0.0401	1	12/29/2023 18:05	WG2194469
Nitrobenzene	ND		0.401	1	12/29/2023 18:05	WG2194469
n-Nitrosodimethylamine	ND		0.401	1	12/29/2023 18:05	WG2194469
n-Nitrosodiphenylamine	ND		0.401	1	12/29/2023 18:05	WG2194469
n-Nitrosodi-n-propylamine	ND		0.401	1	12/29/2023 18:05	WG2194469
Phenanthrene	0.0422		0.0401	1	12/29/2023 18:05	WG2194469
Benzylbutyl phthalate	ND		0.401	1	12/29/2023 18:05	WG2194469
Bis(2-ethylhexyl)phthalate	ND		0.401	1	12/29/2023 18:05	WG2194469
Di-n-butyl phthalate	ND		0.401	1	12/29/2023 18:05	WG2194469
Diethyl phthalate	ND		0.401	1	12/29/2023 18:05	WG2194469
Dimethyl phthalate	ND		0.401	1	12/29/2023 18:05	WG2194469
Di-n-octyl phthalate	ND		0.401	1	12/29/2023 18:05	WG2194469
Pyrene	0.0804		0.0401	1	12/29/2023 18:05	WG2194469
1,2,4-Trichlorobenzene	ND		0.401	1	12/29/2023 18:05	WG2194469
4-Chloro-3-methylphenol	ND		0.401	1	12/29/2023 18:05	WG2194469
2-Chlorophenol	ND		0.401	1	12/29/2023 18:05	WG2194469
2,4-Dichlorophenol	ND		0.401	1	12/29/2023 18:05	WG2194469
2,4-Dimethylphenol	ND		0.401	1	12/29/2023 18:05	WG2194469
4,6-Dinitro-2-methylphenol	ND		0.401	1	12/29/2023 18:05	WG2194469
2,4-Dinitrophenol	ND		0.401	1	12/29/2023 18:05	WG2194469
2-Nitrophenol	ND		0.401	1	12/29/2023 18:05	WG2194469
4-Nitrophenol	ND		0.401	1	12/29/2023 18:05	WG2194469
Pentachlorophenol	ND		0.401	1	12/29/2023 18:05	WG2194469
Phenol	ND		0.401	1	12/29/2023 18:05	WG2194469
2,4,6-Trichlorophenol	ND		0.401	1	12/29/2023 18:05	WG2194469
(S) 2-Fluorophenol	*47.3*		*12.0-120*		*12/29/2023 18:05*	WG2194469
(S) Phenol-d5	*43.7*		*10.0-120*		*12/29/2023 18:05*	WG2194469
(S) Nitrobenzene-d5	*44.9*		*10.0-122*		*12/29/2023 18:05*	WG2194469
(S) 2-Fluorobiphenyl	*48.1*		*15.0-120*		*12/29/2023 18:05*	WG2194469
(S) 2,4,6-Tribromophenol	*48.3*		*10.0-127*		*12/29/2023 18:05*	WG2194469
(S) p-Terphenyl-d14	*48.7*		*10.0-120*		*12/29/2023 18:05*	WG2194469

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.8		1	12/22/2023 09:41	WG2194510

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	12/27/2023 15:56	WG2194724

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.253		0.0477	1	12/27/2023 10:50	WG2194334

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	J6	3.58	5	01/02/2024 12:04	WG2194557
Arsenic	1.70		1.19	5	01/02/2024 12:04	WG2194557
Barium	75.5	O1	2.98	5	01/02/2024 12:04	WG2194557
Beryllium	ND	J6	2.98	5	01/02/2024 12:04	WG2194557
Cadmium	ND		1.19	5	01/02/2024 12:04	WG2194557
Chromium	15.2		5.96	5	01/02/2024 12:04	WG2194557
Cobalt	7.33		1.19	5	01/02/2024 12:04	WG2194557
Copper	10.7	O1	5.96	5	01/02/2024 12:04	WG2194557
Lead	27.7	O1	2.39	5	01/02/2024 12:04	WG2194557
Manganese	231	J3 J5	2.98	5	01/02/2024 12:04	WG2194557
Nickel	10.1		2.98	5	01/02/2024 12:04	WG2194557
Selenium	ND		2.98	5	01/02/2024 12:04	WG2194557
Silver	ND		0.596	5	01/02/2024 12:04	WG2194557
Thallium	ND		2.39	5	01/02/2024 12:04	WG2194557
Vanadium	26.0		2.98	5	01/02/2024 12:04	WG2194557
Zinc	41.1		29.8	5	01/02/2024 12:04	WG2194557

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	12/28/2023 23:51	WG2197408
Acrylonitrile	ND		0.0179	1	12/28/2023 23:51	WG2197408
Benzene	ND		0.00143	1	12/28/2023 23:51	WG2197408
Bromobenzene	ND		0.0179	1	12/28/2023 23:51	WG2197408
Bromodichloromethane	ND		0.00358	1	12/28/2023 23:51	WG2197408
Bromoform	ND		0.0358	1	12/28/2023 23:51	WG2197408
Bromomethane	ND		0.0179	1	12/28/2023 23:51	WG2197408
n-Butylbenzene	ND		0.0179	1	12/28/2023 23:51	WG2197408
sec-Butylbenzene	ND		0.0179	1	12/28/2023 23:51	WG2197408
tert-Butylbenzene	ND		0.00715	1	12/28/2023 23:51	WG2197408
Carbon tetrachloride	ND		0.00715	1	12/28/2023 23:51	WG2197408
Chlorobenzene	ND		0.00358	1	12/28/2023 23:51	WG2197408
Chlorodibromomethane	ND		0.00358	1	12/28/2023 23:51	WG2197408
Chloroethane	ND		0.00715	1	12/28/2023 23:51	WG2197408
Chloroform	ND		0.00358	1	12/28/2023 23:51	WG2197408
Chloromethane	ND	C3	0.0179	1	12/28/2023 23:51	WG2197408
2-Chlorotoluene	ND		0.00358	1	12/28/2023 23:51	WG2197408
4-Chlorotoluene	ND		0.00715	1	12/28/2023 23:51	WG2197408
1,2-Dibromo-3-Chloropropane	ND		0.0358	1	12/28/2023 23:51	WG2197408

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	12/28/2023 23:51	WG2197408
Dibromomethane	ND		0.00715	1	12/28/2023 23:51	WG2197408
1,2-Dichlorobenzene	ND		0.00715	1	12/28/2023 23:51	WG2197408
1,3-Dichlorobenzene	ND		0.00715	1	12/28/2023 23:51	WG2197408
1,4-Dichlorobenzene	ND		0.00715	1	12/28/2023 23:51	WG2197408
Dichlorodifluoromethane	ND		0.00715	1	12/28/2023 23:51	WG2197408
1,1-Dichloroethane	ND		0.00358	1	12/28/2023 23:51	WG2197408
1,2-Dichloroethane	ND		0.00358	1	12/28/2023 23:51	WG2197408
1,1-Dichloroethene	ND		0.00358	1	12/28/2023 23:51	WG2197408
cis-1,2-Dichloroethene	ND		0.00358	1	12/28/2023 23:51	WG2197408
trans-1,2-Dichloroethene	ND	C3	0.00715	1	12/28/2023 23:51	WG2197408
1,2-Dichloropropane	ND		0.00715	1	12/28/2023 23:51	WG2197408
1,1-Dichloropropene	ND		0.00358	1	12/28/2023 23:51	WG2197408
1,3-Dichloropropane	ND		0.00715	1	12/28/2023 23:51	WG2197408
cis-1,3-Dichloropropene	ND		0.00358	1	12/28/2023 23:51	WG2197408
trans-1,3-Dichloropropene	ND		0.00715	1	12/28/2023 23:51	WG2197408
2,2-Dichloropropane	ND		0.00358	1	12/28/2023 23:51	WG2197408
Di-isopropyl ether	ND		0.00143	1	12/28/2023 23:51	WG2197408
Ethylbenzene	ND		0.00358	1	12/28/2023 23:51	WG2197408
Hexachloro-1,3-butadiene	ND		0.0358	1	12/28/2023 23:51	WG2197408
Isopropylbenzene	ND		0.00358	1	12/28/2023 23:51	WG2197408
p-Isopropyltoluene	ND		0.00715	1	12/28/2023 23:51	WG2197408
2-Butanone (MEK)	ND	C3	0.143	1	12/28/2023 23:51	WG2197408
Methylene Chloride	ND		0.0358	1	12/28/2023 23:51	WG2197408
4-Methyl-2-pentanone (MIBK)	ND		0.0358	1	12/28/2023 23:51	WG2197408
Methyl tert-butyl ether	ND		0.00143	1	12/28/2023 23:51	WG2197408
Naphthalene	ND	C3	0.0179	1	12/28/2023 23:51	WG2197408
n-Propylbenzene	ND		0.00715	1	12/28/2023 23:51	WG2197408
Styrene	0.130	C3	0.0179	1	12/28/2023 23:51	WG2197408
1,1,1,2-Tetrachloroethane	ND		0.00358	1	12/28/2023 23:51	WG2197408
1,1,2,2-Tetrachloroethane	ND		0.00358	1	12/28/2023 23:51	WG2197408
Tetrachloroethene	ND		0.00358	1	12/28/2023 23:51	WG2197408
Toluene	ND		0.00715	1	12/28/2023 23:51	WG2197408
1,2,3-Trichlorobenzene	ND	C3	0.0179	1	12/28/2023 23:51	WG2197408
1,2,4-Trichlorobenzene	ND	C3	0.0179	1	12/28/2023 23:51	WG2197408
1,1,1-Trichloroethane	ND		0.00358	1	12/28/2023 23:51	WG2197408
1,1,2-Trichloroethane	ND		0.00358	1	12/28/2023 23:51	WG2197408
Trichloroethene	ND		0.00143	1	12/28/2023 23:51	WG2197408
Trichlorofluoromethane	ND		0.00358	1	12/28/2023 23:51	WG2197408
1,2,3-Trichloropropane	ND		0.0179	1	12/28/2023 23:51	WG2197408
1,2,4-Trimethylbenzene	ND		0.00715	1	12/28/2023 23:51	WG2197408
1,3,5-Trimethylbenzene	ND		0.00715	1	12/28/2023 23:51	WG2197408
Vinyl chloride	ND	C3	0.00358	1	12/28/2023 23:51	WG2197408
Xylenes, Total	ND		0.00930	1	12/28/2023 23:51	WG2197408
(S) Toluene-d8	*103*		*75.0-131*		*12/28/2023 23:51*	WG2197408
(S) 4-Bromofluorobenzene	*102*		*67.0-138*		*12/28/2023 23:51*	WG2197408
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*12/28/2023 23:51*	WG2197408

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		0.0794	2	01/03/2024 00:03	WG2194469
Acenaphthylene	ND		0.0794	2	01/03/2024 00:03	WG2194469
Anthracene	ND		0.0794	2	01/03/2024 00:03	WG2194469
Benzidine	ND		3.98	2	01/03/2024 00:03	WG2194469
Benzo(a)anthracene	ND		0.0794	2	01/03/2024 00:03	WG2194469

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		0.0794	2	01/03/2024 00:03	WG2194469
Benzo(k)fluoranthene	ND		0.0794	2	01/03/2024 00:03	WG2194469
Benzo(g,h,i)perylene	ND		0.0794	2	01/03/2024 00:03	WG2194469
Benzo(a)pyrene	ND		0.0794	2	01/03/2024 00:03	WG2194469
Bis(2-chlorethoxy)methane	ND		0.794	2	01/03/2024 00:03	WG2194469
Bis(2-chloroethyl)ether	ND		0.794	2	01/03/2024 00:03	WG2194469
2,2-Oxybis(1-Chloropropane)	ND		0.794	2	01/03/2024 00:03	WG2194469
4-Bromophenyl-phenylether	ND		0.794	2	01/03/2024 00:03	WG2194469
2-Chloronaphthalene	ND		0.0794	2	01/03/2024 00:03	WG2194469
4-Chlorophenyl-phenylether	ND		0.794	2	01/03/2024 00:03	WG2194469
Chrysene	ND		0.0794	2	01/03/2024 00:03	WG2194469
Dibenz(a,h)anthracene	ND		0.0794	2	01/03/2024 00:03	WG2194469
3,3-Dichlorobenzidine	ND		0.794	2	01/03/2024 00:03	WG2194469
2,4-Dinitrotoluene	ND		0.794	2	01/03/2024 00:03	WG2194469
2,6-Dinitrotoluene	ND		0.794	2	01/03/2024 00:03	WG2194469
Fluoranthene	ND		0.0794	2	01/03/2024 00:03	WG2194469
Fluorene	ND		0.0794	2	01/03/2024 00:03	WG2194469
Hexachlorobenzene	ND		0.794	2	01/03/2024 00:03	WG2194469
Hexachloro-1,3-butadiene	ND		0.794	2	01/03/2024 00:03	WG2194469
Hexachlorocyclopentadiene	ND		0.794	2	01/03/2024 00:03	WG2194469
Hexachloroethane	ND		0.794	2	01/03/2024 00:03	WG2194469
Indeno(1,2,3-cd)pyrene	ND		0.0794	2	01/03/2024 00:03	WG2194469
Isophorone	ND		0.794	2	01/03/2024 00:03	WG2194469
Naphthalene	ND		0.0794	2	01/03/2024 00:03	WG2194469
Nitrobenzene	ND		0.794	2	01/03/2024 00:03	WG2194469
n-Nitrosodimethylamine	ND		0.794	2	01/03/2024 00:03	WG2194469
n-Nitrosodiphenylamine	ND		0.794	2	01/03/2024 00:03	WG2194469
n-Nitrosodi-n-propylamine	ND		0.794	2	01/03/2024 00:03	WG2194469
Phenanthrene	ND		0.0794	2	01/03/2024 00:03	WG2194469
Benzylbutyl phthalate	ND		0.794	2	01/03/2024 00:03	WG2194469
Bis(2-ethylhexyl)phthalate	ND		0.794	2	01/03/2024 00:03	WG2194469
Di-n-butyl phthalate	ND		0.794	2	01/03/2024 00:03	WG2194469
Diethyl phthalate	ND		0.794	2	01/03/2024 00:03	WG2194469
Dimethyl phthalate	ND		0.794	2	01/03/2024 00:03	WG2194469
Di-n-octyl phthalate	ND		0.794	2	01/03/2024 00:03	WG2194469
Pyrene	ND		0.0794	2	01/03/2024 00:03	WG2194469
1,2,4-Trichlorobenzene	ND		0.794	2	01/03/2024 00:03	WG2194469
4-Chloro-3-methylphenol	ND		0.794	2	01/03/2024 00:03	WG2194469
2-Chlorophenol	ND		0.794	2	01/03/2024 00:03	WG2194469
2,4-Dichlorophenol	ND		0.794	2	01/03/2024 00:03	WG2194469
2,4-Dimethylphenol	ND		0.794	2	01/03/2024 00:03	WG2194469
4,6-Dinitro-2-methylphenol	ND		0.794	2	01/03/2024 00:03	WG2194469
2,4-Dinitrophenol	ND		0.794	2	01/03/2024 00:03	WG2194469
2-Nitrophenol	ND		0.794	2	01/03/2024 00:03	WG2194469
4-Nitrophenol	ND		0.794	2	01/03/2024 00:03	WG2194469
Pentachlorophenol	ND		0.794	2	01/03/2024 00:03	WG2194469
Phenol	ND		0.794	2	01/03/2024 00:03	WG2194469
2,4,6-Trichlorophenol	ND		0.794	2	01/03/2024 00:03	WG2194469
(S) 2-Fluorophenol	*53.9*		*12.0-120*		*01/03/2024 00:03*	WG2194469
(S) Phenol-d5	*48.2*		*10.0-120*		*01/03/2024 00:03*	WG2194469
(S) Nitrobenzene-d5	*48.9*		*10.0-122*		*01/03/2024 00:03*	WG2194469
(S) 2-Fluorobiphenyl	*51.4*		*15.0-120*		*01/03/2024 00:03*	WG2194469
(S) 2,4,6-Tribromophenol	*52.6*		*10.0-127*		*01/03/2024 00:03*	WG2194469
(S) p-Terphenyl-d14	*52.7*		*10.0-120*		*01/03/2024 00:03*	WG2194469

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

L1690278-05 WG2194469: Dilution due to matrix impact during extraction procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.7		1	12/22/2023 09:41	WG2194510

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	12/27/2023 16:15	WG2194724

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0496	1	12/27/2023 11:00	WG2194334

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.72	5	01/02/2024 12:53	WG2194557
Arsenic	ND		1.24	5	01/02/2024 12:53	WG2194557
Barium	49.8		3.10	5	01/02/2024 12:53	WG2194557
Beryllium	ND		3.10	5	01/02/2024 12:53	WG2194557
Cadmium	ND		1.24	5	01/02/2024 12:53	WG2194557
Chromium	10.4		6.20	5	01/02/2024 12:53	WG2194557
Cobalt	3.53		1.24	5	01/02/2024 12:53	WG2194557
Copper	10.0		6.20	5	01/02/2024 12:53	WG2194557
Lead	22.0		2.48	5	01/02/2024 12:53	WG2194557
Manganese	228		3.10	5	01/02/2024 12:53	WG2194557
Nickel	7.23		3.10	5	01/02/2024 12:53	WG2194557
Selenium	ND		3.10	5	01/02/2024 12:53	WG2194557
Silver	ND		0.620	5	01/02/2024 12:53	WG2194557
Thallium	ND		2.48	5	01/02/2024 12:53	WG2194557
Vanadium	15.6		3.10	5	01/02/2024 12:53	WG2194557
Zinc	48.4		31.0	5	01/02/2024 12:53	WG2194557

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	12/29/2023 00:10	WG2197408
Acrylonitrile	ND		0.0192	1	12/29/2023 00:10	WG2197408
Benzene	ND		0.00153	1	12/29/2023 00:10	WG2197408
Bromobenzene	ND		0.0192	1	12/29/2023 00:10	WG2197408
Bromodichloromethane	ND		0.00384	1	12/29/2023 00:10	WG2197408
Bromoform	ND		0.0384	1	12/29/2023 00:10	WG2197408
Bromomethane	ND		0.0192	1	12/29/2023 00:10	WG2197408
n-Butylbenzene	ND		0.0192	1	12/29/2023 00:10	WG2197408
sec-Butylbenzene	ND		0.0192	1	12/29/2023 00:10	WG2197408
tert-Butylbenzene	ND		0.00767	1	12/29/2023 00:10	WG2197408
Carbon tetrachloride	ND		0.00767	1	12/29/2023 00:10	WG2197408
Chlorobenzene	ND		0.00384	1	12/29/2023 00:10	WG2197408
Chlorodibromomethane	ND		0.00384	1	12/29/2023 00:10	WG2197408
Chloroethane	ND		0.00767	1	12/29/2023 00:10	WG2197408
Chloroform	ND		0.00384	1	12/29/2023 00:10	WG2197408
Chloromethane	ND	C3	0.0192	1	12/29/2023 00:10	WG2197408
2-Chlorotoluene	ND		0.00384	1	12/29/2023 00:10	WG2197408
4-Chlorotoluene	ND		0.00767	1	12/29/2023 00:10	WG2197408
1,2-Dibromo-3-Chloropropane	ND		0.0384	1	12/29/2023 00:10	WG2197408

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	12/29/2023 00:10	WG2197408
Dibromomethane	ND		0.00767	1	12/29/2023 00:10	WG2197408
1,2-Dichlorobenzene	ND		0.00767	1	12/29/2023 00:10	WG2197408
1,3-Dichlorobenzene	ND		0.00767	1	12/29/2023 00:10	WG2197408
1,4-Dichlorobenzene	ND		0.00767	1	12/29/2023 00:10	WG2197408
Dichlorodifluoromethane	ND		0.00767	1	12/29/2023 00:10	WG2197408
1,1-Dichloroethane	ND		0.00384	1	12/29/2023 00:10	WG2197408
1,2-Dichloroethane	ND		0.00384	1	12/29/2023 00:10	WG2197408
1,1-Dichloroethene	ND		0.00384	1	12/29/2023 00:10	WG2197408
cis-1,2-Dichloroethene	ND		0.00384	1	12/29/2023 00:10	WG2197408
trans-1,2-Dichloroethene	ND	C3	0.00767	1	12/29/2023 00:10	WG2197408
1,2-Dichloropropane	ND		0.00767	1	12/29/2023 00:10	WG2197408
1,1-Dichloropropene	ND		0.00384	1	12/29/2023 00:10	WG2197408
1,3-Dichloropropane	ND		0.00767	1	12/29/2023 00:10	WG2197408
cis-1,3-Dichloropropene	ND		0.00384	1	12/29/2023 00:10	WG2197408
trans-1,3-Dichloropropene	ND		0.00767	1	12/29/2023 00:10	WG2197408
2,2-Dichloropropane	ND		0.00384	1	12/29/2023 00:10	WG2197408
Di-isopropyl ether	ND		0.00153	1	12/29/2023 00:10	WG2197408
Ethylbenzene	ND		0.00384	1	12/29/2023 00:10	WG2197408
Hexachloro-1,3-butadiene	ND		0.0384	1	12/29/2023 00:10	WG2197408
Isopropylbenzene	ND		0.00384	1	12/29/2023 00:10	WG2197408
p-Isopropyltoluene	ND		0.00767	1	12/29/2023 00:10	WG2197408
2-Butanone (MEK)	ND	C3	0.153	1	12/29/2023 00:10	WG2197408
Methylene Chloride	ND		0.0384	1	12/29/2023 00:10	WG2197408
4-Methyl-2-pentanone (MIBK)	ND		0.0384	1	12/29/2023 00:10	WG2197408
Methyl tert-butyl ether	ND		0.00153	1	12/29/2023 00:10	WG2197408
Naphthalene	ND	C3	0.0192	1	12/29/2023 00:10	WG2197408
n-Propylbenzene	ND		0.00767	1	12/29/2023 00:10	WG2197408
Styrene	ND	C3	0.0192	1	12/29/2023 00:10	WG2197408
1,1,1,2-Tetrachloroethane	ND		0.00384	1	12/29/2023 00:10	WG2197408
1,1,2,2-Tetrachloroethane	ND		0.00384	1	12/29/2023 00:10	WG2197408
Tetrachloroethene	ND		0.00384	1	12/29/2023 00:10	WG2197408
Toluene	ND		0.00767	1	12/29/2023 00:10	WG2197408
1,2,3-Trichlorobenzene	ND	C3	0.0192	1	12/29/2023 00:10	WG2197408
1,2,4-Trichlorobenzene	ND	C3	0.0192	1	12/29/2023 00:10	WG2197408
1,1,1-Trichloroethane	ND		0.00384	1	12/29/2023 00:10	WG2197408
1,1,2-Trichloroethane	ND		0.00384	1	12/29/2023 00:10	WG2197408
Trichloroethene	ND		0.00153	1	12/29/2023 00:10	WG2197408
Trichlorofluoromethane	ND		0.00384	1	12/29/2023 00:10	WG2197408
1,2,3-Trichloropropane	ND		0.0192	1	12/29/2023 00:10	WG2197408
1,2,4-Trimethylbenzene	ND		0.00767	1	12/29/2023 00:10	WG2197408
1,3,5-Trimethylbenzene	ND		0.00767	1	12/29/2023 00:10	WG2197408
Vinyl chloride	ND	C3	0.00384	1	12/29/2023 00:10	WG2197408
Xylenes, Total	ND		0.00997	1	12/29/2023 00:10	WG2197408
(S) Toluene-d8	*103*		*75.0-131*		*12/29/2023 00:10*	WG2197408
(S) 4-Bromofluorobenzene	*102*		*67.0-138*		*12/29/2023 00:10*	WG2197408
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*12/29/2023 00:10*	WG2197408

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		0.0413	1	12/29/2023 14:29	WG2194469
Acenaphthylene	ND		0.0413	1	12/29/2023 14:29	WG2194469
Anthracene	ND		0.0413	1	12/29/2023 14:29	WG2194469
Benzidine	ND		2.07	1	12/29/2023 14:29	WG2194469
Benzo(a)anthracene	ND		0.0413	1	12/29/2023 14:29	WG2194469

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		0.0413	1	12/29/2023 14:29	WG2194469
Benzo(k)fluoranthene	ND		0.0413	1	12/29/2023 14:29	WG2194469
Benzo(g,h,i)perylene	ND		0.0413	1	12/29/2023 14:29	WG2194469
Benzo(a)pyrene	ND		0.0413	1	12/29/2023 14:29	WG2194469
Bis(2-chlorethoxy)methane	ND		0.413	1	12/29/2023 14:29	WG2194469
Bis(2-chloroethyl)ether	ND		0.413	1	12/29/2023 14:29	WG2194469
2,2-Oxybis(1-Chloropropane)	ND		0.413	1	12/29/2023 14:29	WG2194469
4-Bromophenyl-phenylether	ND		0.413	1	12/29/2023 14:29	WG2194469
2-Chloronaphthalene	ND		0.0413	1	12/29/2023 14:29	WG2194469
4-Chlorophenyl-phenylether	ND		0.413	1	12/29/2023 14:29	WG2194469
Chrysene	ND		0.0413	1	12/29/2023 14:29	WG2194469
Dibenz(a,h)anthracene	ND		0.0413	1	12/29/2023 14:29	WG2194469
3,3-Dichlorobenzidine	ND		0.413	1	12/29/2023 14:29	WG2194469
2,4-Dinitrotoluene	ND		0.413	1	12/29/2023 14:29	WG2194469
2,6-Dinitrotoluene	ND		0.413	1	12/29/2023 14:29	WG2194469
Fluoranthene	0.0513		0.0413	1	12/29/2023 14:29	WG2194469
Fluorene	ND		0.0413	1	12/29/2023 14:29	WG2194469
Hexachlorobenzene	ND		0.413	1	12/29/2023 14:29	WG2194469
Hexachloro-1,3-butadiene	ND		0.413	1	12/29/2023 14:29	WG2194469
Hexachlorocyclopentadiene	ND		0.413	1	12/29/2023 14:29	WG2194469
Hexachloroethane	ND		0.413	1	12/29/2023 14:29	WG2194469
Indeno(1,2,3-cd)pyrene	ND		0.0413	1	12/29/2023 14:29	WG2194469
Isophorone	ND		0.413	1	12/29/2023 14:29	WG2194469
Naphthalene	ND		0.0413	1	12/29/2023 14:29	WG2194469
Nitrobenzene	ND		0.413	1	12/29/2023 14:29	WG2194469
n-Nitrosodimethylamine	ND		0.413	1	12/29/2023 14:29	WG2194469
n-Nitrosodiphenylamine	ND		0.413	1	12/29/2023 14:29	WG2194469
n-Nitrosodi-n-propylamine	ND		0.413	1	12/29/2023 14:29	WG2194469
Phenanthrene	ND		0.0413	1	12/29/2023 14:29	WG2194469
Benzylbutyl phthalate	ND		0.413	1	12/29/2023 14:29	WG2194469
Bis(2-ethylhexyl)phthalate	ND		0.413	1	12/29/2023 14:29	WG2194469
Di-n-butyl phthalate	ND		0.413	1	12/29/2023 14:29	WG2194469
Diethyl phthalate	ND		0.413	1	12/29/2023 14:29	WG2194469
Dimethyl phthalate	ND		0.413	1	12/29/2023 14:29	WG2194469
Di-n-octyl phthalate	ND		0.413	1	12/29/2023 14:29	WG2194469
Pyrene	0.0469		0.0413	1	12/29/2023 14:29	WG2194469
1,2,4-Trichlorobenzene	ND		0.413	1	12/29/2023 14:29	WG2194469
4-Chloro-3-methylphenol	ND		0.413	1	12/29/2023 14:29	WG2194469
2-Chlorophenol	ND		0.413	1	12/29/2023 14:29	WG2194469
2,4-Dichlorophenol	ND		0.413	1	12/29/2023 14:29	WG2194469
2,4-Dimethylphenol	ND		0.413	1	12/29/2023 14:29	WG2194469
4,6-Dinitro-2-methylphenol	ND		0.413	1	12/29/2023 14:29	WG2194469
2,4-Dinitrophenol	ND		0.413	1	12/29/2023 14:29	WG2194469
2-Nitrophenol	ND		0.413	1	12/29/2023 14:29	WG2194469
4-Nitrophenol	ND		0.413	1	12/29/2023 14:29	WG2194469
Pentachlorophenol	ND		0.413	1	12/29/2023 14:29	WG2194469
Phenol	ND		0.413	1	12/29/2023 14:29	WG2194469
2,4,6-Trichlorophenol	ND		0.413	1	12/29/2023 14:29	WG2194469
(S) 2-Fluorophenol	*47.7*		*12.0-120*		*12/29/2023 14:29*	WG2194469
(S) Phenol-d5	*44.6*		*10.0-120*		*12/29/2023 14:29*	WG2194469
(S) Nitrobenzene-d5	*46.8*		*10.0-122*		*12/29/2023 14:29*	WG2194469
(S) 2-Fluorobiphenyl	*48.6*		*15.0-120*		*12/29/2023 14:29*	WG2194469
(S) 2,4,6-Tribromophenol	*48.6*		*10.0-127*		*12/29/2023 14:29*	WG2194469
(S) p-Terphenyl-d14	*50.5*		*10.0-120*		*12/29/2023 14:29*	WG2194469

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.1		1	12/22/2023 09:41	WG2194510

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	12/27/2023 16:21	WG2194724

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0499	1	12/27/2023 11:02	WG2194334

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.74	5	01/02/2024 12:56	WG2194557
Arsenic	2.43		1.25	5	01/02/2024 12:56	WG2194557
Barium	119		3.12	5	01/02/2024 12:56	WG2194557
Beryllium	ND		3.12	5	01/02/2024 12:56	WG2194557
Cadmium	ND		1.25	5	01/02/2024 12:56	WG2194557
Chromium	23.0		6.24	5	01/02/2024 12:56	WG2194557
Cobalt	17.2		1.25	5	01/02/2024 12:56	WG2194557
Copper	14.8		6.24	5	01/02/2024 12:56	WG2194557
Lead	17.6		2.50	5	01/02/2024 12:56	WG2194557
Manganese	470		3.12	5	01/02/2024 12:56	WG2194557
Nickel	14.5		3.12	5	01/02/2024 12:56	WG2194557
Selenium	ND		3.12	5	01/02/2024 12:56	WG2194557
Silver	ND		0.624	5	01/02/2024 12:56	WG2194557
Thallium	ND		2.50	5	01/02/2024 12:56	WG2194557
Vanadium	26.8		3.12	5	01/02/2024 12:56	WG2194557
Zinc	58.6		31.2	5	01/02/2024 12:56	WG2194557

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	0.0785	1	12/29/2023 00:29	WG2197408
Acrylonitrile	ND		0.0196	1	12/29/2023 00:29	WG2197408
Benzene	ND		0.00157	1	12/29/2023 00:29	WG2197408
Bromobenzene	ND		0.0196	1	12/29/2023 00:29	WG2197408
Bromodichloromethane	ND		0.00393	1	12/29/2023 00:29	WG2197408
Bromoform	ND		0.0393	1	12/29/2023 00:29	WG2197408
Bromomethane	ND		0.0196	1	12/29/2023 00:29	WG2197408
n-Butylbenzene	ND		0.0196	1	12/29/2023 00:29	WG2197408
sec-Butylbenzene	ND		0.0196	1	12/29/2023 00:29	WG2197408
tert-Butylbenzene	ND		0.00785	1	12/29/2023 00:29	WG2197408
Carbon tetrachloride	ND		0.00785	1	12/29/2023 00:29	WG2197408
Chlorobenzene	ND		0.00393	1	12/29/2023 00:29	WG2197408
Chlorodibromomethane	ND		0.00393	1	12/29/2023 00:29	WG2197408
Chloroethane	ND		0.00785	1	12/29/2023 00:29	WG2197408
Chloroform	ND		0.00393	1	12/29/2023 00:29	WG2197408
Chloromethane	ND	C3	0.0196	1	12/29/2023 00:29	WG2197408
2-Chlorotoluene	ND		0.00393	1	12/29/2023 00:29	WG2197408
4-Chlorotoluene	ND		0.00785	1	12/29/2023 00:29	WG2197408
1,2-Dibromo-3-Chloropropane	ND		0.0393	1	12/29/2023 00:29	WG2197408

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		0.00393	1	12/29/2023 00:29	WG2197408
Dibromomethane	ND		0.00785	1	12/29/2023 00:29	WG2197408
1,2-Dichlorobenzene	ND		0.00785	1	12/29/2023 00:29	WG2197408
1,3-Dichlorobenzene	ND		0.00785	1	12/29/2023 00:29	WG2197408
1,4-Dichlorobenzene	ND		0.00785	1	12/29/2023 00:29	WG2197408
Dichlorodifluoromethane	ND		0.00785	1	12/29/2023 00:29	WG2197408
1,1-Dichloroethane	ND		0.00393	1	12/29/2023 00:29	WG2197408
1,2-Dichloroethane	ND		0.00393	1	12/29/2023 00:29	WG2197408
1,1-Dichloroethene	ND		0.00393	1	12/29/2023 00:29	WG2197408
cis-1,2-Dichloroethene	ND		0.00393	1	12/29/2023 00:29	WG2197408
trans-1,2-Dichloroethene	ND	C3	0.00785	1	12/29/2023 00:29	WG2197408
1,2-Dichloropropane	ND		0.00785	1	12/29/2023 00:29	WG2197408
1,1-Dichloropropene	ND		0.00393	1	12/29/2023 00:29	WG2197408
1,3-Dichloropropane	ND		0.00785	1	12/29/2023 00:29	WG2197408
cis-1,3-Dichloropropene	ND		0.00393	1	12/29/2023 00:29	WG2197408
trans-1,3-Dichloropropene	ND		0.00785	1	12/29/2023 00:29	WG2197408
2,2-Dichloropropane	ND		0.00393	1	12/29/2023 00:29	WG2197408
Di-isopropyl ether	ND		0.00157	1	12/29/2023 00:29	WG2197408
Ethylbenzene	ND		0.00393	1	12/29/2023 00:29	WG2197408
Hexachloro-1,3-butadiene	ND		0.0393	1	12/29/2023 00:29	WG2197408
Isopropylbenzene	ND		0.00393	1	12/29/2023 00:29	WG2197408
p-Isopropyltoluene	ND		0.00785	1	12/29/2023 00:29	WG2197408
2-Butanone (MEK)	ND	C3	0.157	1	12/29/2023 00:29	WG2197408
Methylene Chloride	ND		0.0393	1	12/29/2023 00:29	WG2197408
4-Methyl-2-pentanone (MIBK)	ND		0.0393	1	12/29/2023 00:29	WG2197408
Methyl tert-butyl ether	ND		0.00157	1	12/29/2023 00:29	WG2197408
Naphthalene	ND	C3	0.0196	1	12/29/2023 00:29	WG2197408
n-Propylbenzene	ND		0.00785	1	12/29/2023 00:29	WG2197408
Styrene	ND	C3	0.0196	1	12/29/2023 00:29	WG2197408
1,1,1,2-Tetrachloroethane	ND		0.00393	1	12/29/2023 00:29	WG2197408
1,1,2,2-Tetrachloroethane	ND		0.00393	1	12/29/2023 00:29	WG2197408
Tetrachloroethene	ND		0.00393	1	12/29/2023 00:29	WG2197408
Toluene	ND		0.00785	1	12/29/2023 00:29	WG2197408
1,2,3-Trichlorobenzene	ND	C3	0.0196	1	12/29/2023 00:29	WG2197408
1,2,4-Trichlorobenzene	ND	C3	0.0196	1	12/29/2023 00:29	WG2197408
1,1,1-Trichloroethane	ND		0.00393	1	12/29/2023 00:29	WG2197408
1,1,2-Trichloroethane	ND		0.00393	1	12/29/2023 00:29	WG2197408
Trichloroethene	ND		0.00157	1	12/29/2023 00:29	WG2197408
Trichlorofluoromethane	ND		0.00393	1	12/29/2023 00:29	WG2197408
1,2,3-Trichloropropane	ND		0.0196	1	12/29/2023 00:29	WG2197408
1,2,4-Trimethylbenzene	ND		0.00785	1	12/29/2023 00:29	WG2197408
1,3,5-Trimethylbenzene	ND		0.00785	1	12/29/2023 00:29	WG2197408
Vinyl chloride	ND	C3	0.00393	1	12/29/2023 00:29	WG2197408
Xylenes, Total	ND		0.0102	1	12/29/2023 00:29	WG2197408
(S) Toluene-d8	*103*		*75.0-131*		*12/29/2023 00:29*	WG2197408
(S) 4-Bromofluorobenzene	*104*		*67.0-138*		*12/29/2023 00:29*	WG2197408
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*12/29/2023 00:29*	WG2197408

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	01/02/2024 23:15	WG2194469
Acenaphthylene	ND		0.0416	1	01/02/2024 23:15	WG2194469
Anthracene	ND		0.0416	1	01/02/2024 23:15	WG2194469
Benzidine	ND		2.08	1	01/02/2024 23:15	WG2194469
Benzo(a)anthracene	ND		0.0416	1	01/02/2024 23:15	WG2194469

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		0.0416	1	01/02/2024 23:15	WG2194469
Benzo(k)fluoranthene	ND		0.0416	1	01/02/2024 23:15	WG2194469
Benzo(g,h,i)perylene	ND		0.0416	1	01/02/2024 23:15	WG2194469
Benzo(a)pyrene	ND		0.0416	1	01/02/2024 23:15	WG2194469
Bis(2-chlorethoxy)methane	ND		0.416	1	01/02/2024 23:15	WG2194469
Bis(2-chloroethyl)ether	ND		0.416	1	01/02/2024 23:15	WG2194469
2,2-Oxybis(1-Chloropropane)	ND		0.416	1	01/02/2024 23:15	WG2194469
4-Bromophenyl-phenylether	ND		0.416	1	01/02/2024 23:15	WG2194469
2-Chloronaphthalene	ND		0.0416	1	01/02/2024 23:15	WG2194469
4-Chlorophenyl-phenylether	ND		0.416	1	01/02/2024 23:15	WG2194469
Chrysene	ND		0.0416	1	01/02/2024 23:15	WG2194469
Dibenz(a,h)anthracene	ND		0.0416	1	01/02/2024 23:15	WG2194469
3,3-Dichlorobenzidine	ND		0.416	1	01/02/2024 23:15	WG2194469
2,4-Dinitrotoluene	ND		0.416	1	01/02/2024 23:15	WG2194469
2,6-Dinitrotoluene	ND		0.416	1	01/02/2024 23:15	WG2194469
Fluoranthene	ND		0.0416	1	01/02/2024 23:15	WG2194469
Fluorene	ND		0.0416	1	01/02/2024 23:15	WG2194469
Hexachlorobenzene	ND		0.416	1	01/02/2024 23:15	WG2194469
Hexachloro-1,3-butadiene	ND		0.416	1	01/02/2024 23:15	WG2194469
Hexachlorocyclopentadiene	ND		0.416	1	01/02/2024 23:15	WG2194469
Hexachloroethane	ND		0.416	1	01/02/2024 23:15	WG2194469
Indeno(1,2,3-cd)pyrene	ND		0.0416	1	01/02/2024 23:15	WG2194469
Isophorone	ND		0.416	1	01/02/2024 23:15	WG2194469
Naphthalene	ND		0.0416	1	01/02/2024 23:15	WG2194469
Nitrobenzene	ND		0.416	1	01/02/2024 23:15	WG2194469
n-Nitrosodimethylamine	ND		0.416	1	01/02/2024 23:15	WG2194469
n-Nitrosodiphenylamine	ND		0.416	1	01/02/2024 23:15	WG2194469
n-Nitrosodi-n-propylamine	ND		0.416	1	01/02/2024 23:15	WG2194469
Phenanthrene	ND		0.0416	1	01/02/2024 23:15	WG2194469
Benzylbutyl phthalate	ND		0.416	1	01/02/2024 23:15	WG2194469
Bis(2-ethylhexyl)phthalate	ND		0.416	1	01/02/2024 23:15	WG2194469
Di-n-butyl phthalate	ND		0.416	1	01/02/2024 23:15	WG2194469
Diethyl phthalate	ND		0.416	1	01/02/2024 23:15	WG2194469
Dimethyl phthalate	ND		0.416	1	01/02/2024 23:15	WG2194469
Di-n-octyl phthalate	ND		0.416	1	01/02/2024 23:15	WG2194469
Pyrene	ND		0.0416	1	01/02/2024 23:15	WG2194469
1,2,4-Trichlorobenzene	ND		0.416	1	01/02/2024 23:15	WG2194469
4-Chloro-3-methylphenol	ND		0.416	1	01/02/2024 23:15	WG2194469
2-Chlorophenol	ND		0.416	1	01/02/2024 23:15	WG2194469
2,4-Dichlorophenol	ND		0.416	1	01/02/2024 23:15	WG2194469
2,4-Dimethylphenol	ND		0.416	1	01/02/2024 23:15	WG2194469
4,6-Dinitro-2-methylphenol	ND		0.416	1	01/02/2024 23:15	WG2194469
2,4-Dinitrophenol	ND		0.416	1	01/02/2024 23:15	WG2194469
2-Nitrophenol	ND		0.416	1	01/02/2024 23:15	WG2194469
4-Nitrophenol	ND		0.416	1	01/02/2024 23:15	WG2194469
Pentachlorophenol	ND		0.416	1	01/02/2024 23:15	WG2194469
Phenol	ND		0.416	1	01/02/2024 23:15	WG2194469
2,4,6-Trichlorophenol	ND		0.416	1	01/02/2024 23:15	WG2194469
(S) 2-Fluorophenol	*54.1*		*12.0-120*		*01/02/2024 23:15*	WG2194469
(S) Phenol-d5	*50.2*		*10.0-120*		*01/02/2024 23:15*	WG2194469
(S) Nitrobenzene-d5	*51.8*		*10.0-122*		*01/02/2024 23:15*	WG2194469
(S) 2-Fluorobiphenyl	*53.6*		*15.0-120*		*01/02/2024 23:15*	WG2194469
(S) 2,4,6-Tribromophenol	*55.6*		*10.0-127*		*01/02/2024 23:15*	WG2194469
(S) p-Terphenyl-d14	*56.0*		*10.0-120*		*01/02/2024 23:15*	WG2194469

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	12/22/2023 09:41	WG2194510

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	12/28/2023 07:16	WG2194735

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0477	1	12/27/2023 11:05	WG2194334

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.58	5	01/02/2024 13:00	WG2194557
Arsenic	1.58		1.19	5	01/02/2024 13:00	WG2194557
Barium	50.5		2.98	5	01/02/2024 13:00	WG2194557
Beryllium	ND		2.98	5	01/02/2024 13:00	WG2194557
Cadmium	ND		1.19	5	01/02/2024 13:00	WG2194557
Chromium	12.7		5.97	5	01/02/2024 13:00	WG2194557
Cobalt	5.11		1.19	5	01/02/2024 13:00	WG2194557
Copper	7.42		5.97	5	01/02/2024 13:00	WG2194557
Lead	22.6		2.39	5	01/02/2024 13:00	WG2194557
Manganese	279		2.98	5	01/02/2024 13:00	WG2194557
Nickel	7.40		2.98	5	01/02/2024 13:00	WG2194557
Selenium	ND		2.98	5	01/02/2024 13:00	WG2194557
Silver	ND		0.597	5	01/02/2024 13:00	WG2194557
Thallium	ND		2.39	5	01/02/2024 13:00	WG2194557
Vanadium	18.0		2.98	5	01/02/2024 13:00	WG2194557
Zinc	ND		29.8	5	01/02/2024 13:00	WG2194557

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	0.0729	1	12/29/2023 00:48	WG2197408
Acrylonitrile	ND		0.0182	1	12/29/2023 00:48	WG2197408
Benzene	ND		0.00146	1	12/29/2023 00:48	WG2197408
Bromobenzene	ND		0.0182	1	12/29/2023 00:48	WG2197408
Bromodichloromethane	ND		0.00364	1	12/29/2023 00:48	WG2197408
Bromoform	ND		0.0364	1	12/29/2023 00:48	WG2197408
Bromomethane	ND		0.0182	1	12/29/2023 00:48	WG2197408
n-Butylbenzene	ND		0.0182	1	12/29/2023 00:48	WG2197408
sec-Butylbenzene	ND		0.0182	1	12/29/2023 00:48	WG2197408
tert-Butylbenzene	ND		0.00729	1	12/29/2023 00:48	WG2197408
Carbon tetrachloride	ND		0.00729	1	12/29/2023 00:48	WG2197408
Chlorobenzene	ND		0.00364	1	12/29/2023 00:48	WG2197408
Chlorodibromomethane	ND		0.00364	1	12/29/2023 00:48	WG2197408
Chloroethane	ND		0.00729	1	12/29/2023 00:48	WG2197408
Chloroform	ND		0.00364	1	12/29/2023 00:48	WG2197408
Chloromethane	ND	C3	0.0182	1	12/29/2023 00:48	WG2197408
2-Chlorotoluene	ND		0.00364	1	12/29/2023 00:48	WG2197408
4-Chlorotoluene	ND		0.00729	1	12/29/2023 00:48	WG2197408
1,2-Dibromo-3-Chloropropane	ND		0.0364	1	12/29/2023 00:48	WG2197408

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	12/29/2023 00:48	WG2197408
Dibromomethane	ND		0.00729	1	12/29/2023 00:48	WG2197408
1,2-Dichlorobenzene	ND		0.00729	1	12/29/2023 00:48	WG2197408
1,3-Dichlorobenzene	ND		0.00729	1	12/29/2023 00:48	WG2197408
1,4-Dichlorobenzene	ND		0.00729	1	12/29/2023 00:48	WG2197408
Dichlorodifluoromethane	ND		0.00729	1	12/29/2023 00:48	WG2197408
1,1-Dichloroethane	ND		0.00364	1	12/29/2023 00:48	WG2197408
1,2-Dichloroethane	ND		0.00364	1	12/29/2023 00:48	WG2197408
1,1-Dichloroethene	ND		0.00364	1	12/29/2023 00:48	WG2197408
cis-1,2-Dichloroethene	ND		0.00364	1	12/29/2023 00:48	WG2197408
trans-1,2-Dichloroethene	ND	C3	0.00729	1	12/29/2023 00:48	WG2197408
1,2-Dichloropropane	ND		0.00729	1	12/29/2023 00:48	WG2197408
1,1-Dichloropropene	ND		0.00364	1	12/29/2023 00:48	WG2197408
1,3-Dichloropropane	ND		0.00729	1	12/29/2023 00:48	WG2197408
cis-1,3-Dichloropropene	ND		0.00364	1	12/29/2023 00:48	WG2197408
trans-1,3-Dichloropropene	ND		0.00729	1	12/29/2023 00:48	WG2197408
2,2-Dichloropropane	ND		0.00364	1	12/29/2023 00:48	WG2197408
Di-isopropyl ether	ND		0.00146	1	12/29/2023 00:48	WG2197408
Ethylbenzene	ND		0.00364	1	12/29/2023 00:48	WG2197408
Hexachloro-1,3-butadiene	ND		0.0364	1	12/29/2023 00:48	WG2197408
Isopropylbenzene	ND		0.00364	1	12/29/2023 00:48	WG2197408
p-Isopropyltoluene	ND		0.00729	1	12/29/2023 00:48	WG2197408
2-Butanone (MEK)	ND	C3	0.146	1	12/29/2023 00:48	WG2197408
Methylene Chloride	ND		0.0364	1	12/29/2023 00:48	WG2197408
4-Methyl-2-pentanone (MIBK)	ND		0.0364	1	12/29/2023 00:48	WG2197408
Methyl tert-butyl ether	ND		0.00146	1	12/29/2023 00:48	WG2197408
Naphthalene	ND	C3	0.0182	1	12/29/2023 00:48	WG2197408
n-Propylbenzene	ND		0.00729	1	12/29/2023 00:48	WG2197408
Styrene	ND	C3	0.0182	1	12/29/2023 00:48	WG2197408
1,1,1,2-Tetrachloroethane	ND		0.00364	1	12/29/2023 00:48	WG2197408
1,1,2,2-Tetrachloroethane	ND		0.00364	1	12/29/2023 00:48	WG2197408
Tetrachloroethene	ND		0.00364	1	12/29/2023 00:48	WG2197408
Toluene	ND		0.00729	1	12/29/2023 00:48	WG2197408
1,2,3-Trichlorobenzene	ND	C3	0.0182	1	12/29/2023 00:48	WG2197408
1,2,4-Trichlorobenzene	ND	C3	0.0182	1	12/29/2023 00:48	WG2197408
1,1,1-Trichloroethane	ND		0.00364	1	12/29/2023 00:48	WG2197408
1,1,2-Trichloroethane	ND		0.00364	1	12/29/2023 00:48	WG2197408
Trichloroethene	ND		0.00146	1	12/29/2023 00:48	WG2197408
Trichlorofluoromethane	ND		0.00364	1	12/29/2023 00:48	WG2197408
1,2,3-Trichloropropane	ND		0.0182	1	12/29/2023 00:48	WG2197408
1,2,4-Trimethylbenzene	ND		0.00729	1	12/29/2023 00:48	WG2197408
1,3,5-Trimethylbenzene	ND		0.00729	1	12/29/2023 00:48	WG2197408
Vinyl chloride	ND	C3	0.00364	1	12/29/2023 00:48	WG2197408
Xylenes, Total	ND		0.00947	1	12/29/2023 00:48	WG2197408
(S) Toluene-d8	*103*		*75.0-131*		*12/29/2023 00:48*	WG2197408
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*12/29/2023 00:48*	WG2197408
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*12/29/2023 00:48*	WG2197408

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	12/29/2023 14:53	WG2194469
Acenaphthylene	ND		0.0397	1	12/29/2023 14:53	WG2194469
Anthracene	ND		0.0397	1	12/29/2023 14:53	WG2194469
Benzidine	ND		1.99	1	12/29/2023 14:53	WG2194469
Benzo(a)anthracene	ND		0.0397	1	12/29/2023 14:53	WG2194469

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	12/29/2023 14:53	WG2194469
Benzo(k)fluoranthene	ND		0.0397	1	12/29/2023 14:53	WG2194469
Benzo(g,h,i)perylene	ND		0.0397	1	12/29/2023 14:53	WG2194469
Benzo(a)pyrene	ND		0.0397	1	12/29/2023 14:53	WG2194469
Bis(2-chlorethoxy)methane	ND		0.397	1	12/29/2023 14:53	WG2194469
Bis(2-chloroethyl)ether	ND		0.397	1	12/29/2023 14:53	WG2194469
2,2-Oxybis(1-Chloropropane)	ND		0.397	1	12/29/2023 14:53	WG2194469
4-Bromophenyl-phenylether	ND		0.397	1	12/29/2023 14:53	WG2194469
2-Chloronaphthalene	ND		0.0397	1	12/29/2023 14:53	WG2194469
4-Chlorophenyl-phenylether	ND		0.397	1	12/29/2023 14:53	WG2194469
Chrysene	ND		0.0397	1	12/29/2023 14:53	WG2194469
Dibenz(a,h)anthracene	ND		0.0397	1	12/29/2023 14:53	WG2194469
3,3-Dichlorobenzidine	ND		0.397	1	12/29/2023 14:53	WG2194469
2,4-Dinitrotoluene	ND		0.397	1	12/29/2023 14:53	WG2194469
2,6-Dinitrotoluene	ND		0.397	1	12/29/2023 14:53	WG2194469
Fluoranthene	0.0556		0.0397	1	12/29/2023 14:53	WG2194469
Fluorene	ND		0.0397	1	12/29/2023 14:53	WG2194469
Hexachlorobenzene	ND		0.397	1	12/29/2023 14:53	WG2194469
Hexachloro-1,3-butadiene	ND		0.397	1	12/29/2023 14:53	WG2194469
Hexachlorocyclopentadiene	ND		0.397	1	12/29/2023 14:53	WG2194469
Hexachloroethane	ND		0.397	1	12/29/2023 14:53	WG2194469
Indeno(1,2,3-cd)pyrene	ND		0.0397	1	12/29/2023 14:53	WG2194469
Isophorone	ND		0.397	1	12/29/2023 14:53	WG2194469
Naphthalene	ND		0.0397	1	12/29/2023 14:53	WG2194469
Nitrobenzene	ND		0.397	1	12/29/2023 14:53	WG2194469
n-Nitrosodimethylamine	ND		0.397	1	12/29/2023 14:53	WG2194469
n-Nitrosodiphenylamine	ND		0.397	1	12/29/2023 14:53	WG2194469
n-Nitrosodi-n-propylamine	ND		0.397	1	12/29/2023 14:53	WG2194469
Phenanthrene	ND		0.0397	1	12/29/2023 14:53	WG2194469
Benzylbutyl phthalate	ND		0.397	1	12/29/2023 14:53	WG2194469
Bis(2-ethylhexyl)phthalate	ND		0.397	1	12/29/2023 14:53	WG2194469
Di-n-butyl phthalate	ND		0.397	1	12/29/2023 14:53	WG2194469
Diethyl phthalate	ND		0.397	1	12/29/2023 14:53	WG2194469
Dimethyl phthalate	ND		0.397	1	12/29/2023 14:53	WG2194469
Di-n-octyl phthalate	ND		0.397	1	12/29/2023 14:53	WG2194469
Pyrene	0.0482		0.0397	1	12/29/2023 14:53	WG2194469
1,2,4-Trichlorobenzene	ND		0.397	1	12/29/2023 14:53	WG2194469
4-Chloro-3-methylphenol	ND		0.397	1	12/29/2023 14:53	WG2194469
2-Chlorophenol	ND		0.397	1	12/29/2023 14:53	WG2194469
2,4-Dichlorophenol	ND		0.397	1	12/29/2023 14:53	WG2194469
2,4-Dimethylphenol	ND		0.397	1	12/29/2023 14:53	WG2194469
4,6-Dinitro-2-methylphenol	ND		0.397	1	12/29/2023 14:53	WG2194469
2,4-Dinitrophenol	ND		0.397	1	12/29/2023 14:53	WG2194469
2-Nitrophenol	ND		0.397	1	12/29/2023 14:53	WG2194469
4-Nitrophenol	ND		0.397	1	12/29/2023 14:53	WG2194469
Pentachlorophenol	ND		0.397	1	12/29/2023 14:53	WG2194469
Phenol	ND		0.397	1	12/29/2023 14:53	WG2194469
2,4,6-Trichlorophenol	ND		0.397	1	12/29/2023 14:53	WG2194469
(S) 2-Fluorophenol	*55.6*		*12.0-120*		*12/29/2023 14:53*	WG2194469
(S) Phenol-d5	*52.8*		*10.0-120*		*12/29/2023 14:53*	WG2194469
(S) Nitrobenzene-d5	*55.4*		*10.0-122*		*12/29/2023 14:53*	WG2194469
(S) 2-Fluorobiphenyl	*59.4*		*15.0-120*		*12/29/2023 14:53*	WG2194469
(S) 2,4,6-Tribromophenol	*59.9*		*10.0-127*		*12/29/2023 14:53*	WG2194469
(S) p-Terphenyl-d14	*60.1*		*10.0-120*		*12/29/2023 14:53*	WG2194469

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.4		1	12/22/2023 09:41	WG2194510

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.14	1	12/28/2023 07:29	WG2194735

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0458	1	12/27/2023 11:07	WG2194334

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.43	5	01/02/2024 13:03	WG2194557
Arsenic	1.94		1.14	5	01/02/2024 13:03	WG2194557
Barium	65.4		2.86	5	01/02/2024 13:03	WG2194557
Beryllium	ND		2.86	5	01/02/2024 13:03	WG2194557
Cadmium	ND		1.14	5	01/02/2024 13:03	WG2194557
Chromium	15.0		5.72	5	01/02/2024 13:03	WG2194557
Cobalt	6.83		1.14	5	01/02/2024 13:03	WG2194557
Copper	16.9		5.72	5	01/02/2024 13:03	WG2194557
Lead	39.6		2.29	5	01/02/2024 13:03	WG2194557
Manganese	229		2.86	5	01/02/2024 13:03	WG2194557
Nickel	20.4		2.86	5	01/02/2024 13:03	WG2194557
Selenium	ND		2.86	5	01/02/2024 13:03	WG2194557
Silver	ND		0.572	5	01/02/2024 13:03	WG2194557
Thallium	ND		2.29	5	01/02/2024 13:03	WG2194557
Vanadium	21.3		2.86	5	01/02/2024 13:03	WG2194557
Zinc	47.5		28.6	5	01/02/2024 13:03	WG2194557

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	0.0662	1	12/27/2023 04:54	WG2196204
Acrylonitrile	ND		0.0166	1	12/27/2023 04:54	WG2196204
Benzene	ND		0.00132	1	12/27/2023 04:54	WG2196204
Bromobenzene	ND		0.0166	1	12/27/2023 04:54	WG2196204
Bromodichloromethane	ND		0.00331	1	12/27/2023 04:54	WG2196204
Bromoform	ND		0.0331	1	12/27/2023 04:54	WG2196204
Bromomethane	ND	C3	0.0166	1	12/27/2023 04:54	WG2196204
n-Butylbenzene	ND		0.0166	1	12/27/2023 04:54	WG2196204
sec-Butylbenzene	ND		0.0166	1	12/27/2023 04:54	WG2196204
tert-Butylbenzene	ND		0.00662	1	12/27/2023 04:54	WG2196204
Carbon tetrachloride	ND		0.00662	1	12/27/2023 04:54	WG2196204
Chlorobenzene	ND		0.00331	1	12/27/2023 04:54	WG2196204
Chlorodibromomethane	ND		0.00331	1	12/27/2023 04:54	WG2196204
Chloroethane	ND		0.00662	1	12/27/2023 04:54	WG2196204
Chloroform	ND		0.00331	1	12/27/2023 04:54	WG2196204
Chloromethane	ND		0.0166	1	12/27/2023 04:54	WG2196204
2-Chlorotoluene	ND		0.00331	1	12/27/2023 04:54	WG2196204
4-Chlorotoluene	ND		0.00662	1	12/27/2023 04:54	WG2196204
1,2-Dibromo-3-Chloropropane	ND		0.0331	1	12/27/2023 04:54	WG2196204

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		0.00331	1	12/27/2023 04:54	WG2196204
Dibromomethane	ND		0.00662	1	12/27/2023 04:54	WG2196204
1,2-Dichlorobenzene	ND		0.00662	1	12/27/2023 04:54	WG2196204
1,3-Dichlorobenzene	ND		0.00662	1	12/27/2023 04:54	WG2196204
1,4-Dichlorobenzene	ND		0.00662	1	12/27/2023 04:54	WG2196204
Dichlorodifluoromethane	ND		0.00662	1	12/27/2023 04:54	WG2196204
1,1-Dichloroethane	ND		0.00331	1	12/27/2023 04:54	WG2196204
1,2-Dichloroethane	ND		0.00331	1	12/27/2023 04:54	WG2196204
1,1-Dichloroethene	ND		0.00331	1	12/27/2023 04:54	WG2196204
cis-1,2-Dichloroethene	ND		0.00331	1	12/27/2023 04:54	WG2196204
trans-1,2-Dichloroethene	ND		0.00662	1	12/27/2023 04:54	WG2196204
1,2-Dichloropropane	ND		0.00662	1	12/27/2023 04:54	WG2196204
1,1-Dichloropropene	ND		0.00331	1	12/27/2023 04:54	WG2196204
1,3-Dichloropropane	ND		0.00662	1	12/27/2023 04:54	WG2196204
cis-1,3-Dichloropropene	ND		0.00331	1	12/27/2023 04:54	WG2196204
trans-1,3-Dichloropropene	ND		0.00662	1	12/27/2023 04:54	WG2196204
2,2-Dichloropropane	ND		0.00331	1	12/27/2023 04:54	WG2196204
Di-isopropyl ether	ND		0.00132	1	12/27/2023 04:54	WG2196204
Ethylbenzene	ND		0.00331	1	12/27/2023 04:54	WG2196204
Hexachloro-1,3-butadiene	ND		0.0331	1	12/27/2023 04:54	WG2196204
Isopropylbenzene	ND		0.00331	1	12/27/2023 04:54	WG2196204
p-Isopropyltoluene	ND		0.00662	1	12/27/2023 04:54	WG2196204
2-Butanone (MEK)	ND		0.132	1	12/27/2023 04:54	WG2196204
Methylene Chloride	ND		0.0331	1	12/27/2023 04:54	WG2196204
4-Methyl-2-pentanone (MIBK)	ND		0.0331	1	12/27/2023 04:54	WG2196204
Methyl tert-butyl ether	ND		0.00132	1	12/27/2023 04:54	WG2196204
Naphthalene	ND		0.0166	1	12/27/2023 04:54	WG2196204
n-Propylbenzene	ND		0.00662	1	12/27/2023 04:54	WG2196204
Styrene	ND		0.0166	1	12/27/2023 04:54	WG2196204
1,1,1,2-Tetrachloroethane	ND		0.00331	1	12/27/2023 04:54	WG2196204
1,1,2,2-Tetrachloroethane	ND		0.00331	1	12/27/2023 04:54	WG2196204
Tetrachloroethene	ND		0.00331	1	12/27/2023 04:54	WG2196204
Toluene	ND		0.00662	1	12/27/2023 04:54	WG2196204
1,2,3-Trichlorobenzene	ND		0.0166	1	12/27/2023 04:54	WG2196204
1,2,4-Trichlorobenzene	ND		0.0166	1	12/27/2023 04:54	WG2196204
1,1,1-Trichloroethane	ND		0.00331	1	12/27/2023 04:54	WG2196204
1,1,2-Trichloroethane	ND		0.00331	1	12/27/2023 04:54	WG2196204
Trichloroethene	ND		0.00132	1	12/27/2023 04:54	WG2196204
Trichlorofluoromethane	ND		0.00331	1	12/27/2023 04:54	WG2196204
1,2,3-Trichloropropane	ND		0.0166	1	12/27/2023 04:54	WG2196204
1,2,4-Trimethylbenzene	ND		0.00662	1	12/27/2023 04:54	WG2196204
1,3,5-Trimethylbenzene	ND		0.00662	1	12/27/2023 04:54	WG2196204
Vinyl chloride	ND		0.00331	1	12/27/2023 04:54	WG2196204
Xylenes, Total	ND		0.00861	1	12/27/2023 04:54	WG2196204
(S) Toluene-d8	*101*		*75.0-131*		*12/27/2023 04:54*	WG2196204
(S) 4-Bromofluorobenzene	*102*		*67.0-138*		*12/27/2023 04:54*	WG2196204
(S) 1,2-Dichloroethane-d4	*119*		*70.0-130*		*12/27/2023 04:54*	WG2196204

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	12/29/2023 16:29	WG2194469
Acenaphthylene	ND		0.0381	1	12/29/2023 16:29	WG2194469
Anthracene	ND		0.0381	1	12/29/2023 16:29	WG2194469
Benzidine	ND		1.91	1	12/29/2023 16:29	WG2194469
Benzo(a)anthracene	ND		0.0381	1	12/29/2023 16:29	WG2194469

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	0.0705		0.0381	1	12/29/2023 16:29	WG2194469
Benzo(k)fluoranthene	ND		0.0381	1	12/29/2023 16:29	WG2194469
Benzo(g,h,i)perylene	0.0457		0.0381	1	12/29/2023 16:29	WG2194469
Benzo(a)pyrene	0.0467		0.0381	1	12/29/2023 16:29	WG2194469
Bis(2-chlorethoxy)methane	ND		0.381	1	12/29/2023 16:29	WG2194469
Bis(2-chloroethyl)ether	ND		0.381	1	12/29/2023 16:29	WG2194469
2,2-Oxybis(1-Chloropropane)	ND		0.381	1	12/29/2023 16:29	WG2194469
4-Bromophenyl-phenylether	ND		0.381	1	12/29/2023 16:29	WG2194469
2-Chloronaphthalene	ND		0.0381	1	12/29/2023 16:29	WG2194469
4-Chlorophenyl-phenylether	ND		0.381	1	12/29/2023 16:29	WG2194469
Chrysene	0.0469		0.0381	1	12/29/2023 16:29	WG2194469
Dibenz(a,h)anthracene	ND		0.0381	1	12/29/2023 16:29	WG2194469
3,3-Dichlorobenzidine	ND		0.381	1	12/29/2023 16:29	WG2194469
2,4-Dinitrotoluene	ND		0.381	1	12/29/2023 16:29	WG2194469
2,6-Dinitrotoluene	ND		0.381	1	12/29/2023 16:29	WG2194469
Fluoranthene	0.0892		0.0381	1	12/29/2023 16:29	WG2194469
Fluorene	ND		0.0381	1	12/29/2023 16:29	WG2194469
Hexachlorobenzene	ND		0.381	1	12/29/2023 16:29	WG2194469
Hexachloro-1,3-butadiene	ND		0.381	1	12/29/2023 16:29	WG2194469
Hexachlorocyclopentadiene	ND		0.381	1	12/29/2023 16:29	WG2194469
Hexachloroethane	ND		0.381	1	12/29/2023 16:29	WG2194469
Indeno(1,2,3-cd)pyrene	0.0486		0.0381	1	12/29/2023 16:29	WG2194469
Isophorone	ND		0.381	1	12/29/2023 16:29	WG2194469
Naphthalene	ND		0.0381	1	12/29/2023 16:29	WG2194469
Nitrobenzene	ND		0.381	1	12/29/2023 16:29	WG2194469
n-Nitrosodimethylamine	ND		0.381	1	12/29/2023 16:29	WG2194469
n-Nitrosodiphenylamine	ND		0.381	1	12/29/2023 16:29	WG2194469
n-Nitrosodi-n-propylamine	ND		0.381	1	12/29/2023 16:29	WG2194469
Phenanthrene	ND		0.0381	1	12/29/2023 16:29	WG2194469
Benzylbutyl phthalate	ND		0.381	1	12/29/2023 16:29	WG2194469
Bis(2-ethylhexyl)phthalate	ND		0.381	1	12/29/2023 16:29	WG2194469
Di-n-butyl phthalate	ND		0.381	1	12/29/2023 16:29	WG2194469
Diethyl phthalate	ND		0.381	1	12/29/2023 16:29	WG2194469
Dimethyl phthalate	ND		0.381	1	12/29/2023 16:29	WG2194469
Di-n-octyl phthalate	ND		0.381	1	12/29/2023 16:29	WG2194469
Pyrene	0.0718		0.0381	1	12/29/2023 16:29	WG2194469
1,2,4-Trichlorobenzene	ND		0.381	1	12/29/2023 16:29	WG2194469
4-Chloro-3-methylphenol	ND		0.381	1	12/29/2023 16:29	WG2194469
2-Chlorophenol	ND		0.381	1	12/29/2023 16:29	WG2194469
2,4-Dichlorophenol	ND		0.381	1	12/29/2023 16:29	WG2194469
2,4-Dimethylphenol	ND		0.381	1	12/29/2023 16:29	WG2194469
4,6-Dinitro-2-methylphenol	ND		0.381	1	12/29/2023 16:29	WG2194469
2,4-Dinitrophenol	ND		0.381	1	12/29/2023 16:29	WG2194469
2-Nitrophenol	ND		0.381	1	12/29/2023 16:29	WG2194469
4-Nitrophenol	ND		0.381	1	12/29/2023 16:29	WG2194469
Pentachlorophenol	ND		0.381	1	12/29/2023 16:29	WG2194469
Phenol	ND		0.381	1	12/29/2023 16:29	WG2194469
2,4,6-Trichlorophenol	ND		0.381	1	12/29/2023 16:29	WG2194469
(S) 2-Fluorophenol	*50.5*		*12.0-120*		*12/29/2023 16:29*	WG2194469
(S) Phenol-d5	*46.2*		*10.0-120*		*12/29/2023 16:29*	WG2194469
(S) Nitrobenzene-d5	*49.2*		*10.0-122*		*12/29/2023 16:29*	WG2194469
(S) 2-Fluorobiphenyl	*50.5*		*15.0-120*		*12/29/2023 16:29*	WG2194469
(S) 2,4,6-Tribromophenol	*51.2*		*10.0-127*		*12/29/2023 16:29*	WG2194469
(S) p-Terphenyl-d14	*50.2*		*10.0-120*		*12/29/2023 16:29*	WG2194469

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.6		1	12/22/2023 09:41	WG2194510

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	12/27/2023 16:27	WG2194724

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0543		0.0467	1	12/27/2023 11:10	WG2194334

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.51	5	01/02/2024 13:06	WG2194557
Arsenic	1.76		1.17	5	01/02/2024 13:06	WG2194557
Barium	59.6		2.92	5	01/02/2024 13:06	WG2194557
Beryllium	ND		2.92	5	01/02/2024 13:06	WG2194557
Cadmium	ND		1.17	5	01/02/2024 13:06	WG2194557
Chromium	14.3		5.84	5	01/02/2024 13:06	WG2194557
Cobalt	9.75		1.17	5	01/02/2024 13:06	WG2194557
Copper	14.8		5.84	5	01/02/2024 13:06	WG2194557
Lead	43.1		2.34	5	01/02/2024 13:06	WG2194557
Manganese	268		2.92	5	01/02/2024 13:06	WG2194557
Nickel	36.0		2.92	5	01/02/2024 13:06	WG2194557
Selenium	ND		2.92	5	01/02/2024 13:06	WG2194557
Silver	ND		0.584	5	01/02/2024 13:06	WG2194557
Thallium	ND		2.34	5	01/02/2024 13:06	WG2194557
Vanadium	21.4		2.92	5	01/02/2024 13:06	WG2194557
Zinc	47.8		29.2	5	01/02/2024 13:06	WG2194557

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	0.0701	1	12/27/2023 05:13	WG2196204
Acrylonitrile	ND		0.0175	1	12/27/2023 05:13	WG2196204
Benzene	ND		0.00140	1	12/27/2023 05:13	WG2196204
Bromobenzene	ND		0.0175	1	12/27/2023 05:13	WG2196204
Bromodichloromethane	ND		0.00351	1	12/27/2023 05:13	WG2196204
Bromoform	ND		0.0351	1	12/27/2023 05:13	WG2196204
Bromomethane	ND	C3	0.0175	1	12/27/2023 05:13	WG2196204
n-Butylbenzene	ND		0.0175	1	12/27/2023 05:13	WG2196204
sec-Butylbenzene	ND		0.0175	1	12/27/2023 05:13	WG2196204
tert-Butylbenzene	ND		0.00701	1	12/27/2023 05:13	WG2196204
Carbon tetrachloride	ND		0.00701	1	12/27/2023 05:13	WG2196204
Chlorobenzene	ND		0.00351	1	12/27/2023 05:13	WG2196204
Chlorodibromomethane	ND		0.00351	1	12/27/2023 05:13	WG2196204
Chloroethane	ND		0.00701	1	12/27/2023 05:13	WG2196204
Chloroform	ND		0.00351	1	12/27/2023 05:13	WG2196204
Chloromethane	ND		0.0175	1	12/27/2023 05:13	WG2196204
2-Chlorotoluene	ND		0.00351	1	12/27/2023 05:13	WG2196204
4-Chlorotoluene	ND		0.00701	1	12/27/2023 05:13	WG2196204
1,2-Dibromo-3-Chloropropane	ND		0.0351	1	12/27/2023 05:13	WG2196204

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		0.00351	1	12/27/2023 05:13	WG2196204
Dibromomethane	ND		0.00701	1	12/27/2023 05:13	WG2196204
1,2-Dichlorobenzene	ND		0.00701	1	12/27/2023 05:13	WG2196204
1,3-Dichlorobenzene	ND		0.00701	1	12/27/2023 05:13	WG2196204
1,4-Dichlorobenzene	ND		0.00701	1	12/27/2023 05:13	WG2196204
Dichlorodifluoromethane	ND		0.00701	1	12/27/2023 05:13	WG2196204
1,1-Dichloroethane	ND		0.00351	1	12/27/2023 05:13	WG2196204
1,2-Dichloroethane	ND		0.00351	1	12/27/2023 05:13	WG2196204
1,1-Dichloroethene	ND		0.00351	1	12/27/2023 05:13	WG2196204
cis-1,2-Dichloroethene	ND		0.00351	1	12/27/2023 05:13	WG2196204
trans-1,2-Dichloroethene	ND		0.00701	1	12/27/2023 05:13	WG2196204
1,2-Dichloropropane	ND		0.00701	1	12/27/2023 05:13	WG2196204
1,1-Dichloropropene	ND		0.00351	1	12/27/2023 05:13	WG2196204
1,3-Dichloropropane	ND		0.00701	1	12/27/2023 05:13	WG2196204
cis-1,3-Dichloropropene	ND		0.00351	1	12/27/2023 05:13	WG2196204
trans-1,3-Dichloropropene	ND		0.00701	1	12/27/2023 05:13	WG2196204
2,2-Dichloropropane	ND		0.00351	1	12/27/2023 05:13	WG2196204
Di-isopropyl ether	ND		0.00140	1	12/27/2023 05:13	WG2196204
Ethylbenzene	ND		0.00351	1	12/27/2023 05:13	WG2196204
Hexachloro-1,3-butadiene	ND		0.0351	1	12/27/2023 05:13	WG2196204
Isopropylbenzene	ND		0.00351	1	12/27/2023 05:13	WG2196204
p-Isopropyltoluene	ND		0.00701	1	12/27/2023 05:13	WG2196204
2-Butanone (MEK)	ND		0.140	1	12/27/2023 05:13	WG2196204
Methylene Chloride	ND		0.0351	1	12/27/2023 05:13	WG2196204
4-Methyl-2-pentanone (MIBK)	ND		0.0351	1	12/27/2023 05:13	WG2196204
Methyl tert-butyl ether	ND		0.00140	1	12/27/2023 05:13	WG2196204
Naphthalene	ND		0.0175	1	12/27/2023 05:13	WG2196204
n-Propylbenzene	ND		0.00701	1	12/27/2023 05:13	WG2196204
Styrene	ND		0.0175	1	12/27/2023 05:13	WG2196204
1,1,1,2-Tetrachloroethane	ND		0.00351	1	12/27/2023 05:13	WG2196204
1,1,2,2-Tetrachloroethane	ND		0.00351	1	12/27/2023 05:13	WG2196204
Tetrachloroethene	ND		0.00351	1	12/27/2023 05:13	WG2196204
Toluene	ND		0.00701	1	12/27/2023 05:13	WG2196204
1,2,3-Trichlorobenzene	ND		0.0175	1	12/27/2023 05:13	WG2196204
1,2,4-Trichlorobenzene	ND		0.0175	1	12/27/2023 05:13	WG2196204
1,1,1-Trichloroethane	ND		0.00351	1	12/27/2023 05:13	WG2196204
1,1,2-Trichloroethane	ND		0.00351	1	12/27/2023 05:13	WG2196204
Trichloroethene	ND		0.00140	1	12/27/2023 05:13	WG2196204
Trichlorofluoromethane	ND		0.00351	1	12/27/2023 05:13	WG2196204
1,2,3-Trichloropropane	ND		0.0175	1	12/27/2023 05:13	WG2196204
1,2,4-Trimethylbenzene	ND		0.00701	1	12/27/2023 05:13	WG2196204
1,3,5-Trimethylbenzene	ND		0.00701	1	12/27/2023 05:13	WG2196204
Vinyl chloride	ND		0.00351	1	12/27/2023 05:13	WG2196204
Xylenes, Total	ND		0.00912	1	12/27/2023 05:13	WG2196204
(S) Toluene-d8	*103*		*75.0-131*		*12/27/2023 05:13*	WG2196204
(S) 4-Bromofluorobenzene	*105*		*67.0-138*		*12/27/2023 05:13*	WG2196204
(S) 1,2-Dichloroethane-d4	*119*		*70.0-130*		*12/27/2023 05:13*	WG2196204

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	01/02/2024 23:38	WG2194469
Acenaphthylene	ND		0.0389	1	01/02/2024 23:38	WG2194469
Anthracene	ND		0.0389	1	01/02/2024 23:38	WG2194469
Benzidine	ND		1.95	1	01/02/2024 23:38	WG2194469
Benzo(a)anthracene	0.109		0.0389	1	01/02/2024 23:38	WG2194469

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	0.132		0.0389	1	01/02/2024 23:38	WG2194469
Benzo(k)fluoranthene	0.0403		0.0389	1	01/02/2024 23:38	WG2194469
Benzo(g,h,i)perylene	0.0542		0.0389	1	01/02/2024 23:38	WG2194469
Benzo(a)pyrene	0.0970		0.0389	1	01/02/2024 23:38	WG2194469
Bis(2-chlorethoxy)methane	ND		0.389	1	01/02/2024 23:38	WG2194469
Bis(2-chloroethyl)ether	ND		0.389	1	01/02/2024 23:38	WG2194469
2,2-Oxybis(1-Chloropropane)	ND		0.389	1	01/02/2024 23:38	WG2194469
4-Bromophenyl-phenylether	ND		0.389	1	01/02/2024 23:38	WG2194469
2-Chloronaphthalene	ND		0.0389	1	01/02/2024 23:38	WG2194469
4-Chlorophenyl-phenylether	ND		0.389	1	01/02/2024 23:38	WG2194469
Chrysene	0.0916		0.0389	1	01/02/2024 23:38	WG2194469
Dibenz(a,h)anthracene	ND		0.0389	1	01/02/2024 23:38	WG2194469
3,3-Dichlorobenzidine	ND		0.389	1	01/02/2024 23:38	WG2194469
2,4-Dinitrotoluene	ND		0.389	1	01/02/2024 23:38	WG2194469
2,6-Dinitrotoluene	ND		0.389	1	01/02/2024 23:38	WG2194469
Fluoranthene	0.223		0.0389	1	01/02/2024 23:38	WG2194469
Fluorene	ND		0.0389	1	01/02/2024 23:38	WG2194469
Hexachlorobenzene	ND		0.389	1	01/02/2024 23:38	WG2194469
Hexachloro-1,3-butadiene	ND		0.389	1	01/02/2024 23:38	WG2194469
Hexachlorocyclopentadiene	ND		0.389	1	01/02/2024 23:38	WG2194469
Hexachloroethane	ND		0.389	1	01/02/2024 23:38	WG2194469
Indeno(1,2,3-cd)pyrene	0.0637		0.0389	1	01/02/2024 23:38	WG2194469
Isophorone	ND		0.389	1	01/02/2024 23:38	WG2194469
Naphthalene	ND		0.0389	1	01/02/2024 23:38	WG2194469
Nitrobenzene	ND		0.389	1	01/02/2024 23:38	WG2194469
n-Nitrosodimethylamine	ND		0.389	1	01/02/2024 23:38	WG2194469
n-Nitrosodiphenylamine	ND		0.389	1	01/02/2024 23:38	WG2194469
n-Nitrosodi-n-propylamine	ND		0.389	1	01/02/2024 23:38	WG2194469
Phenanthrene	0.118		0.0389	1	01/02/2024 23:38	WG2194469
Benzylbutyl phthalate	ND		0.389	1	01/02/2024 23:38	WG2194469
Bis(2-ethylhexyl)phthalate	ND		0.389	1	01/02/2024 23:38	WG2194469
Di-n-butyl phthalate	ND		0.389	1	01/02/2024 23:38	WG2194469
Diethyl phthalate	ND		0.389	1	01/02/2024 23:38	WG2194469
Dimethyl phthalate	ND		0.389	1	01/02/2024 23:38	WG2194469
Di-n-octyl phthalate	ND		0.389	1	01/02/2024 23:38	WG2194469
Pyrene	0.186		0.0389	1	01/02/2024 23:38	WG2194469
1,2,4-Trichlorobenzene	ND		0.389	1	01/02/2024 23:38	WG2194469
4-Chloro-3-methylphenol	ND		0.389	1	01/02/2024 23:38	WG2194469
2-Chlorophenol	ND		0.389	1	01/02/2024 23:38	WG2194469
2,4-Dichlorophenol	ND		0.389	1	01/02/2024 23:38	WG2194469
2,4-Dimethylphenol	ND		0.389	1	01/02/2024 23:38	WG2194469
4,6-Dinitro-2-methylphenol	ND		0.389	1	01/02/2024 23:38	WG2194469
2,4-Dinitrophenol	ND		0.389	1	01/02/2024 23:38	WG2194469
2-Nitrophenol	ND		0.389	1	01/02/2024 23:38	WG2194469
4-Nitrophenol	ND		0.389	1	01/02/2024 23:38	WG2194469
Pentachlorophenol	ND		0.389	1	01/02/2024 23:38	WG2194469
Phenol	ND		0.389	1	01/02/2024 23:38	WG2194469
2,4,6-Trichlorophenol	ND		0.389	1	01/02/2024 23:38	WG2194469
(S) 2-Fluorophenol	*46.6*		*12.0-120*		*01/02/2024 23:38*	WG2194469
(S) Phenol-d5	*43.1*		*10.0-120*		*01/02/2024 23:38*	WG2194469
(S) Nitrobenzene-d5	*45.6*		*10.0-122*		*01/02/2024 23:38*	WG2194469
(S) 2-Fluorobiphenyl	*47.2*		*15.0-120*		*01/02/2024 23:38*	WG2194469
(S) 2,4,6-Tribromophenol	*52.5*		*10.0-127*		*01/02/2024 23:38*	WG2194469
(S) p-Terphenyl-d14	*50.0*		*10.0-120*		*01/02/2024 23:38*	WG2194469

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	12/27/2023 00:12	WG2196208
Acrolein	ND	J4	50.0	1	12/27/2023 00:12	WG2196208
Acrylonitrile	ND		10.0	1	12/27/2023 00:12	WG2196208
Benzene	ND		1.00	1	12/27/2023 00:12	WG2196208
Bromobenzene	ND		1.00	1	12/27/2023 00:12	WG2196208
Bromodichloromethane	ND		1.00	1	12/27/2023 00:12	WG2196208
Bromoform	ND		1.00	1	12/27/2023 00:12	WG2196208
Bromomethane	ND	C3	5.00	1	12/27/2023 00:12	WG2196208
n-Butylbenzene	ND		1.00	1	12/27/2023 00:12	WG2196208
sec-Butylbenzene	ND		1.00	1	12/27/2023 00:12	WG2196208
tert-Butylbenzene	ND		1.00	1	12/27/2023 00:12	WG2196208
Carbon tetrachloride	ND		1.00	1	12/27/2023 00:12	WG2196208
Chlorobenzene	ND		1.00	1	12/27/2023 00:12	WG2196208
Chlorodibromomethane	ND		1.00	1	12/27/2023 00:12	WG2196208
Chloroethane	ND	C3 J4	5.00	1	12/27/2023 00:12	WG2196208
Chloroform	ND		5.00	1	12/27/2023 00:12	WG2196208
Chloromethane	ND		2.50	1	12/27/2023 00:12	WG2196208
2-Chlorotoluene	ND		1.00	1	12/27/2023 00:12	WG2196208
4-Chlorotoluene	ND		1.00	1	12/27/2023 00:12	WG2196208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	12/27/2023 00:12	WG2196208
1,2-Dibromoethane	ND		1.00	1	12/27/2023 00:12	WG2196208
Dibromomethane	ND		1.00	1	12/27/2023 00:12	WG2196208
1,2-Dichlorobenzene	ND		1.00	1	12/27/2023 00:12	WG2196208
1,3-Dichlorobenzene	ND		1.00	1	12/27/2023 00:12	WG2196208
1,4-Dichlorobenzene	ND		1.00	1	12/27/2023 00:12	WG2196208
Dichlorodifluoromethane	ND		5.00	1	12/27/2023 00:12	WG2196208
1,1-Dichloroethane	ND		1.00	1	12/27/2023 00:12	WG2196208
1,2-Dichloroethane	ND		1.00	1	12/27/2023 00:12	WG2196208
1,1-Dichloroethene	ND		1.00	1	12/27/2023 00:12	WG2196208
cis-1,2-Dichloroethene	ND		1.00	1	12/27/2023 00:12	WG2196208
trans-1,2-Dichloroethene	ND		1.00	1	12/27/2023 00:12	WG2196208
1,2-Dichloropropane	ND		1.00	1	12/27/2023 00:12	WG2196208
1,1-Dichloropropene	ND		1.00	1	12/27/2023 00:12	WG2196208
1,3-Dichloropropane	ND		1.00	1	12/27/2023 00:12	WG2196208
cis-1,3-Dichloropropene	ND		1.00	1	12/27/2023 00:12	WG2196208
trans-1,3-Dichloropropene	ND		1.00	1	12/27/2023 00:12	WG2196208
2,2-Dichloropropane	ND		1.00	1	12/27/2023 00:12	WG2196208
Di-isopropyl ether	ND		1.00	1	12/27/2023 00:12	WG2196208
Ethylbenzene	ND		1.00	1	12/27/2023 00:12	WG2196208
Hexachloro-1,3-butadiene	ND		1.00	1	12/27/2023 00:12	WG2196208
Isopropylbenzene	ND		1.00	1	12/27/2023 00:12	WG2196208
p-Isopropyltoluene	ND		1.00	1	12/27/2023 00:12	WG2196208
2-Butanone (MEK)	ND		10.0	1	12/27/2023 00:12	WG2196208
Methylene Chloride	ND		5.00	1	12/27/2023 00:12	WG2196208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	12/27/2023 00:12	WG2196208
Methyl tert-butyl ether	ND		1.00	1	12/27/2023 00:12	WG2196208
Naphthalene	ND	C3 J4	5.00	1	12/27/2023 00:12	WG2196208
n-Propylbenzene	ND		1.00	1	12/27/2023 00:12	WG2196208
Styrene	ND		1.00	1	12/27/2023 00:12	WG2196208
1,1,1,2-Tetrachloroethane	ND		1.00	1	12/27/2023 00:12	WG2196208
1,1,2,2-Tetrachloroethane	ND		1.00	1	12/27/2023 00:12	WG2196208
Tetrachloroethene	ND		1.00	1	12/27/2023 00:12	WG2196208
Toluene	ND		1.00	1	12/27/2023 00:12	WG2196208
1,2,3-Trichlorobenzene	ND		1.00	1	12/27/2023 00:12	WG2196208
1,2,4-Trichlorobenzene	ND	C3	1.00	1	12/27/2023 00:12	WG2196208
1,1,1-Trichloroethane	ND		1.00	1	12/27/2023 00:12	WG2196208

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	12/27/2023 00:12	WG2196208
Trichloroethene	ND		1.00	1	12/27/2023 00:12	WG2196208
Trichlorofluoromethane	ND	C3	5.00	1	12/27/2023 00:12	WG2196208
1,2,3-Trichloropropane	ND		2.50	1	12/27/2023 00:12	WG2196208
1,2,4-Trimethylbenzene	ND		1.00	1	12/27/2023 00:12	WG2196208
1,3,5-Trimethylbenzene	ND		1.00	1	12/27/2023 00:12	WG2196208
Vinyl chloride	ND	C3 J4	1.00	1	12/27/2023 00:12	WG2196208
Xylenes, Total	ND		3.00	1	12/27/2023 00:12	WG2196208
(S) Toluene-d8	*105*		*80.0-120*		*12/27/2023 00:12*	WG2196208
(S) 4-Bromofluorobenzene	*91.9*		*77.0-126*		*12/27/2023 00:12*	WG2196208
(S) 1,2-Dichloroethane-d4	*92.6*		*70.0-130*		*12/27/2023 00:12*	WG2196208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.6		1	12/22/2023 08:35	WG2194511

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	12/27/2023 16:39	WG2194724

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0517		0.0490	1	12/27/2023 11:12	WG2194334

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.68	5	12/31/2023 15:17	WG2194558
Arsenic	3.36		1.23	5	12/31/2023 15:17	WG2194558
Barium	182		3.06	5	12/31/2023 15:17	WG2194558
Beryllium	ND		3.06	5	12/31/2023 15:17	WG2194558
Cadmium	ND		1.23	5	12/31/2023 15:17	WG2194558
Chromium	31.4		6.13	5	12/31/2023 15:17	WG2194558
Cobalt	10.5		1.23	5	12/31/2023 15:17	WG2194558
Copper	21.0		6.13	5	12/31/2023 15:17	WG2194558
Lead	41.9		2.45	5	12/31/2023 15:17	WG2194558
Manganese	439		3.06	5	12/31/2023 15:17	WG2194558
Nickel	23.3		3.06	5	12/31/2023 15:17	WG2194558
Selenium	ND		3.06	5	12/31/2023 15:17	WG2194558
Silver	ND		0.613	5	12/31/2023 15:17	WG2194558
Thallium	ND		2.45	5	12/31/2023 15:17	WG2194558
Vanadium	31.4		3.06	5	12/31/2023 15:17	WG2194558
Zinc	84.6		30.6	5	12/31/2023 15:17	WG2194558

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	0.0760	1	12/27/2023 05:32	WG2196204
Acrylonitrile	ND		0.0190	1	12/27/2023 05:32	WG2196204
Benzene	ND		0.00152	1	12/27/2023 05:32	WG2196204
Bromobenzene	ND		0.0190	1	12/27/2023 05:32	WG2196204
Bromodichloromethane	ND		0.00380	1	12/27/2023 05:32	WG2196204
Bromoform	ND		0.0380	1	12/27/2023 05:32	WG2196204
Bromomethane	ND	C3	0.0190	1	12/27/2023 05:32	WG2196204
n-Butylbenzene	ND		0.0190	1	12/27/2023 05:32	WG2196204
sec-Butylbenzene	ND		0.0190	1	12/27/2023 05:32	WG2196204
tert-Butylbenzene	ND		0.00760	1	12/27/2023 05:32	WG2196204
Carbon tetrachloride	ND		0.00760	1	12/27/2023 05:32	WG2196204
Chlorobenzene	ND		0.00380	1	12/27/2023 05:32	WG2196204
Chlorodibromomethane	ND		0.00380	1	12/27/2023 05:32	WG2196204
Chloroethane	ND		0.00760	1	12/27/2023 05:32	WG2196204
Chloroform	ND		0.00380	1	12/27/2023 05:32	WG2196204
Chloromethane	ND		0.0190	1	12/27/2023 05:32	WG2196204
2-Chlorotoluene	ND		0.00380	1	12/27/2023 05:32	WG2196204
4-Chlorotoluene	ND		0.00760	1	12/27/2023 05:32	WG2196204
1,2-Dibromo-3-Chloropropane	ND		0.0380	1	12/27/2023 05:32	WG2196204

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		0.00380	1	12/27/2023 05:32	WG2196204
Dibromomethane	ND		0.00760	1	12/27/2023 05:32	WG2196204
1,2-Dichlorobenzene	ND		0.00760	1	12/27/2023 05:32	WG2196204
1,3-Dichlorobenzene	ND		0.00760	1	12/27/2023 05:32	WG2196204
1,4-Dichlorobenzene	ND		0.00760	1	12/27/2023 05:32	WG2196204
Dichlorodifluoromethane	ND		0.00760	1	12/27/2023 05:32	WG2196204
1,1-Dichloroethane	ND		0.00380	1	12/27/2023 05:32	WG2196204
1,2-Dichloroethane	ND		0.00380	1	12/27/2023 05:32	WG2196204
1,1-Dichloroethene	ND		0.00380	1	12/27/2023 05:32	WG2196204
cis-1,2-Dichloroethene	ND		0.00380	1	12/27/2023 05:32	WG2196204
trans-1,2-Dichloroethene	ND		0.00760	1	12/27/2023 05:32	WG2196204
1,2-Dichloropropane	ND		0.00760	1	12/27/2023 05:32	WG2196204
1,1-Dichloropropene	ND		0.00380	1	12/27/2023 05:32	WG2196204
1,3-Dichloropropane	ND		0.00760	1	12/27/2023 05:32	WG2196204
cis-1,3-Dichloropropene	ND		0.00380	1	12/27/2023 05:32	WG2196204
trans-1,3-Dichloropropene	ND		0.00760	1	12/27/2023 05:32	WG2196204
2,2-Dichloropropane	ND		0.00380	1	12/27/2023 05:32	WG2196204
Di-isopropyl ether	ND		0.00152	1	12/27/2023 05:32	WG2196204
Ethylbenzene	ND		0.00380	1	12/27/2023 05:32	WG2196204
Hexachloro-1,3-butadiene	ND		0.0380	1	12/27/2023 05:32	WG2196204
Isopropylbenzene	ND		0.00380	1	12/27/2023 05:32	WG2196204
p-Isopropyltoluene	ND		0.00760	1	12/27/2023 05:32	WG2196204
2-Butanone (MEK)	ND		0.152	1	12/27/2023 05:32	WG2196204
Methylene Chloride	ND		0.0380	1	12/27/2023 05:32	WG2196204
4-Methyl-2-pentanone (MIBK)	ND		0.0380	1	12/27/2023 05:32	WG2196204
Methyl tert-butyl ether	ND		0.00152	1	12/27/2023 05:32	WG2196204
Naphthalene	ND		0.0190	1	12/27/2023 05:32	WG2196204
n-Propylbenzene	ND		0.00760	1	12/27/2023 05:32	WG2196204
Styrene	ND		0.0190	1	12/27/2023 05:32	WG2196204
1,1,1,2-Tetrachloroethane	ND		0.00380	1	12/27/2023 05:32	WG2196204
1,1,2,2-Tetrachloroethane	ND		0.00380	1	12/27/2023 05:32	WG2196204
Tetrachloroethene	ND		0.00380	1	12/27/2023 05:32	WG2196204
Toluene	ND		0.00760	1	12/27/2023 05:32	WG2196204
1,2,3-Trichlorobenzene	ND		0.0190	1	12/27/2023 05:32	WG2196204
1,2,4-Trichlorobenzene	ND		0.0190	1	12/27/2023 05:32	WG2196204
1,1,1-Trichloroethane	ND		0.00380	1	12/27/2023 05:32	WG2196204
1,1,2-Trichloroethane	ND		0.00380	1	12/27/2023 05:32	WG2196204
Trichloroethene	ND		0.00152	1	12/27/2023 05:32	WG2196204
Trichlorofluoromethane	ND		0.00380	1	12/27/2023 05:32	WG2196204
1,2,3-Trichloropropane	ND		0.0190	1	12/27/2023 05:32	WG2196204
1,2,4-Trimethylbenzene	ND		0.00760	1	12/27/2023 05:32	WG2196204
1,3,5-Trimethylbenzene	ND		0.00760	1	12/27/2023 05:32	WG2196204
Vinyl chloride	ND		0.00380	1	12/27/2023 05:32	WG2196204
Xylenes, Total	ND		0.00988	1	12/27/2023 05:32	WG2196204
(S) Toluene-d8	*102*		*75.0-131*		*12/27/2023 05:32*	WG2196204
(S) 4-Bromofluorobenzene	*105*		*67.0-138*		*12/27/2023 05:32*	WG2196204
(S) 1,2-Dichloroethane-d4	*119*		*70.0-130*		*12/27/2023 05:32*	WG2196204

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	12/29/2023 15:41	WG2194469
Acenaphthylene	ND		0.0408	1	12/29/2023 15:41	WG2194469
Anthracene	ND		0.0408	1	12/29/2023 15:41	WG2194469
Benzidine	ND		2.05	1	12/29/2023 15:41	WG2194469
Benzo(a)anthracene	0.0523		0.0408	1	12/29/2023 15:41	WG2194469

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	0.0664		0.0408	1	12/29/2023 15:41	WG2194469
Benzo(k)fluoranthene	ND		0.0408	1	12/29/2023 15:41	WG2194469
Benzo(g,h,i)perylene	ND		0.0408	1	12/29/2023 15:41	WG2194469
Benzo(a)pyrene	0.0501		0.0408	1	12/29/2023 15:41	WG2194469
Bis(2-chlorethoxy)methane	ND		0.408	1	12/29/2023 15:41	WG2194469
Bis(2-chloroethyl)ether	ND		0.408	1	12/29/2023 15:41	WG2194469
2,2-Oxybis(1-Chloropropane)	ND		0.408	1	12/29/2023 15:41	WG2194469
4-Bromophenyl-phenylether	ND		0.408	1	12/29/2023 15:41	WG2194469
2-Chloronaphthalene	ND		0.0408	1	12/29/2023 15:41	WG2194469
4-Chlorophenyl-phenylether	ND		0.408	1	12/29/2023 15:41	WG2194469
Chrysene	0.0532		0.0408	1	12/29/2023 15:41	WG2194469
Dibenz(a,h)anthracene	ND		0.0408	1	12/29/2023 15:41	WG2194469
3,3-Dichlorobenzidine	ND		0.408	1	12/29/2023 15:41	WG2194469
2,4-Dinitrotoluene	ND		0.408	1	12/29/2023 15:41	WG2194469
2,6-Dinitrotoluene	ND		0.408	1	12/29/2023 15:41	WG2194469
Fluoranthene	0.108		0.0408	1	12/29/2023 15:41	WG2194469
Fluorene	ND		0.0408	1	12/29/2023 15:41	WG2194469
Hexachlorobenzene	ND		0.408	1	12/29/2023 15:41	WG2194469
Hexachloro-1,3-butadiene	ND		0.408	1	12/29/2023 15:41	WG2194469
Hexachlorocyclopentadiene	ND		0.408	1	12/29/2023 15:41	WG2194469
Hexachloroethane	ND		0.408	1	12/29/2023 15:41	WG2194469
Indeno(1,2,3-cd)pyrene	ND		0.0408	1	12/29/2023 15:41	WG2194469
Isophorone	ND		0.408	1	12/29/2023 15:41	WG2194469
Naphthalene	ND		0.0408	1	12/29/2023 15:41	WG2194469
Nitrobenzene	ND		0.408	1	12/29/2023 15:41	WG2194469
n-Nitrosodimethylamine	ND		0.408	1	12/29/2023 15:41	WG2194469
n-Nitrosodiphenylamine	ND		0.408	1	12/29/2023 15:41	WG2194469
n-Nitrosodi-n-propylamine	ND		0.408	1	12/29/2023 15:41	WG2194469
Phenanthrene	0.0520		0.0408	1	12/29/2023 15:41	WG2194469
Benzylbutyl phthalate	ND		0.408	1	12/29/2023 15:41	WG2194469
Bis(2-ethylhexyl)phthalate	ND		0.408	1	12/29/2023 15:41	WG2194469
Di-n-butyl phthalate	ND		0.408	1	12/29/2023 15:41	WG2194469
Diethyl phthalate	ND		0.408	1	12/29/2023 15:41	WG2194469
Dimethyl phthalate	ND		0.408	1	12/29/2023 15:41	WG2194469
Di-n-octyl phthalate	ND		0.408	1	12/29/2023 15:41	WG2194469
Pyrene	0.0937		0.0408	1	12/29/2023 15:41	WG2194469
1,2,4-Trichlorobenzene	ND		0.408	1	12/29/2023 15:41	WG2194469
4-Chloro-3-methylphenol	ND		0.408	1	12/29/2023 15:41	WG2194469
2-Chlorophenol	ND		0.408	1	12/29/2023 15:41	WG2194469
2,4-Dichlorophenol	ND		0.408	1	12/29/2023 15:41	WG2194469
2,4-Dimethylphenol	ND		0.408	1	12/29/2023 15:41	WG2194469
4,6-Dinitro-2-methylphenol	ND		0.408	1	12/29/2023 15:41	WG2194469
2,4-Dinitrophenol	ND		0.408	1	12/29/2023 15:41	WG2194469
2-Nitrophenol	ND		0.408	1	12/29/2023 15:41	WG2194469
4-Nitrophenol	ND		0.408	1	12/29/2023 15:41	WG2194469
Pentachlorophenol	ND		0.408	1	12/29/2023 15:41	WG2194469
Phenol	ND		0.408	1	12/29/2023 15:41	WG2194469
2,4,6-Trichlorophenol	ND		0.408	1	12/29/2023 15:41	WG2194469
(S) 2-Fluorophenol	*46.5*		*12.0-120*		*12/29/2023 15:41*	WG2194469
(S) Phenol-d5	*42.3*		*10.0-120*		*12/29/2023 15:41*	WG2194469
(S) Nitrobenzene-d5	*45.9*		*10.0-122*		*12/29/2023 15:41*	WG2194469
(S) 2-Fluorobiphenyl	*46.8*		*15.0-120*		*12/29/2023 15:41*	WG2194469
(S) 2,4,6-Tribromophenol	*49.1*		*10.0-127*		*12/29/2023 15:41*	WG2194469
(S) p-Terphenyl-d14	*48.0*		*10.0-120*		*12/29/2023 15:41*	WG2194469

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.8		1	12/22/2023 08:35	WG2194511

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	12/27/2023 16:46	WG2194724

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0477	1	12/27/2023 11:14	WG2194334

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.58	5	12/31/2023 15:20	WG2194558
Arsenic	1.78		1.19	5	12/31/2023 15:20	WG2194558
Barium	56.1		2.98	5	12/31/2023 15:20	WG2194558
Beryllium	ND		2.98	5	12/31/2023 15:20	WG2194558
Cadmium	ND		1.19	5	12/31/2023 15:20	WG2194558
Chromium	15.4		5.97	5	12/31/2023 15:20	WG2194558
Cobalt	12.1		1.19	5	12/31/2023 15:20	WG2194558
Copper	23.6		5.97	5	12/31/2023 15:20	WG2194558
Lead	23.6		2.39	5	12/31/2023 15:20	WG2194558
Manganese	351		2.98	5	12/31/2023 15:20	WG2194558
Nickel	47.2		2.98	5	12/31/2023 15:20	WG2194558
Selenium	ND		2.98	5	12/31/2023 15:20	WG2194558
Silver	ND		0.597	5	12/31/2023 15:20	WG2194558
Thallium	ND		2.39	5	12/31/2023 15:20	WG2194558
Vanadium	25.2		2.98	5	12/31/2023 15:20	WG2194558
Zinc	43.8		29.8	5	12/31/2023 15:20	WG2194558

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	0.0736	1	12/27/2023 05:51	WG2196204
Acrylonitrile	ND		0.0184	1	12/27/2023 05:51	WG2196204
Benzene	ND		0.00147	1	12/27/2023 05:51	WG2196204
Bromobenzene	ND		0.0184	1	12/27/2023 05:51	WG2196204
Bromodichloromethane	ND		0.00368	1	12/27/2023 05:51	WG2196204
Bromoform	ND		0.0368	1	12/27/2023 05:51	WG2196204
Bromomethane	ND	C3	0.0184	1	12/27/2023 05:51	WG2196204
n-Butylbenzene	ND		0.0184	1	12/27/2023 05:51	WG2196204
sec-Butylbenzene	ND		0.0184	1	12/27/2023 05:51	WG2196204
tert-Butylbenzene	ND		0.00736	1	12/27/2023 05:51	WG2196204
Carbon tetrachloride	ND		0.00736	1	12/27/2023 05:51	WG2196204
Chlorobenzene	ND		0.00368	1	12/27/2023 05:51	WG2196204
Chlorodibromomethane	ND		0.00368	1	12/27/2023 05:51	WG2196204
Chloroethane	ND		0.00736	1	12/27/2023 05:51	WG2196204
Chloroform	ND		0.00368	1	12/27/2023 05:51	WG2196204
Chloromethane	ND		0.0184	1	12/27/2023 05:51	WG2196204
2-Chlorotoluene	ND		0.00368	1	12/27/2023 05:51	WG2196204
4-Chlorotoluene	ND		0.00736	1	12/27/2023 05:51	WG2196204
1,2-Dibromo-3-Chloropropane	ND		0.0368	1	12/27/2023 05:51	WG2196204

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	12/27/2023 05:51	WG2196204
Dibromomethane	ND		0.00736	1	12/27/2023 05:51	WG2196204
1,2-Dichlorobenzene	ND		0.00736	1	12/27/2023 05:51	WG2196204
1,3-Dichlorobenzene	ND		0.00736	1	12/27/2023 05:51	WG2196204
1,4-Dichlorobenzene	ND		0.00736	1	12/27/2023 05:51	WG2196204
Dichlorodifluoromethane	ND		0.00736	1	12/27/2023 05:51	WG2196204
1,1-Dichloroethane	ND		0.00368	1	12/27/2023 05:51	WG2196204
1,2-Dichloroethane	ND		0.00368	1	12/27/2023 05:51	WG2196204
1,1-Dichloroethene	ND		0.00368	1	12/27/2023 05:51	WG2196204
cis-1,2-Dichloroethene	ND		0.00368	1	12/27/2023 05:51	WG2196204
trans-1,2-Dichloroethene	ND		0.00736	1	12/27/2023 05:51	WG2196204
1,2-Dichloropropane	ND		0.00736	1	12/27/2023 05:51	WG2196204
1,1-Dichloropropene	ND		0.00368	1	12/27/2023 05:51	WG2196204
1,3-Dichloropropane	ND		0.00736	1	12/27/2023 05:51	WG2196204
cis-1,3-Dichloropropene	ND		0.00368	1	12/27/2023 05:51	WG2196204
trans-1,3-Dichloropropene	ND		0.00736	1	12/27/2023 05:51	WG2196204
2,2-Dichloropropane	ND		0.00368	1	12/27/2023 05:51	WG2196204
Di-isopropyl ether	ND		0.00147	1	12/27/2023 05:51	WG2196204
Ethylbenzene	ND		0.00368	1	12/27/2023 05:51	WG2196204
Hexachloro-1,3-butadiene	ND		0.0368	1	12/27/2023 05:51	WG2196204
Isopropylbenzene	ND		0.00368	1	12/27/2023 05:51	WG2196204
p-Isopropyltoluene	ND		0.00736	1	12/27/2023 05:51	WG2196204
2-Butanone (MEK)	ND		0.147	1	12/27/2023 05:51	WG2196204
Methylene Chloride	ND		0.0368	1	12/27/2023 05:51	WG2196204
4-Methyl-2-pentanone (MIBK)	ND		0.0368	1	12/27/2023 05:51	WG2196204
Methyl tert-butyl ether	ND		0.00147	1	12/27/2023 05:51	WG2196204
Naphthalene	ND		0.0184	1	12/27/2023 05:51	WG2196204
n-Propylbenzene	ND		0.00736	1	12/27/2023 05:51	WG2196204
Styrene	ND		0.0184	1	12/27/2023 05:51	WG2196204
1,1,1,2-Tetrachloroethane	ND		0.00368	1	12/27/2023 05:51	WG2196204
1,1,2,2-Tetrachloroethane	ND		0.00368	1	12/27/2023 05:51	WG2196204
Tetrachloroethene	ND		0.00368	1	12/27/2023 05:51	WG2196204
Toluene	ND		0.00736	1	12/27/2023 05:51	WG2196204
1,2,3-Trichlorobenzene	ND		0.0184	1	12/27/2023 05:51	WG2196204
1,2,4-Trichlorobenzene	ND		0.0184	1	12/27/2023 05:51	WG2196204
1,1,1-Trichloroethane	ND		0.00368	1	12/27/2023 05:51	WG2196204
1,1,2-Trichloroethane	ND		0.00368	1	12/27/2023 05:51	WG2196204
Trichloroethene	ND		0.00147	1	12/27/2023 05:51	WG2196204
Trichlorofluoromethane	ND		0.00368	1	12/27/2023 05:51	WG2196204
1,2,3-Trichloropropane	ND		0.0184	1	12/27/2023 05:51	WG2196204
1,2,4-Trimethylbenzene	ND		0.00736	1	12/27/2023 05:51	WG2196204
1,3,5-Trimethylbenzene	ND		0.00736	1	12/27/2023 05:51	WG2196204
Vinyl chloride	ND		0.00368	1	12/27/2023 05:51	WG2196204
Xylenes, Total	ND		0.00956	1	12/27/2023 05:51	WG2196204
(S) Toluene-d8	*102*		*75.0-131*		*12/27/2023 05:51*	WG2196204
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*12/27/2023 05:51*	WG2196204
(S) 1,2-Dichloroethane-d4	*122*		*70.0-130*		*12/27/2023 05:51*	WG2196204

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	12/29/2023 15:17	WG2194469
Acenaphthylene	ND		0.0397	1	12/29/2023 15:17	WG2194469
Anthracene	ND		0.0397	1	12/29/2023 15:17	WG2194469
Benzidine	ND		1.99	1	12/29/2023 15:17	WG2194469
Benzo(a)anthracene	ND		0.0397	1	12/29/2023 15:17	WG2194469

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	12/29/2023 15:17	WG2194469
Benzo(k)fluoranthene	ND		0.0397	1	12/29/2023 15:17	WG2194469
Benzo(g,h,i)perylene	ND		0.0397	1	12/29/2023 15:17	WG2194469
Benzo(a)pyrene	ND		0.0397	1	12/29/2023 15:17	WG2194469
Bis(2-chlorethoxy)methane	ND		0.397	1	12/29/2023 15:17	WG2194469
Bis(2-chloroethyl)ether	ND		0.397	1	12/29/2023 15:17	WG2194469
2,2-Oxybis(1-Chloropropane)	ND		0.397	1	12/29/2023 15:17	WG2194469
4-Bromophenyl-phenylether	ND		0.397	1	12/29/2023 15:17	WG2194469
2-Chloronaphthalene	ND		0.0397	1	12/29/2023 15:17	WG2194469
4-Chlorophenyl-phenylether	ND		0.397	1	12/29/2023 15:17	WG2194469
Chrysene	ND		0.0397	1	12/29/2023 15:17	WG2194469
Dibenz(a,h)anthracene	ND		0.0397	1	12/29/2023 15:17	WG2194469
3,3-Dichlorobenzidine	ND		0.397	1	12/29/2023 15:17	WG2194469
2,4-Dinitrotoluene	ND		0.397	1	12/29/2023 15:17	WG2194469
2,6-Dinitrotoluene	ND		0.397	1	12/29/2023 15:17	WG2194469
Fluoranthene	ND		0.0397	1	12/29/2023 15:17	WG2194469
Fluorene	ND		0.0397	1	12/29/2023 15:17	WG2194469
Hexachlorobenzene	ND		0.397	1	12/29/2023 15:17	WG2194469
Hexachloro-1,3-butadiene	ND		0.397	1	12/29/2023 15:17	WG2194469
Hexachlorocyclopentadiene	ND		0.397	1	12/29/2023 15:17	WG2194469
Hexachloroethane	ND		0.397	1	12/29/2023 15:17	WG2194469
Indeno(1,2,3-cd)pyrene	ND		0.0397	1	12/29/2023 15:17	WG2194469
Isophorone	ND		0.397	1	12/29/2023 15:17	WG2194469
Naphthalene	ND		0.0397	1	12/29/2023 15:17	WG2194469
Nitrobenzene	ND		0.397	1	12/29/2023 15:17	WG2194469
n-Nitrosodimethylamine	ND		0.397	1	12/29/2023 15:17	WG2194469
n-Nitrosodiphenylamine	ND		0.397	1	12/29/2023 15:17	WG2194469
n-Nitrosodi-n-propylamine	ND		0.397	1	12/29/2023 15:17	WG2194469
Phenanthrene	ND		0.0397	1	12/29/2023 15:17	WG2194469
Benzylbutyl phthalate	ND		0.397	1	12/29/2023 15:17	WG2194469
Bis(2-ethylhexyl)phthalate	ND		0.397	1	12/29/2023 15:17	WG2194469
Di-n-butyl phthalate	ND		0.397	1	12/29/2023 15:17	WG2194469
Diethyl phthalate	ND		0.397	1	12/29/2023 15:17	WG2194469
Dimethyl phthalate	ND		0.397	1	12/29/2023 15:17	WG2194469
Di-n-octyl phthalate	ND		0.397	1	12/29/2023 15:17	WG2194469
Pyrene	ND		0.0397	1	12/29/2023 15:17	WG2194469
1,2,4-Trichlorobenzene	ND		0.397	1	12/29/2023 15:17	WG2194469
4-Chloro-3-methylphenol	ND		0.397	1	12/29/2023 15:17	WG2194469
2-Chlorophenol	ND		0.397	1	12/29/2023 15:17	WG2194469
2,4-Dichlorophenol	ND		0.397	1	12/29/2023 15:17	WG2194469
2,4-Dimethylphenol	ND		0.397	1	12/29/2023 15:17	WG2194469
4,6-Dinitro-2-methylphenol	ND		0.397	1	12/29/2023 15:17	WG2194469
2,4-Dinitrophenol	ND		0.397	1	12/29/2023 15:17	WG2194469
2-Nitrophenol	ND		0.397	1	12/29/2023 15:17	WG2194469
4-Nitrophenol	ND		0.397	1	12/29/2023 15:17	WG2194469
Pentachlorophenol	ND		0.397	1	12/29/2023 15:17	WG2194469
Phenol	ND		0.397	1	12/29/2023 15:17	WG2194469
2,4,6-Trichlorophenol	ND		0.397	1	12/29/2023 15:17	WG2194469
(S) 2-Fluorophenol	*44.4*		*12.0-120*		*12/29/2023 15:17*	WG2194469
(S) Phenol-d5	*40.9*		*10.0-120*		*12/29/2023 15:17*	WG2194469
(S) Nitrobenzene-d5	*42.0*		*10.0-122*		*12/29/2023 15:17*	WG2194469
(S) 2-Fluorobiphenyl	*45.1*		*15.0-120*		*12/29/2023 15:17*	WG2194469
(S) 2,4,6-Tribromophenol	*45.8*		*10.0-127*		*12/29/2023 15:17*	WG2194469
(S) p-Terphenyl-d14	*46.9*		*10.0-120*		*12/29/2023 15:17*	WG2194469

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	12/22/2023 08:35	WG2194511

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	12/27/2023 16:52	WG2194724

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0561		0.0549	1	12/27/2023 11:17	WG2194334

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.12	5	12/31/2023 15:30	WG2194558
Arsenic	2.70		1.37	5	12/31/2023 15:30	WG2194558
Barium	105		3.43	5	12/31/2023 15:30	WG2194558
Beryllium	ND		3.43	5	12/31/2023 15:30	WG2194558
Cadmium	ND		1.37	5	12/31/2023 15:30	WG2194558
Chromium	19.8		6.86	5	12/31/2023 15:30	WG2194558
Cobalt	7.26		1.37	5	12/31/2023 15:30	WG2194558
Copper	18.7		6.86	5	12/31/2023 15:30	WG2194558
Lead	73.4		2.74	5	12/31/2023 15:30	WG2194558
Manganese	520		3.43	5	12/31/2023 15:30	WG2194558
Nickel	13.3		3.43	5	12/31/2023 15:30	WG2194558
Selenium	ND		3.43	5	12/31/2023 15:30	WG2194558
Silver	ND		0.686	5	12/31/2023 15:30	WG2194558
Thallium	ND		2.74	5	12/31/2023 15:30	WG2194558
Vanadium	27.2		3.43	5	12/31/2023 15:30	WG2194558
Zinc	68.5		34.3	5	12/31/2023 15:30	WG2194558

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	0.0887	1	12/27/2023 06:10	WG2196204
Acrylonitrile	ND		0.0222	1	12/27/2023 06:10	WG2196204
Benzene	ND		0.00177	1	12/27/2023 06:10	WG2196204
Bromobenzene	ND		0.0222	1	12/27/2023 06:10	WG2196204
Bromodichloromethane	ND		0.00444	1	12/27/2023 06:10	WG2196204
Bromoform	ND		0.0444	1	12/27/2023 06:10	WG2196204
Bromomethane	ND	C3	0.0222	1	12/27/2023 06:10	WG2196204
n-Butylbenzene	ND		0.0222	1	12/27/2023 06:10	WG2196204
sec-Butylbenzene	ND		0.0222	1	12/27/2023 06:10	WG2196204
tert-Butylbenzene	ND		0.00887	1	12/27/2023 06:10	WG2196204
Carbon tetrachloride	ND		0.00887	1	12/27/2023 06:10	WG2196204
Chlorobenzene	ND		0.00444	1	12/27/2023 06:10	WG2196204
Chlorodibromomethane	ND		0.00444	1	12/27/2023 06:10	WG2196204
Chloroethane	ND		0.00887	1	12/27/2023 06:10	WG2196204
Chloroform	ND		0.00444	1	12/27/2023 06:10	WG2196204
Chloromethane	ND		0.0222	1	12/27/2023 06:10	WG2196204
2-Chlorotoluene	ND		0.00444	1	12/27/2023 06:10	WG2196204
4-Chlorotoluene	ND		0.00887	1	12/27/2023 06:10	WG2196204
1,2-Dibromo-3-Chloropropane	ND		0.0444	1	12/27/2023 06:10	WG2196204

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		0.00444	1	12/27/2023 06:10	WG2196204
Dibromomethane	ND		0.00887	1	12/27/2023 06:10	WG2196204
1,2-Dichlorobenzene	ND		0.00887	1	12/27/2023 06:10	WG2196204
1,3-Dichlorobenzene	ND		0.00887	1	12/27/2023 06:10	WG2196204
1,4-Dichlorobenzene	ND		0.00887	1	12/27/2023 06:10	WG2196204
Dichlorodifluoromethane	ND		0.00887	1	12/27/2023 06:10	WG2196204
1,1-Dichloroethane	ND		0.00444	1	12/27/2023 06:10	WG2196204
1,2-Dichloroethane	ND		0.00444	1	12/27/2023 06:10	WG2196204
1,1-Dichloroethene	ND		0.00444	1	12/27/2023 06:10	WG2196204
cis-1,2-Dichloroethene	ND		0.00444	1	12/27/2023 06:10	WG2196204
trans-1,2-Dichloroethene	ND		0.00887	1	12/27/2023 06:10	WG2196204
1,2-Dichloropropane	ND		0.00887	1	12/27/2023 06:10	WG2196204
1,1-Dichloropropene	ND		0.00444	1	12/27/2023 06:10	WG2196204
1,3-Dichloropropane	ND		0.00887	1	12/27/2023 06:10	WG2196204
cis-1,3-Dichloropropene	ND		0.00444	1	12/27/2023 06:10	WG2196204
trans-1,3-Dichloropropene	ND		0.00887	1	12/27/2023 06:10	WG2196204
2,2-Dichloropropane	ND		0.00444	1	12/27/2023 06:10	WG2196204
Di-isopropyl ether	ND		0.00177	1	12/27/2023 06:10	WG2196204
Ethylbenzene	ND		0.00444	1	12/27/2023 06:10	WG2196204
Hexachloro-1,3-butadiene	ND		0.0444	1	12/27/2023 06:10	WG2196204
Isopropylbenzene	ND		0.00444	1	12/27/2023 06:10	WG2196204
p-Isopropyltoluene	0.154		0.00887	1	12/27/2023 06:10	WG2196204
2-Butanone (MEK)	ND		0.177	1	12/27/2023 06:10	WG2196204
Methylene Chloride	ND		0.0444	1	12/27/2023 06:10	WG2196204
4-Methyl-2-pentanone (MIBK)	ND		0.0444	1	12/27/2023 06:10	WG2196204
Methyl tert-butyl ether	ND		0.00177	1	12/27/2023 06:10	WG2196204
Naphthalene	ND		0.0222	1	12/27/2023 06:10	WG2196204
n-Propylbenzene	ND		0.00887	1	12/27/2023 06:10	WG2196204
Styrene	ND		0.0222	1	12/27/2023 06:10	WG2196204
1,1,1,2-Tetrachloroethane	ND		0.00444	1	12/27/2023 06:10	WG2196204
1,1,2,2-Tetrachloroethane	ND		0.00444	1	12/27/2023 06:10	WG2196204
Tetrachloroethene	ND		0.00444	1	12/27/2023 06:10	WG2196204
Toluene	ND		0.00887	1	12/27/2023 06:10	WG2196204
1,2,3-Trichlorobenzene	ND		0.0222	1	12/27/2023 06:10	WG2196204
1,2,4-Trichlorobenzene	ND		0.0222	1	12/27/2023 06:10	WG2196204
1,1,1-Trichloroethane	ND		0.00444	1	12/27/2023 06:10	WG2196204
1,1,2-Trichloroethane	ND		0.00444	1	12/27/2023 06:10	WG2196204
Trichloroethene	ND		0.00177	1	12/27/2023 06:10	WG2196204
Trichlorofluoromethane	ND		0.00444	1	12/27/2023 06:10	WG2196204
1,2,3-Trichloropropane	ND		0.0222	1	12/27/2023 06:10	WG2196204
1,2,4-Trimethylbenzene	ND		0.00887	1	12/27/2023 06:10	WG2196204
1,3,5-Trimethylbenzene	ND		0.00887	1	12/27/2023 06:10	WG2196204
Vinyl chloride	ND		0.00444	1	12/27/2023 06:10	WG2196204
Xylenes, Total	ND		0.0115	1	12/27/2023 06:10	WG2196204
(S) Toluene-d8	*98.2*		*75.0-131*		*12/27/2023 06:10*	WG2196204
(S) 4-Bromofluorobenzene	*105*		*67.0-138*		*12/27/2023 06:10*	WG2196204
(S) 1,2-Dichloroethane-d4	*119*		*70.0-130*		*12/27/2023 06:10*	WG2196204

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	12/29/2023 18:30	WG2194469
Acenaphthylene	ND		0.0457	1	12/29/2023 18:30	WG2194469
Anthracene	ND		0.0457	1	12/29/2023 18:30	WG2194469
Benzidine	ND		2.29	1	12/29/2023 18:30	WG2194469
Benzo(a)anthracene	ND		0.0457	1	12/29/2023 18:30	WG2194469

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	0.0575		0.0457	1	12/29/2023 18:30	WG2194469
Benzo(k)fluoranthene	ND		0.0457	1	12/29/2023 18:30	WG2194469
Benzo(g,h,i)perylene	ND		0.0457	1	12/29/2023 18:30	WG2194469
Benzo(a)pyrene	ND		0.0457	1	12/29/2023 18:30	WG2194469
Bis(2-chlorethoxy)methane	ND		0.457	1	12/29/2023 18:30	WG2194469
Bis(2-chloroethyl)ether	ND		0.457	1	12/29/2023 18:30	WG2194469
2,2-Oxybis(1-Chloropropane)	ND		0.457	1	12/29/2023 18:30	WG2194469
4-Bromophenyl-phenylether	ND		0.457	1	12/29/2023 18:30	WG2194469
2-Chloronaphthalene	ND		0.0457	1	12/29/2023 18:30	WG2194469
4-Chlorophenyl-phenylether	ND		0.457	1	12/29/2023 18:30	WG2194469
Chrysene	0.0513		0.0457	1	12/29/2023 18:30	WG2194469
Dibenz(a,h)anthracene	ND		0.0457	1	12/29/2023 18:30	WG2194469
3,3-Dichlorobenzidine	ND		0.457	1	12/29/2023 18:30	WG2194469
2,4-Dinitrotoluene	ND		0.457	1	12/29/2023 18:30	WG2194469
2,6-Dinitrotoluene	ND		0.457	1	12/29/2023 18:30	WG2194469
Fluoranthene	0.102		0.0457	1	12/29/2023 18:30	WG2194469
Fluorene	ND		0.0457	1	12/29/2023 18:30	WG2194469
Hexachlorobenzene	ND		0.457	1	12/29/2023 18:30	WG2194469
Hexachloro-1,3-butadiene	ND		0.457	1	12/29/2023 18:30	WG2194469
Hexachlorocyclopentadiene	ND		0.457	1	12/29/2023 18:30	WG2194469
Hexachloroethane	ND		0.457	1	12/29/2023 18:30	WG2194469
Indeno(1,2,3-cd)pyrene	ND		0.0457	1	12/29/2023 18:30	WG2194469
Isophorone	ND		0.457	1	12/29/2023 18:30	WG2194469
Naphthalene	ND		0.0457	1	12/29/2023 18:30	WG2194469
Nitrobenzene	ND		0.457	1	12/29/2023 18:30	WG2194469
n-Nitrosodimethylamine	ND		0.457	1	12/29/2023 18:30	WG2194469
n-Nitrosodiphenylamine	ND		0.457	1	12/29/2023 18:30	WG2194469
n-Nitrosodi-n-propylamine	ND		0.457	1	12/29/2023 18:30	WG2194469
Phenanthrene	0.0545		0.0457	1	12/29/2023 18:30	WG2194469
Benzylbutyl phthalate	ND		0.457	1	12/29/2023 18:30	WG2194469
Bis(2-ethylhexyl)phthalate	ND		0.457	1	12/29/2023 18:30	WG2194469
Di-n-butyl phthalate	ND		0.457	1	12/29/2023 18:30	WG2194469
Diethyl phthalate	ND		0.457	1	12/29/2023 18:30	WG2194469
Dimethyl phthalate	ND		0.457	1	12/29/2023 18:30	WG2194469
Di-n-octyl phthalate	ND		0.457	1	12/29/2023 18:30	WG2194469
Pyrene	0.0918		0.0457	1	12/29/2023 18:30	WG2194469
1,2,4-Trichlorobenzene	ND		0.457	1	12/29/2023 18:30	WG2194469
4-Chloro-3-methylphenol	ND		0.457	1	12/29/2023 18:30	WG2194469
2-Chlorophenol	ND		0.457	1	12/29/2023 18:30	WG2194469
2,4-Dichlorophenol	ND		0.457	1	12/29/2023 18:30	WG2194469
2,4-Dimethylphenol	ND		0.457	1	12/29/2023 18:30	WG2194469
4,6-Dinitro-2-methylphenol	ND		0.457	1	12/29/2023 18:30	WG2194469
2,4-Dinitrophenol	ND		0.457	1	12/29/2023 18:30	WG2194469
2-Nitrophenol	ND		0.457	1	12/29/2023 18:30	WG2194469
4-Nitrophenol	ND		0.457	1	12/29/2023 18:30	WG2194469
Pentachlorophenol	ND		0.457	1	12/29/2023 18:30	WG2194469
Phenol	ND		0.457	1	12/29/2023 18:30	WG2194469
2,4,6-Trichlorophenol	ND		0.457	1	12/29/2023 18:30	WG2194469
(S) 2-Fluorophenol	*46.9*		*12.0-120*		*12/29/2023 18:30*	WG2194469
(S) Phenol-d5	*43.0*		*10.0-120*		*12/29/2023 18:30*	WG2194469
(S) Nitrobenzene-d5	*47.7*		*10.0-122*		*12/29/2023 18:30*	WG2194469
(S) 2-Fluorobiphenyl	*47.4*		*15.0-120*		*12/29/2023 18:30*	WG2194469
(S) 2,4,6-Tribromophenol	*48.3*		*10.0-127*		*12/29/2023 18:30*	WG2194469
(S) p-Terphenyl-d14	*48.3*		*10.0-120*		*12/29/2023 18:30*	WG2194469

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	70.1		1	12/22/2023 08:35	WG2194511

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.43	1	12/27/2023 17:04	WG2194724

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0571	1	12/27/2023 11:19	WG2194334

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.28	5	12/31/2023 15:33	WG2194558
Arsenic	3.94		1.43	5	12/31/2023 15:33	WG2194558
Barium	128		3.57	5	12/31/2023 15:33	WG2194558
Beryllium	ND		3.57	5	12/31/2023 15:33	WG2194558
Cadmium	ND		1.43	5	12/31/2023 15:33	WG2194558
Chromium	26.0		7.13	5	12/31/2023 15:33	WG2194558
Cobalt	10.4		1.43	5	12/31/2023 15:33	WG2194558
Copper	16.8		7.13	5	12/31/2023 15:33	WG2194558
Lead	26.8		2.85	5	12/31/2023 15:33	WG2194558
Manganese	391		3.57	5	12/31/2023 15:33	WG2194558
Nickel	20.9		3.57	5	12/31/2023 15:33	WG2194558
Selenium	ND		3.57	5	12/31/2023 15:33	WG2194558
Silver	ND		0.713	5	12/31/2023 15:33	WG2194558
Thallium	ND		2.85	5	12/31/2023 15:33	WG2194558
Vanadium	30.9		3.57	5	12/31/2023 15:33	WG2194558
Zinc	50.9		35.7	5	12/31/2023 15:33	WG2194558

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	0.0974	1	12/27/2023 06:29	WG2196204
Acrylonitrile	ND		0.0243	1	12/27/2023 06:29	WG2196204
Benzene	ND		0.00195	1	12/27/2023 06:29	WG2196204
Bromobenzene	ND		0.0243	1	12/27/2023 06:29	WG2196204
Bromodichloromethane	ND		0.00487	1	12/27/2023 06:29	WG2196204
Bromoform	ND		0.0487	1	12/27/2023 06:29	WG2196204
Bromomethane	ND	C3	0.0243	1	12/27/2023 06:29	WG2196204
n-Butylbenzene	ND		0.0243	1	12/27/2023 06:29	WG2196204
sec-Butylbenzene	ND		0.0243	1	12/27/2023 06:29	WG2196204
tert-Butylbenzene	ND		0.00974	1	12/27/2023 06:29	WG2196204
Carbon tetrachloride	ND		0.00974	1	12/27/2023 06:29	WG2196204
Chlorobenzene	ND		0.00487	1	12/27/2023 06:29	WG2196204
Chlorodibromomethane	ND		0.00487	1	12/27/2023 06:29	WG2196204
Chloroethane	ND		0.00974	1	12/27/2023 06:29	WG2196204
Chloroform	ND		0.00487	1	12/27/2023 06:29	WG2196204
Chloromethane	ND		0.0243	1	12/27/2023 06:29	WG2196204
2-Chlorotoluene	ND		0.00487	1	12/27/2023 06:29	WG2196204
4-Chlorotoluene	ND		0.00974	1	12/27/2023 06:29	WG2196204
1,2-Dibromo-3-Chloropropane	ND		0.0487	1	12/27/2023 06:29	WG2196204

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		0.00487	1	12/27/2023 06:29	WG2196204
Dibromomethane	ND		0.00974	1	12/27/2023 06:29	WG2196204
1,2-Dichlorobenzene	ND		0.00974	1	12/27/2023 06:29	WG2196204
1,3-Dichlorobenzene	ND		0.00974	1	12/27/2023 06:29	WG2196204
1,4-Dichlorobenzene	ND		0.00974	1	12/27/2023 06:29	WG2196204
Dichlorodifluoromethane	ND		0.00974	1	12/27/2023 06:29	WG2196204
1,1-Dichloroethane	ND		0.00487	1	12/27/2023 06:29	WG2196204
1,2-Dichloroethane	ND		0.00487	1	12/27/2023 06:29	WG2196204
1,1-Dichloroethene	ND		0.00487	1	12/27/2023 06:29	WG2196204
cis-1,2-Dichloroethene	ND		0.00487	1	12/27/2023 06:29	WG2196204
trans-1,2-Dichloroethene	ND		0.00974	1	12/27/2023 06:29	WG2196204
1,2-Dichloropropane	ND		0.00974	1	12/27/2023 06:29	WG2196204
1,1-Dichloropropene	ND		0.00487	1	12/27/2023 06:29	WG2196204
1,3-Dichloropropane	ND		0.00974	1	12/27/2023 06:29	WG2196204
cis-1,3-Dichloropropene	ND		0.00487	1	12/27/2023 06:29	WG2196204
trans-1,3-Dichloropropene	ND		0.00974	1	12/27/2023 06:29	WG2196204
2,2-Dichloropropane	ND		0.00487	1	12/27/2023 06:29	WG2196204
Di-isopropyl ether	ND		0.00195	1	12/27/2023 06:29	WG2196204
Ethylbenzene	ND		0.00487	1	12/27/2023 06:29	WG2196204
Hexachloro-1,3-butadiene	ND		0.0487	1	12/27/2023 06:29	WG2196204
Isopropylbenzene	ND		0.00487	1	12/27/2023 06:29	WG2196204
p-Isopropyltoluene	ND		0.00974	1	12/27/2023 06:29	WG2196204
2-Butanone (MEK)	ND		0.195	1	12/27/2023 06:29	WG2196204
Methylene Chloride	ND		0.0487	1	12/27/2023 06:29	WG2196204
4-Methyl-2-pentanone (MIBK)	ND		0.0487	1	12/27/2023 06:29	WG2196204
Methyl tert-butyl ether	ND		0.00195	1	12/27/2023 06:29	WG2196204
Naphthalene	ND		0.0243	1	12/27/2023 06:29	WG2196204
n-Propylbenzene	ND		0.00974	1	12/27/2023 06:29	WG2196204
Styrene	ND		0.0243	1	12/27/2023 06:29	WG2196204
1,1,1,2-Tetrachloroethane	ND		0.00487	1	12/27/2023 06:29	WG2196204
1,1,2,2-Tetrachloroethane	ND		0.00487	1	12/27/2023 06:29	WG2196204
Tetrachloroethene	ND		0.00487	1	12/27/2023 06:29	WG2196204
Toluene	ND		0.00974	1	12/27/2023 06:29	WG2196204
1,2,3-Trichlorobenzene	ND		0.0243	1	12/27/2023 06:29	WG2196204
1,2,4-Trichlorobenzene	ND		0.0243	1	12/27/2023 06:29	WG2196204
1,1,1-Trichloroethane	ND		0.00487	1	12/27/2023 06:29	WG2196204
1,1,2-Trichloroethane	ND		0.00487	1	12/27/2023 06:29	WG2196204
Trichloroethene	ND		0.00195	1	12/27/2023 06:29	WG2196204
Trichlorofluoromethane	ND		0.00487	1	12/27/2023 06:29	WG2196204
1,2,3-Trichloropropane	ND		0.0243	1	12/27/2023 06:29	WG2196204
1,2,4-Trimethylbenzene	ND		0.00974	1	12/27/2023 06:29	WG2196204
1,3,5-Trimethylbenzene	ND		0.00974	1	12/27/2023 06:29	WG2196204
Vinyl chloride	ND		0.00487	1	12/27/2023 06:29	WG2196204
Xylenes, Total	ND		0.0127	1	12/27/2023 06:29	WG2196204
(S) Toluene-d8	*101*		*75.0-131*		*12/27/2023 06:29*	WG2196204
(S) 4-Bromofluorobenzene	*104*		*67.0-138*		*12/27/2023 06:29*	WG2196204
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*12/27/2023 06:29*	WG2196204

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0475	1	12/29/2023 18:36	WG2194490
Acenaphthylene	ND		0.0475	1	12/29/2023 18:36	WG2194490
Anthracene	ND		0.0475	1	12/29/2023 18:36	WG2194490
Benzidine	ND		2.38	1	12/29/2023 18:36	WG2194490
Benzo(a)anthracene	ND		0.0475	1	12/29/2023 18:36	WG2194490

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		0.0475	1	12/29/2023 18:36	WG2194490
Benzo(k)fluoranthene	ND		0.0475	1	12/29/2023 18:36	WG2194490
Benzo(g,h,i)perylene	ND		0.0475	1	12/29/2023 18:36	WG2194490
Benzo(a)pyrene	ND		0.0475	1	12/29/2023 18:36	WG2194490
Bis(2-chlorethoxy)methane	ND		0.475	1	12/29/2023 18:36	WG2194490
Bis(2-chloroethyl)ether	ND		0.475	1	12/29/2023 18:36	WG2194490
2,2-Oxybis(1-Chloropropane)	ND		0.475	1	12/29/2023 18:36	WG2194490
4-Bromophenyl-phenylether	ND		0.475	1	12/29/2023 18:36	WG2194490
2-Chloronaphthalene	ND		0.0475	1	12/29/2023 18:36	WG2194490
4-Chlorophenyl-phenylether	ND		0.475	1	12/29/2023 18:36	WG2194490
Chrysene	ND		0.0475	1	12/29/2023 18:36	WG2194490
Dibenz(a,h)anthracene	ND		0.0475	1	12/29/2023 18:36	WG2194490
3,3-Dichlorobenzidine	ND		0.475	1	12/29/2023 18:36	WG2194490
2,4-Dinitrotoluene	ND		0.475	1	12/29/2023 18:36	WG2194490
2,6-Dinitrotoluene	ND		0.475	1	12/29/2023 18:36	WG2194490
Fluoranthene	ND		0.0475	1	12/29/2023 18:36	WG2194490
Fluorene	ND		0.0475	1	12/29/2023 18:36	WG2194490
Hexachlorobenzene	ND		0.475	1	12/29/2023 18:36	WG2194490
Hexachloro-1,3-butadiene	ND		0.475	1	12/29/2023 18:36	WG2194490
Hexachlorocyclopentadiene	ND		0.475	1	12/29/2023 18:36	WG2194490
Hexachloroethane	ND		0.475	1	12/29/2023 18:36	WG2194490
Indeno(1,2,3-cd)pyrene	ND		0.0475	1	12/29/2023 18:36	WG2194490
Isophorone	ND		0.475	1	12/29/2023 18:36	WG2194490
Naphthalene	ND		0.0475	1	12/29/2023 18:36	WG2194490
Nitrobenzene	ND		0.475	1	12/29/2023 18:36	WG2194490
n-Nitrosodimethylamine	ND		0.475	1	12/29/2023 18:36	WG2194490
n-Nitrosodiphenylamine	ND		0.475	1	12/29/2023 18:36	WG2194490
n-Nitrosodi-n-propylamine	ND		0.475	1	12/29/2023 18:36	WG2194490
Phenanthrene	ND		0.0475	1	12/29/2023 18:36	WG2194490
Benzylbutyl phthalate	ND		0.475	1	12/29/2023 18:36	WG2194490
Bis(2-ethylhexyl)phthalate	ND		0.475	1	12/29/2023 18:36	WG2194490
Di-n-butyl phthalate	ND		0.475	1	12/29/2023 18:36	WG2194490
Diethyl phthalate	ND		0.475	1	12/29/2023 18:36	WG2194490
Dimethyl phthalate	ND		0.475	1	12/29/2023 18:36	WG2194490
Di-n-octyl phthalate	ND		0.475	1	12/29/2023 18:36	WG2194490
Pyrene	ND		0.0475	1	12/29/2023 18:36	WG2194490
1,2,4-Trichlorobenzene	ND		0.475	1	12/29/2023 18:36	WG2194490
4-Chloro-3-methylphenol	ND		0.475	1	12/29/2023 18:36	WG2194490
2-Chlorophenol	ND		0.475	1	12/29/2023 18:36	WG2194490
2,4-Dichlorophenol	ND		0.475	1	12/29/2023 18:36	WG2194490
2,4-Dimethylphenol	ND		0.475	1	12/29/2023 18:36	WG2194490
4,6-Dinitro-2-methylphenol	ND		0.475	1	12/29/2023 18:36	WG2194490
2,4-Dinitrophenol	ND		0.475	1	12/29/2023 18:36	WG2194490
2-Nitrophenol	ND		0.475	1	12/29/2023 18:36	WG2194490
4-Nitrophenol	ND		0.475	1	12/29/2023 18:36	WG2194490
Pentachlorophenol	ND		0.475	1	12/29/2023 18:36	WG2194490
Phenol	ND		0.475	1	12/29/2023 18:36	WG2194490
2,4,6-Trichlorophenol	ND		0.475	1	12/29/2023 18:36	WG2194490
(S) 2-Fluorophenol	*47.5*		*12.0-120*		*12/29/2023 18:36*	WG2194490
(S) Phenol-d5	*44.3*		*10.0-120*		*12/29/2023 18:36*	WG2194490
(S) Nitrobenzene-d5	*43.7*		*10.0-122*		*12/29/2023 18:36*	WG2194490
(S) 2-Fluorobiphenyl	*44.0*		*15.0-120*		*12/29/2023 18:36*	WG2194490
(S) 2,4,6-Tribromophenol	*66.9*		*10.0-127*		*12/29/2023 18:36*	WG2194490
(S) p-Terphenyl-d14	*45.6*		*10.0-120*		*12/29/2023 18:36*	WG2194490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.7		1	12/22/2023 08:35	WG2194511

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	12/27/2023 17:10	WG2194724

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0478	1	12/28/2023 00:30	WG2194332

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	J3 J6 O1	3.58	5	12/31/2023 14:17	WG2194558
Arsenic	1.61		1.19	5	12/31/2023 14:17	WG2194558
Barium	67.0		2.99	5	12/31/2023 14:17	WG2194558
Beryllium	ND		2.99	5	12/31/2023 14:17	WG2194558
Cadmium	ND		1.19	5	12/31/2023 14:17	WG2194558
Chromium	20.2		5.97	5	12/31/2023 14:17	WG2194558
Cobalt	7.93		1.19	5	12/31/2023 14:17	WG2194558
Copper	15.8		5.97	5	12/31/2023 14:17	WG2194558
Lead	39.1		2.39	5	12/31/2023 14:17	WG2194558
Manganese	213	J3 J5	2.99	5	12/31/2023 14:17	WG2194558
Nickel	21.7		2.99	5	12/31/2023 14:17	WG2194558
Selenium	ND		2.99	5	12/31/2023 14:17	WG2194558
Silver	ND		0.597	5	12/31/2023 14:17	WG2194558
Thallium	ND		2.39	5	12/31/2023 14:17	WG2194558
Vanadium	32.7		2.99	5	12/31/2023 14:17	WG2194558
Zinc	38.2		29.9	5	12/31/2023 14:17	WG2194558

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	0.390	5.88	12/27/2023 07:45	WG2196204
Acrylonitrile	ND		0.0975	5.88	12/27/2023 07:45	WG2196204
Benzene	ND		0.00780	5.88	12/27/2023 07:45	WG2196204
Bromobenzene	ND		0.0975	5.88	12/27/2023 07:45	WG2196204
Bromodichloromethane	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
Bromoform	ND		0.195	5.88	12/27/2023 07:45	WG2196204
Bromomethane	ND	C3	0.0975	5.88	12/27/2023 07:45	WG2196204
n-Butylbenzene	ND		0.0975	5.88	12/27/2023 07:45	WG2196204
sec-Butylbenzene	ND		0.0975	5.88	12/27/2023 07:45	WG2196204
tert-Butylbenzene	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
Carbon tetrachloride	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
Chlorobenzene	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
Chlorodibromomethane	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
Chloroethane	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
Chloroform	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
Chloromethane	ND		0.0975	5.88	12/27/2023 07:45	WG2196204
2-Chlorotoluene	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
4-Chlorotoluene	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
1,2-Dibromo-3-Chloropropane	ND		0.195	5.88	12/27/2023 07:45	WG2196204

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		0.0195	5.88	12/27/2023 07:45	WG2196204
Dibromomethane	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
1,2-Dichlorobenzene	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
1,3-Dichlorobenzene	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
1,4-Dichlorobenzene	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
Dichlorodifluoromethane	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
1,1-Dichloroethane	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
1,2-Dichloroethane	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
1,1-Dichloroethene	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
cis-1,2-Dichloroethene	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
trans-1,2-Dichloroethene	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
1,2-Dichloropropane	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
1,1-Dichloropropene	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
1,3-Dichloropropane	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
cis-1,3-Dichloropropene	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
trans-1,3-Dichloropropene	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
2,2-Dichloropropane	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
Di-isopropyl ether	ND		0.00780	5.88	12/27/2023 07:45	WG2196204
Ethylbenzene	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
Hexachloro-1,3-butadiene	ND		0.195	5.88	12/27/2023 07:45	WG2196204
Isopropylbenzene	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
p-Isopropyltoluene	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
2-Butanone (MEK)	ND		0.780	5.88	12/27/2023 07:45	WG2196204
Methylene Chloride	ND		0.195	5.88	12/27/2023 07:45	WG2196204
4-Methyl-2-pentanone (MIBK)	ND		0.195	5.88	12/27/2023 07:45	WG2196204
Methyl tert-butyl ether	ND		0.00780	5.88	12/27/2023 07:45	WG2196204
Naphthalene	ND		0.0975	5.88	12/27/2023 07:45	WG2196204
n-Propylbenzene	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
Styrene	ND		0.0975	5.88	12/27/2023 07:45	WG2196204
1,1,1,2-Tetrachloroethane	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
1,1,2,2-Tetrachloroethane	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
Tetrachloroethene	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
Toluene	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
1,2,3-Trichlorobenzene	ND		0.0975	5.88	12/27/2023 07:45	WG2196204
1,2,4-Trichlorobenzene	ND		0.0975	5.88	12/27/2023 07:45	WG2196204
1,1,1-Trichloroethane	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
1,1,2-Trichloroethane	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
Trichloroethene	ND		0.00780	5.88	12/27/2023 07:45	WG2196204
Trichlorofluoromethane	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
1,2,3-Trichloropropane	ND		0.0975	5.88	12/27/2023 07:45	WG2196204
1,2,4-Trimethylbenzene	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
1,3,5-Trimethylbenzene	ND		0.0390	5.88	12/27/2023 07:45	WG2196204
Vinyl chloride	ND		0.0195	5.88	12/27/2023 07:45	WG2196204
Xylenes, Total	ND		0.0507	5.88	12/27/2023 07:45	WG2196204
(S) Toluene-d8	*100*		*75.0-131*		*12/27/2023 07:45*	WG2196204
(S) 4-Bromofluorobenzene	*104*		*67.0-138*		*12/27/2023 07:45*	WG2196204
(S) 1,2-Dichloroethane-d4	*121*		*70.0-130*		*12/27/2023 07:45*	WG2196204

Sample Narrative:

L1690278-16 WG2196204: Dilution due to limited sample volume.

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	12/29/2023 18:58	WG2194490
Acenaphthylene	ND		0.0398	1	12/29/2023 18:58	WG2194490
Anthracene	ND		0.0398	1	12/29/2023 18:58	WG2194490
Benzidine	ND		1.99	1	12/29/2023 18:58	WG2194490
Benzo(a)anthracene	0.0603		0.0398	1	12/29/2023 18:58	WG2194490
Benzo(b)fluoranthene	0.0603		0.0398	1	12/29/2023 18:58	WG2194490
Benzo(k)fluoranthene	ND		0.0398	1	12/29/2023 18:58	WG2194490
Benzo(g,h,i)perylene	0.0406		0.0398	1	12/29/2023 18:58	WG2194490
Benzo(a)pyrene	0.0573		0.0398	1	12/29/2023 18:58	WG2194490
Bis(2-chlorethoxy)methane	ND		0.398	1	12/29/2023 18:58	WG2194490
Bis(2-chloroethyl)ether	ND		0.398	1	12/29/2023 18:58	WG2194490
2,2-Oxybis(1-Chloropropane)	ND		0.398	1	12/29/2023 18:58	WG2194490
4-Bromophenyl-phenylether	ND		0.398	1	12/29/2023 18:58	WG2194490
2-Chloronaphthalene	ND		0.0398	1	12/29/2023 18:58	WG2194490
4-Chlorophenyl-phenylether	ND		0.398	1	12/29/2023 18:58	WG2194490
Chrysene	0.0684		0.0398	1	12/29/2023 18:58	WG2194490
Dibenz(a,h)anthracene	ND		0.0398	1	12/29/2023 18:58	WG2194490
3,3-Dichlorobenzidine	ND		0.398	1	12/29/2023 18:58	WG2194490
2,4-Dinitrotoluene	ND		0.398	1	12/29/2023 18:58	WG2194490
2,6-Dinitrotoluene	ND		0.398	1	12/29/2023 18:58	WG2194490
Fluoranthene	0.0964		0.0398	1	12/29/2023 18:58	WG2194490
Fluorene	ND		0.0398	1	12/29/2023 18:58	WG2194490
Hexachlorobenzene	ND		0.398	1	12/29/2023 18:58	WG2194490
Hexachloro-1,3-butadiene	ND		0.398	1	12/29/2023 18:58	WG2194490
Hexachlorocyclopentadiene	ND		0.398	1	12/29/2023 18:58	WG2194490
Hexachloroethane	ND		0.398	1	12/29/2023 18:58	WG2194490
Indeno(1,2,3-cd)pyrene	ND		0.0398	1	12/29/2023 18:58	WG2194490
Isophorone	ND		0.398	1	12/29/2023 18:58	WG2194490
Naphthalene	ND		0.0398	1	12/29/2023 18:58	WG2194490
Nitrobenzene	ND		0.398	1	12/29/2023 18:58	WG2194490
n-Nitrosodimethylamine	ND		0.398	1	12/29/2023 18:58	WG2194490
n-Nitrosodiphenylamine	ND		0.398	1	12/29/2023 18:58	WG2194490
n-Nitrosodi-n-propylamine	ND		0.398	1	12/29/2023 18:58	WG2194490
Phenanthrene	0.155		0.0398	1	12/29/2023 18:58	WG2194490
Benzylbutyl phthalate	ND		0.398	1	12/29/2023 18:58	WG2194490
Bis(2-ethylhexyl)phthalate	ND		0.398	1	12/29/2023 18:58	WG2194490
Di-n-butyl phthalate	ND		0.398	1	12/29/2023 18:58	WG2194490
Diethyl phthalate	ND		0.398	1	12/29/2023 18:58	WG2194490
Dimethyl phthalate	ND		0.398	1	12/29/2023 18:58	WG2194490
Di-n-octyl phthalate	ND		0.398	1	12/29/2023 18:58	WG2194490
Pyrene	0.131		0.0398	1	12/29/2023 18:58	WG2194490
1,2,4-Trichlorobenzene	ND		0.398	1	12/29/2023 18:58	WG2194490
4-Chloro-3-methylphenol	ND		0.398	1	12/29/2023 18:58	WG2194490
2-Chlorophenol	ND		0.398	1	12/29/2023 18:58	WG2194490
2,4-Dichlorophenol	ND		0.398	1	12/29/2023 18:58	WG2194490
2,4-Dimethylphenol	ND		0.398	1	12/29/2023 18:58	WG2194490
4,6-Dinitro-2-methylphenol	ND		0.398	1	12/29/2023 18:58	WG2194490
2,4-Dinitrophenol	ND		0.398	1	12/29/2023 18:58	WG2194490
2-Nitrophenol	ND		0.398	1	12/29/2023 18:58	WG2194490
4-Nitrophenol	ND		0.398	1	12/29/2023 18:58	WG2194490
Pentachlorophenol	ND		0.398	1	12/29/2023 18:58	WG2194490
Phenol	ND		0.398	1	12/29/2023 18:58	WG2194490
2,4,6-Trichlorophenol	ND		0.398	1	12/29/2023 18:58	WG2194490
(S) 2-Fluorophenol	*49.1*		*12.0-120*		*12/29/2023 18:58*	WG2194490
(S) Phenol-d5	*46.2*		*10.0-120*		*12/29/2023 18:58*	WG2194490
(S) Nitrobenzene-d5	*48.2*		*10.0-122*		*12/29/2023 18:58*	WG2194490

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	*48.5*		*15.0-120*		*12/29/2023 18:58*	WG2194490
(S) 2,4,6-Tribromophenol	*73.5*		*10.0-127*		*12/29/2023 18:58*	WG2194490
(S) p-Terphenyl-d14	*49.1*		*10.0-120*		*12/29/2023 18:58*	WG2194490

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	12/27/2023 00:35	WG2196208
Acrolein	ND	J4	50.0	1	12/27/2023 00:35	WG2196208
Acrylonitrile	ND		10.0	1	12/27/2023 00:35	WG2196208
Benzene	ND		1.00	1	12/27/2023 00:35	WG2196208
Bromobenzene	ND		1.00	1	12/27/2023 00:35	WG2196208
Bromodichloromethane	ND		1.00	1	12/27/2023 00:35	WG2196208
Bromoform	ND		1.00	1	12/27/2023 00:35	WG2196208
Bromomethane	ND	C3	5.00	1	12/27/2023 00:35	WG2196208
n-Butylbenzene	ND		1.00	1	12/27/2023 00:35	WG2196208
sec-Butylbenzene	ND		1.00	1	12/27/2023 00:35	WG2196208
tert-Butylbenzene	ND		1.00	1	12/27/2023 00:35	WG2196208
Carbon tetrachloride	ND		1.00	1	12/27/2023 00:35	WG2196208
Chlorobenzene	ND		1.00	1	12/27/2023 00:35	WG2196208
Chlorodibromomethane	ND		1.00	1	12/27/2023 00:35	WG2196208
Chloroethane	ND	C3 J4	5.00	1	12/27/2023 00:35	WG2196208
Chloroform	ND		5.00	1	12/27/2023 00:35	WG2196208
Chloromethane	ND		2.50	1	12/27/2023 00:35	WG2196208
2-Chlorotoluene	ND		1.00	1	12/27/2023 00:35	WG2196208
4-Chlorotoluene	ND		1.00	1	12/27/2023 00:35	WG2196208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	12/27/2023 00:35	WG2196208
1,2-Dibromoethane	ND		1.00	1	12/27/2023 00:35	WG2196208
Dibromomethane	ND		1.00	1	12/27/2023 00:35	WG2196208
1,2-Dichlorobenzene	ND		1.00	1	12/27/2023 00:35	WG2196208
1,3-Dichlorobenzene	ND		1.00	1	12/27/2023 00:35	WG2196208
1,4-Dichlorobenzene	ND		1.00	1	12/27/2023 00:35	WG2196208
Dichlorodifluoromethane	ND		5.00	1	12/27/2023 00:35	WG2196208
1,1-Dichloroethane	ND		1.00	1	12/27/2023 00:35	WG2196208
1,2-Dichloroethane	ND		1.00	1	12/27/2023 00:35	WG2196208
1,1-Dichloroethene	ND		1.00	1	12/27/2023 00:35	WG2196208
cis-1,2-Dichloroethene	ND		1.00	1	12/27/2023 00:35	WG2196208
trans-1,2-Dichloroethene	ND		1.00	1	12/27/2023 00:35	WG2196208
1,2-Dichloropropane	ND		1.00	1	12/27/2023 00:35	WG2196208
1,1-Dichloropropene	ND		1.00	1	12/27/2023 00:35	WG2196208
1,3-Dichloropropane	ND		1.00	1	12/27/2023 00:35	WG2196208
cis-1,3-Dichloropropene	ND		1.00	1	12/27/2023 00:35	WG2196208
trans-1,3-Dichloropropene	ND		1.00	1	12/27/2023 00:35	WG2196208
2,2-Dichloropropane	ND		1.00	1	12/27/2023 00:35	WG2196208
Di-isopropyl ether	ND		1.00	1	12/27/2023 00:35	WG2196208
Ethylbenzene	ND		1.00	1	12/27/2023 00:35	WG2196208
Hexachloro-1,3-butadiene	ND		1.00	1	12/27/2023 00:35	WG2196208
Isopropylbenzene	ND		1.00	1	12/27/2023 00:35	WG2196208
p-Isopropyltoluene	ND		1.00	1	12/27/2023 00:35	WG2196208
2-Butanone (MEK)	ND		10.0	1	12/27/2023 00:35	WG2196208
Methylene Chloride	ND		5.00	1	12/27/2023 00:35	WG2196208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	12/27/2023 00:35	WG2196208
Methyl tert-butyl ether	ND		1.00	1	12/27/2023 00:35	WG2196208
Naphthalene	ND	C3 J4	5.00	1	12/27/2023 00:35	WG2196208
n-Propylbenzene	ND		1.00	1	12/27/2023 00:35	WG2196208
Styrene	ND		1.00	1	12/27/2023 00:35	WG2196208
1,1,1,2-Tetrachloroethane	ND		1.00	1	12/27/2023 00:35	WG2196208
1,1,2,2-Tetrachloroethane	ND		1.00	1	12/27/2023 00:35	WG2196208
Tetrachloroethene	ND		1.00	1	12/27/2023 00:35	WG2196208
Toluene	ND		1.00	1	12/27/2023 00:35	WG2196208
1,2,3-Trichlorobenzene	ND		1.00	1	12/27/2023 00:35	WG2196208
1,2,4-Trichlorobenzene	ND	C3	1.00	1	12/27/2023 00:35	WG2196208
1,1,1-Trichloroethane	ND		1.00	1	12/27/2023 00:35	WG2196208

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	12/27/2023 00:35	WG2196208
Trichloroethene	ND		1.00	1	12/27/2023 00:35	WG2196208
Trichlorofluoromethane	ND	C3	5.00	1	12/27/2023 00:35	WG2196208
1,2,3-Trichloropropane	ND		2.50	1	12/27/2023 00:35	WG2196208
1,2,4-Trimethylbenzene	ND		1.00	1	12/27/2023 00:35	WG2196208
1,3,5-Trimethylbenzene	ND		1.00	1	12/27/2023 00:35	WG2196208
Vinyl chloride	ND	C3 J4	1.00	1	12/27/2023 00:35	WG2196208
Xylenes, Total	ND		3.00	1	12/27/2023 00:35	WG2196208
(S) Toluene-d8	*104*		*80.0-120*		*12/27/2023 00:35*	WG2196208
(S) 4-Bromofluorobenzene	*92.8*		*77.0-126*		*12/27/2023 00:35*	WG2196208
(S) 1,2-Dichloroethane-d4	*91.6*		*70.0-130*		*12/27/2023 00:35*	WG2196208

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.2		1	12/22/2023 08:35	WG2194511

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND	J5	1.15	1	12/27/2023 17:29	WG2194724

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.106		0.0459	1	12/28/2023 00:32	WG2194332

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.44	5	12/31/2023 15:37	WG2194558
Arsenic	1.52		1.15	5	12/31/2023 15:37	WG2194558
Barium	61.9		2.87	5	12/31/2023 15:37	WG2194558
Beryllium	ND		2.87	5	12/31/2023 15:37	WG2194558
Cadmium	ND		1.15	5	12/31/2023 15:37	WG2194558
Chromium	13.9		5.73	5	12/31/2023 15:37	WG2194558
Cobalt	12.7		1.15	5	12/31/2023 15:37	WG2194558
Copper	18.9		5.73	5	12/31/2023 15:37	WG2194558
Lead	37.2		2.29	5	12/31/2023 15:37	WG2194558
Manganese	378		2.87	5	12/31/2023 15:37	WG2194558
Nickel	50.3		2.87	5	12/31/2023 15:37	WG2194558
Selenium	ND		2.87	5	12/31/2023 15:37	WG2194558
Silver	ND		0.573	5	12/31/2023 15:37	WG2194558
Thallium	ND		2.29	5	12/31/2023 15:37	WG2194558
Vanadium	21.6		2.87	5	12/31/2023 15:37	WG2194558
Zinc	39.6		28.7	5	12/31/2023 15:37	WG2194558

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	0.0673	1	12/27/2023 06:48	WG2196204
Acrylonitrile	ND		0.0168	1	12/27/2023 06:48	WG2196204
Benzene	ND		0.00135	1	12/27/2023 06:48	WG2196204
Bromobenzene	ND		0.0168	1	12/27/2023 06:48	WG2196204
Bromodichloromethane	ND		0.00336	1	12/27/2023 06:48	WG2196204
Bromoform	ND		0.0336	1	12/27/2023 06:48	WG2196204
Bromomethane	ND	C3	0.0168	1	12/27/2023 06:48	WG2196204
n-Butylbenzene	ND		0.0168	1	12/27/2023 06:48	WG2196204
sec-Butylbenzene	ND		0.0168	1	12/27/2023 06:48	WG2196204
tert-Butylbenzene	ND		0.00673	1	12/27/2023 06:48	WG2196204
Carbon tetrachloride	ND		0.00673	1	12/27/2023 06:48	WG2196204
Chlorobenzene	ND		0.00336	1	12/27/2023 06:48	WG2196204
Chlorodibromomethane	ND		0.00336	1	12/27/2023 06:48	WG2196204
Chloroethane	ND		0.00673	1	12/27/2023 06:48	WG2196204
Chloroform	ND		0.00336	1	12/27/2023 06:48	WG2196204
Chloromethane	ND		0.0168	1	12/27/2023 06:48	WG2196204
2-Chlorotoluene	ND		0.00336	1	12/27/2023 06:48	WG2196204
4-Chlorotoluene	ND		0.00673	1	12/27/2023 06:48	WG2196204
1,2-Dibromo-3-Chloropropane	ND		0.0336	1	12/27/2023 06:48	WG2196204

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		0.00336	1	12/27/2023 06:48	WG2196204
Dibromomethane	ND		0.00673	1	12/27/2023 06:48	WG2196204
1,2-Dichlorobenzene	ND		0.00673	1	12/27/2023 06:48	WG2196204
1,3-Dichlorobenzene	ND		0.00673	1	12/27/2023 06:48	WG2196204
1,4-Dichlorobenzene	ND		0.00673	1	12/27/2023 06:48	WG2196204
Dichlorodifluoromethane	ND		0.00673	1	12/27/2023 06:48	WG2196204
1,1-Dichloroethane	ND		0.00336	1	12/27/2023 06:48	WG2196204
1,2-Dichloroethane	ND		0.00336	1	12/27/2023 06:48	WG2196204
1,1-Dichloroethene	ND		0.00336	1	12/27/2023 06:48	WG2196204
cis-1,2-Dichloroethene	ND		0.00336	1	12/27/2023 06:48	WG2196204
trans-1,2-Dichloroethene	ND		0.00673	1	12/27/2023 06:48	WG2196204
1,2-Dichloropropane	ND		0.00673	1	12/27/2023 06:48	WG2196204
1,1-Dichloropropene	ND		0.00336	1	12/27/2023 06:48	WG2196204
1,3-Dichloropropane	ND		0.00673	1	12/27/2023 06:48	WG2196204
cis-1,3-Dichloropropene	ND		0.00336	1	12/27/2023 06:48	WG2196204
trans-1,3-Dichloropropene	ND		0.00673	1	12/27/2023 06:48	WG2196204
2,2-Dichloropropane	ND		0.00336	1	12/27/2023 06:48	WG2196204
Di-isopropyl ether	ND		0.00135	1	12/27/2023 06:48	WG2196204
Ethylbenzene	ND		0.00336	1	12/27/2023 06:48	WG2196204
Hexachloro-1,3-butadiene	ND		0.0336	1	12/27/2023 06:48	WG2196204
Isopropylbenzene	ND		0.00336	1	12/27/2023 06:48	WG2196204
p-Isopropyltoluene	ND		0.00673	1	12/27/2023 06:48	WG2196204
2-Butanone (MEK)	ND		0.135	1	12/27/2023 06:48	WG2196204
Methylene Chloride	ND		0.0336	1	12/27/2023 06:48	WG2196204
4-Methyl-2-pentanone (MIBK)	ND		0.0336	1	12/27/2023 06:48	WG2196204
Methyl tert-butyl ether	ND		0.00135	1	12/27/2023 06:48	WG2196204
Naphthalene	ND		0.0168	1	12/27/2023 06:48	WG2196204
n-Propylbenzene	ND		0.00673	1	12/27/2023 06:48	WG2196204
Styrene	ND		0.0168	1	12/27/2023 06:48	WG2196204
1,1,1,2-Tetrachloroethane	ND		0.00336	1	12/27/2023 06:48	WG2196204
1,1,2,2-Tetrachloroethane	ND		0.00336	1	12/27/2023 06:48	WG2196204
Tetrachloroethene	ND		0.00336	1	12/27/2023 06:48	WG2196204
Toluene	ND		0.00673	1	12/27/2023 06:48	WG2196204
1,2,3-Trichlorobenzene	ND		0.0168	1	12/27/2023 06:48	WG2196204
1,2,4-Trichlorobenzene	ND		0.0168	1	12/27/2023 06:48	WG2196204
1,1,1-Trichloroethane	ND		0.00336	1	12/27/2023 06:48	WG2196204
1,1,2-Trichloroethane	ND		0.00336	1	12/27/2023 06:48	WG2196204
Trichloroethene	ND		0.00135	1	12/27/2023 06:48	WG2196204
Trichlorofluoromethane	ND		0.00336	1	12/27/2023 06:48	WG2196204
1,2,3-Trichloropropane	ND		0.0168	1	12/27/2023 06:48	WG2196204
1,2,4-Trimethylbenzene	ND		0.00673	1	12/27/2023 06:48	WG2196204
1,3,5-Trimethylbenzene	ND		0.00673	1	12/27/2023 06:48	WG2196204
Vinyl chloride	ND		0.00336	1	12/27/2023 06:48	WG2196204
Xylenes, Total	ND		0.00874	1	12/27/2023 06:48	WG2196204
(S) Toluene-d8	*98.8*		*75.0-131*		*12/27/2023 06:48*	WG2196204
(S) 4-Bromofluorobenzene	*105*		*67.0-138*		*12/27/2023 06:48*	WG2196204
(S) 1,2-Dichloroethane-d4	*121*		*70.0-130*		*12/27/2023 06:48*	WG2196204

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		0.0382	1	12/29/2023 19:19	WG2194490
Acenaphthylene	ND		0.0382	1	12/29/2023 19:19	WG2194490
Anthracene	ND		0.0382	1	12/29/2023 19:19	WG2194490
Benzidine	ND		1.91	1	12/29/2023 19:19	WG2194490
Benzo(a)anthracene	0.0633		0.0382	1	12/29/2023 19:19	WG2194490

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	0.0875		0.0382	1	12/29/2023 19:19	WG2194490
Benzo(k)fluoranthene	ND		0.0382	1	12/29/2023 19:19	WG2194490
Benzo(g,h,i)perylene	0.0382		0.0382	1	12/29/2023 19:19	WG2194490
Benzo(a)pyrene	0.0647		0.0382	1	12/29/2023 19:19	WG2194490
Bis(2-chlorethoxy)methane	ND		0.382	1	12/29/2023 19:19	WG2194490
Bis(2-chloroethyl)ether	ND		0.382	1	12/29/2023 19:19	WG2194490
2,2-Oxybis(1-Chloropropane)	ND		0.382	1	12/29/2023 19:19	WG2194490
4-Bromophenyl-phenylether	ND		0.382	1	12/29/2023 19:19	WG2194490
2-Chloronaphthalene	ND		0.0382	1	12/29/2023 19:19	WG2194490
4-Chlorophenyl-phenylether	ND		0.382	1	12/29/2023 19:19	WG2194490
Chrysene	0.0693		0.0382	1	12/29/2023 19:19	WG2194490
Dibenz(a,h)anthracene	ND		0.0382	1	12/29/2023 19:19	WG2194490
3,3-Dichlorobenzidine	ND		0.382	1	12/29/2023 19:19	WG2194490
2,4-Dinitrotoluene	ND		0.382	1	12/29/2023 19:19	WG2194490
2,6-Dinitrotoluene	ND		0.382	1	12/29/2023 19:19	WG2194490
Fluoranthene	0.155		0.0382	1	12/29/2023 19:19	WG2194490
Fluorene	ND		0.0382	1	12/29/2023 19:19	WG2194490
Hexachlorobenzene	ND		0.382	1	12/29/2023 19:19	WG2194490
Hexachloro-1,3-butadiene	ND		0.382	1	12/29/2023 19:19	WG2194490
Hexachlorocyclopentadiene	ND		0.382	1	12/29/2023 19:19	WG2194490
Hexachloroethane	ND		0.382	1	12/29/2023 19:19	WG2194490
Indeno(1,2,3-cd)pyrene	0.0422		0.0382	1	12/29/2023 19:19	WG2194490
Isophorone	ND		0.382	1	12/29/2023 19:19	WG2194490
Naphthalene	ND		0.0382	1	12/29/2023 19:19	WG2194490
Nitrobenzene	ND		0.382	1	12/29/2023 19:19	WG2194490
n-Nitrosodimethylamine	ND		0.382	1	12/29/2023 19:19	WG2194490
n-Nitrosodiphenylamine	ND		0.382	1	12/29/2023 19:19	WG2194490
n-Nitrosodi-n-propylamine	ND		0.382	1	12/29/2023 19:19	WG2194490
Phenanthrene	0.0783		0.0382	1	12/29/2023 19:19	WG2194490
Benzylbutyl phthalate	ND		0.382	1	12/29/2023 19:19	WG2194490
Bis(2-ethylhexyl)phthalate	ND		0.382	1	12/29/2023 19:19	WG2194490
Di-n-butyl phthalate	ND		0.382	1	12/29/2023 19:19	WG2194490
Diethyl phthalate	ND		0.382	1	12/29/2023 19:19	WG2194490
Dimethyl phthalate	ND		0.382	1	12/29/2023 19:19	WG2194490
Di-n-octyl phthalate	ND		0.382	1	12/29/2023 19:19	WG2194490
Pyrene	0.125		0.0382	1	12/29/2023 19:19	WG2194490
1,2,4-Trichlorobenzene	ND		0.382	1	12/29/2023 19:19	WG2194490
4-Chloro-3-methylphenol	ND		0.382	1	12/29/2023 19:19	WG2194490
2-Chlorophenol	ND		0.382	1	12/29/2023 19:19	WG2194490
2,4-Dichlorophenol	ND		0.382	1	12/29/2023 19:19	WG2194490
2,4-Dimethylphenol	ND		0.382	1	12/29/2023 19:19	WG2194490
4,6-Dinitro-2-methylphenol	ND		0.382	1	12/29/2023 19:19	WG2194490
2,4-Dinitrophenol	ND		0.382	1	12/29/2023 19:19	WG2194490
2-Nitrophenol	ND		0.382	1	12/29/2023 19:19	WG2194490
4-Nitrophenol	ND		0.382	1	12/29/2023 19:19	WG2194490
Pentachlorophenol	ND		0.382	1	12/29/2023 19:19	WG2194490
Phenol	ND		0.382	1	12/29/2023 19:19	WG2194490
2,4,6-Trichlorophenol	ND		0.382	1	12/29/2023 19:19	WG2194490
(S) 2-Fluorophenol	*43.3*		*12.0-120*		*12/29/2023 19:19*	WG2194490
(S) Phenol-d5	*41.1*		*10.0-120*		*12/29/2023 19:19*	WG2194490
(S) Nitrobenzene-d5	*43.5*		*10.0-122*		*12/29/2023 19:19*	WG2194490
(S) 2-Fluorobiphenyl	*42.5*		*15.0-120*		*12/29/2023 19:19*	WG2194490
(S) 2,4,6-Tribromophenol	*64.6*		*10.0-127*		*12/29/2023 19:19*	WG2194490
(S) p-Terphenyl-d14	*46.3*		*10.0-120*		*12/29/2023 19:19*	WG2194490

Method Blank (MB)

(MB) R4016185-1 12/22/23 09:41

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

L1690278-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1690278-03 12/22/23 09:41 • (DUP) R4016185-3 12/22/23 09:41

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	78.6	79.0	1	0.589		10

Laboratory Control Sample (LCS)

(LCS) R4016185-2 12/22/23 09:41

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

Method Blank (MB)

(MB) R4016057-1 12/22/23 08:35

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

L1690278-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1690278-13 12/22/23 08:35 • (DUP) R4016057-3 12/22/23 08:35

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.8	83.6	1	0.210		10

Laboratory Control Sample (LCS)

(LCS) R4016057-2 12/22/23 08:35

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

Method Blank (MB)

(MB) R4017335-1 12/27/23 14:58

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

L1690278-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1690278-10 12/27/23 16:27 • (DUP) R4017335-3 12/27/23 16:33

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	8.83		20

L1690278-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1690278-14 12/27/23 16:52 • (DUP) R4017335-4 12/27/23 16:58

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) R4017335-2 12/27/23 15:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	9.90	99.0	80.0-120	

L1690278-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690278-18 12/27/23 17:29 • (MS) R4017335-5 12/27/23 17:35 • (MSD) R4017335-6 12/27/23 17:41

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	22.9	ND	24.7	22.2	104	93.1	1	75.0-125			10.9	20

L1690278-18 Original Sample (OS) • Matrix Spike (MS)

(OS) L1690278-18 12/27/23 17:29 • (MS) R4017335-7 12/27/23 17:47

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	741	ND	937	127	50	75.0-125	J5

Method Blank (MB)

(MB) R4017549-1 12/28/23 07:02

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

L1690278-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1690278-08 12/28/23 07:16 • (DUP) R4017549-3 12/28/23 07:22

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	33.1	P1	20

L1690632-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1690632-02 12/28/23 09:01 • (DUP) R4017549-8 12/28/23 09:08

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

Laboratory Control Sample (LCS)

(LCS) R4017549-2 12/28/23 07:10

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

L1690311-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690311-07 12/28/23 07:47 • (MS) R4017549-5 12/28/23 07:59 • (MSD) R4017549-6 12/28/23 08:18

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	23.3	6.50	25.7	21.8	82.7	66.0	1	75.0-125		J6	16.4	20

L1690311-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1690311-07 12/28/23 07:47 • (MS) R4017549-7 12/28/23 08:24

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	mg/kg	mg/kg	mg/kg	%		%	
Hexavalent Chromium	745	6.50	822	110	50	75.0-125	

QUALITY CONTROL SUMMARY

L1690278-16,18

Method Blank (MB)

(MB) R4017364-1 12/27/23 23:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4017364-2 12/27/23 23:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.467	93.3	80.0-120	

L1690311-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690311-02 12/27/23 23:58 • (MS) R4017364-3 12/28/23 00:00 • (MSD) R4017364-4 12/28/23 00:03

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 %
Mercury	0.592	ND	0.590	0.606	92.0	94.6	1	75.0-125			2.58	20

QUALITY CONTROL SUMMARY

L1690278-01,02,03,04,05,06,07,08,09,10,12,13,14,15

Method Blank (MB)

(MB) R4017131-1 12/27/23 10:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4017131-2 12/27/23 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.503	101	80.0-120	

L1690278-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690278-04 12/27/23 10:16 • (MS) R4017131-3 12/27/23 10:18 • (MSD) R4017131-4 12/27/23 10:21

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 %
Mercury	0.602	0.0524	0.579	0.574	87.4	86.8	1	75.0-125			0.707	20

QUALITY CONTROL SUMMARY

L1690278-01,02,05,06,07,08,09,10

Method Blank (MB)

(MB) R4018743-1 01/02/24 11:57

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	0.237	J	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

Laboratory Control Sample (LCS)

(LCS) R4018743-2 01/02/24 12:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	106	106	80.0-120	
Arsenic	100	100	100	80.0-120	
Barium	100	95.0	95.0	80.0-120	
Beryllium	100	87.6	87.6	80.0-120	
Cadmium	100	101	101	80.0-120	
Chromium	100	105	105	80.0-120	
Cobalt	100	105	105	80.0-120	
Copper	100	95.3	95.3	80.0-120	
Lead	100	98.4	98.4	80.0-120	
Manganese	100	103	103	80.0-120	
Nickel	100	103	103	80.0-120	
Selenium	100	105	105	80.0-120	
Silver	20.0	20.6	103	80.0-120	
Thallium	100	96.0	96.0	80.0-120	
Vanadium	100	103	103	80.0-120	
Zinc	100	98.6	98.6	80.0-120	

L1690278-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690278-05 01/02/24 12:04 • (MS) R4018743-5 01/02/24 12:14 • (MSD) R4018743-6 01/02/24 12:17

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	48.0	50.5	40.2	42.3	5	75.0-125	J6	J6	5.03	20
Arsenic	119	1.70	94.8	102	78.0	84.5	5	75.0-125			7.80	20
Barium	119	75.5	196	198	101	103	5	75.0-125			1.20	20
Beryllium	119	ND	89.1	96.7	74.2	80.6	5	75.0-125	J6		8.23	20
Cadmium	119	ND	104	112	87.1	93.5	5	75.0-125			7.10	20
Chromium	119	15.2	120	130	88.0	95.9	5	75.0-125			7.60	20
Cobalt	119	7.33	107	117	83.7	91.7	5	75.0-125			8.49	20
Copper	119	10.7	103	113	77.5	86.2	5	75.0-125			9.54	20
Lead	119	27.7	125	121	81.2	78.2	5	75.0-125			2.91	20
Manganese	119	231	406	332	146	84.3	5	75.0-125	J5	J3	20.1	20
Nickel	119	10.1	110	120	84.0	91.7	5	75.0-125			8.07	20
Selenium	119	ND	100	110	83.8	92.3	5	75.0-125			9.57	20
Silver	23.9	ND	20.4	21.8	85.7	91.2	5	75.0-125			6.21	20
Thallium	119	ND	95.7	99.6	80.1	83.4	5	75.0-125			4.02	20
Vanadium	119	26.0	129	145	86.7	99.6	5	75.0-125			11.2	20
Zinc	119	41.1	139	148	81.8	90.1	5	75.0-125			6.82	20

QUALITY CONTROL SUMMARY

L1690278-03,04,12,13,14,15,16,18

Method Blank (MB)

(MB) R4018559-1 12/31/23 14:10

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

Laboratory Control Sample (LCS)

(LCS) R4018559-2 12/31/23 14:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	115	115	80.0-120	
Arsenic	100	99.8	99.8	80.0-120	
Barium	100	95.9	95.9	80.0-120	
Beryllium	100	101	101	80.0-120	
Cadmium	100	101	101	80.0-120	
Chromium	100	103	103	80.0-120	
Cobalt	100	103	103	80.0-120	
Copper	100	95.0	95.0	80.0-120	
Lead	100	99.7	99.7	80.0-120	
Manganese	100	103	103	80.0-120	
Nickel	100	102	102	80.0-120	
Selenium	100	105	105	80.0-120	
Silver	20.0	20.1	100	80.0-120	
Thallium	100	97.4	97.4	80.0-120	
Vanadium	100	103	103	80.0-120	
Zinc	100	96.5	96.5	80.0-120	

L1690278-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690278-16 12/31/23 14:17 • (MS) R4018559-5 12/31/23 14:27 • (MSD) R4018559-6 12/31/23 14:30

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 %
Antimony	119	ND	54.0	38.8	45.1	36.1	5	75.0-125	J6	J3 J6	32.9	20
Arsenic	119	1.61	106	98.3	87.1	90.7	5	75.0-125			7.18	20
Barium	119	67.0	210	199	120	124	5	75.0-125			5.24	20
Beryllium	119	ND	129	112	107	105	5	75.0-125			13.9	20
Cadmium	119	ND	129	111	108	104	5	75.0-125			14.5	20
Chromium	119	20.2	141	130	101	103	5	75.0-125			7.69	20
Cobalt	119	7.93	128	116	100	101	5	75.0-125			9.83	20
Copper	119	15.8	128	116	94.3	94.1	5	75.0-125			10.0	20
Lead	119	39.1	142	126	86.1	81.7	5	75.0-125			11.7	20
Manganese	119	213	303	392	75.4	168	5	75.0-125		J3 J5	25.6	20
Nickel	119	21.7	141	134	100	106	5	75.0-125			5.15	20
Selenium	119	ND	125	109	104	102	5	75.0-125			13.9	20
Silver	23.9	ND	24.5	22.0	103	103	5	75.0-125			11.0	20
Thallium	119	ND	121	106	101	99.0	5	75.0-125			13.3	20
Vanadium	119	32.7	151	139	99.2	99.9	5	75.0-125			8.25	20
Zinc	119	38.2	149	143	92.3	98.7	5	75.0-125			3.44	20

Method Blank (MB)

(MB) R4017008-3 12/26/23 23:01

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	0.00138	J	0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4017008-3 12/26/23 23:01

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	*106*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*

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

(LCS) R4017008-1 12/26/23 21:19 • (LCSD) R4017008-2 12/26/23 21:38

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	0.432	0.409	69.1	65.4	10.0-160			5.47	31
Acrylonitrile	0.625	0.710	0.715	114	114	45.0-153			0.702	22
Benzene	0.125	0.130	0.127	104	102	70.0-123			2.33	20
Bromobenzene	0.125	0.133	0.135	106	108	73.0-121			1.49	20
Bromodichloromethane	0.125	0.130	0.133	104	106	73.0-121			2.28	20
Bromoform	0.125	0.129	0.128	103	102	64.0-132			0.778	20
Bromomethane	0.125	0.0987	0.0991	79.0	79.3	56.0-147			0.404	20

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

(LCS) R4017008-1 12/26/23 21:19 • (LCSD) R4017008-2 12/26/23 21:38

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 %
n-Butylbenzene	0.125	0.111	0.113	88.8	90.4	68.0-135			1.79	20
sec-Butylbenzene	0.125	0.119	0.121	95.2	96.8	74.0-130			1.67	20
tert-Butylbenzene	0.125	0.114	0.117	91.2	93.6	75.0-127			2.60	20
Carbon tetrachloride	0.125	0.131	0.128	105	102	66.0-128			2.32	20
Chlorobenzene	0.125	0.117	0.112	93.6	89.6	76.0-128			4.37	20
Chlorodibromomethane	0.125	0.117	0.120	93.6	96.0	74.0-127			2.53	20
Chloroethane	0.125	0.128	0.129	102	103	61.0-134			0.778	20
Chloroform	0.125	0.124	0.126	99.2	101	72.0-123			1.60	20
Chloromethane	0.125	0.126	0.139	101	111	51.0-138			9.81	20
2-Chlorotoluene	0.125	0.116	0.112	92.8	89.6	75.0-124			3.51	20
4-Chlorotoluene	0.125	0.136	0.136	109	109	75.0-124			0.000	20
1,2-Dibromo-3-Chloropropane	0.125	0.124	0.125	99.2	100	59.0-130			0.803	20
1,2-Dibromoethane	0.125	0.126	0.123	101	98.4	74.0-128			2.41	20
Dibromomethane	0.125	0.118	0.119	94.4	95.2	75.0-122			0.844	20
1,2-Dichlorobenzene	0.125	0.123	0.122	98.4	97.6	76.0-124			0.816	20
1,3-Dichlorobenzene	0.125	0.135	0.134	108	107	76.0-125			0.743	20
1,4-Dichlorobenzene	0.125	0.125	0.127	100	102	77.0-121			1.59	20
Dichlorodifluoromethane	0.125	0.123	0.124	98.4	99.2	43.0-156			0.810	20
1,1-Dichloroethane	0.125	0.127	0.133	102	106	70.0-127			4.62	20
1,2-Dichloroethane	0.125	0.127	0.133	102	106	65.0-131			4.62	20
1,1-Dichloroethene	0.125	0.126	0.132	101	106	65.0-131			4.65	20
cis-1,2-Dichloroethene	0.125	0.120	0.120	96.0	96.0	73.0-125			0.000	20
trans-1,2-Dichloroethene	0.125	0.103	0.0998	82.4	79.8	71.0-125			3.16	20
1,2-Dichloropropane	0.125	0.135	0.135	108	108	74.0-125			0.000	20
1,1-Dichloropropene	0.125	0.118	0.118	94.4	94.4	73.0-125			0.000	20
1,3-Dichloropropane	0.125	0.130	0.129	104	103	80.0-125			0.772	20
cis-1,3-Dichloropropene	0.125	0.125	0.128	100	102	76.0-127			2.37	20
trans-1,3-Dichloropropene	0.125	0.126	0.123	101	98.4	73.0-127			2.41	20
2,2-Dichloropropane	0.125	0.140	0.142	112	114	59.0-135			1.42	20
Di-isopropyl ether	0.125	0.151	0.155	121	124	60.0-136			2.61	20
Ethylbenzene	0.125	0.117	0.118	93.6	94.4	74.0-126			0.851	20
Hexachloro-1,3-butadiene	0.125	0.118	0.122	94.4	97.6	57.0-150			3.33	20
Isopropylbenzene	0.125	0.113	0.112	90.4	89.6	72.0-127			0.889	20
p-Isopropyltoluene	0.125	0.118	0.119	94.4	95.2	72.0-133			0.844	20
2-Butanone (MEK)	0.625	0.590	0.628	94.4	100	30.0-160			6.24	24
Methylene Chloride	0.125	0.114	0.116	91.2	92.8	68.0-123			1.74	20
4-Methyl-2-pentanone (MIBK)	0.625	0.773	0.761	124	122	56.0-143			1.56	20
Methyl tert-butyl ether	0.125	0.123	0.117	98.4	93.6	66.0-132			5.00	20
Naphthalene	0.125	0.111	0.122	88.8	97.6	59.0-130			9.44	20
n-Propylbenzene	0.125	0.123	0.124	98.4	99.2	74.0-126			0.810	20

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

(LCS) R4017008-1 12/26/23 21:19 • (LCSD) R4017008-2 12/26/23 21:38

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 %
Styrene	0.125	0.106	0.107	84.8	85.6	72.0-127			0.939	20
1,1,1,2-Tetrachloroethane	0.125	0.111	0.110	88.8	88.0	74.0-129			0.905	20
1,1,2,2-Tetrachloroethane	0.125	0.133	0.132	106	106	68.0-128			0.755	20
Tetrachloroethene	0.125	0.118	0.114	94.4	91.2	70.0-136			3.45	20
Toluene	0.125	0.120	0.119	96.0	95.2	75.0-121			0.837	20
1,2,3-Trichlorobenzene	0.125	0.102	0.104	81.6	83.2	59.0-139			1.94	20
1,2,4-Trichlorobenzene	0.125	0.103	0.112	82.4	89.6	62.0-137			8.37	20
1,1,1-Trichloroethane	0.125	0.134	0.130	107	104	69.0-126			3.03	20
1,1,2-Trichloroethane	0.125	0.125	0.121	100	96.8	78.0-123			3.25	20
Trichloroethene	0.125	0.121	0.120	96.8	96.0	76.0-126			0.830	20
Trichlorofluoromethane	0.125	0.109	0.111	87.2	88.8	61.0-142			1.82	20
1,2,3-Trichloropropane	0.125	0.137	0.131	110	105	67.0-129			4.48	20
1,2,4-Trimethylbenzene	0.125	0.128	0.130	102	104	70.0-126			1.55	20
1,3,5-Trimethylbenzene	0.125	0.122	0.120	97.6	96.0	73.0-127			1.65	20
Vinyl chloride	0.125	0.110	0.112	88.0	89.6	63.0-134			1.80	20
Xylenes, Total	0.375	0.353	0.304	94.1	81.1	72.0-127			14.9	20
(S) Toluene-d8				*99.0*	*98.0*	*75.0-131*				
(S) 4-Bromofluorobenzene				*102*	*102*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*122*	*122*	*70.0-130*				

L1690518-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690518-05 12/27/23 08:04 • (MS) R4017008-4 12/27/23 08:23 • (MSD) R4017008-5 12/27/23 08:42

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	14.5	ND	34.2	28.6	236	197	20	10.0-160	J5	J5	17.7	40
Acrylonitrile	14.5	ND	20.8	23.0	143	159	20	10.0-160			10.3	40
Benzene	2.91	ND	3.39	3.63	117	125	20	10.0-149			6.87	37
Bromobenzene	2.91	ND	3.74	3.99	128	137	20	10.0-156			6.63	38
Bromodichloromethane	2.91	ND	3.19	3.46	110	119	20	10.0-143			8.14	37
Bromoform	2.91	ND	3.49	3.66	120	126	20	10.0-146			4.63	36
Bromomethane	2.91	ND	1.81	1.81	62.2	62.2	20	10.0-149			0.000	38
n-Butylbenzene	2.91	ND	4.49	4.79	154	165	20	10.0-160		J5	6.49	40
sec-Butylbenzene	2.91	1.24	4.61	4.78	116	122	20	10.0-159			3.53	39
tert-Butylbenzene	2.91	ND	4.26	3.74	147	128	20	10.0-156			13.2	39
Carbon tetrachloride	2.91	ND	3.99	4.29	137	148	20	10.0-145		J5	7.27	37
Chlorobenzene	2.91	ND	3.22	3.39	111	117	20	10.0-152			5.01	39
Chlorodibromomethane	2.91	ND	3.40	3.51	117	121	20	10.0-146			3.05	37
Chloroethane	2.91	ND	3.49	3.71	120	127	20	10.0-146			5.86	40

L1690518-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690518-05 12/27/23 08:04 • (MS) R4017008-4 12/27/23 08:23 • (MSD) R4017008-5 12/27/23 08:42

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloroform	2.91	ND	3.95	3.93	136	135	20	10.0-146			0.382	37
Chloromethane	2.91	ND	3.86	4.07	133	140	20	10.0-159			5.32	37
2-Chlorotoluene	2.91	ND	3.31	3.63	114	125	20	10.0-159			9.11	38
4-Chlorotoluene	2.91	ND	3.87	3.95	133	136	20	10.0-155			1.93	39
1,2-Dibromo-3-Chloropropane	2.91	ND	3.30	3.65	113	125	20	10.0-151			9.98	39
1,2-Dibromoethane	2.91	ND	3.59	3.83	123	132	20	10.0-148			6.50	34
Dibromomethane	2.91	ND	3.49	3.74	120	128	20	10.0-147			6.67	35
1,2-Dichlorobenzene	2.91	ND	3.40	3.68	117	126	20	10.0-155			7.66	37
1,3-Dichlorobenzene	2.91	ND	3.87	4.13	133	142	20	10.0-153			6.40	38
1,4-Dichlorobenzene	2.91	ND	3.62	3.68	124	126	20	10.0-151			1.65	38
Dichlorodifluoromethane	2.91	ND	4.05	4.16	139	143	20	10.0-160			2.57	35
1,1-Dichloroethane	2.91	ND	3.78	3.99	130	137	20	10.0-147			5.43	37
1,2-Dichloroethane	2.91	ND	3.74	4.10	128	141	20	10.0-148			9.23	35
1,1-Dichloroethene	2.91	ND	4.25	4.43	146	152	20	10.0-155			4.17	37
cis-1,2-Dichloroethene	2.91	ND	3.37	3.45	116	119	20	10.0-149			2.21	37
trans-1,2-Dichloroethene	2.91	ND	3.01	3.04	104	105	20	10.0-150			0.995	37
1,2-Dichloropropane	2.91	ND	3.84	4.11	132	141	20	10.0-148			6.82	37
1,1-Dichloropropene	2.91	ND	3.68	3.90	126	134	20	10.0-153			5.96	35
1,3-Dichloropropane	2.91	ND	3.75	3.86	129	133	20	10.0-154			2.77	35
cis-1,3-Dichloropropene	2.91	ND	3.51	3.78	121	130	20	10.0-151			7.44	37
trans-1,3-Dichloropropene	2.91	ND	3.42	3.59	118	123	20	10.0-148			4.73	37
2,2-Dichloropropane	2.91	ND	3.34	3.30	115	113	20	10.0-138			1.36	36
Di-isopropyl ether	2.91	ND	4.32	4.56	149	157	20	10.0-147	J5	J5	5.42	36
Ethylbenzene	2.91	0.556	3.72	3.93	109	116	20	10.0-160			5.51	38
Hexachloro-1,3-butadiene	2.91	ND	3.92	4.26	135	147	20	10.0-160			8.47	40
Isopropylbenzene	2.91	1.64	4.37	4.62	93.8	103	20	10.0-155			5.70	38
p-Isopropyltoluene	2.91	0.413	4.44	4.72	139	148	20	10.0-160			5.92	40
2-Butanone (MEK)	14.5	ND	13.5	11.8	92.8	81.0	20	10.0-160			13.6	40
Methylene Chloride	2.91	ND	3.22	3.07	111	106	20	10.0-141			4.78	37
4-Methyl-2-pentanone (MIBK)	14.5	ND	21.1	22.4	145	155	20	10.0-160			6.23	35
Methyl tert-butyl ether	2.91	ND	3.18	3.42	109	118	20	11.0-147			7.31	35
Naphthalene	2.91	0.499	4.14	4.52	125	138	20	10.0-160			8.70	36
n-Propylbenzene	2.91	8.24	8.87	9.25	21.8	34.7	20	10.0-158			4.16	38
Styrene	2.91	ND	3.04	3.27	105	112	20	10.0-160			7.16	40
1,1,1,2-Tetrachloroethane	2.91	ND	3.04	3.25	105	112	20	10.0-149			6.70	39
1,1,2,2-Tetrachloroethane	2.91	ND	3.34	3.36	115	116	20	10.0-160			0.449	35
Tetrachloroethene	2.91	ND	3.53	3.84	121	132	20	10.0-156			8.59	39
Toluene	2.91	ND	3.34	3.51	115	121	20	10.0-156			4.84	38
1,2,3-Trichlorobenzene	2.91	ND	4.28	4.50	147	155	20	10.0-160			5.15	40

L1690518-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690518-05 12/27/23 08:04 • (MS) R4017008-4 12/27/23 08:23 • (MSD) R4017008-5 12/27/23 08:42

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2,4-Trichlorobenzene	2.91	ND	3.66	3.90	126	134	20	10.0-160			6.37	40
1,1,1-Trichloroethane	2.91	ND	4.10	4.22	141	145	20	10.0-144		J5	2.90	35
1,1,2-Trichloroethane	2.91	ND	3.24	3.78	111	130	20	10.0-160			15.5	35
Trichloroethene	2.91	ND	3.42	3.75	118	129	20	10.0-156			9.24	38
Trichlorofluoromethane	2.91	ND	3.56	3.86	122	133	20	10.0-160			8.13	40
1,2,3-Trichloropropane	2.91	ND	3.60	3.63	124	125	20	10.0-156			0.833	35
1,2,4-Trimethylbenzene	2.91	0.746	4.01	4.28	112	122	20	10.0-160			6.55	36
1,3,5-Trimethylbenzene	2.91	0.908	4.13	4.34	111	118	20	10.0-160			4.98	38
Vinyl chloride	2.91	ND	3.07	3.51	106	121	20	10.0-160			13.3	37
Xylenes, Total	8.69	ND	9.99	10.6	115	122	20	10.0-160			5.86	38
(S) Toluene-d8					*98.6*	*97.5*		*75.0-131*				
(S) 4-Bromofluorobenzene					*106*	*104*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*119*	*119*		*70.0-130*				

Sample Narrative:

OS: Non-target compounds too high to run at a lower dilution.

Method Blank (MB)

(MB) R4018003-3 12/28/23 22:04

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	0.00430		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4018003-3 12/28/23 22:04

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	*103*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*

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

(LCS) R4018003-1 12/28/23 20:13 • (LCSD) R4018003-2 12/28/23 20:32

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	0.373	0.389	59.7	62.2	10.0-160			4.20	31
Acrylonitrile	0.625	0.567	0.589	90.7	94.2	45.0-153			3.81	22
Benzene	0.125	0.114	0.116	91.2	92.8	70.0-123			1.74	20
Bromobenzene	0.125	0.120	0.121	96.0	96.8	73.0-121			0.830	20
Bromodichloromethane	0.125	0.125	0.130	100	104	73.0-121			3.92	20
Bromoform	0.125	0.133	0.136	106	109	64.0-132			2.23	20
Bromomethane	0.125	0.101	0.0982	80.8	78.6	56.0-147			2.81	20

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

(LCS) R4018003-1 12/28/23 20:13 • (LCSD) R4018003-2 12/28/23 20:32

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	0.102	0.0985	81.6	78.8	68.0-135			3.49	20
sec-Butylbenzene	0.125	0.110	0.109	88.0	87.2	74.0-130			0.913	20
tert-Butylbenzene	0.125	0.105	0.108	84.0	86.4	75.0-127			2.82	20
Carbon tetrachloride	0.125	0.125	0.128	100	102	66.0-128			2.37	20
Chlorobenzene	0.125	0.108	0.108	86.4	86.4	76.0-128			0.000	20
Chlorodibromomethane	0.125	0.121	0.124	96.8	99.2	74.0-127			2.45	20
Chloroethane	0.125	0.116	0.108	92.8	86.4	61.0-134			7.14	20
Chloroform	0.125	0.118	0.122	94.4	97.6	72.0-123			3.33	20
Chloromethane	0.125	0.0972	0.0995	77.8	79.6	51.0-138			2.34	20
2-Chlorotoluene	0.125	0.101	0.107	80.8	85.6	75.0-124			5.77	20
4-Chlorotoluene	0.125	0.112	0.119	89.6	95.2	75.0-124			6.06	20
1,2-Dibromo-3-Chloropropane	0.125	0.117	0.121	93.6	96.8	59.0-130			3.36	20
1,2-Dibromoethane	0.125	0.123	0.120	98.4	96.0	74.0-128			2.47	20
Dibromomethane	0.125	0.119	0.117	95.2	93.6	75.0-122			1.69	20
1,2-Dichlorobenzene	0.125	0.109	0.121	87.2	96.8	76.0-124			10.4	20
1,3-Dichlorobenzene	0.125	0.126	0.128	101	102	76.0-125			1.57	20
1,4-Dichlorobenzene	0.125	0.117	0.119	93.6	95.2	77.0-121			1.69	20
Dichlorodifluoromethane	0.125	0.110	0.113	88.0	90.4	43.0-156			2.69	20
1,1-Dichloroethane	0.125	0.114	0.113	91.2	90.4	70.0-127			0.881	20
1,2-Dichloroethane	0.125	0.111	0.118	88.8	94.4	65.0-131			6.11	20
1,1-Dichloroethene	0.125	0.104	0.105	83.2	84.0	65.0-131			0.957	20
cis-1,2-Dichloroethene	0.125	0.112	0.114	89.6	91.2	73.0-125			1.77	20
trans-1,2-Dichloroethene	0.125	0.0916	0.0898	73.3	71.8	71.0-125			1.98	20
1,2-Dichloropropane	0.125	0.110	0.121	88.0	96.8	74.0-125			9.52	20
1,1-Dichloropropene	0.125	0.108	0.112	86.4	89.6	73.0-125			3.64	20
1,3-Dichloropropane	0.125	0.122	0.126	97.6	101	80.0-125			3.23	20
cis-1,3-Dichloropropene	0.125	0.121	0.122	96.8	97.6	76.0-127			0.823	20
trans-1,3-Dichloropropene	0.125	0.119	0.114	95.2	91.2	73.0-127			4.29	20
2,2-Dichloropropane	0.125	0.124	0.126	99.2	101	59.0-135			1.60	20
Di-isopropyl ether	0.125	0.116	0.120	92.8	96.0	60.0-136			3.39	20
Ethylbenzene	0.125	0.108	0.108	86.4	86.4	74.0-126			0.000	20
Hexachloro-1,3-butadiene	0.125	0.112	0.115	89.6	92.0	57.0-150			2.64	20
Isopropylbenzene	0.125	0.104	0.106	83.2	84.8	72.0-127			1.90	20
p-Isopropyltoluene	0.125	0.106	0.110	84.8	88.0	72.0-133			3.70	20
2-Butanone (MEK)	0.625	0.494	0.525	79.0	84.0	30.0-160			6.08	24
Methylene Chloride	0.125	0.104	0.107	83.2	85.6	68.0-123			2.84	20
4-Methyl-2-pentanone (MIBK)	0.625	0.599	0.615	95.8	98.4	56.0-143			2.64	20
Methyl tert-butyl ether	0.125	0.116	0.115	92.8	92.0	66.0-132			0.866	20
Naphthalene	0.125	0.0946	0.108	75.7	86.4	59.0-130			13.2	20
n-Propylbenzene	0.125	0.107	0.109	85.6	87.2	74.0-126			1.85	20

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

(LCS) R4018003-1 12/28/23 20:13 • (LCSD) R4018003-2 12/28/23 20:32

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	0.0992	0.0983	79.4	78.6	72.0-127			0.911	20
1,1,1,2-Tetrachloroethane	0.125	0.107	0.108	85.6	86.4	74.0-129			0.930	20
1,1,2,2-Tetrachloroethane	0.125	0.120	0.121	96.0	96.8	68.0-128			0.830	20
Tetrachloroethene	0.125	0.105	0.105	84.0	84.0	70.0-136			0.000	20
Toluene	0.125	0.105	0.108	84.0	86.4	75.0-121			2.82	20
1,2,3-Trichlorobenzene	0.125	0.0948	0.102	75.8	81.6	59.0-139			7.32	20
1,2,4-Trichlorobenzene	0.125	0.0974	0.104	77.9	83.2	62.0-137			6.55	20
1,1,1-Trichloroethane	0.125	0.121	0.120	96.8	96.0	69.0-126			0.830	20
1,1,2-Trichloroethane	0.125	0.121	0.115	96.8	92.0	78.0-123			5.08	20
Trichloroethene	0.125	0.113	0.114	90.4	91.2	76.0-126			0.881	20
Trichlorofluoromethane	0.125	0.111	0.116	88.8	92.8	61.0-142			4.41	20
1,2,3-Trichloropropane	0.125	0.120	0.137	96.0	110	67.0-129			13.2	20
1,2,4-Trimethylbenzene	0.125	0.107	0.114	85.6	91.2	70.0-126			6.33	20
1,3,5-Trimethylbenzene	0.125	0.108	0.112	86.4	89.6	73.0-127			3.64	20
Vinyl chloride	0.125	0.0968	0.0965	77.4	77.2	63.0-134			0.310	20
Xylenes, Total	0.375	0.314	0.276	83.7	73.6	72.0-127			12.9	20
(S) Toluene-d8				*100*	*97.4*	*75.0-131*				
(S) 4-Bromofluorobenzene				*105*	*102*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*119*	*116*	*70.0-130*				

Method Blank (MB)

(MB) R4017506-3 12/26/23 23:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4017506-3 12/26/23 23:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*89.9*			*70.0-130*

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

(LCS) R4017506-1 12/26/23 21:08 • (LCSD) R4017506-2 12/26/23 21:31

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	27.8	33.2	111	133	19.0-160			17.7	27
Acrolein	25.0	50.4	52.2	202	209	10.0-160	J4	J4	3.51	26
Acrylonitrile	25.0	24.9	24.8	99.6	99.2	55.0-149			0.402	20
Benzene	5.00	5.53	5.21	111	104	70.0-123			5.96	20
Bromobenzene	5.00	5.12	5.02	102	100	73.0-121			1.97	20
Bromodichloromethane	5.00	5.15	4.88	103	97.6	75.0-120			5.38	20

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

(LCS) R4017506-1 12/26/23 21:08 • (LCSD) R4017506-2 12/26/23 21:31

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	5.23	109	105	68.0-132			3.94	20
Bromomethane	5.00	1.44	1.28	28.8	25.6	10.0-160			11.8	25
n-Butylbenzene	5.00	4.73	4.73	94.6	94.6	73.0-125			0.000	20
sec-Butylbenzene	5.00	5.49	5.22	110	104	75.0-125			5.04	20
tert-Butylbenzene	5.00	4.93	4.73	98.6	94.6	76.0-124			4.14	20
Carbon tetrachloride	5.00	5.56	5.13	111	103	68.0-126			8.04	20
Chlorobenzene	5.00	5.66	5.44	113	109	80.0-121			3.96	20
Chlorodibromomethane	5.00	5.51	5.54	110	111	77.0-125			0.543	20
Chloroethane	5.00	2.26	2.21	45.2	44.2	47.0-150	J4	J4	2.24	20
Chloroform	5.00	5.42	5.08	108	102	73.0-120			6.48	20
Chloromethane	5.00	4.49	4.14	89.8	82.8	41.0-142			8.11	20
2-Chlorotoluene	5.00	5.16	4.97	103	99.4	76.0-123			3.75	20
4-Chlorotoluene	5.00	5.16	4.77	103	95.4	75.0-122			7.85	20
1,2-Dibromo-3-Chloropropane	5.00	4.16	4.07	83.2	81.4	58.0-134			2.19	20
1,2-Dibromoethane	5.00	5.81	5.45	116	109	80.0-122			6.39	20
Dibromomethane	5.00	5.21	4.88	104	97.6	80.0-120			6.54	20
1,2-Dichlorobenzene	5.00	5.74	5.54	115	111	79.0-121			3.55	20
1,3-Dichlorobenzene	5.00	5.55	5.24	111	105	79.0-120			5.75	20
1,4-Dichlorobenzene	5.00	5.61	5.42	112	108	79.0-120			3.45	20
Dichlorodifluoromethane	5.00	5.31	4.84	106	96.8	51.0-149			9.26	20
1,1-Dichloroethane	5.00	5.01	4.76	100	95.2	70.0-126			5.12	20
1,2-Dichloroethane	5.00	5.05	4.91	101	98.2	70.0-128			2.81	20
1,1-Dichloroethene	5.00	5.82	5.34	116	107	71.0-124			8.60	20
cis-1,2-Dichloroethene	5.00	5.32	5.07	106	101	73.0-120			4.81	20
trans-1,2-Dichloroethene	5.00	5.68	5.26	114	105	73.0-120			7.68	20
1,2-Dichloropropane	5.00	4.66	4.83	93.2	96.6	77.0-125			3.58	20
1,1-Dichloropropene	5.00	5.19	4.88	104	97.6	74.0-126			6.16	20
1,3-Dichloropropane	5.00	5.59	5.42	112	108	80.0-120			3.09	20
cis-1,3-Dichloropropene	5.00	4.91	4.94	98.2	98.8	80.0-123			0.609	20
trans-1,3-Dichloropropene	5.00	4.93	4.93	98.6	98.6	78.0-124			0.000	20
2,2-Dichloropropane	5.00	4.73	4.91	94.6	98.2	58.0-130			3.73	20
Di-isopropyl ether	5.00	5.16	4.87	103	97.4	58.0-138			5.78	20
Ethylbenzene	5.00	5.42	5.32	108	106	79.0-123			1.86	20
Hexachloro-1,3-butadiene	5.00	5.89	5.55	118	111	54.0-138			5.94	20
Isopropylbenzene	5.00	5.48	5.31	110	106	76.0-127			3.15	20
p-Isopropyltoluene	5.00	5.07	4.79	101	95.8	76.0-125			5.68	20
2-Butanone (MEK)	25.0	25.3	29.9	101	120	44.0-160			16.7	20
Methylene Chloride	5.00	5.56	5.94	111	119	67.0-120			6.61	20
4-Methyl-2-pentanone (MIBK)	25.0	24.7	24.0	98.8	96.0	68.0-142			2.87	20
Methyl tert-butyl ether	5.00	5.04	4.96	101	99.2	68.0-125			1.60	20

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

(LCS) R4017506-1 12/26/23 21:08 • (LCSD) R4017506-2 12/26/23 21:31

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	1.93	2.23	38.6	44.6	54.0-135	J4	J4	14.4	20
n-Propylbenzene	5.00	5.15	4.92	103	98.4	77.0-124			4.57	20
Styrene	5.00	5.16	4.71	103	94.2	73.0-130			9.12	20
1,1,1,2-Tetrachloroethane	5.00	5.90	5.50	118	110	75.0-125			7.02	20
1,1,2,2-Tetrachloroethane	5.00	5.25	5.42	105	108	65.0-130			3.19	20
Tetrachloroethene	5.00	6.27	5.88	125	118	72.0-132			6.42	20
Toluene	5.00	5.47	5.22	109	104	79.0-120			4.68	20
1,2,3-Trichlorobenzene	5.00	4.17	4.36	83.4	87.2	50.0-138			4.45	20
1,2,4-Trichlorobenzene	5.00	3.75	3.79	75.0	75.8	57.0-137			1.06	20
1,1,1-Trichloroethane	5.00	5.38	5.03	108	101	73.0-124			6.72	20
1,1,2-Trichloroethane	5.00	5.41	5.64	108	113	80.0-120			4.16	20
Trichloroethene	5.00	5.90	5.60	118	112	78.0-124			5.22	20
Trichlorofluoromethane	5.00	3.57	3.42	71.4	68.4	59.0-147			4.29	20
1,2,3-Trichloropropane	5.00	5.70	5.55	114	111	73.0-130			2.67	20
1,2,4-Trimethylbenzene	5.00	5.15	5.03	103	101	76.0-121			2.36	20
1,3,5-Trimethylbenzene	5.00	5.40	5.09	108	102	76.0-122			5.91	20
Vinyl chloride	5.00	3.33	3.09	66.6	61.8	67.0-131	J4	J4	7.48	20
Xylenes, Total	15.0	16.2	15.7	108	105	79.0-123			3.13	20
(S) Toluene-d8				*105*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.4*	*95.7*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*89.6*	*87.8*	*70.0-130*				

L1691009-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1691009-03 12/27/23 05:10 • (MS) R4017506-4 12/27/23 07:06 • (MSD) R4017506-5 12/27/23 07:29

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 %
Acetone	25.0	ND	ND	ND	122	119	1	10.0-160			2.32	35
Acrolein	25.0	ND	66.9	62.9	268	252	1	10.0-160	J5	J5	6.16	39
Acrylonitrile	25.0	ND	29.4	27.8	118	111	1	21.0-160			5.59	32
Benzene	5.00	1.30	7.72	6.87	128	111	1	17.0-158			11.7	27
Bromobenzene	5.00	ND	6.02	5.50	120	110	1	30.0-149			9.03	28
Bromodichloromethane	5.00	ND	6.11	5.65	122	113	1	31.0-150			7.82	27
Bromoform	5.00	ND	6.52	6.33	130	127	1	29.0-150			2.96	29
Bromomethane	5.00	ND	ND	ND	25.8	25.4	1	10.0-160			1.56	38
n-Butylbenzene	5.00	ND	6.52	5.54	130	111	1	31.0-150			16.3	30
sec-Butylbenzene	5.00	ND	6.92	5.93	138	119	1	33.0-155			15.4	29
tert-Butylbenzene	5.00	ND	6.26	5.25	125	105	1	34.0-153			17.5	28
Carbon tetrachloride	5.00	ND	6.52	5.55	130	111	1	23.0-159			16.1	28

L1691009-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1691009-03 12/27/23 05:10 • (MS) R4017506-4 12/27/23 07:06 • (MSD) R4017506-5 12/27/23 07:29

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 %
Chlorobenzene	5.00	ND	6.68	5.93	134	119	1	33.0-152			11.9	27
Chlorodibromomethane	5.00	ND	6.84	6.41	137	128	1	37.0-149			6.49	27
Chloroethane	5.00	ND	ND	ND	55.2	44.0	1	10.0-160			22.6	30
Chloroform	5.00	ND	6.37	5.59	127	112	1	29.0-154			13.0	28
Chloromethane	5.00	ND	4.18	3.73	83.6	74.6	1	10.0-160			11.4	29
2-Chlorotoluene	5.00	ND	6.02	5.20	120	104	1	32.0-153			14.6	28
4-Chlorotoluene	5.00	ND	6.11	5.40	122	108	1	32.0-150			12.3	28
1,2-Dibromo-3-Chloropropane	5.00	ND	6.02	5.32	120	106	1	22.0-151			12.3	34
1,2-Dibromoethane	5.00	ND	6.84	6.42	137	128	1	34.0-147			6.33	27
Dibromomethane	5.00	ND	6.22	5.93	124	119	1	30.0-151			4.77	27
1,2-Dichlorobenzene	5.00	ND	6.97	6.41	139	128	1	34.0-149			8.37	28
1,3-Dichlorobenzene	5.00	ND	6.62	6.06	132	121	1	36.0-146			8.83	27
1,4-Dichlorobenzene	5.00	ND	6.77	6.24	130	120	1	35.0-142			8.15	27
Dichlorodifluoromethane	5.00	ND	5.46	ND	109	94.6	1	10.0-160			14.3	29
1,1-Dichloroethane	5.00	ND	5.61	4.95	112	99.0	1	25.0-158			12.5	27
1,2-Dichloroethane	5.00	ND	6.25	5.87	119	111	1	29.0-151			6.27	27
1,1-Dichloroethene	5.00	ND	6.43	5.32	129	106	1	11.0-160			18.9	29
cis-1,2-Dichloroethene	5.00	ND	6.44	5.77	129	115	1	10.0-160			11.0	27
trans-1,2-Dichloroethene	5.00	ND	5.85	5.30	117	106	1	17.0-153			9.87	27
1,2-Dichloropropane	5.00	1.58	7.57	7.28	120	114	1	30.0-156			3.91	27
1,1-Dichloropropene	5.00	ND	5.76	4.89	115	97.8	1	25.0-158			16.3	27
1,3-Dichloropropane	5.00	ND	6.51	6.08	130	122	1	38.0-147			6.83	27
cis-1,3-Dichloropropene	5.00	ND	5.59	5.10	112	102	1	34.0-149			9.17	28
trans-1,3-Dichloropropene	5.00	ND	5.85	5.50	117	110	1	32.0-149			6.17	28
2,2-Dichloropropane	5.00	ND	6.00	5.02	120	100	1	24.0-152			17.8	29
Di-isopropyl ether	5.00	ND	6.13	5.72	123	114	1	21.0-160			6.92	28
Ethylbenzene	5.00	ND	6.33	5.53	127	111	1	30.0-155			13.5	27
Hexachloro-1,3-butadiene	5.00	ND	7.40	6.81	148	136	1	20.0-154			8.30	34
Isopropylbenzene	5.00	ND	6.73	5.79	132	113	1	28.0-157			15.0	27
p-Isopropyltoluene	5.00	ND	6.60	5.54	132	111	1	30.0-154			17.5	29
2-Butanone (MEK)	25.0	ND	30.2	34.3	121	137	1	10.0-160			12.7	32
Methylene Chloride	5.00	ND	6.03	5.49	121	110	1	23.0-144			9.37	28
4-Methyl-2-pentanone (MIBK)	25.0	ND	29.4	28.4	118	114	1	29.0-160			3.46	29
Methyl tert-butyl ether	5.00	ND	6.19	6.04	124	121	1	28.0-150			2.45	29
Naphthalene	5.00	ND	ND	ND	94.2	81.8	1	12.0-156			14.1	35
n-Propylbenzene	5.00	ND	6.23	5.23	125	105	1	31.0-154			17.5	28
Styrene	5.00	ND	6.17	5.28	123	106	1	33.0-155			15.5	28
1,1,1,2-Tetrachloroethane	5.00	ND	6.94	6.32	139	126	1	36.0-151			9.35	29
1,1,2,2-Tetrachloroethane	5.00	ND	6.60	6.25	132	125	1	33.0-150			5.45	28
Tetrachloroethene	5.00	ND	6.91	5.87	138	117	1	10.0-160			16.3	27

L1691009-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1691009-03 12/27/23 05:10 • (MS) R4017506-4 12/27/23 07:06 • (MSD) R4017506-5 12/27/23 07:29

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 %
Toluene	5.00	ND	6.27	5.35	125	107	1	26.0-154			15.8	28
1,2,3-Trichlorobenzene	5.00	ND	6.36	5.63	127	113	1	17.0-150			12.2	36
1,2,4-Trichlorobenzene	5.00	ND	7.07	6.40	126	112	1	24.0-150			9.95	33
1,1,1-Trichloroethane	5.00	ND	6.44	5.44	129	109	1	23.0-160			16.8	28
1,1,2-Trichloroethane	5.00	ND	6.75	6.24	135	125	1	35.0-147			7.85	27
Trichloroethene	5.00	ND	6.44	5.53	129	111	1	10.0-160			15.2	25
Trichlorofluoromethane	5.00	ND	ND	ND	84.2	68.8	1	17.0-160			20.1	31
1,2,3-Trichloropropane	5.00	ND	6.62	6.14	132	123	1	34.0-151			7.52	29
1,2,4-Trimethylbenzene	5.00	ND	6.25	5.37	125	107	1	26.0-154			15.1	27
1,3,5-Trimethylbenzene	5.00	ND	6.27	5.38	125	108	1	28.0-153			15.3	27
Vinyl chloride	5.00	ND	3.81	3.07	76.2	61.4	1	10.0-160			21.5	27
Xylenes, Total	15.0	ND	19.1	16.5	127	110	1	29.0-154			14.6	28
(S) Toluene-d8					*101*	*101*		*80.0-120*				
(S) 4-Bromofluorobenzene					*102*	*96.9*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*91.3*	*90.5*		*70.0-130*				

Method Blank (MB)

(MB) R4018685-2 12/29/23 11:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333

Method Blank (MB)

(MB) R4018685-2 12/29/23 11:40

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	*53.2*			*12.0-120*
(S) Phenol-d5	*48.0*			*10.0-120*
(S) Nitrobenzene-d5	*48.0*			*10.0-122*
(S) 2-Fluorobiphenyl	*53.8*			*15.0-120*
(S) 2,4,6-Tribromophenol	*48.0*			*10.0-127*
(S) p-Terphenyl-d14	*59.8*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4018685-1 12/29/23 11:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.512	76.9	38.0-120	
Acenaphthylene	0.666	0.519	77.9	40.0-120	
Anthracene	0.666	0.537	80.6	42.0-120	
Benzidine	1.33	0.365	27.4	10.0-120	
Benzo(a)anthracene	0.666	0.567	85.1	44.0-120	
Benzo(b)fluoranthene	0.666	0.552	82.9	43.0-120	
Benzo(k)fluoranthene	0.666	0.519	77.9	44.0-120	
Benzo(g,h,i)perylene	0.666	0.563	84.5	43.0-120	
Benzo(a)pyrene	0.666	0.550	82.6	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.408	61.3	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.523	78.5	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.470	70.6	23.0-120	
4-Bromophenyl-phenylether	0.666	0.543	81.5	40.0-120	
2-Chloronaphthalene	0.666	0.510	76.6	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4018685-1 12/29/23 11:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	0.666	0.562	84.4	40.0-120	
Chrysene	0.666	0.547	82.1	43.0-120	
Dibenz(a,h)anthracene	0.666	0.555	83.3	44.0-120	
3,3-Dichlorobenzidine	1.33	0.978	73.5	28.0-120	
2,4-Dinitrotoluene	0.666	0.594	89.2	45.0-120	
2,6-Dinitrotoluene	0.666	0.547	82.1	42.0-120	
Fluoranthene	0.666	0.552	82.9	44.0-120	
Fluorene	0.666	0.532	79.9	41.0-120	
Hexachlorobenzene	0.666	0.522	78.4	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.457	68.6	15.0-120	
Hexachlorocyclopentadiene	0.666	0.477	71.6	15.0-120	
Hexachloroethane	0.666	0.445	66.8	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.524	78.7	45.0-120	
Isophorone	0.666	0.389	58.4	23.0-120	
Naphthalene	0.666	0.408	61.3	18.0-120	
Nitrobenzene	0.666	0.391	58.7	17.0-120	
n-Nitrosodimethylamine	0.666	0.317	47.6	10.0-125	
n-Nitrosodiphenylamine	0.666	0.531	79.7	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.479	71.9	26.0-120	
Phenanthrene	0.666	0.526	79.0	42.0-120	
Benzylbutyl phthalate	0.666	0.575	86.3	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.555	83.3	41.0-120	
Di-n-butyl phthalate	0.666	0.543	81.5	43.0-120	
Diethyl phthalate	0.666	0.548	82.3	43.0-120	
Dimethyl phthalate	0.666	0.559	83.9	43.0-120	
Di-n-octyl phthalate	0.666	0.564	84.7	40.0-120	
Pyrene	0.666	0.556	83.5	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.443	66.5	17.0-120	
4-Chloro-3-methylphenol	0.666	0.458	68.8	28.0-120	
2-Chlorophenol	0.666	0.497	74.6	28.0-120	
2,4-Dichlorophenol	0.666	0.461	69.2	25.0-120	
2,4-Dimethylphenol	0.666	0.446	67.0	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.546	82.0	16.0-120	
2,4-Dinitrophenol	0.666	0.498	74.8	10.0-120	
2-Nitrophenol	0.666	0.474	71.2	20.0-120	
4-Nitrophenol	0.666	0.435	65.3	27.0-120	
Pentachlorophenol	0.666	0.474	71.2	29.0-120	
Phenol	0.666	0.446	67.0	28.0-120	
2,4,6-Trichlorophenol	0.666	0.530	79.6	37.0-120	
(S) 2-Fluorophenol			*76.1*	*12.0-120*	

Laboratory Control Sample (LCS)

(LCS) R4018685-1 12/29/23 11:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*71.0*	*10.0-120*	
(S) Nitrobenzene-d5			*58.9*	*10.0-122*	
(S) 2-Fluorobiphenyl			*79.9*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*79.3*	*10.0-127*	
(S) p-Terphenyl-d14			*84.4*	*10.0-120*	

L1690278-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690278-03 12/29/23 16:53 • (MS) R4018685-3 12/29/23 17:17 • (MSD) R4018685-4 12/29/23 17:41

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.825	ND	0.347	0.377	42.1	45.8	1	18.0-120			8.08	32
Acenaphthylene	0.825	ND	0.345	0.361	41.8	44.0	1	25.0-120			4.68	32
Anthracene	0.825	ND	0.373	0.450	43.4	52.9	1	22.0-120			18.9	29
Benzidine	1.65	ND	ND	ND	6.91	0.000	1	10.0-120	J6	J3 J6	200	40
Benzo(a)anthracene	0.825	0.0634	0.487	0.621	51.4	67.8	1	25.0-120			24.1	29
Benzo(b)fluoranthene	0.825	0.0792	0.456	0.607	45.6	64.2	1	19.0-122			28.5	31
Benzo(k)fluoranthene	0.825	ND	0.372	0.416	42.0	47.6	1	23.0-120			11.3	30
Benzo(g,h,i)perylene	0.825	ND	0.417	0.472	45.8	52.6	1	10.0-120			12.3	33
Benzo(a)pyrene	0.825	0.0607	0.447	0.550	46.8	59.5	1	24.0-120			20.7	30
Bis(2-chlorethoxy)methane	0.825	ND	ND	ND	36.7	37.8	1	10.0-120			2.49	34
Bis(2-chloroethyl)ether	0.825	ND	ND	ND	45.7	50.3	1	10.0-120			9.34	40
2,2-Oxybis(1-Chloropropane)	0.825	ND	ND	ND	40.0	39.9	1	10.0-120			0.387	40
4-Bromophenyl-phenylether	0.825	ND	ND	ND	43.4	46.1	1	27.0-120			5.87	30
2-Chloronaphthalene	0.825	ND	0.341	0.349	41.4	42.4	1	20.0-120			2.21	32
4-Chlorophenyl-phenylether	0.825	ND	ND	ND	44.1	45.4	1	24.0-120			2.42	29
Chrysene	0.825	0.0523	0.466	0.564	50.1	62.2	1	21.0-120			19.0	29
Dibenz(a,h)anthracene	0.825	ND	0.361	0.379	43.8	46.1	1	10.0-120			4.81	32
3,3-Dichlorobenzidine	1.65	ND	0.537	ND	32.5	24.9	1	10.0-120			27.2	34
2,4-Dinitrotoluene	0.825	ND	ND	ND	47.4	48.9	1	30.0-120			2.89	31
2,6-Dinitrotoluene	0.825	ND	ND	ND	44.0	46.0	1	25.0-120			4.12	31
Fluoranthene	0.825	0.130	0.587	0.888	55.4	92.3	1	18.0-126		J3	40.9	32
Fluorene	0.825	ND	0.363	0.388	44.0	47.2	1	25.0-120			6.78	30
Hexachlorobenzene	0.825	ND	ND	ND	41.5	44.1	1	27.0-120			5.78	28
Hexachloro-1,3-butadiene	0.825	ND	ND	ND	41.7	43.7	1	10.0-120			4.35	38
Hexachlorocyclopentadiene	0.825	ND	ND	ND	13.5	12.3	1	10.0-120			10.3	40
Hexachloroethane	0.825	ND	ND	ND	32.6	31.6	1	10.0-120			3.37	40
Indeno(1,2,3-cd)pyrene	0.825	0.0429	0.415	0.482	45.1	53.5	1	10.0-120			15.0	32
Isophorone	0.825	ND	ND	ND	34.9	36.5	1	13.0-120			4.33	34

L1690278-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690278-03 12/29/23 16:53 • (MS) R4018685-3 12/29/23 17:17 • (MSD) R4018685-4 12/29/23 17:41

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.825	ND	0.309	0.322	37.5	39.2	1	10.0-120			4.03	35
Nitrobenzene	0.825	ND	ND	ND	36.4	38.4	1	10.0-120			4.96	36
n-Nitrosodimethylamine	0.825	ND	ND	ND	25.9	27.6	1	10.0-127			5.78	40
n-Nitrosodiphenylamine	0.825	ND	ND	ND	40.0	43.5	1	17.0-120			8.15	29
n-Nitrosodi-n-propylamine	0.825	ND	ND	ND	39.4	40.9	1	10.0-120			3.47	37
Phenanthrene	0.825	0.0676	0.534	0.694	56.6	76.1	1	17.0-120			25.9	31
Benzylbutyl phthalate	0.825	ND	ND	ND	44.9	47.4	1	23.0-120			5.03	30
Bis(2-ethylhexyl)phthalate	0.825	0.632	0.447	0.604	0.000	0.000	1	17.0-126	J6	J6	30.0	30
Di-n-butyl phthalate	0.825	ND	ND	ND	42.3	46.4	1	30.0-120			9.06	29
Diethyl phthalate	0.825	ND	ND	ND	43.1	44.6	1	26.0-120			3.17	28
Dimethyl phthalate	0.825	ND	ND	ND	44.4	44.9	1	25.0-120			0.692	29
Di-n-octyl phthalate	0.825	ND	ND	ND	46.9	50.8	1	21.0-123			7.59	29
Pyrene	0.825	0.106	0.611	0.785	61.2	82.6	1	16.0-121			25.0	32
1,2,4-Trichlorobenzene	0.825	ND	ND	ND	40.6	42.1	1	12.0-120			3.36	37
4-Chloro-3-methylphenol	0.825	ND	ND	ND	41.4	43.3	1	15.0-120			4.38	30
2-Chlorophenol	0.825	ND	ND	ND	43.4	45.2	1	15.0-120			3.84	37
2,4-Dichlorophenol	0.825	ND	ND	ND	42.6	44.7	1	20.0-120			4.60	31
2,4-Dimethylphenol	0.825	ND	ND	ND	47.4	48.6	1	10.0-120			2.25	33
4,6-Dinitro-2-methylphenol	0.825	ND	ND	ND	42.7	43.2	1	10.0-120			0.719	39
2,4-Dinitrophenol	0.825	ND	ND	ND	41.5	42.0	1	10.0-121			0.741	40
2-Nitrophenol	0.825	ND	ND	ND	44.3	46.4	1	12.0-120			4.43	39
4-Nitrophenol	0.825	ND	ND	ND	38.9	39.2	1	10.0-137			0.396	32
Pentachlorophenol	0.825	ND	ND	ND	33.5	34.2	1	10.0-160			1.83	31
Phenol	0.825	ND	ND	ND	37.0	38.5	1	12.0-120			3.68	38
2,4,6-Trichlorophenol	0.825	ND	ND	ND	43.7	44.6	1	19.0-120			1.75	32
(S) 2-Fluorophenol					*44.4*	*45.5*		*12.0-120*				
(S) Phenol-d5					*40.4*	*40.9*		*10.0-120*				
(S) Nitrobenzene-d5					*38.3*	*39.0*		*10.0-122*				
(S) 2-Fluorobiphenyl					*43.8*	*43.7*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*44.6*	*47.5*		*10.0-127*				
(S) p-Terphenyl-d14					*43.2*	*44.9*		*10.0-120*				

Method Blank (MB)

(MB) R4018292-2 12/28/23 22:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333

Method Blank (MB)

(MB) R4018292-2 12/28/23 22:35

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	*41.6*			*12.0-120*
(S) Phenol-d5	*39.6*			*10.0-120*
(S) Nitrobenzene-d5	*36.9*			*10.0-122*
(S) 2-Fluorobiphenyl	*41.1*			*15.0-120*
(S) 2,4,6-Tribromophenol	*35.6*			*10.0-127*
(S) p-Terphenyl-d14	*45.6*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4018292-1 12/28/23 22:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.376	56.5	38.0-120	
Acenaphthylene	0.666	0.378	56.8	40.0-120	
Anthracene	0.666	0.397	59.6	42.0-120	
Benzidine	1.33	0.428	32.2	10.0-120	
Benzo(a)anthracene	0.666	0.423	63.5	44.0-120	
Benzo(b)fluoranthene	0.666	0.426	64.0	43.0-120	
Benzo(k)fluoranthene	0.666	0.400	60.1	44.0-120	
Benzo(g,h,i)perylene	0.666	0.494	74.2	43.0-120	
Benzo(a)pyrene	0.666	0.421	63.2	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.324	48.6	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.331	49.7	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.356	53.5	23.0-120	
4-Bromophenyl-phenylether	0.666	0.366	55.0	40.0-120	
2-Chloronaphthalene	0.666	0.363	54.5	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4018292-1 12/28/23 22:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	0.666	0.374	56.2	40.0-120	
Chrysene	0.666	0.414	62.2	43.0-120	
Dibenz(a,h)anthracene	0.666	0.459	68.9	44.0-120	
3,3-Dichlorobenzidine	1.33	0.772	58.0	28.0-120	
2,4-Dinitrotoluene	0.666	0.426	64.0	45.0-120	
2,6-Dinitrotoluene	0.666	0.402	60.4	42.0-120	
Fluoranthene	0.666	0.393	59.0	44.0-120	
Fluorene	0.666	0.384	57.7	41.0-120	
Hexachlorobenzene	0.666	0.369	55.4	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.303	45.5	15.0-120	
Hexachlorocyclopentadiene	0.666	0.408	61.3	15.0-120	
Hexachloroethane	0.666	0.347	52.1	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.405	60.8	45.0-120	
Isophorone	0.666	0.327	49.1	23.0-120	
Naphthalene	0.666	0.306	45.9	18.0-120	
Nitrobenzene	0.666	0.319	47.9	17.0-120	
n-Nitrosodimethylamine	0.666	0.349	52.4	10.0-125	
n-Nitrosodiphenylamine	0.666	0.375	56.3	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.376	56.5	26.0-120	
Phenanthrene	0.666	0.386	58.0	42.0-120	
Benzylbutyl phthalate	0.666	0.441	66.2	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.466	70.0	41.0-120	
Di-n-butyl phthalate	0.666	0.412	61.9	43.0-120	
Diethyl phthalate	0.666	0.421	63.2	43.0-120	
Dimethyl phthalate	0.666	0.406	61.0	43.0-120	
Di-n-octyl phthalate	0.666	0.439	65.9	40.0-120	
Pyrene	0.666	0.415	62.3	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.309	46.4	17.0-120	
4-Chloro-3-methylphenol	0.666	0.317	47.6	28.0-120	
2-Chlorophenol	0.666	0.366	55.0	28.0-120	
2,4-Dichlorophenol	0.666	0.296	44.4	25.0-120	
2,4-Dimethylphenol	0.666	0.419	62.9	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.334	50.2	16.0-120	
2,4-Dinitrophenol	0.666	0.280	42.0	10.0-120	
2-Nitrophenol	0.666	0.342	51.4	20.0-120	
4-Nitrophenol	0.666	0.342	51.4	27.0-120	
Pentachlorophenol	0.666	0.321	48.2	29.0-120	
Phenol	0.666	0.341	51.2	28.0-120	
2,4,6-Trichlorophenol	0.666	0.352	52.9	37.0-120	
(S) 2-Fluorophenol			*59.2*	*12.0-120*	

Laboratory Control Sample (LCS)

(LCS) R4018292-1 12/28/23 22:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*56.5*	*10.0-120*	
(S) Nitrobenzene-d5			*43.2*	*10.0-122*	
(S) 2-Fluorobiphenyl			*56.8*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*56.8*	*10.0-127*	
(S) p-Terphenyl-d14			*64.0*	*10.0-120*	

L1690311-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690311-08 12/29/23 04:18 • (MS) R4018292-3 12/29/23 04:38 • (MSD) R4018292-4 12/29/23 04:58

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.774	ND	0.338	0.347	43.7	44.9	1	18.0-120			2.71	32
Acenaphthylene	0.774	ND	0.337	0.349	43.5	45.0	1	25.0-120			3.39	32
Anthracene	0.774	ND	0.363	0.374	46.8	48.3	1	22.0-120			3.15	29
Benzidine	1.55	ND	ND	ND	7.89	9.10	1	10.0-120	J6	J6	14.2	40
Benzo(a)anthracene	0.774	ND	0.385	0.399	49.7	51.5	1	25.0-120			3.56	29
Benzo(b)fluoranthene	0.774	ND	0.395	0.410	51.1	53.0	1	19.0-122			3.75	31
Benzo(k)fluoranthene	0.774	ND	0.387	0.394	50.0	50.9	1	23.0-120			1.79	30
Benzo(g,h,i)perylene	0.774	ND	0.245	0.263	31.7	33.9	1	10.0-120			6.86	33
Benzo(a)pyrene	0.774	ND	0.387	0.400	50.0	51.7	1	24.0-120			3.25	30
Bis(2-chlorethoxy)methane	0.774	ND	ND	ND	37.7	39.2	1	10.0-120			3.91	34
Bis(2-chloroethyl)ether	0.774	ND	ND	ND	38.3	38.9	1	10.0-120			1.56	40
2,2-Oxybis(1-Chloropropane)	0.774	ND	ND	ND	39.5	39.6	1	10.0-120			0.380	40
4-Bromophenyl-phenylether	0.774	ND	ND	ND	41.3	44.3	1	27.0-120			7.02	30
2-Chloronaphthalene	0.774	ND	0.313	0.321	40.4	41.4	1	20.0-120			2.57	32
4-Chlorophenyl-phenylether	0.774	ND	ND	ND	43.4	45.2	1	24.0-120			4.07	29
Chrysene	0.774	ND	0.373	0.386	48.2	49.8	1	21.0-120			3.37	29
Dibenz(a,h)anthracene	0.774	ND	0.289	0.311	37.4	40.2	1	10.0-120			7.35	32
3,3-Dichlorobenzidine	1.55	ND	0.644	0.712	41.7	46.1	1	10.0-120			10.1	34
2,4-Dinitrotoluene	0.774	ND	ND	0.395	49.8	51.1	1	30.0-120			2.38	31
2,6-Dinitrotoluene	0.774	ND	ND	ND	46.4	48.6	1	25.0-120			4.74	31
Fluoranthene	0.774	ND	0.363	0.373	46.8	48.2	1	18.0-126			2.84	32
Fluorene	0.774	ND	0.344	0.354	44.4	45.8	1	25.0-120			3.00	30
Hexachlorobenzene	0.774	ND	ND	ND	42.2	43.5	1	27.0-120			3.15	28
Hexachloro-1,3-butadiene	0.774	ND	ND	ND	32.9	34.5	1	10.0-120			4.90	38
Hexachlorocyclopentadiene	0.774	ND	ND	ND	27.2	27.3	1	10.0-120			0.551	40
Hexachloroethane	0.774	ND	ND	ND	36.2	37.2	1	10.0-120			2.86	40
Indeno(1,2,3-cd)pyrene	0.774	ND	0.246	0.265	31.8	34.2	1	10.0-120			7.27	32
Isophorone	0.774	ND	ND	ND	37.7	38.6	1	13.0-120			2.36	34

L1690311-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690311-08 12/29/23 04:18 • (MS) R4018292-3 12/29/23 04:38 • (MSD) R4018292-4 12/29/23 04:58

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.774	ND	0.270	0.278	34.8	35.9	1	10.0-120			2.97	35
Nitrobenzene	0.774	ND	ND	ND	36.6	36.9	1	10.0-120			0.816	36
n-Nitrosodimethylamine	0.774	ND	ND	ND	36.6	38.3	1	10.0-127			4.41	40
n-Nitrosodiphenylamine	0.774	ND	ND	ND	40.8	42.3	1	17.0-120			3.61	29
n-Nitrosodi-n-propylamine	0.774	ND	ND	ND	42.8	42.6	1	10.0-120			0.351	37
Phenanthrene	0.774	ND	0.356	0.364	45.9	47.0	1	17.0-120			2.26	31
Benzylbutyl phthalate	0.774	ND	0.408	0.421	52.7	54.4	1	23.0-120			3.09	30
Bis(2-ethylhexyl)phthalate	0.774	ND	0.425	0.433	55.0	56.0	1	17.0-126			1.89	30
Di-n-butyl phthalate	0.774	ND	ND	0.390	49.4	50.5	1	30.0-120			2.11	29
Diethyl phthalate	0.774	ND	ND	0.388	48.9	50.2	1	26.0-120			2.42	28
Dimethyl phthalate	0.774	ND	ND	ND	46.5	47.7	1	25.0-120			2.55	29
Di-n-octyl phthalate	0.774	ND	0.415	0.426	53.6	55.1	1	21.0-123			2.76	29
Pyrene	0.774	ND	0.373	0.381	48.2	49.2	1	16.0-121			2.16	32
1,2,4-Trichlorobenzene	0.774	ND	ND	ND	34.7	35.4	1	12.0-120			2.14	37
4-Chloro-3-methylphenol	0.774	ND	ND	ND	37.2	38.4	1	15.0-120			3.17	30
2-Chlorophenol	0.774	ND	ND	ND	40.4	41.6	1	15.0-120			2.93	37
2,4-Dichlorophenol	0.774	ND	ND	ND	37.4	37.8	1	20.0-120			1.20	31
2,4-Dimethylphenol	0.774	ND	ND	ND	27.0	24.6	1	10.0-120			9.30	33
4,6-Dinitro-2-methylphenol	0.774	ND	ND	ND	25.2	25.7	1	10.0-120			1.77	39
2,4-Dinitrophenol	0.774	ND	ND	ND	27.2	26.9	1	10.0-121			1.11	40
2-Nitrophenol	0.774	ND	ND	ND	40.8	41.9	1	12.0-120			2.54	39
4-Nitrophenol	0.774	ND	ND	ND	43.1	44.7	1	10.0-137			3.76	32
Pentachlorophenol	0.774	ND	ND	ND	42.5	43.1	1	10.0-160			1.40	31
Phenol	0.774	ND	ND	ND	37.8	37.7	1	12.0-120			0.398	38
2,4,6-Trichlorophenol	0.774	ND	ND	ND	40.4	40.2	1	19.0-120			0.372	32
(S) 2-Fluorophenol					*45.6*	*45.0*		*12.0-120*				
(S) Phenol-d5					*41.6*	*42.0*		*10.0-120*				
(S) Nitrobenzene-d5					*33.3*	*33.9*		*10.0-122*				
(S) 2-Fluorobiphenyl					*42.3*	*43.8*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*44.3*	*45.3*		*10.0-127*				
(S) p-Terphenyl-d14					*49.5*	*51.4*		*10.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
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.

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

Pres Chk

Report to:
Mr. Jerry Paul

Email To: **jpaul@smeinc.com**

Project Description:
Lyon Park

City/State Collected: Durham, NC

Please Circle: PT MT CT (ET)

Phone: **919-872-2660**

Client Project #
23050630

Lab Project #
SMERLNC-LYONPARK

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

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PBG 2ozClr-NoPres	SPLP/TCLP HOLD 4ozClr-NoPres	TS 4ozClr-NoPres	V8260 40mlAmb-HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr	SVOCs 8270	18 metals 6020 *	Mercury 7471	Hex. Chrom. 7199	Remarks	Sample # (lab only)
822-SB-34	C	SS	0-1	12/19/23	1445	4	X	X	X		X	X	X	X	X		-01
822-SB-35		SS			1440	4	X	X	X		X						-02
822-SB-37		SS			1450	4	X	X	X		X						-03
822-SB-38		SS			1455	4	X	X	X		X						-04
822-SB-39		SS			1500	4	X	X	X		X						-05
822-SB-40		SS			1505	4	X	X	X		X						-06
822-SB-41		SS			1510	4	X	X	X		X						-07
822-SB-42		SS			1515	4	X	X	X		X						-08
822-SB-44		SS			1520	4	X	X	X		X						-09
822-SB-47		SS			1130	4	X	X	X		X						-10
* Matrix: Trip Blank		GW				1				X							

pH _____ Temp _____
Flow _____ Other _____

Remarks:
* 18 metals - Antimony, Arsenic, Barium, Beryllium, Cadmium, chromium, cobalt, copper, lead, manganese, nickel, Selenium, Silver, thallium, Vanadium, Zinc. SPLP / TCLP only

SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 7155 0298 2952

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
CP	12/19/23	1415	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Ej Dawn

Trip Blank Received: (Yes) / No
(HCL) / MeoH
TBR
2

Temp: DPA 8°C Bottles Received:
0.9 + 0 = 0.9 32

Date: 12-20-23 Time: 1000

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 # L1190278

G027

Acctnum: **SMERLNC**
Template: **T243575**
Prelogin: **P1043721**
PM: **034 - Craig Cothron**
PB:
Shipped Via: **FedEx Ground**

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

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)

Pres Chk

Report to:
Mr. Jerry Paul

Email To: **jpaul@smeinc.com**

Project Description:
Lyon Park

City/State Collected: Durham, NC

Please Circle: PT MT CT ET

Phone: **919-872-2660**

Client Project # 23050630

Lab Project # **SMERLNC-LYONPARK**

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

Date Results Needed

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PBG 2ozClr-NoPres	SPLP/TCLP HOLD 4ozClr-NoPres	TS 4ozClr-NoPres	V8260 40mlAmb-HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr	SVOCs 8270	8 metals 6020	Mercury 7471	Hex. Chrom. 7196	Remarks	Sample # (lab only)
822-SB-48	C	SS	0-1'	12/19/23	1135	4	X	X	X		X	X	X	X	X		-11 -12
822-SB-49		SS			1140	4	X	X	X		X						-12 -13
822-SB-50		SS			1145	4	X	X	X		X						-13 -14
822-SB-51		SS			1150	4	X	X	X		X						-14 -15
822-SB-52		SS			1155	4	X	X	X		X						-15 -16
Trip Blank		~~SS~~ GW				~~4~~	~~X~~	~~X~~	~~X~~	X	~~X~~						-16 -17
DUP-SB	C	SS	0-1	12/19/23	-	4	X	X	X		X	X	X	X	X		-17 -18
		SS				4	X	X	X		X						N=
		SS				4	X	X	X		X						12/21/23
		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: * Metals - Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, manganese, nickel, selenium, silver, thallium, vanadium, zinc. SPLP / TCLP on hold

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 7155 0298 2952

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/hubfs/pas-standard-terms.pdf

SDG # L1610278

Table #

Acctnum: **SMERLNC**

Template: **T243575**

Prelogin: **P1043721**

PM: **034 - Craig Cothron**

PB:

Shipped Via: **FedEX Ground**

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeOH TBR	If preservation required by Login: Date/Time
	12/19/23	1415		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.4 A8 °C 4.9 +0 = 4.9	Bottles Received: 32
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Ei Paw 17	Date: 12-20-23	Time: 900 1000

Hold: 12-20-23

Condition: NCF / OK

ANALYTICAL REPORT

January 22, 2024

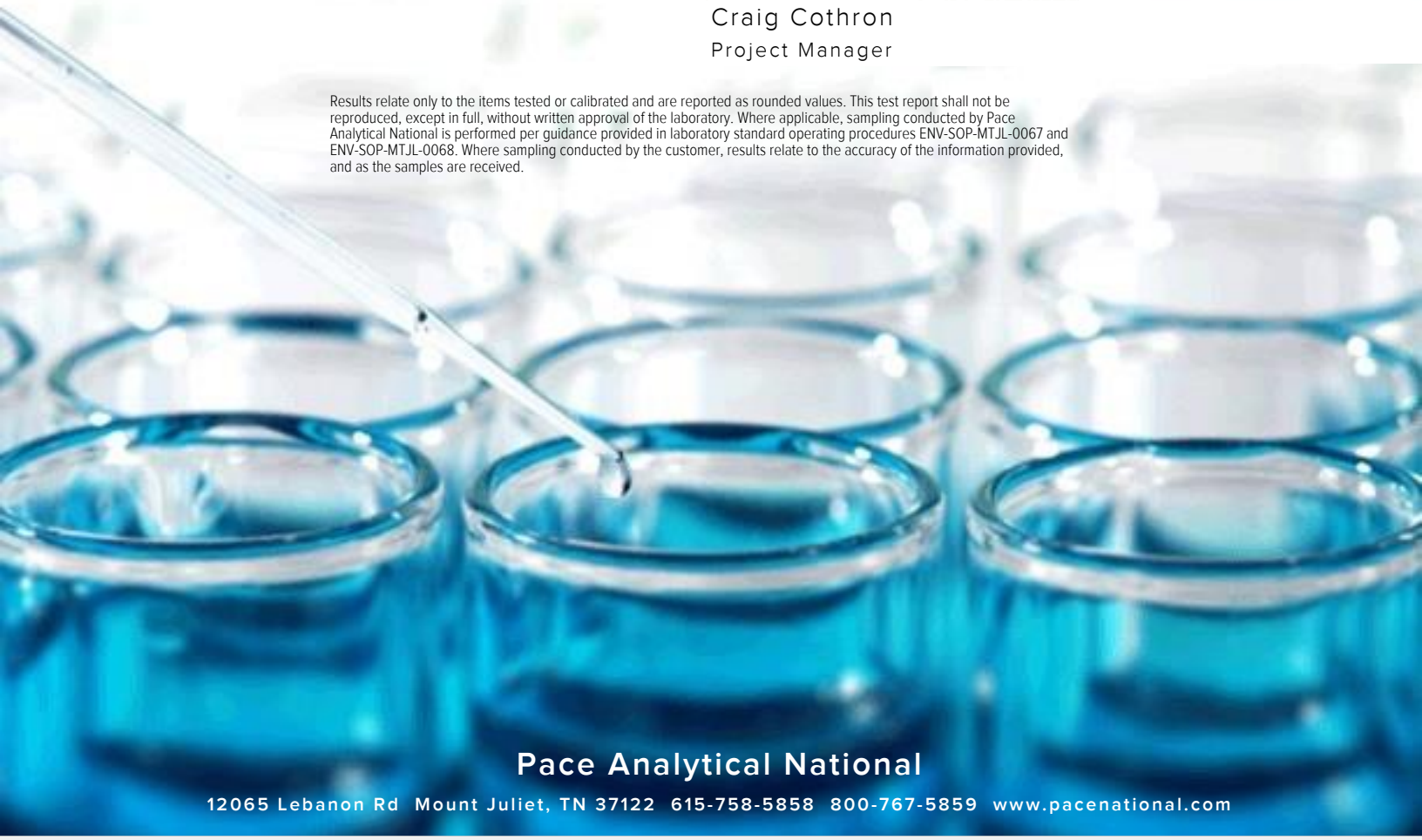
S&ME Inc. - Raleigh NC

Sample Delivery Group:	L1690596
Samples Received:	12/21/2023
Project Number:	23050630
Description:	Lyon 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

TABLE OF CONTENTS

SAMPLE SUMMARY

822-SB-01 L1690596-01 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 09:55 | Received date/time: 12/21/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194518	1	12/22/23 11:15	12/22/23 11:28	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196212	1	12/28/23 13:29	12/30/23 09:20	SJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2195330	1	12/24/23 11:47	12/26/23 16:50	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194558	5	12/23/23 07:17	12/31/23 15:40	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196444	1	12/20/23 09:55	12/27/23 11:19	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194490	1	12/26/23 15:49	12/29/23 20:02	AMG	Mt. Juliet, TN

822-SB-02 L1690596-02 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 10:00 | Received date/time: 12/21/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194518	1	12/22/23 11:15	12/22/23 11:28	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196212	1	12/28/23 13:29	12/30/23 09:27	SJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2195330	1	12/24/23 11:47	12/26/23 16:52	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194558	5	12/23/23 07:17	12/31/23 15:43	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196444	1.02	12/20/23 10:00	12/27/23 11:38	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194490	1	12/26/23 15:49	12/29/23 20:23	AMG	Mt. Juliet, TN

822-SB-03 L1690596-03 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 10:05 | Received date/time: 12/21/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194519	1	12/22/23 10:51	12/22/23 11:13	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196212	1	12/28/23 13:29	12/30/23 09:33	SJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2195330	1	12/24/23 11:47	12/26/23 16:55	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2194558	5	12/23/23 07:17	12/31/23 15:47	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196444	1	12/20/23 10:05	12/27/23 11:57	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194490	1	12/26/23 15:49	12/29/23 15:02	AMG	Mt. Juliet, TN

822-SB-04 L1690596-04 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 10:30 | Received date/time: 12/21/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194519	1	12/22/23 10:51	12/22/23 11:13	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196212	1	12/28/23 13:29	12/30/23 09:39	SJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2195330	1	12/24/23 11:47	12/26/23 16:57	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2208654	5	01/18/24 10:55	01/21/24 16:04	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196444	1.08	12/20/23 10:30	12/27/23 12:16	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194490	1	12/26/23 15:49	12/29/23 15:24	AMG	Mt. Juliet, TN

822-SB-05 L1690596-05 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 10:35 | Received date/time: 12/21/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194519	1	12/22/23 10:51	12/22/23 11:13	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196212	1	12/28/23 13:29	12/30/23 09:45	SJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2195330	1	12/24/23 11:47	12/26/23 17:00	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2208654	5	01/18/24 10:55	01/21/24 16:07	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2199616	1	12/20/23 10:35	01/03/24 02:52	KSD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2194490	1	12/26/23 15:49	12/29/23 15:45	AMG	Mt. Juliet, TN

822-SB-10 L1690596-06 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 11:15 | Received date/time: 12/21/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194519	1	12/22/23 10:51	12/22/23 11:13	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196212	1	12/28/23 13:29	12/30/23 09:51	SJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2195330	1	12/24/23 11:47	12/26/23 17:02	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2208654	5	01/18/24 10:55	01/21/24 16:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196444	1	12/20/23 11:15	12/27/23 12:34	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196005	1	12/27/23 08:35	12/31/23 00:34	HLA	Mt. Juliet, TN

822-SB-11 L1690596-07 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 11:20 | Received date/time: 12/21/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194519	1	12/22/23 10:51	12/22/23 11:13	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196212	1	12/28/23 13:29	12/30/23 09:58	SJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2195330	1	12/24/23 11:47	12/26/23 17:05	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2208654	10	01/18/24 10:55	01/21/24 17:32	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2208654	5	01/18/24 10:55	01/21/24 16:14	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196444	1	12/20/23 11:20	12/27/23 13:31	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196005	1	12/27/23 08:35	12/31/23 00:54	HLA	Mt. Juliet, TN

822-SB-12 L1690596-08 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 11:35 | Received date/time: 12/21/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194519	1	12/22/23 10:51	12/22/23 11:13	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196212	1	12/28/23 13:29	12/30/23 10:16	SJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2195330	1	12/24/23 11:47	12/26/23 17:12	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2208654	5	01/18/24 10:55	01/21/24 12:46	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196444	1	12/20/23 11:35	12/27/23 13:50	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196005	1	12/27/23 08:35	12/31/23 01:14	HLA	Mt. Juliet, TN

822-SB-13 L1690596-09 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 11:40 | Received date/time: 12/21/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194519	1	12/22/23 10:51	12/22/23 11:13	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196212	1	12/28/23 13:29	12/30/23 10:22	SJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2195330	1	12/24/23 11:47	12/26/23 17:15	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2208654	5	01/18/24 10:55	01/21/24 16:17	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196444	1.04	12/20/23 11:40	12/27/23 14:09	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196008	1	12/27/23 05:27	12/29/23 21:49	AMG	Mt. Juliet, TN

822-SB-14 L1690596-10 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 11:45 | Received date/time: 12/21/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2194519	1	12/22/23 10:51	12/22/23 11:13	MT	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196212	1	12/28/23 13:29	12/30/23 10:29	SJC	Mt. Juliet, TN
Mercury by Method 7471B	WG2195330	1	12/24/23 11:47	12/26/23 17:17	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2208654	5	01/18/24 10:55	01/21/24 16:20	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196444	1	12/20/23 11:45	12/27/23 14:28	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196008	5	12/27/23 05:27	12/29/23 22:32	AMG	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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.9		1	12/22/2023 11:28	WG2194518

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	12/30/2023 09:20	WG2196212

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.382		0.0488	1	12/26/2023 16:50	WG2195330

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.66	5	12/31/2023 15:40	WG2194558
Arsenic	5.32		1.22	5	12/31/2023 15:40	WG2194558
Barium	194		3.05	5	12/31/2023 15:40	WG2194558
Beryllium	ND		3.05	5	12/31/2023 15:40	WG2194558
Cadmium	ND		1.22	5	12/31/2023 15:40	WG2194558
Chromium	25.5		6.10	5	12/31/2023 15:40	WG2194558
Cobalt	8.17		1.22	5	12/31/2023 15:40	WG2194558
Copper	174		6.10	5	12/31/2023 15:40	WG2194558
Lead	626		2.44	5	12/31/2023 15:40	WG2194558
Manganese	448		3.05	5	12/31/2023 15:40	WG2194558
Nickel	19.5		3.05	5	12/31/2023 15:40	WG2194558
Selenium	ND		3.05	5	12/31/2023 15:40	WG2194558
Silver	ND		0.610	5	12/31/2023 15:40	WG2194558
Thallium	ND		2.44	5	12/31/2023 15:40	WG2194558
Vanadium	28.8		3.05	5	12/31/2023 15:40	WG2194558
Zinc	386		30.5	5	12/31/2023 15:40	WG2194558

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		0.0726	1	12/27/2023 11:19	WG2196444
Acrylonitrile	ND		0.0182	1	12/27/2023 11:19	WG2196444
Benzene	ND		0.00145	1	12/27/2023 11:19	WG2196444
Bromobenzene	ND		0.0182	1	12/27/2023 11:19	WG2196444
Bromodichloromethane	ND		0.00363	1	12/27/2023 11:19	WG2196444
Bromoform	ND		0.0363	1	12/27/2023 11:19	WG2196444
Bromomethane	ND		0.0182	1	12/27/2023 11:19	WG2196444
n-Butylbenzene	ND		0.0182	1	12/27/2023 11:19	WG2196444
sec-Butylbenzene	ND		0.0182	1	12/27/2023 11:19	WG2196444
tert-Butylbenzene	ND		0.00726	1	12/27/2023 11:19	WG2196444
Carbon tetrachloride	ND		0.00726	1	12/27/2023 11:19	WG2196444
Chlorobenzene	ND		0.00363	1	12/27/2023 11:19	WG2196444
Chlorodibromomethane	ND		0.00363	1	12/27/2023 11:19	WG2196444
Chloroethane	ND		0.00726	1	12/27/2023 11:19	WG2196444
Chloroform	ND		0.00363	1	12/27/2023 11:19	WG2196444
Chloromethane	ND	J4	0.0182	1	12/27/2023 11:19	WG2196444
2-Chlorotoluene	ND		0.00363	1	12/27/2023 11:19	WG2196444
4-Chlorotoluene	ND		0.00726	1	12/27/2023 11:19	WG2196444
1,2-Dibromo-3-Chloropropane	ND		0.0363	1	12/27/2023 11:19	WG2196444

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	12/27/2023 11:19	WG2196444
Dibromomethane	ND		0.00726	1	12/27/2023 11:19	WG2196444
1,2-Dichlorobenzene	ND		0.00726	1	12/27/2023 11:19	WG2196444
1,3-Dichlorobenzene	ND		0.00726	1	12/27/2023 11:19	WG2196444
1,4-Dichlorobenzene	ND		0.00726	1	12/27/2023 11:19	WG2196444
Dichlorodifluoromethane	ND		0.00726	1	12/27/2023 11:19	WG2196444
1,1-Dichloroethane	ND		0.00363	1	12/27/2023 11:19	WG2196444
1,2-Dichloroethane	ND		0.00363	1	12/27/2023 11:19	WG2196444
1,1-Dichloroethene	ND		0.00363	1	12/27/2023 11:19	WG2196444
cis-1,2-Dichloroethene	ND		0.00363	1	12/27/2023 11:19	WG2196444
trans-1,2-Dichloroethene	ND		0.00726	1	12/27/2023 11:19	WG2196444
1,2-Dichloropropane	ND		0.00726	1	12/27/2023 11:19	WG2196444
1,1-Dichloropropene	ND		0.00363	1	12/27/2023 11:19	WG2196444
1,3-Dichloropropane	ND		0.00726	1	12/27/2023 11:19	WG2196444
cis-1,3-Dichloropropene	ND		0.00363	1	12/27/2023 11:19	WG2196444
trans-1,3-Dichloropropene	ND		0.00726	1	12/27/2023 11:19	WG2196444
2,2-Dichloropropane	ND		0.00363	1	12/27/2023 11:19	WG2196444
Di-isopropyl ether	ND		0.00145	1	12/27/2023 11:19	WG2196444
Ethylbenzene	ND		0.00363	1	12/27/2023 11:19	WG2196444
Hexachloro-1,3-butadiene	ND		0.0363	1	12/27/2023 11:19	WG2196444
Isopropylbenzene	ND		0.00363	1	12/27/2023 11:19	WG2196444
p-Isopropyltoluene	ND		0.00726	1	12/27/2023 11:19	WG2196444
2-Butanone (MEK)	ND		0.145	1	12/27/2023 11:19	WG2196444
Methylene Chloride	ND		0.0363	1	12/27/2023 11:19	WG2196444
4-Methyl-2-pentanone (MIBK)	ND		0.0363	1	12/27/2023 11:19	WG2196444
Methyl tert-butyl ether	ND		0.00145	1	12/27/2023 11:19	WG2196444
Naphthalene	ND		0.0182	1	12/27/2023 11:19	WG2196444
n-Propylbenzene	ND		0.00726	1	12/27/2023 11:19	WG2196444
Styrene	ND		0.0182	1	12/27/2023 11:19	WG2196444
1,1,1,2-Tetrachloroethane	ND		0.00363	1	12/27/2023 11:19	WG2196444
1,1,2,2-Tetrachloroethane	ND		0.00363	1	12/27/2023 11:19	WG2196444
Tetrachloroethene	ND		0.00363	1	12/27/2023 11:19	WG2196444
Toluene	0.0122		0.00726	1	12/27/2023 11:19	WG2196444
1,2,3-Trichlorobenzene	ND		0.0182	1	12/27/2023 11:19	WG2196444
1,2,4-Trichlorobenzene	ND		0.0182	1	12/27/2023 11:19	WG2196444
1,1,1-Trichloroethane	ND		0.00363	1	12/27/2023 11:19	WG2196444
1,1,2-Trichloroethane	ND		0.00363	1	12/27/2023 11:19	WG2196444
Trichloroethene	ND		0.00145	1	12/27/2023 11:19	WG2196444
Trichlorofluoromethane	ND		0.00363	1	12/27/2023 11:19	WG2196444
1,2,3-Trichloropropane	ND		0.0182	1	12/27/2023 11:19	WG2196444
1,2,4-Trimethylbenzene	ND		0.00726	1	12/27/2023 11:19	WG2196444
1,3,5-Trimethylbenzene	ND		0.00726	1	12/27/2023 11:19	WG2196444
Vinyl chloride	ND	J4	0.00363	1	12/27/2023 11:19	WG2196444
Xylenes, Total	0.0127		0.00944	1	12/27/2023 11:19	WG2196444
(S) Toluene-d8	*102*		*75.0-131*		*12/27/2023 11:19*	WG2196444
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*12/27/2023 11:19*	WG2196444
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*12/27/2023 11:19*	WG2196444

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	12/29/2023 20:02	WG2194490
Acenaphthylene	ND		0.0406	1	12/29/2023 20:02	WG2194490
Anthracene	ND		0.0406	1	12/29/2023 20:02	WG2194490
Benzidine	ND		2.04	1	12/29/2023 20:02	WG2194490
Benzo(a)anthracene	0.156		0.0406	1	12/29/2023 20:02	WG2194490

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	0.205		0.0406	1	12/29/2023 20:02	WG2194490
Benzo(k)fluoranthene	0.0601		0.0406	1	12/29/2023 20:02	WG2194490
Benzo(g,h,i)perylene	0.0992		0.0406	1	12/29/2023 20:02	WG2194490
Benzo(a)pyrene	0.157		0.0406	1	12/29/2023 20:02	WG2194490
Bis(2-chlorethoxy)methane	ND		0.406	1	12/29/2023 20:02	WG2194490
Bis(2-chloroethyl)ether	ND		0.406	1	12/29/2023 20:02	WG2194490
2,2-Oxybis(1-Chloropropane)	ND		0.406	1	12/29/2023 20:02	WG2194490
4-Bromophenyl-phenylether	ND		0.406	1	12/29/2023 20:02	WG2194490
2-Chloronaphthalene	ND		0.0406	1	12/29/2023 20:02	WG2194490
4-Chlorophenyl-phenylether	ND		0.406	1	12/29/2023 20:02	WG2194490
Chrysene	0.177		0.0406	1	12/29/2023 20:02	WG2194490
Dibenz(a,h)anthracene	ND		0.0406	1	12/29/2023 20:02	WG2194490
3,3-Dichlorobenzidine	ND		0.406	1	12/29/2023 20:02	WG2194490
2,4-Dinitrotoluene	ND		0.406	1	12/29/2023 20:02	WG2194490
2,6-Dinitrotoluene	ND		0.406	1	12/29/2023 20:02	WG2194490
Fluoranthene	0.249		0.0406	1	12/29/2023 20:02	WG2194490
Fluorene	ND		0.0406	1	12/29/2023 20:02	WG2194490
Hexachlorobenzene	ND		0.406	1	12/29/2023 20:02	WG2194490
Hexachloro-1,3-butadiene	ND		0.406	1	12/29/2023 20:02	WG2194490
Hexachlorocyclopentadiene	ND		0.406	1	12/29/2023 20:02	WG2194490
Hexachloroethane	ND		0.406	1	12/29/2023 20:02	WG2194490
Indeno(1,2,3-cd)pyrene	0.0940		0.0406	1	12/29/2023 20:02	WG2194490
Isophorone	ND		0.406	1	12/29/2023 20:02	WG2194490
Naphthalene	ND		0.0406	1	12/29/2023 20:02	WG2194490
Nitrobenzene	ND		0.406	1	12/29/2023 20:02	WG2194490
n-Nitrosodimethylamine	ND		0.406	1	12/29/2023 20:02	WG2194490
n-Nitrosodiphenylamine	ND		0.406	1	12/29/2023 20:02	WG2194490
n-Nitrosodi-n-propylamine	ND		0.406	1	12/29/2023 20:02	WG2194490
Phenanthrene	0.0933		0.0406	1	12/29/2023 20:02	WG2194490
Benzylbutyl phthalate	ND		0.406	1	12/29/2023 20:02	WG2194490
Bis(2-ethylhexyl)phthalate	ND		0.406	1	12/29/2023 20:02	WG2194490
Di-n-butyl phthalate	ND		0.406	1	12/29/2023 20:02	WG2194490
Diethyl phthalate	ND		0.406	1	12/29/2023 20:02	WG2194490
Dimethyl phthalate	ND		0.406	1	12/29/2023 20:02	WG2194490
Di-n-octyl phthalate	ND		0.406	1	12/29/2023 20:02	WG2194490
Pyrene	0.260		0.0406	1	12/29/2023 20:02	WG2194490
1,2,4-Trichlorobenzene	ND		0.406	1	12/29/2023 20:02	WG2194490
4-Chloro-3-methylphenol	ND		0.406	1	12/29/2023 20:02	WG2194490
2-Chlorophenol	ND		0.406	1	12/29/2023 20:02	WG2194490
2,4-Dichlorophenol	ND		0.406	1	12/29/2023 20:02	WG2194490
2,4-Dimethylphenol	ND		0.406	1	12/29/2023 20:02	WG2194490
4,6-Dinitro-2-methylphenol	ND		0.406	1	12/29/2023 20:02	WG2194490
2,4-Dinitrophenol	ND		0.406	1	12/29/2023 20:02	WG2194490
2-Nitrophenol	ND		0.406	1	12/29/2023 20:02	WG2194490
4-Nitrophenol	ND		0.406	1	12/29/2023 20:02	WG2194490
Pentachlorophenol	ND		0.406	1	12/29/2023 20:02	WG2194490
Phenol	ND		0.406	1	12/29/2023 20:02	WG2194490
2,4,6-Trichlorophenol	ND		0.406	1	12/29/2023 20:02	WG2194490
(S) 2-Fluorophenol	*46.8*		*12.0-120*		*12/29/2023 20:02*	WG2194490
(S) Phenol-d5	*43.2*		*10.0-120*		*12/29/2023 20:02*	WG2194490
(S) Nitrobenzene-d5	*47.2*		*10.0-122*		*12/29/2023 20:02*	WG2194490
(S) 2-Fluorobiphenyl	*44.9*		*15.0-120*		*12/29/2023 20:02*	WG2194490
(S) 2,4,6-Tribromophenol	*69.5*		*10.0-127*		*12/29/2023 20:02*	WG2194490
(S) p-Terphenyl-d14	*47.5*		*10.0-120*		*12/29/2023 20:02*	WG2194490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	12/22/2023 11:28	WG2194518

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.18		1.16	1	12/30/2023 09:27	WG2196212

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0673		0.0463	1	12/26/2023 16:52	WG2195330

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.48	5	12/31/2023 15:43	WG2194558
Arsenic	7.03		1.16	5	12/31/2023 15:43	WG2194558
Barium	107		2.90	5	12/31/2023 15:43	WG2194558
Beryllium	ND		2.90	5	12/31/2023 15:43	WG2194558
Cadmium	ND		1.16	5	12/31/2023 15:43	WG2194558
Chromium	24.6		5.79	5	12/31/2023 15:43	WG2194558
Cobalt	7.84		1.16	5	12/31/2023 15:43	WG2194558
Copper	32.5		5.79	5	12/31/2023 15:43	WG2194558
Lead	94.9		2.32	5	12/31/2023 15:43	WG2194558
Manganese	269		2.90	5	12/31/2023 15:43	WG2194558
Nickel	18.0		2.90	5	12/31/2023 15:43	WG2194558
Selenium	ND		2.90	5	12/31/2023 15:43	WG2194558
Silver	ND		0.579	5	12/31/2023 15:43	WG2194558
Thallium	ND		2.32	5	12/31/2023 15:43	WG2194558
Vanadium	26.7		2.90	5	12/31/2023 15:43	WG2194558
Zinc	175		29.0	5	12/31/2023 15:43	WG2194558

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		0.0670	1.02	12/27/2023 11:38	WG2196444
Acrylonitrile	ND		0.0168	1.02	12/27/2023 11:38	WG2196444
Benzene	0.00134		0.00134	1.02	12/27/2023 11:38	WG2196444
Bromobenzene	ND		0.0168	1.02	12/27/2023 11:38	WG2196444
Bromodichloromethane	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
Bromoform	ND		0.0335	1.02	12/27/2023 11:38	WG2196444
Bromomethane	ND		0.0168	1.02	12/27/2023 11:38	WG2196444
n-Butylbenzene	ND		0.0168	1.02	12/27/2023 11:38	WG2196444
sec-Butylbenzene	ND		0.0168	1.02	12/27/2023 11:38	WG2196444
tert-Butylbenzene	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
Carbon tetrachloride	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
Chlorobenzene	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
Chlorodibromomethane	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
Chloroethane	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
Chloroform	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
Chloromethane	ND	J4	0.0168	1.02	12/27/2023 11:38	WG2196444
2-Chlorotoluene	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
4-Chlorotoluene	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
1,2-Dibromo-3-Chloropropane	ND		0.0335	1.02	12/27/2023 11:38	WG2196444

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	1.02	12/27/2023 11:38	WG2196444
Dibromomethane	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
1,2-Dichlorobenzene	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
1,3-Dichlorobenzene	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
1,4-Dichlorobenzene	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
Dichlorodifluoromethane	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
1,1-Dichloroethane	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
1,2-Dichloroethane	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
1,1-Dichloroethene	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
cis-1,2-Dichloroethene	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
trans-1,2-Dichloroethene	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
1,2-Dichloropropane	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
1,1-Dichloropropene	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
1,3-Dichloropropane	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
cis-1,3-Dichloropropene	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
trans-1,3-Dichloropropene	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
2,2-Dichloropropane	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
Di-isopropyl ether	ND		0.00134	1.02	12/27/2023 11:38	WG2196444
Ethylbenzene	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
Hexachloro-1,3-butadiene	ND		0.0335	1.02	12/27/2023 11:38	WG2196444
Isopropylbenzene	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
p-Isopropyltoluene	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
2-Butanone (MEK)	ND		0.134	1.02	12/27/2023 11:38	WG2196444
Methylene Chloride	ND		0.0335	1.02	12/27/2023 11:38	WG2196444
4-Methyl-2-pentanone (MIBK)	ND		0.0335	1.02	12/27/2023 11:38	WG2196444
Methyl tert-butyl ether	ND		0.00134	1.02	12/27/2023 11:38	WG2196444
Naphthalene	ND		0.0168	1.02	12/27/2023 11:38	WG2196444
n-Propylbenzene	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
Styrene	ND		0.0168	1.02	12/27/2023 11:38	WG2196444
1,1,1,2-Tetrachloroethane	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
1,1,2,2-Tetrachloroethane	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
Tetrachloroethene	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
Toluene	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
1,2,3-Trichlorobenzene	ND		0.0168	1.02	12/27/2023 11:38	WG2196444
1,2,4-Trichlorobenzene	ND		0.0168	1.02	12/27/2023 11:38	WG2196444
1,1,1-Trichloroethane	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
1,1,2-Trichloroethane	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
Trichloroethene	ND		0.00134	1.02	12/27/2023 11:38	WG2196444
Trichlorofluoromethane	ND		0.00335	1.02	12/27/2023 11:38	WG2196444
1,2,3-Trichloropropane	ND		0.0168	1.02	12/27/2023 11:38	WG2196444
1,2,4-Trimethylbenzene	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
1,3,5-Trimethylbenzene	ND		0.00670	1.02	12/27/2023 11:38	WG2196444
Vinyl chloride	ND	J4	0.00335	1.02	12/27/2023 11:38	WG2196444
Xylenes, Total	0.00884		0.00871	1.02	12/27/2023 11:38	WG2196444
(S) Toluene-d8	*102*		*75.0-131*		*12/27/2023 11:38*	WG2196444
(S) 4-Bromofluorobenzene	*97.8*		*67.0-138*		*12/27/2023 11:38*	WG2196444
(S) 1,2-Dichloroethane-d4	*109*		*70.0-130*		*12/27/2023 11:38*	WG2196444

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	0.0599		0.0386	1	12/29/2023 20:23	WG2194490
Acenaphthylene	ND		0.0386	1	12/29/2023 20:23	WG2194490
Anthracene	0.189		0.0386	1	12/29/2023 20:23	WG2194490
Benzidine	ND		1.93	1	12/29/2023 20:23	WG2194490
Benzo(a)anthracene	0.587		0.0386	1	12/29/2023 20:23	WG2194490

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	0.665		0.0386	1	12/29/2023 20:23	WG2194490
Benzo(k)fluoranthene	0.210		0.0386	1	12/29/2023 20:23	WG2194490
Benzo(g,h,i)perylene	0.243		0.0386	1	12/29/2023 20:23	WG2194490
Benzo(a)pyrene	0.462		0.0386	1	12/29/2023 20:23	WG2194490
Bis(2-chlorethoxy)methane	ND		0.386	1	12/29/2023 20:23	WG2194490
Bis(2-chloroethyl)ether	ND		0.386	1	12/29/2023 20:23	WG2194490
2,2-Oxybis(1-Chloropropane)	ND		0.386	1	12/29/2023 20:23	WG2194490
4-Bromophenyl-phenylether	ND		0.386	1	12/29/2023 20:23	WG2194490
2-Chloronaphthalene	ND		0.0386	1	12/29/2023 20:23	WG2194490
4-Chlorophenyl-phenylether	ND		0.386	1	12/29/2023 20:23	WG2194490
Chrysene	0.543		0.0386	1	12/29/2023 20:23	WG2194490
Dibenz(a,h)anthracene	0.0693		0.0386	1	12/29/2023 20:23	WG2194490
3,3-Dichlorobenzidine	ND		0.386	1	12/29/2023 20:23	WG2194490
2,4-Dinitrotoluene	ND		0.386	1	12/29/2023 20:23	WG2194490
2,6-Dinitrotoluene	ND		0.386	1	12/29/2023 20:23	WG2194490
Fluoranthene	1.39		0.0386	1	12/29/2023 20:23	WG2194490
Fluorene	0.0487		0.0386	1	12/29/2023 20:23	WG2194490
Hexachlorobenzene	ND		0.386	1	12/29/2023 20:23	WG2194490
Hexachloro-1,3-butadiene	ND		0.386	1	12/29/2023 20:23	WG2194490
Hexachlorocyclopentadiene	ND		0.386	1	12/29/2023 20:23	WG2194490
Hexachloroethane	ND		0.386	1	12/29/2023 20:23	WG2194490
Indeno(1,2,3-cd)pyrene	0.285		0.0386	1	12/29/2023 20:23	WG2194490
Isophorone	ND		0.386	1	12/29/2023 20:23	WG2194490
Naphthalene	ND		0.0386	1	12/29/2023 20:23	WG2194490
Nitrobenzene	ND		0.386	1	12/29/2023 20:23	WG2194490
n-Nitrosodimethylamine	ND		0.386	1	12/29/2023 20:23	WG2194490
n-Nitrosodiphenylamine	ND		0.386	1	12/29/2023 20:23	WG2194490
n-Nitrosodi-n-propylamine	ND		0.386	1	12/29/2023 20:23	WG2194490
Phenanthrene	1.04		0.0386	1	12/29/2023 20:23	WG2194490
Benzylbutyl phthalate	ND		0.386	1	12/29/2023 20:23	WG2194490
Bis(2-ethylhexyl)phthalate	ND		0.386	1	12/29/2023 20:23	WG2194490
Di-n-butyl phthalate	ND		0.386	1	12/29/2023 20:23	WG2194490
Diethyl phthalate	ND		0.386	1	12/29/2023 20:23	WG2194490
Dimethyl phthalate	ND		0.386	1	12/29/2023 20:23	WG2194490
Di-n-octyl phthalate	ND		0.386	1	12/29/2023 20:23	WG2194490
Pyrene	1.02		0.0386	1	12/29/2023 20:23	WG2194490
1,2,4-Trichlorobenzene	ND		0.386	1	12/29/2023 20:23	WG2194490
4-Chloro-3-methylphenol	ND		0.386	1	12/29/2023 20:23	WG2194490
2-Chlorophenol	ND		0.386	1	12/29/2023 20:23	WG2194490
2,4-Dichlorophenol	ND		0.386	1	12/29/2023 20:23	WG2194490
2,4-Dimethylphenol	ND		0.386	1	12/29/2023 20:23	WG2194490
4,6-Dinitro-2-methylphenol	ND		0.386	1	12/29/2023 20:23	WG2194490
2,4-Dinitrophenol	ND		0.386	1	12/29/2023 20:23	WG2194490
2-Nitrophenol	ND		0.386	1	12/29/2023 20:23	WG2194490
4-Nitrophenol	ND		0.386	1	12/29/2023 20:23	WG2194490
Pentachlorophenol	ND		0.386	1	12/29/2023 20:23	WG2194490
Phenol	ND		0.386	1	12/29/2023 20:23	WG2194490
2,4,6-Trichlorophenol	ND		0.386	1	12/29/2023 20:23	WG2194490
(S) 2-Fluorophenol	*42.6*		*12.0-120*		*12/29/2023 20:23*	WG2194490
(S) Phenol-d5	*39.2*		*10.0-120*		*12/29/2023 20:23*	WG2194490
(S) Nitrobenzene-d5	*43.6*		*10.0-122*		*12/29/2023 20:23*	WG2194490
(S) 2-Fluorobiphenyl	*43.3*		*15.0-120*		*12/29/2023 20:23*	WG2194490
(S) 2,4,6-Tribromophenol	*66.1*		*10.0-127*		*12/29/2023 20:23*	WG2194490
(S) p-Terphenyl-d14	*44.5*		*10.0-120*		*12/29/2023 20:23*	WG2194490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.3		1	12/22/2023 11:13	WG2194519

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	12/30/2023 09:33	WG2196212

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0945		0.0475	1	12/26/2023 16:55	WG2195330

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.56	5	12/31/2023 15:47	WG2194558
Arsenic	4.59		1.19	5	12/31/2023 15:47	WG2194558
Barium	132		2.97	5	12/31/2023 15:47	WG2194558
Beryllium	ND		2.97	5	12/31/2023 15:47	WG2194558
Cadmium	ND		1.19	5	12/31/2023 15:47	WG2194558
Chromium	31.7		5.93	5	12/31/2023 15:47	WG2194558
Cobalt	10.4		1.19	5	12/31/2023 15:47	WG2194558
Copper	18.4		5.93	5	12/31/2023 15:47	WG2194558
Lead	38.8		2.37	5	12/31/2023 15:47	WG2194558
Manganese	365		2.97	5	12/31/2023 15:47	WG2194558
Nickel	26.4		2.97	5	12/31/2023 15:47	WG2194558
Selenium	ND		2.97	5	12/31/2023 15:47	WG2194558
Silver	ND		0.593	5	12/31/2023 15:47	WG2194558
Thallium	ND		2.37	5	12/31/2023 15:47	WG2194558
Vanadium	30.1		2.97	5	12/31/2023 15:47	WG2194558
Zinc	73.2		29.7	5	12/31/2023 15:47	WG2194558

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		0.0701	1	12/27/2023 11:57	WG2196444
Acrylonitrile	ND		0.0175	1	12/27/2023 11:57	WG2196444
Benzene	ND		0.00140	1	12/27/2023 11:57	WG2196444
Bromobenzene	ND		0.0175	1	12/27/2023 11:57	WG2196444
Bromodichloromethane	ND		0.00350	1	12/27/2023 11:57	WG2196444
Bromoform	ND		0.0350	1	12/27/2023 11:57	WG2196444
Bromomethane	ND		0.0175	1	12/27/2023 11:57	WG2196444
n-Butylbenzene	ND		0.0175	1	12/27/2023 11:57	WG2196444
sec-Butylbenzene	ND		0.0175	1	12/27/2023 11:57	WG2196444
tert-Butylbenzene	ND		0.00701	1	12/27/2023 11:57	WG2196444
Carbon tetrachloride	ND		0.00701	1	12/27/2023 11:57	WG2196444
Chlorobenzene	ND		0.00350	1	12/27/2023 11:57	WG2196444
Chlorodibromomethane	ND		0.00350	1	12/27/2023 11:57	WG2196444
Chloroethane	ND		0.00701	1	12/27/2023 11:57	WG2196444
Chloroform	ND		0.00350	1	12/27/2023 11:57	WG2196444
Chloromethane	ND	J4	0.0175	1	12/27/2023 11:57	WG2196444
2-Chlorotoluene	ND		0.00350	1	12/27/2023 11:57	WG2196444
4-Chlorotoluene	ND		0.00701	1	12/27/2023 11:57	WG2196444
1,2-Dibromo-3-Chloropropane	ND		0.0350	1	12/27/2023 11:57	WG2196444

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	12/27/2023 11:57	WG2196444
Dibromomethane	ND		0.00701	1	12/27/2023 11:57	WG2196444
1,2-Dichlorobenzene	ND		0.00701	1	12/27/2023 11:57	WG2196444
1,3-Dichlorobenzene	ND		0.00701	1	12/27/2023 11:57	WG2196444
1,4-Dichlorobenzene	ND		0.00701	1	12/27/2023 11:57	WG2196444
Dichlorodifluoromethane	ND		0.00701	1	12/27/2023 11:57	WG2196444
1,1-Dichloroethane	ND		0.00350	1	12/27/2023 11:57	WG2196444
1,2-Dichloroethane	ND		0.00350	1	12/27/2023 11:57	WG2196444
1,1-Dichloroethene	ND		0.00350	1	12/27/2023 11:57	WG2196444
cis-1,2-Dichloroethene	ND		0.00350	1	12/27/2023 11:57	WG2196444
trans-1,2-Dichloroethene	ND		0.00701	1	12/27/2023 11:57	WG2196444
1,2-Dichloropropane	ND		0.00701	1	12/27/2023 11:57	WG2196444
1,1-Dichloropropene	ND		0.00350	1	12/27/2023 11:57	WG2196444
1,3-Dichloropropane	ND		0.00701	1	12/27/2023 11:57	WG2196444
cis-1,3-Dichloropropene	ND		0.00350	1	12/27/2023 11:57	WG2196444
trans-1,3-Dichloropropene	ND		0.00701	1	12/27/2023 11:57	WG2196444
2,2-Dichloropropane	ND		0.00350	1	12/27/2023 11:57	WG2196444
Di-isopropyl ether	ND		0.00140	1	12/27/2023 11:57	WG2196444
Ethylbenzene	ND		0.00350	1	12/27/2023 11:57	WG2196444
Hexachloro-1,3-butadiene	ND		0.0350	1	12/27/2023 11:57	WG2196444
Isopropylbenzene	ND		0.00350	1	12/27/2023 11:57	WG2196444
p-Isopropyltoluene	ND		0.00701	1	12/27/2023 11:57	WG2196444
2-Butanone (MEK)	ND		0.140	1	12/27/2023 11:57	WG2196444
Methylene Chloride	ND		0.0350	1	12/27/2023 11:57	WG2196444
4-Methyl-2-pentanone (MIBK)	ND		0.0350	1	12/27/2023 11:57	WG2196444
Methyl tert-butyl ether	ND		0.00140	1	12/27/2023 11:57	WG2196444
Naphthalene	ND		0.0175	1	12/27/2023 11:57	WG2196444
n-Propylbenzene	ND		0.00701	1	12/27/2023 11:57	WG2196444
Styrene	ND		0.0175	1	12/27/2023 11:57	WG2196444
1,1,1,2-Tetrachloroethane	ND		0.00350	1	12/27/2023 11:57	WG2196444
1,1,2,2-Tetrachloroethane	ND		0.00350	1	12/27/2023 11:57	WG2196444
Tetrachloroethene	ND		0.00350	1	12/27/2023 11:57	WG2196444
Toluene	ND		0.00701	1	12/27/2023 11:57	WG2196444
1,2,3-Trichlorobenzene	ND		0.0175	1	12/27/2023 11:57	WG2196444
1,2,4-Trichlorobenzene	ND		0.0175	1	12/27/2023 11:57	WG2196444
1,1,1-Trichloroethane	ND		0.00350	1	12/27/2023 11:57	WG2196444
1,1,2-Trichloroethane	ND		0.00350	1	12/27/2023 11:57	WG2196444
Trichloroethene	ND		0.00140	1	12/27/2023 11:57	WG2196444
Trichlorofluoromethane	ND		0.00350	1	12/27/2023 11:57	WG2196444
1,2,3-Trichloropropane	ND		0.0175	1	12/27/2023 11:57	WG2196444
1,2,4-Trimethylbenzene	ND		0.00701	1	12/27/2023 11:57	WG2196444
1,3,5-Trimethylbenzene	ND		0.00701	1	12/27/2023 11:57	WG2196444
Vinyl chloride	ND	J4	0.00350	1	12/27/2023 11:57	WG2196444
Xylenes, Total	ND		0.00911	1	12/27/2023 11:57	WG2196444
(S) Toluene-d8	*104*		*75.0-131*		*12/27/2023 11:57*	WG2196444
(S) 4-Bromofluorobenzene	*98.2*		*67.0-138*		*12/27/2023 11:57*	WG2196444
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*12/27/2023 11:57*	WG2196444

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		0.0395	1	12/29/2023 15:02	WG2194490
Acenaphthylene	ND		0.0395	1	12/29/2023 15:02	WG2194490
Anthracene	ND		0.0395	1	12/29/2023 15:02	WG2194490
Benzidine	ND		1.98	1	12/29/2023 15:02	WG2194490
Benzo(a)anthracene	ND		0.0395	1	12/29/2023 15:02	WG2194490

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	0.0418		0.0395	1	12/29/2023 15:02	WG2194490
Benzo(k)fluoranthene	ND		0.0395	1	12/29/2023 15:02	WG2194490
Benzo(g,h,i)perylene	ND		0.0395	1	12/29/2023 15:02	WG2194490
Benzo(a)pyrene	ND		0.0395	1	12/29/2023 15:02	WG2194490
Bis(2-chlorethoxy)methane	ND		0.395	1	12/29/2023 15:02	WG2194490
Bis(2-chloroethyl)ether	ND		0.395	1	12/29/2023 15:02	WG2194490
2,2-Oxybis(1-Chloropropane)	ND		0.395	1	12/29/2023 15:02	WG2194490
4-Bromophenyl-phenylether	ND		0.395	1	12/29/2023 15:02	WG2194490
2-Chloronaphthalene	ND		0.0395	1	12/29/2023 15:02	WG2194490
4-Chlorophenyl-phenylether	ND		0.395	1	12/29/2023 15:02	WG2194490
Chrysene	ND		0.0395	1	12/29/2023 15:02	WG2194490
Dibenz(a,h)anthracene	ND		0.0395	1	12/29/2023 15:02	WG2194490
3,3-Dichlorobenzidine	ND		0.395	1	12/29/2023 15:02	WG2194490
2,4-Dinitrotoluene	ND		0.395	1	12/29/2023 15:02	WG2194490
2,6-Dinitrotoluene	ND		0.395	1	12/29/2023 15:02	WG2194490
Fluoranthene	0.0489		0.0395	1	12/29/2023 15:02	WG2194490
Fluorene	ND		0.0395	1	12/29/2023 15:02	WG2194490
Hexachlorobenzene	ND		0.395	1	12/29/2023 15:02	WG2194490
Hexachloro-1,3-butadiene	ND		0.395	1	12/29/2023 15:02	WG2194490
Hexachlorocyclopentadiene	ND		0.395	1	12/29/2023 15:02	WG2194490
Hexachloroethane	ND		0.395	1	12/29/2023 15:02	WG2194490
Indeno(1,2,3-cd)pyrene	ND		0.0395	1	12/29/2023 15:02	WG2194490
Isophorone	ND		0.395	1	12/29/2023 15:02	WG2194490
Naphthalene	ND		0.0395	1	12/29/2023 15:02	WG2194490
Nitrobenzene	ND		0.395	1	12/29/2023 15:02	WG2194490
n-Nitrosodimethylamine	ND		0.395	1	12/29/2023 15:02	WG2194490
n-Nitrosodiphenylamine	ND		0.395	1	12/29/2023 15:02	WG2194490
n-Nitrosodi-n-propylamine	ND		0.395	1	12/29/2023 15:02	WG2194490
Phenanthrene	ND		0.0395	1	12/29/2023 15:02	WG2194490
Benzylbutyl phthalate	ND		0.395	1	12/29/2023 15:02	WG2194490
Bis(2-ethylhexyl)phthalate	ND		0.395	1	12/29/2023 15:02	WG2194490
Di-n-butyl phthalate	ND		0.395	1	12/29/2023 15:02	WG2194490
Diethyl phthalate	ND		0.395	1	12/29/2023 15:02	WG2194490
Dimethyl phthalate	ND		0.395	1	12/29/2023 15:02	WG2194490
Di-n-octyl phthalate	ND		0.395	1	12/29/2023 15:02	WG2194490
Pyrene	0.0486		0.0395	1	12/29/2023 15:02	WG2194490
1,2,4-Trichlorobenzene	ND		0.395	1	12/29/2023 15:02	WG2194490
4-Chloro-3-methylphenol	ND		0.395	1	12/29/2023 15:02	WG2194490
2-Chlorophenol	ND		0.395	1	12/29/2023 15:02	WG2194490
2,4-Dichlorophenol	ND		0.395	1	12/29/2023 15:02	WG2194490
2,4-Dimethylphenol	ND		0.395	1	12/29/2023 15:02	WG2194490
4,6-Dinitro-2-methylphenol	ND		0.395	1	12/29/2023 15:02	WG2194490
2,4-Dinitrophenol	ND		0.395	1	12/29/2023 15:02	WG2194490
2-Nitrophenol	ND		0.395	1	12/29/2023 15:02	WG2194490
4-Nitrophenol	ND		0.395	1	12/29/2023 15:02	WG2194490
Pentachlorophenol	ND		0.395	1	12/29/2023 15:02	WG2194490
Phenol	ND		0.395	1	12/29/2023 15:02	WG2194490
2,4,6-Trichlorophenol	ND		0.395	1	12/29/2023 15:02	WG2194490
(S) 2-Fluorophenol	*48.9*		*12.0-120*		*12/29/2023 15:02*	WG2194490
(S) Phenol-d5	*46.8*		*10.0-120*		*12/29/2023 15:02*	WG2194490
(S) Nitrobenzene-d5	*50.0*		*10.0-122*		*12/29/2023 15:02*	WG2194490
(S) 2-Fluorobiphenyl	*52.8*		*15.0-120*		*12/29/2023 15:02*	WG2194490
(S) 2,4,6-Tribromophenol	*74.2*		*10.0-127*		*12/29/2023 15:02*	WG2194490
(S) p-Terphenyl-d14	*53.1*		*10.0-120*		*12/29/2023 15:02*	WG2194490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.8		1	12/22/2023 11:13	WG2194519

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	12/30/2023 09:39	WG2196212

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0489	1	12/26/2023 16:57	WG2195330

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.67	5	01/21/2024 16:04	WG2208654
Arsenic	2.86		1.22	5	01/21/2024 16:04	WG2208654
Barium	100		3.06	5	01/21/2024 16:04	WG2208654
Beryllium	ND		3.06	5	01/21/2024 16:04	WG2208654
Cadmium	ND		1.22	5	01/21/2024 16:04	WG2208654
Chromium	15.5		6.11	5	01/21/2024 16:04	WG2208654
Cobalt	9.27		1.22	5	01/21/2024 16:04	WG2208654
Copper	14.2		6.11	5	01/21/2024 16:04	WG2208654
Lead	33.0		2.45	5	01/21/2024 16:04	WG2208654
Manganese	249		3.06	5	01/21/2024 16:04	WG2208654
Nickel	11.2		3.06	5	01/21/2024 16:04	WG2208654
Selenium	ND		3.06	5	01/21/2024 16:04	WG2208654
Silver	ND		0.611	5	01/21/2024 16:04	WG2208654
Thallium	ND		2.45	5	01/21/2024 16:04	WG2208654
Vanadium	27.1		3.06	5	01/21/2024 16:04	WG2208654
Zinc	47.8		30.6	5	01/21/2024 16:04	WG2208654

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		0.0772	1.08	12/27/2023 12:16	WG2196444
Acrylonitrile	ND		0.0193	1.08	12/27/2023 12:16	WG2196444
Benzene	ND		0.00154	1.08	12/27/2023 12:16	WG2196444
Bromobenzene	ND		0.0193	1.08	12/27/2023 12:16	WG2196444
Bromodichloromethane	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
Bromoform	ND		0.0386	1.08	12/27/2023 12:16	WG2196444
Bromomethane	ND		0.0193	1.08	12/27/2023 12:16	WG2196444
n-Butylbenzene	ND		0.0193	1.08	12/27/2023 12:16	WG2196444
sec-Butylbenzene	ND		0.0193	1.08	12/27/2023 12:16	WG2196444
tert-Butylbenzene	ND		0.00772	1.08	12/27/2023 12:16	WG2196444
Carbon tetrachloride	ND		0.00772	1.08	12/27/2023 12:16	WG2196444
Chlorobenzene	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
Chlorodibromomethane	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
Chloroethane	ND		0.00772	1.08	12/27/2023 12:16	WG2196444
Chloroform	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
Chloromethane	ND	J4	0.0193	1.08	12/27/2023 12:16	WG2196444
2-Chlorotoluene	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
4-Chlorotoluene	ND		0.00772	1.08	12/27/2023 12:16	WG2196444
1,2-Dibromo-3-Chloropropane	ND		0.0386	1.08	12/27/2023 12:16	WG2196444

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		0.00386	1.08	12/27/2023 12:16	WG2196444
Dibromomethane	ND		0.00772	1.08	12/27/2023 12:16	WG2196444
1,2-Dichlorobenzene	ND		0.00772	1.08	12/27/2023 12:16	WG2196444
1,3-Dichlorobenzene	ND		0.00772	1.08	12/27/2023 12:16	WG2196444
1,4-Dichlorobenzene	ND		0.00772	1.08	12/27/2023 12:16	WG2196444
Dichlorodifluoromethane	ND		0.00772	1.08	12/27/2023 12:16	WG2196444
1,1-Dichloroethane	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
1,2-Dichloroethane	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
1,1-Dichloroethene	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
cis-1,2-Dichloroethene	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
trans-1,2-Dichloroethene	ND		0.00772	1.08	12/27/2023 12:16	WG2196444
1,2-Dichloropropane	ND		0.00772	1.08	12/27/2023 12:16	WG2196444
1,1-Dichloropropene	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
1,3-Dichloropropane	ND		0.00772	1.08	12/27/2023 12:16	WG2196444
cis-1,3-Dichloropropene	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
trans-1,3-Dichloropropene	ND		0.00772	1.08	12/27/2023 12:16	WG2196444
2,2-Dichloropropane	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
Di-isopropyl ether	ND		0.00154	1.08	12/27/2023 12:16	WG2196444
Ethylbenzene	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
Hexachloro-1,3-butadiene	ND		0.0386	1.08	12/27/2023 12:16	WG2196444
Isopropylbenzene	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
p-Isopropyltoluene	0.0242		0.00772	1.08	12/27/2023 12:16	WG2196444
2-Butanone (MEK)	ND		0.154	1.08	12/27/2023 12:16	WG2196444
Methylene Chloride	ND		0.0386	1.08	12/27/2023 12:16	WG2196444
4-Methyl-2-pentanone (MIBK)	ND		0.0386	1.08	12/27/2023 12:16	WG2196444
Methyl tert-butyl ether	ND		0.00154	1.08	12/27/2023 12:16	WG2196444
Naphthalene	ND		0.0193	1.08	12/27/2023 12:16	WG2196444
n-Propylbenzene	ND		0.00772	1.08	12/27/2023 12:16	WG2196444
Styrene	ND		0.0193	1.08	12/27/2023 12:16	WG2196444
1,1,1,2-Tetrachloroethane	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
1,1,2,2-Tetrachloroethane	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
Tetrachloroethene	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
Toluene	ND		0.00772	1.08	12/27/2023 12:16	WG2196444
1,2,3-Trichlorobenzene	ND		0.0193	1.08	12/27/2023 12:16	WG2196444
1,2,4-Trichlorobenzene	ND		0.0193	1.08	12/27/2023 12:16	WG2196444
1,1,1-Trichloroethane	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
1,1,2-Trichloroethane	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
Trichloroethene	ND		0.00154	1.08	12/27/2023 12:16	WG2196444
Trichlorofluoromethane	ND		0.00386	1.08	12/27/2023 12:16	WG2196444
1,2,3-Trichloropropane	ND		0.0193	1.08	12/27/2023 12:16	WG2196444
1,2,4-Trimethylbenzene	ND		0.00772	1.08	12/27/2023 12:16	WG2196444
1,3,5-Trimethylbenzene	ND		0.00772	1.08	12/27/2023 12:16	WG2196444
Vinyl chloride	ND	J4	0.00386	1.08	12/27/2023 12:16	WG2196444
Xylenes, Total	ND		0.0100	1.08	12/27/2023 12:16	WG2196444
(S) Toluene-d8	*107*		*75.0-131*		*12/27/2023 12:16*	WG2196444
(S) 4-Bromofluorobenzene	*94.4*		*67.0-138*		*12/27/2023 12:16*	WG2196444
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*12/27/2023 12:16*	WG2196444

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	12/29/2023 15:24	WG2194490
Acenaphthylene	ND		0.0407	1	12/29/2023 15:24	WG2194490
Anthracene	ND		0.0407	1	12/29/2023 15:24	WG2194490
Benzidine	ND		2.04	1	12/29/2023 15:24	WG2194490
Benzo(a)anthracene	0.106		0.0407	1	12/29/2023 15:24	WG2194490

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	0.155		0.0407	1	12/29/2023 15:24	WG2194490
Benzo(k)fluoranthene	0.0438		0.0407	1	12/29/2023 15:24	WG2194490
Benzo(g,h,i)perylene	0.0691		0.0407	1	12/29/2023 15:24	WG2194490
Benzo(a)pyrene	0.104		0.0407	1	12/29/2023 15:24	WG2194490
Bis(2-chlorethoxy)methane	ND		0.407	1	12/29/2023 15:24	WG2194490
Bis(2-chloroethyl)ether	ND		0.407	1	12/29/2023 15:24	WG2194490
2,2-Oxybis(1-Chloropropane)	ND		0.407	1	12/29/2023 15:24	WG2194490
4-Bromophenyl-phenylether	ND		0.407	1	12/29/2023 15:24	WG2194490
2-Chloronaphthalene	ND		0.0407	1	12/29/2023 15:24	WG2194490
4-Chlorophenyl-phenylether	ND		0.407	1	12/29/2023 15:24	WG2194490
Chrysene	0.108		0.0407	1	12/29/2023 15:24	WG2194490
Dibenz(a,h)anthracene	ND		0.0407	1	12/29/2023 15:24	WG2194490
3,3-Dichlorobenzidine	ND		0.407	1	12/29/2023 15:24	WG2194490
2,4-Dinitrotoluene	ND		0.407	1	12/29/2023 15:24	WG2194490
2,6-Dinitrotoluene	ND		0.407	1	12/29/2023 15:24	WG2194490
Fluoranthene	0.207		0.0407	1	12/29/2023 15:24	WG2194490
Fluorene	ND		0.0407	1	12/29/2023 15:24	WG2194490
Hexachlorobenzene	ND		0.407	1	12/29/2023 15:24	WG2194490
Hexachloro-1,3-butadiene	ND		0.407	1	12/29/2023 15:24	WG2194490
Hexachlorocyclopentadiene	ND		0.407	1	12/29/2023 15:24	WG2194490
Hexachloroethane	ND		0.407	1	12/29/2023 15:24	WG2194490
Indeno(1,2,3-cd)pyrene	0.0732		0.0407	1	12/29/2023 15:24	WG2194490
Isophorone	ND		0.407	1	12/29/2023 15:24	WG2194490
Naphthalene	ND		0.0407	1	12/29/2023 15:24	WG2194490
Nitrobenzene	ND		0.407	1	12/29/2023 15:24	WG2194490
n-Nitrosodimethylamine	ND		0.407	1	12/29/2023 15:24	WG2194490
n-Nitrosodiphenylamine	ND		0.407	1	12/29/2023 15:24	WG2194490
n-Nitrosodi-n-propylamine	ND		0.407	1	12/29/2023 15:24	WG2194490
Phenanthrene	0.0913		0.0407	1	12/29/2023 15:24	WG2194490
Benzylbutyl phthalate	ND		0.407	1	12/29/2023 15:24	WG2194490
Bis(2-ethylhexyl)phthalate	ND		0.407	1	12/29/2023 15:24	WG2194490
Di-n-butyl phthalate	ND		0.407	1	12/29/2023 15:24	WG2194490
Diethyl phthalate	ND		0.407	1	12/29/2023 15:24	WG2194490
Dimethyl phthalate	ND		0.407	1	12/29/2023 15:24	WG2194490
Di-n-octyl phthalate	ND		0.407	1	12/29/2023 15:24	WG2194490
Pyrene	0.158		0.0407	1	12/29/2023 15:24	WG2194490
1,2,4-Trichlorobenzene	ND		0.407	1	12/29/2023 15:24	WG2194490
4-Chloro-3-methylphenol	ND		0.407	1	12/29/2023 15:24	WG2194490
2-Chlorophenol	ND		0.407	1	12/29/2023 15:24	WG2194490
2,4-Dichlorophenol	ND		0.407	1	12/29/2023 15:24	WG2194490
2,4-Dimethylphenol	ND		0.407	1	12/29/2023 15:24	WG2194490
4,6-Dinitro-2-methylphenol	ND		0.407	1	12/29/2023 15:24	WG2194490
2,4-Dinitrophenol	ND		0.407	1	12/29/2023 15:24	WG2194490
2-Nitrophenol	ND		0.407	1	12/29/2023 15:24	WG2194490
4-Nitrophenol	ND		0.407	1	12/29/2023 15:24	WG2194490
Pentachlorophenol	ND		0.407	1	12/29/2023 15:24	WG2194490
Phenol	ND		0.407	1	12/29/2023 15:24	WG2194490
2,4,6-Trichlorophenol	ND		0.407	1	12/29/2023 15:24	WG2194490
(S) 2-Fluorophenol	*42.8*		*12.0-120*		*12/29/2023 15:24*	WG2194490
(S) Phenol-d5	*39.6*		*10.0-120*		*12/29/2023 15:24*	WG2194490
(S) Nitrobenzene-d5	*43.0*		*10.0-122*		*12/29/2023 15:24*	WG2194490
(S) 2-Fluorobiphenyl	*42.7*		*15.0-120*		*12/29/2023 15:24*	WG2194490
(S) 2,4,6-Tribromophenol	*68.8*		*10.0-127*		*12/29/2023 15:24*	WG2194490
(S) p-Terphenyl-d14	*43.0*		*10.0-120*		*12/29/2023 15:24*	WG2194490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.1		1	12/22/2023 11:13	WG2194519

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	12/30/2023 09:45	WG2196212

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.123		0.0512	1	12/26/2023 17:00	WG2195330

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.84	5	01/21/2024 16:07	WG2208654
Arsenic	3.53		1.28	5	01/21/2024 16:07	WG2208654
Barium	104		3.20	5	01/21/2024 16:07	WG2208654
Beryllium	ND		3.20	5	01/21/2024 16:07	WG2208654
Cadmium	ND		1.28	5	01/21/2024 16:07	WG2208654
Chromium	16.1		6.40	5	01/21/2024 16:07	WG2208654
Cobalt	7.50		1.28	5	01/21/2024 16:07	WG2208654
Copper	33.0		6.40	5	01/21/2024 16:07	WG2208654
Lead	107		2.56	5	01/21/2024 16:07	WG2208654
Manganese	275		3.20	5	01/21/2024 16:07	WG2208654
Nickel	11.1		3.20	5	01/21/2024 16:07	WG2208654
Selenium	ND		3.20	5	01/21/2024 16:07	WG2208654
Silver	ND		0.640	5	01/21/2024 16:07	WG2208654
Thallium	ND		2.56	5	01/21/2024 16:07	WG2208654
Vanadium	20.4		3.20	5	01/21/2024 16:07	WG2208654
Zinc	101		32.0	5	01/21/2024 16:07	WG2208654

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	0.0783	1	01/03/2024 02:52	WG2199616
Acrylonitrile	ND		0.0196	1	01/03/2024 02:52	WG2199616
Benzene	0.00180		0.00157	1	01/03/2024 02:52	WG2199616
Bromobenzene	ND		0.0196	1	01/03/2024 02:52	WG2199616
Bromodichloromethane	ND		0.00391	1	01/03/2024 02:52	WG2199616
Bromoform	ND		0.0391	1	01/03/2024 02:52	WG2199616
Bromomethane	ND		0.0196	1	01/03/2024 02:52	WG2199616
n-Butylbenzene	ND		0.0196	1	01/03/2024 02:52	WG2199616
sec-Butylbenzene	ND		0.0196	1	01/03/2024 02:52	WG2199616
tert-Butylbenzene	ND		0.00783	1	01/03/2024 02:52	WG2199616
Carbon tetrachloride	ND		0.00783	1	01/03/2024 02:52	WG2199616
Chlorobenzene	ND		0.00391	1	01/03/2024 02:52	WG2199616
Chlorodibromomethane	ND		0.00391	1	01/03/2024 02:52	WG2199616
Chloroethane	ND		0.00783	1	01/03/2024 02:52	WG2199616
Chloroform	ND		0.00391	1	01/03/2024 02:52	WG2199616
Chloromethane	ND		0.0196	1	01/03/2024 02:52	WG2199616
2-Chlorotoluene	ND		0.00391	1	01/03/2024 02:52	WG2199616
4-Chlorotoluene	ND	J4	0.00783	1	01/03/2024 02:52	WG2199616
1,2-Dibromo-3-Chloropropane	ND		0.0391	1	01/03/2024 02:52	WG2199616

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	01/03/2024 02:52	WG2199616
Dibromomethane	ND		0.00783	1	01/03/2024 02:52	WG2199616
1,2-Dichlorobenzene	ND		0.00783	1	01/03/2024 02:52	WG2199616
1,3-Dichlorobenzene	ND		0.00783	1	01/03/2024 02:52	WG2199616
1,4-Dichlorobenzene	ND		0.00783	1	01/03/2024 02:52	WG2199616
Dichlorodifluoromethane	ND		0.00783	1	01/03/2024 02:52	WG2199616
1,1-Dichloroethane	ND		0.00391	1	01/03/2024 02:52	WG2199616
1,2-Dichloroethane	ND		0.00391	1	01/03/2024 02:52	WG2199616
1,1-Dichloroethene	ND		0.00391	1	01/03/2024 02:52	WG2199616
cis-1,2-Dichloroethene	ND		0.00391	1	01/03/2024 02:52	WG2199616
trans-1,2-Dichloroethene	ND		0.00783	1	01/03/2024 02:52	WG2199616
1,2-Dichloropropane	ND		0.00783	1	01/03/2024 02:52	WG2199616
1,1-Dichloropropene	ND		0.00391	1	01/03/2024 02:52	WG2199616
1,3-Dichloropropane	ND		0.00783	1	01/03/2024 02:52	WG2199616
cis-1,3-Dichloropropene	ND		0.00391	1	01/03/2024 02:52	WG2199616
trans-1,3-Dichloropropene	ND		0.00783	1	01/03/2024 02:52	WG2199616
2,2-Dichloropropane	ND		0.00391	1	01/03/2024 02:52	WG2199616
Di-isopropyl ether	ND		0.00157	1	01/03/2024 02:52	WG2199616
Ethylbenzene	ND		0.00391	1	01/03/2024 02:52	WG2199616
Hexachloro-1,3-butadiene	ND		0.0391	1	01/03/2024 02:52	WG2199616
Isopropylbenzene	ND		0.00391	1	01/03/2024 02:52	WG2199616
p-Isopropyltoluene	0.0130		0.00783	1	01/03/2024 02:52	WG2199616
2-Butanone (MEK)	ND		0.157	1	01/03/2024 02:52	WG2199616
Methylene Chloride	ND		0.0391	1	01/03/2024 02:52	WG2199616
4-Methyl-2-pentanone (MIBK)	ND		0.0391	1	01/03/2024 02:52	WG2199616
Methyl tert-butyl ether	ND		0.00157	1	01/03/2024 02:52	WG2199616
Naphthalene	0.224	C3	0.0196	1	01/03/2024 02:52	WG2199616
n-Propylbenzene	ND	J4	0.00783	1	01/03/2024 02:52	WG2199616
Styrene	ND		0.0196	1	01/03/2024 02:52	WG2199616
1,1,1,2-Tetrachloroethane	ND		0.00391	1	01/03/2024 02:52	WG2199616
1,1,2,2-Tetrachloroethane	ND		0.00391	1	01/03/2024 02:52	WG2199616
Tetrachloroethene	ND		0.00391	1	01/03/2024 02:52	WG2199616
Toluene	0.0155		0.00783	1	01/03/2024 02:52	WG2199616
1,2,3-Trichlorobenzene	ND	C3	0.0196	1	01/03/2024 02:52	WG2199616
1,2,4-Trichlorobenzene	ND	C3	0.0196	1	01/03/2024 02:52	WG2199616
1,1,1-Trichloroethane	ND		0.00391	1	01/03/2024 02:52	WG2199616
1,1,2-Trichloroethane	ND		0.00391	1	01/03/2024 02:52	WG2199616
Trichloroethene	ND		0.00157	1	01/03/2024 02:52	WG2199616
Trichlorofluoromethane	ND		0.00391	1	01/03/2024 02:52	WG2199616
1,2,3-Trichloropropane	ND		0.0196	1	01/03/2024 02:52	WG2199616
1,2,4-Trimethylbenzene	0.0107		0.00783	1	01/03/2024 02:52	WG2199616
1,3,5-Trimethylbenzene	ND		0.00783	1	01/03/2024 02:52	WG2199616
Vinyl chloride	ND		0.00391	1	01/03/2024 02:52	WG2199616
Xylenes, Total	0.0310		0.0102	1	01/03/2024 02:52	WG2199616
(S) Toluene-d8	*101*		*75.0-131*		*01/03/2024 02:52*	WG2199616
(S) 4-Bromofluorobenzene	*93.7*		*67.0-138*		*01/03/2024 02:52*	WG2199616
(S) 1,2-Dichloroethane-d4	*88.9*		*70.0-130*		*01/03/2024 02:52*	WG2199616

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	0.0911		0.0426	1	12/29/2023 15:45	WG2194490
Acenaphthylene	ND		0.0426	1	12/29/2023 15:45	WG2194490
Anthracene	0.252		0.0426	1	12/29/2023 15:45	WG2194490
Benzidine	ND		2.14	1	12/29/2023 15:45	WG2194490
Benzo(a)anthracene	0.604		0.0426	1	12/29/2023 15:45	WG2194490

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	0.696		0.0426	1	12/29/2023 15:45	WG2194490
Benzo(k)fluoranthene	0.223		0.0426	1	12/29/2023 15:45	WG2194490
Benzo(g,h,i)perylene	0.311		0.0426	1	12/29/2023 15:45	WG2194490
Benzo(a)pyrene	0.529		0.0426	1	12/29/2023 15:45	WG2194490
Bis(2-chlorethoxy)methane	ND		0.426	1	12/29/2023 15:45	WG2194490
Bis(2-chloroethyl)ether	ND		0.426	1	12/29/2023 15:45	WG2194490
2,2-Oxybis(1-Chloropropane)	ND		0.426	1	12/29/2023 15:45	WG2194490
4-Bromophenyl-phenylether	ND		0.426	1	12/29/2023 15:45	WG2194490
2-Chloronaphthalene	ND		0.0426	1	12/29/2023 15:45	WG2194490
4-Chlorophenyl-phenylether	ND		0.426	1	12/29/2023 15:45	WG2194490
Chrysene	0.586		0.0426	1	12/29/2023 15:45	WG2194490
Dibenz(a,h)anthracene	0.0779		0.0426	1	12/29/2023 15:45	WG2194490
3,3-Dichlorobenzidine	ND		0.426	1	12/29/2023 15:45	WG2194490
2,4-Dinitrotoluene	ND		0.426	1	12/29/2023 15:45	WG2194490
2,6-Dinitrotoluene	ND		0.426	1	12/29/2023 15:45	WG2194490
Fluoranthene	1.46		0.0426	1	12/29/2023 15:45	WG2194490
Fluorene	0.107		0.0426	1	12/29/2023 15:45	WG2194490
Hexachlorobenzene	ND		0.426	1	12/29/2023 15:45	WG2194490
Hexachloro-1,3-butadiene	ND		0.426	1	12/29/2023 15:45	WG2194490
Hexachlorocyclopentadiene	ND		0.426	1	12/29/2023 15:45	WG2194490
Hexachloroethane	ND		0.426	1	12/29/2023 15:45	WG2194490
Indeno(1,2,3-cd)pyrene	0.330		0.0426	1	12/29/2023 15:45	WG2194490
Isophorone	ND		0.426	1	12/29/2023 15:45	WG2194490
Naphthalene	0.0498		0.0426	1	12/29/2023 15:45	WG2194490
Nitrobenzene	ND		0.426	1	12/29/2023 15:45	WG2194490
n-Nitrosodimethylamine	ND		0.426	1	12/29/2023 15:45	WG2194490
n-Nitrosodiphenylamine	ND		0.426	1	12/29/2023 15:45	WG2194490
n-Nitrosodi-n-propylamine	ND		0.426	1	12/29/2023 15:45	WG2194490
Phenanthrene	1.27		0.0426	1	12/29/2023 15:45	WG2194490
Benzylbutyl phthalate	ND		0.426	1	12/29/2023 15:45	WG2194490
Bis(2-ethylhexyl)phthalate	ND		0.426	1	12/29/2023 15:45	WG2194490
Di-n-butyl phthalate	ND		0.426	1	12/29/2023 15:45	WG2194490
Diethyl phthalate	ND		0.426	1	12/29/2023 15:45	WG2194490
Dimethyl phthalate	ND		0.426	1	12/29/2023 15:45	WG2194490
Di-n-octyl phthalate	ND		0.426	1	12/29/2023 15:45	WG2194490
Pyrene	1.15		0.0426	1	12/29/2023 15:45	WG2194490
1,2,4-Trichlorobenzene	ND		0.426	1	12/29/2023 15:45	WG2194490
4-Chloro-3-methylphenol	ND		0.426	1	12/29/2023 15:45	WG2194490
2-Chlorophenol	ND		0.426	1	12/29/2023 15:45	WG2194490
2,4-Dichlorophenol	ND		0.426	1	12/29/2023 15:45	WG2194490
2,4-Dimethylphenol	ND		0.426	1	12/29/2023 15:45	WG2194490
4,6-Dinitro-2-methylphenol	ND		0.426	1	12/29/2023 15:45	WG2194490
2,4-Dinitrophenol	ND		0.426	1	12/29/2023 15:45	WG2194490
2-Nitrophenol	ND		0.426	1	12/29/2023 15:45	WG2194490
4-Nitrophenol	ND		0.426	1	12/29/2023 15:45	WG2194490
Pentachlorophenol	ND		0.426	1	12/29/2023 15:45	WG2194490
Phenol	ND		0.426	1	12/29/2023 15:45	WG2194490
2,4,6-Trichlorophenol	ND		0.426	1	12/29/2023 15:45	WG2194490
(S) 2-Fluorophenol	*41.0*		*12.0-120*		*12/29/2023 15:45*	WG2194490
(S) Phenol-d5	*39.6*		*10.0-120*		*12/29/2023 15:45*	WG2194490
(S) Nitrobenzene-d5	*41.7*		*10.0-122*		*12/29/2023 15:45*	WG2194490
(S) 2-Fluorobiphenyl	*40.8*		*15.0-120*		*12/29/2023 15:45*	WG2194490
(S) 2,4,6-Tribromophenol	*62.1*		*10.0-127*		*12/29/2023 15:45*	WG2194490
(S) p-Terphenyl-d14	*42.1*		*10.0-120*		*12/29/2023 15:45*	WG2194490

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.0		1	12/22/2023 11:13	WG2194519

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	12/30/2023 09:51	WG2196212

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0701		0.0476	1	12/26/2023 17:02	WG2195330

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.57	5	01/21/2024 16:10	WG2208654
Arsenic	3.18		1.19	5	01/21/2024 16:10	WG2208654
Barium	88.5		2.98	5	01/21/2024 16:10	WG2208654
Beryllium	ND		2.98	5	01/21/2024 16:10	WG2208654
Cadmium	ND		1.19	5	01/21/2024 16:10	WG2208654
Chromium	13.9		5.95	5	01/21/2024 16:10	WG2208654
Cobalt	6.53		1.19	5	01/21/2024 16:10	WG2208654
Copper	50.4		5.95	5	01/21/2024 16:10	WG2208654
Lead	87.5		2.38	5	01/21/2024 16:10	WG2208654
Manganese	251		2.98	5	01/21/2024 16:10	WG2208654
Nickel	11.9		2.98	5	01/21/2024 16:10	WG2208654
Selenium	ND		2.98	5	01/21/2024 16:10	WG2208654
Silver	ND		0.595	5	01/21/2024 16:10	WG2208654
Thallium	ND		2.38	5	01/21/2024 16:10	WG2208654
Vanadium	20.7		2.98	5	01/21/2024 16:10	WG2208654
Zinc	99.3		29.8	5	01/21/2024 16:10	WG2208654

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		0.0691	1	12/27/2023 12:34	WG2196444
Acrylonitrile	ND		0.0173	1	12/27/2023 12:34	WG2196444
Benzene	0.00229		0.00138	1	12/27/2023 12:34	WG2196444
Bromobenzene	ND		0.0173	1	12/27/2023 12:34	WG2196444
Bromodichloromethane	ND		0.00345	1	12/27/2023 12:34	WG2196444
Bromoform	ND		0.0345	1	12/27/2023 12:34	WG2196444
Bromomethane	ND		0.0173	1	12/27/2023 12:34	WG2196444
n-Butylbenzene	ND		0.0173	1	12/27/2023 12:34	WG2196444
sec-Butylbenzene	ND		0.0173	1	12/27/2023 12:34	WG2196444
tert-Butylbenzene	ND		0.00691	1	12/27/2023 12:34	WG2196444
Carbon tetrachloride	ND		0.00691	1	12/27/2023 12:34	WG2196444
Chlorobenzene	ND		0.00345	1	12/27/2023 12:34	WG2196444
Chlorodibromomethane	ND		0.00345	1	12/27/2023 12:34	WG2196444
Chloroethane	ND		0.00691	1	12/27/2023 12:34	WG2196444
Chloroform	ND		0.00345	1	12/27/2023 12:34	WG2196444
Chloromethane	ND	J4	0.0173	1	12/27/2023 12:34	WG2196444
2-Chlorotoluene	ND		0.00345	1	12/27/2023 12:34	WG2196444
4-Chlorotoluene	ND		0.00691	1	12/27/2023 12:34	WG2196444
1,2-Dibromo-3-Chloropropane	ND		0.0345	1	12/27/2023 12:34	WG2196444

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	12/27/2023 12:34	WG2196444
Dibromomethane	ND		0.00691	1	12/27/2023 12:34	WG2196444
1,2-Dichlorobenzene	ND		0.00691	1	12/27/2023 12:34	WG2196444
1,3-Dichlorobenzene	ND		0.00691	1	12/27/2023 12:34	WG2196444
1,4-Dichlorobenzene	ND		0.00691	1	12/27/2023 12:34	WG2196444
Dichlorodifluoromethane	ND		0.00691	1	12/27/2023 12:34	WG2196444
1,1-Dichloroethane	ND		0.00345	1	12/27/2023 12:34	WG2196444
1,2-Dichloroethane	ND		0.00345	1	12/27/2023 12:34	WG2196444
1,1-Dichloroethene	ND		0.00345	1	12/27/2023 12:34	WG2196444
cis-1,2-Dichloroethene	ND		0.00345	1	12/27/2023 12:34	WG2196444
trans-1,2-Dichloroethene	ND		0.00691	1	12/27/2023 12:34	WG2196444
1,2-Dichloropropane	ND		0.00691	1	12/27/2023 12:34	WG2196444
1,1-Dichloropropene	ND		0.00345	1	12/27/2023 12:34	WG2196444
1,3-Dichloropropane	ND		0.00691	1	12/27/2023 12:34	WG2196444
cis-1,3-Dichloropropene	ND		0.00345	1	12/27/2023 12:34	WG2196444
trans-1,3-Dichloropropene	ND		0.00691	1	12/27/2023 12:34	WG2196444
2,2-Dichloropropane	ND		0.00345	1	12/27/2023 12:34	WG2196444
Di-isopropyl ether	ND		0.00138	1	12/27/2023 12:34	WG2196444
Ethylbenzene	ND		0.00345	1	12/27/2023 12:34	WG2196444
Hexachloro-1,3-butadiene	ND		0.0345	1	12/27/2023 12:34	WG2196444
Isopropylbenzene	ND		0.00345	1	12/27/2023 12:34	WG2196444
p-Isopropyltoluene	ND		0.00691	1	12/27/2023 12:34	WG2196444
2-Butanone (MEK)	ND		0.138	1	12/27/2023 12:34	WG2196444
Methylene Chloride	ND		0.0345	1	12/27/2023 12:34	WG2196444
4-Methyl-2-pentanone (MIBK)	ND		0.0345	1	12/27/2023 12:34	WG2196444
Methyl tert-butyl ether	ND		0.00138	1	12/27/2023 12:34	WG2196444
Naphthalene	ND		0.0173	1	12/27/2023 12:34	WG2196444
n-Propylbenzene	ND		0.00691	1	12/27/2023 12:34	WG2196444
Styrene	ND		0.0173	1	12/27/2023 12:34	WG2196444
1,1,1,2-Tetrachloroethane	ND		0.00345	1	12/27/2023 12:34	WG2196444
1,1,2,2-Tetrachloroethane	ND		0.00345	1	12/27/2023 12:34	WG2196444
Tetrachloroethene	ND		0.00345	1	12/27/2023 12:34	WG2196444
Toluene	0.0253		0.00691	1	12/27/2023 12:34	WG2196444
1,2,3-Trichlorobenzene	ND		0.0173	1	12/27/2023 12:34	WG2196444
1,2,4-Trichlorobenzene	ND		0.0173	1	12/27/2023 12:34	WG2196444
1,1,1-Trichloroethane	ND		0.00345	1	12/27/2023 12:34	WG2196444
1,1,2-Trichloroethane	ND		0.00345	1	12/27/2023 12:34	WG2196444
Trichloroethene	ND		0.00138	1	12/27/2023 12:34	WG2196444
Trichlorofluoromethane	ND		0.00345	1	12/27/2023 12:34	WG2196444
1,2,3-Trichloropropane	ND		0.0173	1	12/27/2023 12:34	WG2196444
1,2,4-Trimethylbenzene	ND		0.00691	1	12/27/2023 12:34	WG2196444
1,3,5-Trimethylbenzene	ND		0.00691	1	12/27/2023 12:34	WG2196444
Vinyl chloride	ND	J4	0.00345	1	12/27/2023 12:34	WG2196444
Xylenes, Total	0.0240		0.00898	1	12/27/2023 12:34	WG2196444
(S) Toluene-d8	*105*		*75.0-131*		*12/27/2023 12:34*	WG2196444
(S) 4-Bromofluorobenzene	*96.5*		*67.0-138*		*12/27/2023 12:34*	WG2196444
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*12/27/2023 12:34*	WG2196444

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	12/31/2023 00:34	WG2196005
Acenaphthylene	ND		0.0396	1	12/31/2023 00:34	WG2196005
Anthracene	ND		0.0396	1	12/31/2023 00:34	WG2196005
Benzidine	ND		1.99	1	12/31/2023 00:34	WG2196005
Benzo(a)anthracene	0.188		0.0396	1	12/31/2023 00:34	WG2196005

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	0.270		0.0396	1	12/31/2023 00:34	WG2196005
Benzo(k)fluoranthene	0.0871		0.0396	1	12/31/2023 00:34	WG2196005
Benzo(g,h,i)perylene	0.109		0.0396	1	12/31/2023 00:34	WG2196005
Benzo(a)pyrene	0.193		0.0396	1	12/31/2023 00:34	WG2196005
Bis(2-chlorethoxy)methane	ND		0.396	1	12/31/2023 00:34	WG2196005
Bis(2-chloroethyl)ether	ND		0.396	1	12/31/2023 00:34	WG2196005
2,2-Oxybis(1-Chloropropane)	ND		0.396	1	12/31/2023 00:34	WG2196005
4-Bromophenyl-phenylether	ND		0.396	1	12/31/2023 00:34	WG2196005
2-Chloronaphthalene	ND		0.0396	1	12/31/2023 00:34	WG2196005
4-Chlorophenyl-phenylether	ND		0.396	1	12/31/2023 00:34	WG2196005
Chrysene	0.199		0.0396	1	12/31/2023 00:34	WG2196005
Dibenz(a,h)anthracene	ND		0.0396	1	12/31/2023 00:34	WG2196005
3,3-Dichlorobenzidine	ND		0.396	1	12/31/2023 00:34	WG2196005
2,4-Dinitrotoluene	ND		0.396	1	12/31/2023 00:34	WG2196005
2,6-Dinitrotoluene	ND		0.396	1	12/31/2023 00:34	WG2196005
Fluoranthene	0.363		0.0396	1	12/31/2023 00:34	WG2196005
Fluorene	ND		0.0396	1	12/31/2023 00:34	WG2196005
Hexachlorobenzene	ND		0.396	1	12/31/2023 00:34	WG2196005
Hexachloro-1,3-butadiene	ND		0.396	1	12/31/2023 00:34	WG2196005
Hexachlorocyclopentadiene	ND		0.396	1	12/31/2023 00:34	WG2196005
Hexachloroethane	ND		0.396	1	12/31/2023 00:34	WG2196005
Indeno(1,2,3-cd)pyrene	0.115		0.0396	1	12/31/2023 00:34	WG2196005
Isophorone	ND		0.396	1	12/31/2023 00:34	WG2196005
Naphthalene	ND		0.0396	1	12/31/2023 00:34	WG2196005
Nitrobenzene	ND		0.396	1	12/31/2023 00:34	WG2196005
n-Nitrosodimethylamine	ND		0.396	1	12/31/2023 00:34	WG2196005
n-Nitrosodiphenylamine	ND		0.396	1	12/31/2023 00:34	WG2196005
n-Nitrosodi-n-propylamine	ND		0.396	1	12/31/2023 00:34	WG2196005
Phenanthrene	0.159		0.0396	1	12/31/2023 00:34	WG2196005
Benzylbutyl phthalate	ND		0.396	1	12/31/2023 00:34	WG2196005
Bis(2-ethylhexyl)phthalate	ND		0.396	1	12/31/2023 00:34	WG2196005
Di-n-butyl phthalate	ND		0.396	1	12/31/2023 00:34	WG2196005
Diethyl phthalate	ND		0.396	1	12/31/2023 00:34	WG2196005
Dimethyl phthalate	ND		0.396	1	12/31/2023 00:34	WG2196005
Di-n-octyl phthalate	ND		0.396	1	12/31/2023 00:34	WG2196005
Pyrene	0.305		0.0396	1	12/31/2023 00:34	WG2196005
1,2,4-Trichlorobenzene	ND		0.396	1	12/31/2023 00:34	WG2196005
4-Chloro-3-methylphenol	ND		0.396	1	12/31/2023 00:34	WG2196005
2-Chlorophenol	ND		0.396	1	12/31/2023 00:34	WG2196005
2,4-Dichlorophenol	ND		0.396	1	12/31/2023 00:34	WG2196005
2,4-Dimethylphenol	ND		0.396	1	12/31/2023 00:34	WG2196005
4,6-Dinitro-2-methylphenol	ND		0.396	1	12/31/2023 00:34	WG2196005
2,4-Dinitrophenol	ND		0.396	1	12/31/2023 00:34	WG2196005
2-Nitrophenol	ND		0.396	1	12/31/2023 00:34	WG2196005
4-Nitrophenol	ND		0.396	1	12/31/2023 00:34	WG2196005
Pentachlorophenol	ND		0.396	1	12/31/2023 00:34	WG2196005
Phenol	ND		0.396	1	12/31/2023 00:34	WG2196005
2,4,6-Trichlorophenol	ND		0.396	1	12/31/2023 00:34	WG2196005
(S) 2-Fluorophenol	*48.4*		*12.0-120*		*12/31/2023 00:34*	WG2196005
(S) Phenol-d5	*45.9*		*10.0-120*		*12/31/2023 00:34*	WG2196005
(S) Nitrobenzene-d5	*41.0*		*10.0-122*		*12/31/2023 00:34*	WG2196005
(S) 2-Fluorobiphenyl	*47.6*		*15.0-120*		*12/31/2023 00:34*	WG2196005
(S) 2,4,6-Tribromophenol	*43.2*		*10.0-127*		*12/31/2023 00:34*	WG2196005
(S) p-Terphenyl-d14	*49.2*		*10.0-120*		*12/31/2023 00:34*	WG2196005

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.9		1	12/22/2023 11:13	WG2194519

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	12/30/2023 09:58	WG2196212

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.168		0.0482	1	12/26/2023 17:05	WG2195330

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.62	5	01/21/2024 16:14	WG2208654
Arsenic	3.87		1.21	5	01/21/2024 16:14	WG2208654
Barium	158		3.02	5	01/21/2024 16:14	WG2208654
Beryllium	ND		3.02	5	01/21/2024 16:14	WG2208654
Cadmium	ND		1.21	5	01/21/2024 16:14	WG2208654
Chromium	15.7		6.03	5	01/21/2024 16:14	WG2208654
Cobalt	6.93		1.21	5	01/21/2024 16:14	WG2208654
Copper	189		12.1	10	01/21/2024 17:32	WG2208654
Lead	217		2.41	5	01/21/2024 16:14	WG2208654
Manganese	235		3.02	5	01/21/2024 16:14	WG2208654
Nickel	13.7		3.02	5	01/21/2024 16:14	WG2208654
Selenium	ND		3.02	5	01/21/2024 16:14	WG2208654
Silver	ND		0.603	5	01/21/2024 16:14	WG2208654
Thallium	ND		2.41	5	01/21/2024 16:14	WG2208654
Vanadium	21.5		3.02	5	01/21/2024 16:14	WG2208654
Zinc	248		30.2	5	01/21/2024 16:14	WG2208654

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		0.0706	1	12/27/2023 13:31	WG2196444
Acrylonitrile	ND		0.0177	1	12/27/2023 13:31	WG2196444
Benzene	ND		0.00141	1	12/27/2023 13:31	WG2196444
Bromobenzene	ND		0.0177	1	12/27/2023 13:31	WG2196444
Bromodichloromethane	ND		0.00353	1	12/27/2023 13:31	WG2196444
Bromoform	ND		0.0353	1	12/27/2023 13:31	WG2196444
Bromomethane	ND		0.0177	1	12/27/2023 13:31	WG2196444
n-Butylbenzene	ND		0.0177	1	12/27/2023 13:31	WG2196444
sec-Butylbenzene	ND		0.0177	1	12/27/2023 13:31	WG2196444
tert-Butylbenzene	ND		0.00706	1	12/27/2023 13:31	WG2196444
Carbon tetrachloride	ND		0.00706	1	12/27/2023 13:31	WG2196444
Chlorobenzene	ND		0.00353	1	12/27/2023 13:31	WG2196444
Chlorodibromomethane	ND		0.00353	1	12/27/2023 13:31	WG2196444
Chloroethane	ND		0.00706	1	12/27/2023 13:31	WG2196444
Chloroform	ND		0.00353	1	12/27/2023 13:31	WG2196444
Chloromethane	ND	J4	0.0177	1	12/27/2023 13:31	WG2196444
2-Chlorotoluene	ND		0.00353	1	12/27/2023 13:31	WG2196444
4-Chlorotoluene	ND		0.00706	1	12/27/2023 13:31	WG2196444
1,2-Dibromo-3-Chloropropane	ND		0.0353	1	12/27/2023 13:31	WG2196444

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	12/27/2023 13:31	WG2196444
Dibromomethane	ND		0.00706	1	12/27/2023 13:31	WG2196444
1,2-Dichlorobenzene	ND		0.00706	1	12/27/2023 13:31	WG2196444
1,3-Dichlorobenzene	ND		0.00706	1	12/27/2023 13:31	WG2196444
1,4-Dichlorobenzene	ND		0.00706	1	12/27/2023 13:31	WG2196444
Dichlorodifluoromethane	ND		0.00706	1	12/27/2023 13:31	WG2196444
1,1-Dichloroethane	ND		0.00353	1	12/27/2023 13:31	WG2196444
1,2-Dichloroethane	ND		0.00353	1	12/27/2023 13:31	WG2196444
1,1-Dichloroethene	ND		0.00353	1	12/27/2023 13:31	WG2196444
cis-1,2-Dichloroethene	ND		0.00353	1	12/27/2023 13:31	WG2196444
trans-1,2-Dichloroethene	ND		0.00706	1	12/27/2023 13:31	WG2196444
1,2-Dichloropropane	ND		0.00706	1	12/27/2023 13:31	WG2196444
1,1-Dichloropropene	ND		0.00353	1	12/27/2023 13:31	WG2196444
1,3-Dichloropropane	ND		0.00706	1	12/27/2023 13:31	WG2196444
cis-1,3-Dichloropropene	ND		0.00353	1	12/27/2023 13:31	WG2196444
trans-1,3-Dichloropropene	ND		0.00706	1	12/27/2023 13:31	WG2196444
2,2-Dichloropropane	ND		0.00353	1	12/27/2023 13:31	WG2196444
Di-isopropyl ether	ND		0.00141	1	12/27/2023 13:31	WG2196444
Ethylbenzene	ND		0.00353	1	12/27/2023 13:31	WG2196444
Hexachloro-1,3-butadiene	ND		0.0353	1	12/27/2023 13:31	WG2196444
Isopropylbenzene	ND		0.00353	1	12/27/2023 13:31	WG2196444
p-Isopropyltoluene	ND		0.00706	1	12/27/2023 13:31	WG2196444
2-Butanone (MEK)	ND		0.141	1	12/27/2023 13:31	WG2196444
Methylene Chloride	ND		0.0353	1	12/27/2023 13:31	WG2196444
4-Methyl-2-pentanone (MIBK)	ND		0.0353	1	12/27/2023 13:31	WG2196444
Methyl tert-butyl ether	ND		0.00141	1	12/27/2023 13:31	WG2196444
Naphthalene	ND		0.0177	1	12/27/2023 13:31	WG2196444
n-Propylbenzene	ND		0.00706	1	12/27/2023 13:31	WG2196444
Styrene	ND		0.0177	1	12/27/2023 13:31	WG2196444
1,1,1,2-Tetrachloroethane	ND		0.00353	1	12/27/2023 13:31	WG2196444
1,1,2,2-Tetrachloroethane	ND		0.00353	1	12/27/2023 13:31	WG2196444
Tetrachloroethene	ND		0.00353	1	12/27/2023 13:31	WG2196444
Toluene	ND		0.00706	1	12/27/2023 13:31	WG2196444
1,2,3-Trichlorobenzene	ND		0.0177	1	12/27/2023 13:31	WG2196444
1,2,4-Trichlorobenzene	ND		0.0177	1	12/27/2023 13:31	WG2196444
1,1,1-Trichloroethane	ND		0.00353	1	12/27/2023 13:31	WG2196444
1,1,2-Trichloroethane	ND		0.00353	1	12/27/2023 13:31	WG2196444
Trichloroethene	ND		0.00141	1	12/27/2023 13:31	WG2196444
Trichlorofluoromethane	ND		0.00353	1	12/27/2023 13:31	WG2196444
1,2,3-Trichloropropane	ND		0.0177	1	12/27/2023 13:31	WG2196444
1,2,4-Trimethylbenzene	ND		0.00706	1	12/27/2023 13:31	WG2196444
1,3,5-Trimethylbenzene	ND		0.00706	1	12/27/2023 13:31	WG2196444
Vinyl chloride	ND	J4	0.00353	1	12/27/2023 13:31	WG2196444
Xylenes, Total	ND		0.00918	1	12/27/2023 13:31	WG2196444
(S) Toluene-d8	*103*		*75.0-131*		*12/27/2023 13:31*	WG2196444
(S) 4-Bromofluorobenzene	*102*		*67.0-138*		*12/27/2023 13:31*	WG2196444
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*12/27/2023 13:31*	WG2196444

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	0.0832		0.0402	1	12/31/2023 00:54	WG2196005
Acenaphthylene	ND		0.0402	1	12/31/2023 00:54	WG2196005
Anthracene	0.182		0.0402	1	12/31/2023 00:54	WG2196005
Benzidine	ND		2.01	1	12/31/2023 00:54	WG2196005
Benzo(a)anthracene	0.467		0.0402	1	12/31/2023 00:54	WG2196005

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		0.0402	1	12/31/2023 00:54	WG2196005
Benzo(k)fluoranthene	0.176		0.0402	1	12/31/2023 00:54	WG2196005
Benzo(g,h,i)perylene	0.191		0.0402	1	12/31/2023 00:54	WG2196005
Benzo(a)pyrene	0.387		0.0402	1	12/31/2023 00:54	WG2196005
Bis(2-chlorethoxy)methane	ND		0.402	1	12/31/2023 00:54	WG2196005
Bis(2-chloroethyl)ether	ND		0.402	1	12/31/2023 00:54	WG2196005
2,2-Oxybis(1-Chloropropane)	ND		0.402	1	12/31/2023 00:54	WG2196005
4-Bromophenyl-phenylether	ND		0.402	1	12/31/2023 00:54	WG2196005
2-Chloronaphthalene	ND		0.0402	1	12/31/2023 00:54	WG2196005
4-Chlorophenyl-phenylether	ND		0.402	1	12/31/2023 00:54	WG2196005
Chrysene	0.432		0.0402	1	12/31/2023 00:54	WG2196005
Dibenz(a,h)anthracene	0.0534		0.0402	1	12/31/2023 00:54	WG2196005
3,3-Dichlorobenzidine	ND		0.402	1	12/31/2023 00:54	WG2196005
2,4-Dinitrotoluene	ND		0.402	1	12/31/2023 00:54	WG2196005
2,6-Dinitrotoluene	ND		0.402	1	12/31/2023 00:54	WG2196005
Fluoranthene	1.03		0.0402	1	12/31/2023 00:54	WG2196005
Fluorene	0.0765		0.0402	1	12/31/2023 00:54	WG2196005
Hexachlorobenzene	ND		0.402	1	12/31/2023 00:54	WG2196005
Hexachloro-1,3-butadiene	ND		0.402	1	12/31/2023 00:54	WG2196005
Hexachlorocyclopentadiene	ND		0.402	1	12/31/2023 00:54	WG2196005
Hexachloroethane	ND		0.402	1	12/31/2023 00:54	WG2196005
Indeno(1,2,3-cd)pyrene	0.218		0.0402	1	12/31/2023 00:54	WG2196005
Isophorone	ND		0.402	1	12/31/2023 00:54	WG2196005
Naphthalene	0.0501		0.0402	1	12/31/2023 00:54	WG2196005
Nitrobenzene	ND		0.402	1	12/31/2023 00:54	WG2196005
n-Nitrosodimethylamine	ND		0.402	1	12/31/2023 00:54	WG2196005
n-Nitrosodiphenylamine	ND		0.402	1	12/31/2023 00:54	WG2196005
n-Nitrosodi-n-propylamine	ND		0.402	1	12/31/2023 00:54	WG2196005
Phenanthrene	0.896		0.0402	1	12/31/2023 00:54	WG2196005
Benzylbutyl phthalate	ND		0.402	1	12/31/2023 00:54	WG2196005
Bis(2-ethylhexyl)phthalate	ND		0.402	1	12/31/2023 00:54	WG2196005
Di-n-butyl phthalate	ND		0.402	1	12/31/2023 00:54	WG2196005
Diethyl phthalate	ND		0.402	1	12/31/2023 00:54	WG2196005
Dimethyl phthalate	ND		0.402	1	12/31/2023 00:54	WG2196005
Di-n-octyl phthalate	ND		0.402	1	12/31/2023 00:54	WG2196005
Pyrene	0.849		0.0402	1	12/31/2023 00:54	WG2196005
1,2,4-Trichlorobenzene	ND		0.402	1	12/31/2023 00:54	WG2196005
4-Chloro-3-methylphenol	ND		0.402	1	12/31/2023 00:54	WG2196005
2-Chlorophenol	ND		0.402	1	12/31/2023 00:54	WG2196005
2,4-Dichlorophenol	ND		0.402	1	12/31/2023 00:54	WG2196005
2,4-Dimethylphenol	ND		0.402	1	12/31/2023 00:54	WG2196005
4,6-Dinitro-2-methylphenol	ND		0.402	1	12/31/2023 00:54	WG2196005
2,4-Dinitrophenol	ND		0.402	1	12/31/2023 00:54	WG2196005
2-Nitrophenol	ND		0.402	1	12/31/2023 00:54	WG2196005
4-Nitrophenol	ND		0.402	1	12/31/2023 00:54	WG2196005
Pentachlorophenol	ND		0.402	1	12/31/2023 00:54	WG2196005
Phenol	ND		0.402	1	12/31/2023 00:54	WG2196005
2,4,6-Trichlorophenol	ND		0.402	1	12/31/2023 00:54	WG2196005
(S) 2-Fluorophenol	*54.9*		*12.0-120*		*12/31/2023 00:54*	WG2196005
(S) Phenol-d5	*52.7*		*10.0-120*		*12/31/2023 00:54*	WG2196005
(S) Nitrobenzene-d5	*46.7*		*10.0-122*		*12/31/2023 00:54*	WG2196005
(S) 2-Fluorobiphenyl	*50.5*		*15.0-120*		*12/31/2023 00:54*	WG2196005
(S) 2,4,6-Tribromophenol	*49.4*		*10.0-127*		*12/31/2023 00:54*	WG2196005
(S) p-Terphenyl-d14	*60.6*		*10.0-120*		*12/31/2023 00:54*	WG2196005

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.6		1	12/22/2023 11:13	WG2194519

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.32		1.21	1	12/30/2023 10:16	WG2196212

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0968		0.0484	1	12/26/2023 17:12	WG2195330

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	O1	3.63	5	01/21/2024 12:46	WG2208654
Arsenic	2.82		1.21	5	01/21/2024 12:46	WG2208654
Barium	70.1		3.03	5	01/21/2024 12:46	WG2208654
Beryllium	ND		3.03	5	01/21/2024 12:46	WG2208654
Cadmium	ND		1.21	5	01/21/2024 12:46	WG2208654
Chromium	11.6		6.06	5	01/21/2024 12:46	WG2208654
Cobalt	4.82		1.21	5	01/21/2024 12:46	WG2208654
Copper	14.7		6.06	5	01/21/2024 12:46	WG2208654
Lead	45.4		2.42	5	01/21/2024 12:46	WG2208654
Manganese	150	J3 J5	3.03	5	01/21/2024 12:46	WG2208654
Nickel	8.31		3.03	5	01/21/2024 12:46	WG2208654
Selenium	ND		3.03	5	01/21/2024 12:46	WG2208654
Silver	ND		0.606	5	01/21/2024 12:46	WG2208654
Thallium	ND		2.42	5	01/21/2024 12:46	WG2208654
Vanadium	16.6		3.03	5	01/21/2024 12:46	WG2208654
Zinc	43.1		30.3	5	01/21/2024 12:46	WG2208654

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		0.0724	1	12/27/2023 13:50	WG2196444
Acrylonitrile	ND		0.0181	1	12/27/2023 13:50	WG2196444
Benzene	ND		0.00145	1	12/27/2023 13:50	WG2196444
Bromobenzene	ND		0.0181	1	12/27/2023 13:50	WG2196444
Bromodichloromethane	ND		0.00362	1	12/27/2023 13:50	WG2196444
Bromoform	ND		0.0362	1	12/27/2023 13:50	WG2196444
Bromomethane	ND		0.0181	1	12/27/2023 13:50	WG2196444
n-Butylbenzene	ND		0.0181	1	12/27/2023 13:50	WG2196444
sec-Butylbenzene	ND		0.0181	1	12/27/2023 13:50	WG2196444
tert-Butylbenzene	ND		0.00724	1	12/27/2023 13:50	WG2196444
Carbon tetrachloride	ND		0.00724	1	12/27/2023 13:50	WG2196444
Chlorobenzene	ND		0.00362	1	12/27/2023 13:50	WG2196444
Chlorodibromomethane	ND		0.00362	1	12/27/2023 13:50	WG2196444
Chloroethane	ND		0.00724	1	12/27/2023 13:50	WG2196444
Chloroform	ND		0.00362	1	12/27/2023 13:50	WG2196444
Chloromethane	ND	J4	0.0181	1	12/27/2023 13:50	WG2196444
2-Chlorotoluene	ND		0.00362	1	12/27/2023 13:50	WG2196444
4-Chlorotoluene	ND		0.00724	1	12/27/2023 13:50	WG2196444
1,2-Dibromo-3-Chloropropane	ND		0.0362	1	12/27/2023 13:50	WG2196444

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	12/27/2023 13:50	WG2196444
Dibromomethane	ND		0.00724	1	12/27/2023 13:50	WG2196444
1,2-Dichlorobenzene	ND		0.00724	1	12/27/2023 13:50	WG2196444
1,3-Dichlorobenzene	ND		0.00724	1	12/27/2023 13:50	WG2196444
1,4-Dichlorobenzene	ND		0.00724	1	12/27/2023 13:50	WG2196444
Dichlorodifluoromethane	ND		0.00724	1	12/27/2023 13:50	WG2196444
1,1-Dichloroethane	ND		0.00362	1	12/27/2023 13:50	WG2196444
1,2-Dichloroethane	ND		0.00362	1	12/27/2023 13:50	WG2196444
1,1-Dichloroethene	ND		0.00362	1	12/27/2023 13:50	WG2196444
cis-1,2-Dichloroethene	ND		0.00362	1	12/27/2023 13:50	WG2196444
trans-1,2-Dichloroethene	ND		0.00724	1	12/27/2023 13:50	WG2196444
1,2-Dichloropropane	ND		0.00724	1	12/27/2023 13:50	WG2196444
1,1-Dichloropropene	ND		0.00362	1	12/27/2023 13:50	WG2196444
1,3-Dichloropropane	ND		0.00724	1	12/27/2023 13:50	WG2196444
cis-1,3-Dichloropropene	ND		0.00362	1	12/27/2023 13:50	WG2196444
trans-1,3-Dichloropropene	ND		0.00724	1	12/27/2023 13:50	WG2196444
2,2-Dichloropropane	ND		0.00362	1	12/27/2023 13:50	WG2196444
Di-isopropyl ether	ND		0.00145	1	12/27/2023 13:50	WG2196444
Ethylbenzene	ND		0.00362	1	12/27/2023 13:50	WG2196444
Hexachloro-1,3-butadiene	ND		0.0362	1	12/27/2023 13:50	WG2196444
Isopropylbenzene	ND		0.00362	1	12/27/2023 13:50	WG2196444
p-Isopropyltoluene	ND		0.00724	1	12/27/2023 13:50	WG2196444
2-Butanone (MEK)	ND		0.145	1	12/27/2023 13:50	WG2196444
Methylene Chloride	ND		0.0362	1	12/27/2023 13:50	WG2196444
4-Methyl-2-pentanone (MIBK)	ND		0.0362	1	12/27/2023 13:50	WG2196444
Methyl tert-butyl ether	ND		0.00145	1	12/27/2023 13:50	WG2196444
Naphthalene	ND		0.0181	1	12/27/2023 13:50	WG2196444
n-Propylbenzene	ND		0.00724	1	12/27/2023 13:50	WG2196444
Styrene	ND		0.0181	1	12/27/2023 13:50	WG2196444
1,1,1,2-Tetrachloroethane	ND		0.00362	1	12/27/2023 13:50	WG2196444
1,1,2,2-Tetrachloroethane	ND		0.00362	1	12/27/2023 13:50	WG2196444
Tetrachloroethene	ND		0.00362	1	12/27/2023 13:50	WG2196444
Toluene	ND		0.00724	1	12/27/2023 13:50	WG2196444
1,2,3-Trichlorobenzene	ND		0.0181	1	12/27/2023 13:50	WG2196444
1,2,4-Trichlorobenzene	ND		0.0181	1	12/27/2023 13:50	WG2196444
1,1,1-Trichloroethane	ND		0.00362	1	12/27/2023 13:50	WG2196444
1,1,2-Trichloroethane	ND		0.00362	1	12/27/2023 13:50	WG2196444
Trichloroethene	ND		0.00145	1	12/27/2023 13:50	WG2196444
Trichlorofluoromethane	ND		0.00362	1	12/27/2023 13:50	WG2196444
1,2,3-Trichloropropane	ND		0.0181	1	12/27/2023 13:50	WG2196444
1,2,4-Trimethylbenzene	ND		0.00724	1	12/27/2023 13:50	WG2196444
1,3,5-Trimethylbenzene	ND		0.00724	1	12/27/2023 13:50	WG2196444
Vinyl chloride	ND	J4	0.00362	1	12/27/2023 13:50	WG2196444
Xylenes, Total	ND		0.00941	1	12/27/2023 13:50	WG2196444
(S) Toluene-d8	*104*		*75.0-131*		*12/27/2023 13:50*	WG2196444
(S) 4-Bromofluorobenzene	*96.6*		*67.0-138*		*12/27/2023 13:50*	WG2196444
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*12/27/2023 13:50*	WG2196444

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	12/31/2023 01:14	WG2196005
Acenaphthylene	ND		0.0403	1	12/31/2023 01:14	WG2196005
Anthracene	0.0627		0.0403	1	12/31/2023 01:14	WG2196005
Benzidine	ND		2.02	1	12/31/2023 01:14	WG2196005
Benzo(a)anthracene	0.316		0.0403	1	12/31/2023 01:14	WG2196005

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	0.407		0.0403	1	12/31/2023 01:14	WG2196005
Benzo(k)fluoranthene	0.133		0.0403	1	12/31/2023 01:14	WG2196005
Benzo(g,h,i)perylene	0.153		0.0403	1	12/31/2023 01:14	WG2196005
Benzo(a)pyrene	0.299		0.0403	1	12/31/2023 01:14	WG2196005
Bis(2-chlorethoxy)methane	ND		0.403	1	12/31/2023 01:14	WG2196005
Bis(2-chloroethyl)ether	ND		0.403	1	12/31/2023 01:14	WG2196005
2,2-Oxybis(1-Chloropropane)	ND		0.403	1	12/31/2023 01:14	WG2196005
4-Bromophenyl-phenylether	ND		0.403	1	12/31/2023 01:14	WG2196005
2-Chloronaphthalene	ND		0.0403	1	12/31/2023 01:14	WG2196005
4-Chlorophenyl-phenylether	ND		0.403	1	12/31/2023 01:14	WG2196005
Chrysene	0.308		0.0403	1	12/31/2023 01:14	WG2196005
Dibenz(a,h)anthracene	ND		0.0403	1	12/31/2023 01:14	WG2196005
3,3-Dichlorobenzidine	ND		0.403	1	12/31/2023 01:14	WG2196005
2,4-Dinitrotoluene	ND		0.403	1	12/31/2023 01:14	WG2196005
2,6-Dinitrotoluene	ND		0.403	1	12/31/2023 01:14	WG2196005
Fluoranthene	0.734		0.0403	1	12/31/2023 01:14	WG2196005
Fluorene	ND		0.0403	1	12/31/2023 01:14	WG2196005
Hexachlorobenzene	ND		0.403	1	12/31/2023 01:14	WG2196005
Hexachloro-1,3-butadiene	ND		0.403	1	12/31/2023 01:14	WG2196005
Hexachlorocyclopentadiene	ND		0.403	1	12/31/2023 01:14	WG2196005
Hexachloroethane	ND		0.403	1	12/31/2023 01:14	WG2196005
Indeno(1,2,3-cd)pyrene	0.165		0.0403	1	12/31/2023 01:14	WG2196005
Isophorone	ND		0.403	1	12/31/2023 01:14	WG2196005
Naphthalene	ND		0.0403	1	12/31/2023 01:14	WG2196005
Nitrobenzene	ND		0.403	1	12/31/2023 01:14	WG2196005
n-Nitrosodimethylamine	ND		0.403	1	12/31/2023 01:14	WG2196005
n-Nitrosodiphenylamine	ND		0.403	1	12/31/2023 01:14	WG2196005
n-Nitrosodi-n-propylamine	ND		0.403	1	12/31/2023 01:14	WG2196005
Phenanthrene	0.382		0.0403	1	12/31/2023 01:14	WG2196005
Benzylbutyl phthalate	ND		0.403	1	12/31/2023 01:14	WG2196005
Bis(2-ethylhexyl)phthalate	ND		0.403	1	12/31/2023 01:14	WG2196005
Di-n-butyl phthalate	ND		0.403	1	12/31/2023 01:14	WG2196005
Diethyl phthalate	ND		0.403	1	12/31/2023 01:14	WG2196005
Dimethyl phthalate	ND		0.403	1	12/31/2023 01:14	WG2196005
Di-n-octyl phthalate	ND		0.403	1	12/31/2023 01:14	WG2196005
Pyrene	0.569		0.0403	1	12/31/2023 01:14	WG2196005
1,2,4-Trichlorobenzene	ND		0.403	1	12/31/2023 01:14	WG2196005
4-Chloro-3-methylphenol	ND		0.403	1	12/31/2023 01:14	WG2196005
2-Chlorophenol	ND		0.403	1	12/31/2023 01:14	WG2196005
2,4-Dichlorophenol	ND		0.403	1	12/31/2023 01:14	WG2196005
2,4-Dimethylphenol	ND		0.403	1	12/31/2023 01:14	WG2196005
4,6-Dinitro-2-methylphenol	ND		0.403	1	12/31/2023 01:14	WG2196005
2,4-Dinitrophenol	ND		0.403	1	12/31/2023 01:14	WG2196005
2-Nitrophenol	ND		0.403	1	12/31/2023 01:14	WG2196005
4-Nitrophenol	ND		0.403	1	12/31/2023 01:14	WG2196005
Pentachlorophenol	ND		0.403	1	12/31/2023 01:14	WG2196005
Phenol	ND		0.403	1	12/31/2023 01:14	WG2196005
2,4,6-Trichlorophenol	ND		0.403	1	12/31/2023 01:14	WG2196005
(S) 2-Fluorophenol	*56.4*		*12.0-120*		*12/31/2023 01:14*	WG2196005
(S) Phenol-d5	*54.2*		*10.0-120*		*12/31/2023 01:14*	WG2196005
(S) Nitrobenzene-d5	*47.3*		*10.0-122*		*12/31/2023 01:14*	WG2196005
(S) 2-Fluorobiphenyl	*51.8*		*15.0-120*		*12/31/2023 01:14*	WG2196005
(S) 2,4,6-Tribromophenol	*56.4*		*10.0-127*		*12/31/2023 01:14*	WG2196005
(S) p-Terphenyl-d14	*56.9*		*10.0-120*		*12/31/2023 01:14*	WG2196005

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.4		1	12/22/2023 11:13	WG2194519

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	12/30/2023 10:22	WG2196212

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.132		0.0510	1	12/26/2023 17:15	WG2195330

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.82	5	01/21/2024 16:17	WG2208654
Arsenic	5.07		1.27	5	01/21/2024 16:17	WG2208654
Barium	103		3.19	5	01/21/2024 16:17	WG2208654
Beryllium	ND		3.19	5	01/21/2024 16:17	WG2208654
Cadmium	ND		1.27	5	01/21/2024 16:17	WG2208654
Chromium	21.1		6.37	5	01/21/2024 16:17	WG2208654
Cobalt	6.86		1.27	5	01/21/2024 16:17	WG2208654
Copper	22.7		6.37	5	01/21/2024 16:17	WG2208654
Lead	78.1		2.55	5	01/21/2024 16:17	WG2208654
Manganese	282		3.19	5	01/21/2024 16:17	WG2208654
Nickel	11.4		3.19	5	01/21/2024 16:17	WG2208654
Selenium	ND		3.19	5	01/21/2024 16:17	WG2208654
Silver	ND		0.637	5	01/21/2024 16:17	WG2208654
Thallium	ND		2.55	5	01/21/2024 16:17	WG2208654
Vanadium	27.6		3.19	5	01/21/2024 16:17	WG2208654
Zinc	85.9		31.9	5	01/21/2024 16:17	WG2208654

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	0.405		0.0801	1.04	12/27/2023 14:09	WG2196444
Acrylonitrile	ND		0.0200	1.04	12/27/2023 14:09	WG2196444
Benzene	0.00192		0.00160	1.04	12/27/2023 14:09	WG2196444
Bromobenzene	ND		0.0200	1.04	12/27/2023 14:09	WG2196444
Bromodichloromethane	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
Bromoform	ND		0.0400	1.04	12/27/2023 14:09	WG2196444
Bromomethane	ND		0.0200	1.04	12/27/2023 14:09	WG2196444
n-Butylbenzene	ND		0.0200	1.04	12/27/2023 14:09	WG2196444
sec-Butylbenzene	ND		0.0200	1.04	12/27/2023 14:09	WG2196444
tert-Butylbenzene	ND		0.00801	1.04	12/27/2023 14:09	WG2196444
Carbon tetrachloride	ND		0.00801	1.04	12/27/2023 14:09	WG2196444
Chlorobenzene	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
Chlorodibromomethane	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
Chloroethane	ND		0.00801	1.04	12/27/2023 14:09	WG2196444
Chloroform	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
Chloromethane	ND	J4	0.0200	1.04	12/27/2023 14:09	WG2196444
2-Chlorotoluene	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
4-Chlorotoluene	ND		0.00801	1.04	12/27/2023 14:09	WG2196444
1,2-Dibromo-3-Chloropropane	ND		0.0400	1.04	12/27/2023 14:09	WG2196444

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		0.00400	1.04	12/27/2023 14:09	WG2196444
Dibromomethane	ND		0.00801	1.04	12/27/2023 14:09	WG2196444
1,2-Dichlorobenzene	ND		0.00801	1.04	12/27/2023 14:09	WG2196444
1,3-Dichlorobenzene	ND		0.00801	1.04	12/27/2023 14:09	WG2196444
1,4-Dichlorobenzene	ND		0.00801	1.04	12/27/2023 14:09	WG2196444
Dichlorodifluoromethane	ND		0.00801	1.04	12/27/2023 14:09	WG2196444
1,1-Dichloroethane	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
1,2-Dichloroethane	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
1,1-Dichloroethene	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
cis-1,2-Dichloroethene	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
trans-1,2-Dichloroethene	ND		0.00801	1.04	12/27/2023 14:09	WG2196444
1,2-Dichloropropane	ND		0.00801	1.04	12/27/2023 14:09	WG2196444
1,1-Dichloropropene	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
1,3-Dichloropropane	ND		0.00801	1.04	12/27/2023 14:09	WG2196444
cis-1,3-Dichloropropene	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
trans-1,3-Dichloropropene	ND		0.00801	1.04	12/27/2023 14:09	WG2196444
2,2-Dichloropropane	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
Di-isopropyl ether	ND		0.00160	1.04	12/27/2023 14:09	WG2196444
Ethylbenzene	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
Hexachloro-1,3-butadiene	ND		0.0400	1.04	12/27/2023 14:09	WG2196444
Isopropylbenzene	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
p-Isopropyltoluene	ND		0.00801	1.04	12/27/2023 14:09	WG2196444
2-Butanone (MEK)	ND		0.160	1.04	12/27/2023 14:09	WG2196444
Methylene Chloride	ND		0.0400	1.04	12/27/2023 14:09	WG2196444
4-Methyl-2-pentanone (MIBK)	ND		0.0400	1.04	12/27/2023 14:09	WG2196444
Methyl tert-butyl ether	0.0127		0.00160	1.04	12/27/2023 14:09	WG2196444
Naphthalene	0.0217		0.0200	1.04	12/27/2023 14:09	WG2196444
n-Propylbenzene	ND		0.00801	1.04	12/27/2023 14:09	WG2196444
Styrene	ND		0.0200	1.04	12/27/2023 14:09	WG2196444
1,1,1,2-Tetrachloroethane	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
1,1,2,2-Tetrachloroethane	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
Tetrachloroethene	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
Toluene	0.0180		0.00801	1.04	12/27/2023 14:09	WG2196444
1,2,3-Trichlorobenzene	ND		0.0200	1.04	12/27/2023 14:09	WG2196444
1,2,4-Trichlorobenzene	ND		0.0200	1.04	12/27/2023 14:09	WG2196444
1,1,1-Trichloroethane	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
1,1,2-Trichloroethane	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
Trichloroethene	ND		0.00160	1.04	12/27/2023 14:09	WG2196444
Trichlorofluoromethane	ND		0.00400	1.04	12/27/2023 14:09	WG2196444
1,2,3-Trichloropropane	ND		0.0200	1.04	12/27/2023 14:09	WG2196444
1,2,4-Trimethylbenzene	ND		0.00801	1.04	12/27/2023 14:09	WG2196444
1,3,5-Trimethylbenzene	ND		0.00801	1.04	12/27/2023 14:09	WG2196444
Vinyl chloride	ND	J4	0.00400	1.04	12/27/2023 14:09	WG2196444
Xylenes, Total	0.0306		0.0104	1.04	12/27/2023 14:09	WG2196444
(S) Toluene-d8	*104*		*75.0-131*		*12/27/2023 14:09*	WG2196444
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*12/27/2023 14:09*	WG2196444
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*12/27/2023 14:09*	WG2196444

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		0.0425	1	12/29/2023 21:49	WG2196008
Acenaphthylene	ND		0.0425	1	12/29/2023 21:49	WG2196008
Anthracene	0.0604		0.0425	1	12/29/2023 21:49	WG2196008
Benzidine	ND		2.13	1	12/29/2023 21:49	WG2196008
Benzo(a)anthracene	0.319		0.0425	1	12/29/2023 21:49	WG2196008

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	0.400		0.0425	1	12/29/2023 21:49	WG2196008
Benzo(k)fluoranthene	0.134		0.0425	1	12/29/2023 21:49	WG2196008
Benzo(g,h,i)perylene	0.153		0.0425	1	12/29/2023 21:49	WG2196008
Benzo(a)pyrene	0.298		0.0425	1	12/29/2023 21:49	WG2196008
Bis(2-chlorethoxy)methane	ND		0.425	1	12/29/2023 21:49	WG2196008
Bis(2-chloroethyl)ether	ND		0.425	1	12/29/2023 21:49	WG2196008
2,2-Oxybis(1-Chloropropane)	ND		0.425	1	12/29/2023 21:49	WG2196008
4-Bromophenyl-phenylether	ND		0.425	1	12/29/2023 21:49	WG2196008
2-Chloronaphthalene	ND		0.0425	1	12/29/2023 21:49	WG2196008
4-Chlorophenyl-phenylether	ND		0.425	1	12/29/2023 21:49	WG2196008
Chrysene	0.315		0.0425	1	12/29/2023 21:49	WG2196008
Dibenz(a,h)anthracene	ND		0.0425	1	12/29/2023 21:49	WG2196008
3,3-Dichlorobenzidine	ND		0.425	1	12/29/2023 21:49	WG2196008
2,4-Dinitrotoluene	ND		0.425	1	12/29/2023 21:49	WG2196008
2,6-Dinitrotoluene	ND		0.425	1	12/29/2023 21:49	WG2196008
Fluoranthene	0.683		0.0425	1	12/29/2023 21:49	WG2196008
Fluorene	ND		0.0425	1	12/29/2023 21:49	WG2196008
Hexachlorobenzene	ND		0.425	1	12/29/2023 21:49	WG2196008
Hexachloro-1,3-butadiene	ND		0.425	1	12/29/2023 21:49	WG2196008
Hexachlorocyclopentadiene	ND		0.425	1	12/29/2023 21:49	WG2196008
Hexachloroethane	ND		0.425	1	12/29/2023 21:49	WG2196008
Indeno(1,2,3-cd)pyrene	0.168		0.0425	1	12/29/2023 21:49	WG2196008
Isophorone	ND		0.425	1	12/29/2023 21:49	WG2196008
Naphthalene	ND		0.0425	1	12/29/2023 21:49	WG2196008
Nitrobenzene	ND		0.425	1	12/29/2023 21:49	WG2196008
n-Nitrosodimethylamine	ND		0.425	1	12/29/2023 21:49	WG2196008
n-Nitrosodiphenylamine	ND		0.425	1	12/29/2023 21:49	WG2196008
n-Nitrosodi-n-propylamine	ND		0.425	1	12/29/2023 21:49	WG2196008
Phenanthrene	0.338		0.0425	1	12/29/2023 21:49	WG2196008
Benzylbutyl phthalate	ND		0.425	1	12/29/2023 21:49	WG2196008
Bis(2-ethylhexyl)phthalate	ND		0.425	1	12/29/2023 21:49	WG2196008
Di-n-butyl phthalate	ND		0.425	1	12/29/2023 21:49	WG2196008
Diethyl phthalate	ND		0.425	1	12/29/2023 21:49	WG2196008
Dimethyl phthalate	ND		0.425	1	12/29/2023 21:49	WG2196008
Di-n-octyl phthalate	ND		0.425	1	12/29/2023 21:49	WG2196008
Pyrene	0.547		0.0425	1	12/29/2023 21:49	WG2196008
1,2,4-Trichlorobenzene	ND		0.425	1	12/29/2023 21:49	WG2196008
4-Chloro-3-methylphenol	ND		0.425	1	12/29/2023 21:49	WG2196008
2-Chlorophenol	ND		0.425	1	12/29/2023 21:49	WG2196008
2,4-Dichlorophenol	ND		0.425	1	12/29/2023 21:49	WG2196008
2,4-Dimethylphenol	ND		0.425	1	12/29/2023 21:49	WG2196008
4,6-Dinitro-2-methylphenol	ND		0.425	1	12/29/2023 21:49	WG2196008
2,4-Dinitrophenol	ND		0.425	1	12/29/2023 21:49	WG2196008
2-Nitrophenol	ND		0.425	1	12/29/2023 21:49	WG2196008
4-Nitrophenol	ND		0.425	1	12/29/2023 21:49	WG2196008
Pentachlorophenol	ND		0.425	1	12/29/2023 21:49	WG2196008
Phenol	ND		0.425	1	12/29/2023 21:49	WG2196008
2,4,6-Trichlorophenol	ND		0.425	1	12/29/2023 21:49	WG2196008
(S) 2-Fluorophenol	*47.5*		*12.0-120*		*12/29/2023 21:49*	WG2196008
(S) Phenol-d5	*44.6*		*10.0-120*		*12/29/2023 21:49*	WG2196008
(S) Nitrobenzene-d5	*49.5*		*10.0-122*		*12/29/2023 21:49*	WG2196008
(S) 2-Fluorobiphenyl	*47.7*		*15.0-120*		*12/29/2023 21:49*	WG2196008
(S) 2,4,6-Tribromophenol	*76.2*		*10.0-127*		*12/29/2023 21:49*	WG2196008
(S) p-Terphenyl-d14	*50.2*		*10.0-120*		*12/29/2023 21:49*	WG2196008

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.9		1	12/22/2023 11:13	WG2194519

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	12/30/2023 10:29	WG2196212

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.126		0.0488	1	12/26/2023 17:17	WG2195330

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.66	5	01/21/2024 16:20	WG2208654
Arsenic	5.23		1.22	5	01/21/2024 16:20	WG2208654
Barium	125		3.05	5	01/21/2024 16:20	WG2208654
Beryllium	ND		3.05	5	01/21/2024 16:20	WG2208654
Cadmium	ND		1.22	5	01/21/2024 16:20	WG2208654
Chromium	24.1		6.10	5	01/21/2024 16:20	WG2208654
Cobalt	9.63		1.22	5	01/21/2024 16:20	WG2208654
Copper	38.5		6.10	5	01/21/2024 16:20	WG2208654
Lead	132		2.44	5	01/21/2024 16:20	WG2208654
Manganese	326		3.05	5	01/21/2024 16:20	WG2208654
Nickel	14.3		3.05	5	01/21/2024 16:20	WG2208654
Selenium	ND		3.05	5	01/21/2024 16:20	WG2208654
Silver	ND		0.610	5	01/21/2024 16:20	WG2208654
Thallium	ND		2.44	5	01/21/2024 16:20	WG2208654
Vanadium	30.3		3.05	5	01/21/2024 16:20	WG2208654
Zinc	146		30.5	5	01/21/2024 16:20	WG2208654

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		0.0724	1	12/27/2023 14:28	WG2196444
Acrylonitrile	ND		0.0181	1	12/27/2023 14:28	WG2196444
Benzene	ND		0.00145	1	12/27/2023 14:28	WG2196444
Bromobenzene	ND		0.0181	1	12/27/2023 14:28	WG2196444
Bromodichloromethane	ND		0.00362	1	12/27/2023 14:28	WG2196444
Bromoform	ND		0.0362	1	12/27/2023 14:28	WG2196444
Bromomethane	ND		0.0181	1	12/27/2023 14:28	WG2196444
n-Butylbenzene	ND		0.0181	1	12/27/2023 14:28	WG2196444
sec-Butylbenzene	ND		0.0181	1	12/27/2023 14:28	WG2196444
tert-Butylbenzene	ND		0.00724	1	12/27/2023 14:28	WG2196444
Carbon tetrachloride	ND		0.00724	1	12/27/2023 14:28	WG2196444
Chlorobenzene	ND		0.00362	1	12/27/2023 14:28	WG2196444
Chlorodibromomethane	ND		0.00362	1	12/27/2023 14:28	WG2196444
Chloroethane	ND		0.00724	1	12/27/2023 14:28	WG2196444
Chloroform	ND		0.00362	1	12/27/2023 14:28	WG2196444
Chloromethane	ND	J4	0.0181	1	12/27/2023 14:28	WG2196444
2-Chlorotoluene	ND		0.00362	1	12/27/2023 14:28	WG2196444
4-Chlorotoluene	ND		0.00724	1	12/27/2023 14:28	WG2196444
1,2-Dibromo-3-Chloropropane	ND		0.0362	1	12/27/2023 14:28	WG2196444

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	12/27/2023 14:28	WG2196444
Dibromomethane	ND		0.00724	1	12/27/2023 14:28	WG2196444
1,2-Dichlorobenzene	ND		0.00724	1	12/27/2023 14:28	WG2196444
1,3-Dichlorobenzene	ND		0.00724	1	12/27/2023 14:28	WG2196444
1,4-Dichlorobenzene	ND		0.00724	1	12/27/2023 14:28	WG2196444
Dichlorodifluoromethane	ND		0.00724	1	12/27/2023 14:28	WG2196444
1,1-Dichloroethane	ND		0.00362	1	12/27/2023 14:28	WG2196444
1,2-Dichloroethane	ND		0.00362	1	12/27/2023 14:28	WG2196444
1,1-Dichloroethene	ND		0.00362	1	12/27/2023 14:28	WG2196444
cis-1,2-Dichloroethene	ND		0.00362	1	12/27/2023 14:28	WG2196444
trans-1,2-Dichloroethene	ND		0.00724	1	12/27/2023 14:28	WG2196444
1,2-Dichloropropane	ND		0.00724	1	12/27/2023 14:28	WG2196444
1,1-Dichloropropene	ND		0.00362	1	12/27/2023 14:28	WG2196444
1,3-Dichloropropane	ND		0.00724	1	12/27/2023 14:28	WG2196444
cis-1,3-Dichloropropene	ND		0.00362	1	12/27/2023 14:28	WG2196444
trans-1,3-Dichloropropene	ND		0.00724	1	12/27/2023 14:28	WG2196444
2,2-Dichloropropane	ND		0.00362	1	12/27/2023 14:28	WG2196444
Di-isopropyl ether	ND		0.00145	1	12/27/2023 14:28	WG2196444
Ethylbenzene	ND		0.00362	1	12/27/2023 14:28	WG2196444
Hexachloro-1,3-butadiene	ND		0.0362	1	12/27/2023 14:28	WG2196444
Isopropylbenzene	ND		0.00362	1	12/27/2023 14:28	WG2196444
p-Isopropyltoluene	ND		0.00724	1	12/27/2023 14:28	WG2196444
2-Butanone (MEK)	ND		0.145	1	12/27/2023 14:28	WG2196444
Methylene Chloride	ND		0.0362	1	12/27/2023 14:28	WG2196444
4-Methyl-2-pentanone (MIBK)	ND		0.0362	1	12/27/2023 14:28	WG2196444
Methyl tert-butyl ether	ND		0.00145	1	12/27/2023 14:28	WG2196444
Naphthalene	0.0568		0.0181	1	12/27/2023 14:28	WG2196444
n-Propylbenzene	ND		0.00724	1	12/27/2023 14:28	WG2196444
Styrene	ND		0.0181	1	12/27/2023 14:28	WG2196444
1,1,1,2-Tetrachloroethane	ND		0.00362	1	12/27/2023 14:28	WG2196444
1,1,2,2-Tetrachloroethane	ND		0.00362	1	12/27/2023 14:28	WG2196444
Tetrachloroethene	ND		0.00362	1	12/27/2023 14:28	WG2196444
Toluene	0.0125		0.00724	1	12/27/2023 14:28	WG2196444
1,2,3-Trichlorobenzene	ND		0.0181	1	12/27/2023 14:28	WG2196444
1,2,4-Trichlorobenzene	ND		0.0181	1	12/27/2023 14:28	WG2196444
1,1,1-Trichloroethane	ND		0.00362	1	12/27/2023 14:28	WG2196444
1,1,2-Trichloroethane	ND		0.00362	1	12/27/2023 14:28	WG2196444
Trichloroethene	ND		0.00145	1	12/27/2023 14:28	WG2196444
Trichlorofluoromethane	ND		0.00362	1	12/27/2023 14:28	WG2196444
1,2,3-Trichloropropane	ND		0.0181	1	12/27/2023 14:28	WG2196444
1,2,4-Trimethylbenzene	ND		0.00724	1	12/27/2023 14:28	WG2196444
1,3,5-Trimethylbenzene	ND		0.00724	1	12/27/2023 14:28	WG2196444
Vinyl chloride	ND	J4	0.00362	1	12/27/2023 14:28	WG2196444
Xylenes, Total	0.0226		0.00941	1	12/27/2023 14:28	WG2196444
(S) Toluene-d8	*107*		*75.0-131*		*12/27/2023 14:28*	WG2196444
(S) 4-Bromofluorobenzene	*95.3*		*67.0-138*		*12/27/2023 14:28*	WG2196444
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*12/27/2023 14:28*	WG2196444

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		0.204	5	12/29/2023 22:32	WG2196008
Acenaphthylene	ND		0.204	5	12/29/2023 22:32	WG2196008
Anthracene	ND		0.204	5	12/29/2023 22:32	WG2196008
Benzidine	ND		10.2	5	12/29/2023 22:32	WG2196008
Benzo(a)anthracene	0.792		0.204	5	12/29/2023 22:32	WG2196008

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	1.11		0.204	5	12/29/2023 22:32	WG2196008
Benzo(k)fluoranthene	0.419		0.204	5	12/29/2023 22:32	WG2196008
Benzo(g,h,i)perylene	0.432		0.204	5	12/29/2023 22:32	WG2196008
Benzo(a)pyrene	0.815		0.204	5	12/29/2023 22:32	WG2196008
Bis(2-chlorethoxy)methane	ND		2.04	5	12/29/2023 22:32	WG2196008
Bis(2-chloroethyl)ether	ND		2.04	5	12/29/2023 22:32	WG2196008
2,2-Oxybis(1-Chloropropane)	ND		2.04	5	12/29/2023 22:32	WG2196008
4-Bromophenyl-phenylether	ND		2.04	5	12/29/2023 22:32	WG2196008
2-Chloronaphthalene	ND		0.204	5	12/29/2023 22:32	WG2196008
4-Chlorophenyl-phenylether	ND		2.04	5	12/29/2023 22:32	WG2196008
Chrysene	0.859		0.204	5	12/29/2023 22:32	WG2196008
Dibenz(a,h)anthracene	ND		0.204	5	12/29/2023 22:32	WG2196008
3,3-Dichlorobenzidine	ND		2.04	5	12/29/2023 22:32	WG2196008
2,4-Dinitrotoluene	ND		2.04	5	12/29/2023 22:32	WG2196008
2,6-Dinitrotoluene	ND		2.04	5	12/29/2023 22:32	WG2196008
Fluoranthene	1.82		0.204	5	12/29/2023 22:32	WG2196008
Fluorene	ND		0.204	5	12/29/2023 22:32	WG2196008
Hexachlorobenzene	ND		2.04	5	12/29/2023 22:32	WG2196008
Hexachloro-1,3-butadiene	ND		2.04	5	12/29/2023 22:32	WG2196008
Hexachlorocyclopentadiene	ND		2.04	5	12/29/2023 22:32	WG2196008
Hexachloroethane	ND		2.04	5	12/29/2023 22:32	WG2196008
Indeno(1,2,3-cd)pyrene	0.511		0.204	5	12/29/2023 22:32	WG2196008
Isophorone	ND		2.04	5	12/29/2023 22:32	WG2196008
Naphthalene	ND		0.204	5	12/29/2023 22:32	WG2196008
Nitrobenzene	ND		2.04	5	12/29/2023 22:32	WG2196008
n-Nitrosodimethylamine	ND		2.04	5	12/29/2023 22:32	WG2196008
n-Nitrosodiphenylamine	ND		2.04	5	12/29/2023 22:32	WG2196008
n-Nitrosodi-n-propylamine	ND		2.04	5	12/29/2023 22:32	WG2196008
Phenanthrene	1.16		0.204	5	12/29/2023 22:32	WG2196008
Benzylbutyl phthalate	ND		2.04	5	12/29/2023 22:32	WG2196008
Bis(2-ethylhexyl)phthalate	ND		2.04	5	12/29/2023 22:32	WG2196008
Di-n-butyl phthalate	ND		2.04	5	12/29/2023 22:32	WG2196008
Diethyl phthalate	ND		2.04	5	12/29/2023 22:32	WG2196008
Dimethyl phthalate	ND		2.04	5	12/29/2023 22:32	WG2196008
Di-n-octyl phthalate	ND		2.04	5	12/29/2023 22:32	WG2196008
Pyrene	1.45		0.204	5	12/29/2023 22:32	WG2196008
1,2,4-Trichlorobenzene	ND		2.04	5	12/29/2023 22:32	WG2196008
4-Chloro-3-methylphenol	ND		2.04	5	12/29/2023 22:32	WG2196008
2-Chlorophenol	ND		2.04	5	12/29/2023 22:32	WG2196008
2,4-Dichlorophenol	ND		2.04	5	12/29/2023 22:32	WG2196008
2,4-Dimethylphenol	ND		2.04	5	12/29/2023 22:32	WG2196008
4,6-Dinitro-2-methylphenol	ND		2.04	5	12/29/2023 22:32	WG2196008
2,4-Dinitrophenol	ND		2.04	5	12/29/2023 22:32	WG2196008
2-Nitrophenol	ND		2.04	5	12/29/2023 22:32	WG2196008
4-Nitrophenol	ND		2.04	5	12/29/2023 22:32	WG2196008
Pentachlorophenol	ND		2.04	5	12/29/2023 22:32	WG2196008
Phenol	ND		2.04	5	12/29/2023 22:32	WG2196008
2,4,6-Trichlorophenol	ND		2.04	5	12/29/2023 22:32	WG2196008
(S) 2-Fluorophenol	*63.3*		*12.0-120*		*12/29/2023 22:32*	WG2196008
(S) Phenol-d5	*56.9*		*10.0-120*		*12/29/2023 22:32*	WG2196008
(S) Nitrobenzene-d5	*69.3*		*10.0-122*		*12/29/2023 22:32*	WG2196008
(S) 2-Fluorobiphenyl	*59.6*		*15.0-120*		*12/29/2023 22:32*	WG2196008
(S) 2,4,6-Tribromophenol	*86.0*		*10.0-127*		*12/29/2023 22:32*	WG2196008
(S) p-Terphenyl-d14	*61.7*		*10.0-120*		*12/29/2023 22:32*	WG2196008

QUALITY CONTROL SUMMARY

L1690596-01,02

Method Blank (MB)

(MB) R4016195-1 12/22/23 11:28

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1690563-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1690563-05 12/22/23 11:28 • (DUP) R4016195-3 12/22/23 11:28

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	73.5	72.5	1	1.36		10

Laboratory Control Sample (LCS)

(LCS) R4016195-2 12/22/23 11:28

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

Method Blank (MB)

(MB) R4016193-1 12/22/23 11:13

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

L1690596-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1690596-07 12/22/23 11:13 • (DUP) R4016193-3 12/22/23 11:13

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	82.9	82.5	1	0.518		10

Laboratory Control Sample (LCS)

(LCS) R4016193-2 12/22/23 11:13

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

QUALITY CONTROL SUMMARY

L1690596-01,02,03,04,05,06,07,08,09,10

Method Blank (MB)

(MB) R4018312-1 12/29/23 15:34

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

L1690311-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1690311-17 12/29/23 15:49 • (DUP) R4018312-3 12/29/23 15:55

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	2.02	1.42	1	34.9	P1	20

L1690638-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1690638-02 12/30/23 10:41 • (DUP) R4018312-8 12/30/23 10:47

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

Laboratory Control Sample (LCS)

(LCS) R4018312-2 12/29/23 15:43

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	

L1690311-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690311-18 12/29/23 16:01 • (MS) R4018312-4 12/29/23 16:07 • (MSD) R4018312-5 12/29/23 16:14

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 %
Hexavalent Chromium	21.8	3.13	24.3	17.0	97.2	63.5	1	75.0-125		J3 J6	35.6	20

L1690311-18 Original Sample (OS) • Matrix Spike (MS)

(OS) L1690311-18 12/29/23 16:01 • (MS) R4018312-6 12/29/23 16:20

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	694	3.13	913	132	50	75.0-125	J5

QUALITY CONTROL SUMMARY

L1690596-01,02,03,04,05,06,07,08,09,10

Method Blank (MB)

(MB) R4016811-1 12/26/23 16:01

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4016811-2 12/26/23 16:03

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.540	108	80.0-120	

L1690870-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690870-06 12/26/23 16:11 • (MS) R4016811-3 12/26/23 16:13 • (MSD) R4016811-4 12/26/23 16:16

	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
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.603	ND	0.615	0.545	102	90.4	1	75.0-125			12.0	20

QUALITY CONTROL SUMMARY

L1690596-01,02,03

Method Blank (MB)

(MB) R4018559-1 12/31/23 14:10

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

Laboratory Control Sample (LCS)

(LCS) R4018559-2 12/31/23 14:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	115	115	80.0-120	
Arsenic	100	99.8	99.8	80.0-120	
Barium	100	95.9	95.9	80.0-120	
Beryllium	100	101	101	80.0-120	
Cadmium	100	101	101	80.0-120	
Chromium	100	103	103	80.0-120	
Cobalt	100	103	103	80.0-120	
Copper	100	95.0	95.0	80.0-120	
Lead	100	99.7	99.7	80.0-120	
Manganese	100	103	103	80.0-120	
Nickel	100	102	102	80.0-120	
Selenium	100	105	105	80.0-120	
Silver	20.0	20.1	100	80.0-120	
Thallium	100	97.4	97.4	80.0-120	
Vanadium	100	103	103	80.0-120	
Zinc	100	96.5	96.5	80.0-120	

L1690278-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690278-16 12/31/23 14:17 • (MS) R4018559-5 12/31/23 14:27 • (MSD) R4018559-6 12/31/23 14:30

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 %
Antimony	119	ND	54.0	38.8	45.1	36.1	5	75.0-125	J6	J3 J6	32.9	20
Arsenic	119	1.61	106	98.3	87.1	90.7	5	75.0-125			7.18	20
Barium	119	67.0	210	199	120	124	5	75.0-125			5.24	20
Beryllium	119	ND	129	112	107	105	5	75.0-125			13.9	20
Cadmium	119	ND	129	111	108	104	5	75.0-125			14.5	20
Chromium	119	20.2	141	130	101	103	5	75.0-125			7.69	20
Cobalt	119	7.93	128	116	100	101	5	75.0-125			9.83	20
Copper	119	15.8	128	116	94.3	94.1	5	75.0-125			10.0	20
Lead	119	39.1	142	126	86.1	81.7	5	75.0-125			11.7	20
Manganese	119	213	303	392	75.4	168	5	75.0-125		J3 J5	25.6	20
Nickel	119	21.7	141	134	100	106	5	75.0-125			5.15	20
Selenium	119	ND	125	109	104	102	5	75.0-125			13.9	20
Silver	23.9	ND	24.5	22.0	103	103	5	75.0-125			11.0	20
Thallium	119	ND	121	106	101	99.0	5	75.0-125			13.3	20
Vanadium	119	32.7	151	139	99.2	99.9	5	75.0-125			8.25	20
Zinc	119	38.2	149	143	92.3	98.7	5	75.0-125			3.44	20

Method Blank (MB)

(MB) R4024684-2 01/21/24 12:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.166	3.00
Arsenic	0.227	J	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	0.226	J	0.133	5.00
Lead	U		0.0990	2.00
Manganese	U		0.269	2.50
Nickel	U		0.197	2.50
Selenium	U		0.180	2.50
Silver	U		0.0865	0.500
Thallium	U		0.0650	2.00
Vanadium	U		0.187	2.50
Zinc	U		0.740	25.0

Laboratory Control Sample (LCS)

(LCS) R4024684-3 01/21/24 12:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	117	117	80.0-120	
Arsenic	100	106	106	80.0-120	
Barium	100	101	101	80.0-120	
Beryllium	100	96.7	96.7	80.0-120	
Cadmium	100	106	106	80.0-120	
Chromium	100	107	107	80.0-120	
Cobalt	100	107	107	80.0-120	
Copper	100	97.7	97.7	80.0-120	
Lead	100	106	106	80.0-120	
Manganese	100	106	106	80.0-120	
Nickel	100	107	107	80.0-120	
Selenium	100	105	105	80.0-120	
Silver	20.0	20.6	103	80.0-120	
Thallium	100	104	104	80.0-120	
Vanadium	100	106	106	80.0-120	
Zinc	100	97.7	97.7	80.0-120	

L1690596-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690596-08 01/21/24 12:46 • (MS) R4024684-6 01/21/24 12:56 • (MSD) R4024684-7 01/21/24 13:00

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	121	ND	110	96.1	90.8	79.1	5	75.0-125			13.7	20
Arsenic	121	2.82	113	106	90.6	85.2	5	75.0-125			5.99	20
Barium	121	70.1	191	194	100	103	5	75.0-125			1.51	20
Beryllium	121	ND	107	102	88.1	83.6	5	75.0-125			5.15	20
Cadmium	121	ND	120	115	99.3	95.1	5	75.0-125			4.23	20
Chromium	121	11.6	127	123	94.9	91.8	5	75.0-125			2.98	20
Cobalt	121	4.82	122	116	96.7	91.5	5	75.0-125			5.28	20
Copper	121	14.7	127	123	92.5	89.0	5	75.0-125			3.39	20
Lead	121	45.4	162	171	95.9	104	5	75.0-125			5.85	20
Manganese	121	150	273	340	101	156	5	75.0-125		J3 J5	21.8	20
Nickel	121	8.31	126	119	96.9	91.1	5	75.0-125			5.72	20
Selenium	121	ND	113	107	92.7	87.7	5	75.0-125			5.47	20
Silver	24.2	ND	22.6	23.4	93.1	96.4	5	75.0-125			3.43	20
Thallium	121	ND	113	114	93.3	94.3	5	75.0-125			1.11	20
Vanadium	121	16.6	132	127	95.3	91.1	5	75.0-125			3.88	20
Zinc	121	43.1	155	152	92.0	90.0	5	75.0-125			1.54	20

Method Blank (MB)

(MB) R4017087-2 12/27/23 09:25

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	0.00153	J	0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4017087-2 12/27/23 09:25

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	*100*			*75.0-131*
(S) 4-Bromofluorobenzene	*102*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4017087-1 12/27/23 08:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.645	103	10.0-160	
Acrylonitrile	0.625	0.669	107	45.0-153	
Benzene	0.125	0.121	96.8	70.0-123	
Bromobenzene	0.125	0.132	106	73.0-121	
Bromodichloromethane	0.125	0.137	110	73.0-121	
Bromoform	0.125	0.137	110	64.0-132	
Bromomethane	0.125	0.169	135	56.0-147	

Laboratory Control Sample (LCS)

(LCS) R4017087-1 12/27/23 08:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
n-Butylbenzene	0.125	0.140	112	68.0-135	
sec-Butylbenzene	0.125	0.141	113	74.0-130	
tert-Butylbenzene	0.125	0.139	111	75.0-127	
Carbon tetrachloride	0.125	0.147	118	66.0-128	
Chlorobenzene	0.125	0.129	103	76.0-128	
Chlorodibromomethane	0.125	0.143	114	74.0-127	
Chloroethane	0.125	0.156	125	61.0-134	
Chloroform	0.125	0.132	106	72.0-123	
Chloromethane	0.125	0.203	162	51.0-138	J4
2-Chlorotoluene	0.125	0.123	98.4	75.0-124	
4-Chlorotoluene	0.125	0.132	106	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.143	114	59.0-130	
1,2-Dibromoethane	0.125	0.134	107	74.0-128	
Dibromomethane	0.125	0.133	106	75.0-122	
1,2-Dichlorobenzene	0.125	0.134	107	76.0-124	
1,3-Dichlorobenzene	0.125	0.135	108	76.0-125	
1,4-Dichlorobenzene	0.125	0.131	105	77.0-121	
Dichlorodifluoromethane	0.125	0.121	96.8	43.0-156	
1,1-Dichloroethane	0.125	0.138	110	70.0-127	
1,2-Dichloroethane	0.125	0.141	113	65.0-131	
1,1-Dichloroethene	0.125	0.136	109	65.0-131	
cis-1,2-Dichloroethene	0.125	0.121	96.8	73.0-125	
trans-1,2-Dichloroethene	0.125	0.126	101	71.0-125	
1,2-Dichloropropane	0.125	0.128	102	74.0-125	
1,1-Dichloropropene	0.125	0.136	109	73.0-125	
1,3-Dichloropropane	0.125	0.130	104	80.0-125	
cis-1,3-Dichloropropene	0.125	0.130	104	76.0-127	
trans-1,3-Dichloropropene	0.125	0.135	108	73.0-127	
2,2-Dichloropropane	0.125	0.108	86.4	59.0-135	
Di-isopropyl ether	0.125	0.143	114	60.0-136	
Ethylbenzene	0.125	0.129	103	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.158	126	57.0-150	
Isopropylbenzene	0.125	0.141	113	72.0-127	
p-Isopropyltoluene	0.125	0.144	115	72.0-133	
2-Butanone (MEK)	0.625	0.654	105	30.0-160	
Methylene Chloride	0.125	0.142	114	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.771	123	56.0-143	
Methyl tert-butyl ether	0.125	0.133	106	66.0-132	
Naphthalene	0.125	0.119	95.2	59.0-130	
n-Propylbenzene	0.125	0.128	102	74.0-126	

Laboratory Control Sample (LCS)

(LCS) R4017087-1 12/27/23 08:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Styrene	0.125	0.140	112	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.145	116	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.111	88.8	68.0-128	
Tetrachloroethene	0.125	0.145	116	70.0-136	
Toluene	0.125	0.128	102	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.144	115	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.136	109	62.0-137	
1,1,1-Trichloroethane	0.125	0.139	111	69.0-126	
1,1,2-Trichloroethane	0.125	0.129	103	78.0-123	
Trichloroethene	0.125	0.144	115	76.0-126	
Trichlorofluoromethane	0.125	0.147	118	61.0-142	
1,2,3-Trichloropropane	0.125	0.132	106	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.134	107	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.139	111	73.0-127	
Vinyl chloride	0.125	0.188	150	63.0-134	J4
Xylenes, Total	0.375	0.394	105	72.0-127	
(S) Toluene-d8			*100*	*75.0-131*	
(S) 4-Bromofluorobenzene			*99.1*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*113*	*70.0-130*	

Method Blank (MB)

(MB) R4019110-3 01/02/24 20:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4019110-3 01/02/24 20:30

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	*99.1*			*75.0-131*
(S) 4-Bromofluorobenzene	*92.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*

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

(LCS) R4019110-1 01/02/24 19:09 • (LCSD) R4019110-2 01/02/24 19:29

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	0.401	0.411	64.2	65.8	10.0-160			2.46	31
Acrylonitrile	0.625	0.589	0.606	94.2	97.0	45.0-153			2.85	22
Benzene	0.125	0.120	0.129	96.0	103	70.0-123			7.23	20
Bromobenzene	0.125	0.140	0.151	112	121	73.0-121			7.56	20
Bromodichloromethane	0.125	0.126	0.136	101	109	73.0-121			7.63	20
Bromoform	0.125	0.109	0.113	87.2	90.4	64.0-132			3.60	20
Bromomethane	0.125	0.118	0.129	94.4	103	56.0-147			8.91	20

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

(LCS) R4019110-1 01/02/24 19:09 • (LCSD) R4019110-2 01/02/24 19:29

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 %
n-Butylbenzene	0.125	0.113	0.122	90.4	97.6	68.0-135			7.66	20
sec-Butylbenzene	0.125	0.137	0.156	110	125	74.0-130			13.0	20
tert-Butylbenzene	0.125	0.138	0.153	110	122	75.0-127			10.3	20
Carbon tetrachloride	0.125	0.121	0.147	96.8	118	66.0-128			19.4	20
Chlorobenzene	0.125	0.115	0.128	92.0	102	76.0-128			10.7	20
Chlorodibromomethane	0.125	0.114	0.119	91.2	95.2	74.0-127			4.29	20
Chloroethane	0.125	0.124	0.138	99.2	110	61.0-134			10.7	20
Chloroform	0.125	0.122	0.131	97.6	105	72.0-123			7.11	20
Chloromethane	0.125	0.120	0.138	96.0	110	51.0-138			14.0	20
2-Chlorotoluene	0.125	0.128	0.129	102	103	75.0-124			0.778	20
4-Chlorotoluene	0.125	0.148	0.160	118	128	75.0-124		J4	7.79	20
1,2-Dibromo-3-Chloropropane	0.125	0.123	0.127	98.4	102	59.0-130			3.20	20
1,2-Dibromoethane	0.125	0.116	0.126	92.8	101	74.0-128			8.26	20
Dibromomethane	0.125	0.120	0.126	96.0	101	75.0-122			4.88	20
1,2-Dichlorobenzene	0.125	0.127	0.132	102	106	76.0-124			3.86	20
1,3-Dichlorobenzene	0.125	0.128	0.140	102	112	76.0-125			8.96	20
1,4-Dichlorobenzene	0.125	0.123	0.134	98.4	107	77.0-121			8.56	20
Dichlorodifluoromethane	0.125	0.146	0.160	117	128	43.0-156			9.15	20
1,1-Dichloroethane	0.125	0.128	0.139	102	111	70.0-127			8.24	20
1,2-Dichloroethane	0.125	0.130	0.141	104	113	65.0-131			8.12	20
1,1-Dichloroethene	0.125	0.127	0.145	102	116	65.0-131			13.2	20
cis-1,2-Dichloroethene	0.125	0.114	0.122	91.2	97.6	73.0-125			6.78	20
trans-1,2-Dichloroethene	0.125	0.113	0.128	90.4	102	71.0-125			12.4	20
1,2-Dichloropropane	0.125	0.131	0.142	105	114	74.0-125			8.06	20
1,1-Dichloropropene	0.125	0.129	0.144	103	115	73.0-125			11.0	20
1,3-Dichloropropane	0.125	0.133	0.138	106	110	80.0-125			3.69	20
cis-1,3-Dichloropropene	0.125	0.132	0.138	106	110	76.0-127			4.44	20
trans-1,3-Dichloropropene	0.125	0.132	0.141	106	113	73.0-127			6.59	20
2,2-Dichloropropane	0.125	0.131	0.146	105	117	59.0-135			10.8	20
Di-isopropyl ether	0.125	0.125	0.130	100	104	60.0-136			3.92	20
Ethylbenzene	0.125	0.119	0.132	95.2	106	74.0-126			10.4	20
Hexachloro-1,3-butadiene	0.125	0.140	0.160	112	128	57.0-150			13.3	20
Isopropylbenzene	0.125	0.115	0.130	92.0	104	72.0-127			12.2	20
p-Isopropyltoluene	0.125	0.126	0.141	101	113	72.0-133			11.2	20
2-Butanone (MEK)	0.625	0.635	0.758	102	121	30.0-160			17.7	24
Methylene Chloride	0.125	0.113	0.122	90.4	97.6	68.0-123			7.66	20
4-Methyl-2-pentanone (MIBK)	0.625	0.694	0.721	111	115	56.0-143			3.82	20
Methyl tert-butyl ether	0.125	0.120	0.122	96.0	97.6	66.0-132			1.65	20
Naphthalene	0.125	0.0827	0.0902	66.2	72.2	59.0-130			8.68	20
n-Propylbenzene	0.125	0.145	0.165	116	132	74.0-126		J4	12.9	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) R4019110-1 01/02/24 19:09 • (LCSD) R4019110-2 01/02/24 19:29

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	0.106	0.114	84.8	91.2	72.0-127			7.27	20
1,1,1,2-Tetrachloroethane	0.125	0.112	0.119	89.6	95.2	74.0-129			6.06	20
1,1,2,2-Tetrachloroethane	0.125	0.149	0.157	119	126	68.0-128			5.23	20
Tetrachloroethene	0.125	0.123	0.142	98.4	114	70.0-136			14.3	20
Toluene	0.125	0.127	0.142	102	114	75.0-121			11.2	20
1,2,3-Trichlorobenzene	0.125	0.0886	0.0913	70.9	73.0	59.0-139			3.00	20
1,2,4-Trichlorobenzene	0.125	0.0909	0.0993	72.7	79.4	62.0-137			8.83	20
1,1,1-Trichloroethane	0.125	0.118	0.144	94.4	115	69.0-126			19.8	20
1,1,2-Trichloroethane	0.125	0.129	0.138	103	110	78.0-123			6.74	20
Trichloroethene	0.125	0.108	0.122	86.4	97.6	76.0-126			12.2	20
Trichlorofluoromethane	0.125	0.144	0.161	115	129	61.0-142			11.1	20
1,2,3-Trichloropropane	0.125	0.160	0.156	128	125	67.0-129			2.53	20
1,2,4-Trimethylbenzene	0.125	0.129	0.145	103	116	70.0-126			11.7	20
1,3,5-Trimethylbenzene	0.125	0.136	0.149	109	119	73.0-127			9.12	20
Vinyl chloride	0.125	0.119	0.136	95.2	109	63.0-134			13.3	20
Xylenes, Total	0.375	0.347	0.389	92.5	104	72.0-127			11.4	20
(S) Toluene-d8				*99.6*	*101*	*75.0-131*				
(S) 4-Bromofluorobenzene				*87.1*	*88.8*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*108*	*115*	*70.0-130*				

Method Blank (MB)

(MB) R4018292-2 12/28/23 22:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333

Method Blank (MB)

(MB) R4018292-2 12/28/23 22:35

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	*41.6*			*12.0-120*
(S) Phenol-d5	*39.6*			*10.0-120*
(S) Nitrobenzene-d5	*36.9*			*10.0-122*
(S) 2-Fluorobiphenyl	*41.1*			*15.0-120*
(S) 2,4,6-Tribromophenol	*35.6*			*10.0-127*
(S) p-Terphenyl-d14	*45.6*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4018292-1 12/28/23 22:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.376	56.5	38.0-120	
Acenaphthylene	0.666	0.378	56.8	40.0-120	
Anthracene	0.666	0.397	59.6	42.0-120	
Benzidine	1.33	0.428	32.2	10.0-120	
Benzo(a)anthracene	0.666	0.423	63.5	44.0-120	
Benzo(b)fluoranthene	0.666	0.426	64.0	43.0-120	
Benzo(k)fluoranthene	0.666	0.400	60.1	44.0-120	
Benzo(g,h,i)perylene	0.666	0.494	74.2	43.0-120	
Benzo(a)pyrene	0.666	0.421	63.2	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.324	48.6	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.331	49.7	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.356	53.5	23.0-120	
4-Bromophenyl-phenylether	0.666	0.366	55.0	40.0-120	
2-Chloronaphthalene	0.666	0.363	54.5	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4018292-1 12/28/23 22:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	0.666	0.374	56.2	40.0-120	
Chrysene	0.666	0.414	62.2	43.0-120	
Dibenz(a,h)anthracene	0.666	0.459	68.9	44.0-120	
3,3-Dichlorobenzidine	1.33	0.772	58.0	28.0-120	
2,4-Dinitrotoluene	0.666	0.426	64.0	45.0-120	
2,6-Dinitrotoluene	0.666	0.402	60.4	42.0-120	
Fluoranthene	0.666	0.393	59.0	44.0-120	
Fluorene	0.666	0.384	57.7	41.0-120	
Hexachlorobenzene	0.666	0.369	55.4	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.303	45.5	15.0-120	
Hexachlorocyclopentadiene	0.666	0.408	61.3	15.0-120	
Hexachloroethane	0.666	0.347	52.1	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.405	60.8	45.0-120	
Isophorone	0.666	0.327	49.1	23.0-120	
Naphthalene	0.666	0.306	45.9	18.0-120	
Nitrobenzene	0.666	0.319	47.9	17.0-120	
n-Nitrosodimethylamine	0.666	0.349	52.4	10.0-125	
n-Nitrosodiphenylamine	0.666	0.375	56.3	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.376	56.5	26.0-120	
Phenanthrene	0.666	0.386	58.0	42.0-120	
Benzylbutyl phthalate	0.666	0.441	66.2	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.466	70.0	41.0-120	
Di-n-butyl phthalate	0.666	0.412	61.9	43.0-120	
Diethyl phthalate	0.666	0.421	63.2	43.0-120	
Dimethyl phthalate	0.666	0.406	61.0	43.0-120	
Di-n-octyl phthalate	0.666	0.439	65.9	40.0-120	
Pyrene	0.666	0.415	62.3	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.309	46.4	17.0-120	
4-Chloro-3-methylphenol	0.666	0.317	47.6	28.0-120	
2-Chlorophenol	0.666	0.366	55.0	28.0-120	
2,4-Dichlorophenol	0.666	0.296	44.4	25.0-120	
2,4-Dimethylphenol	0.666	0.419	62.9	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.334	50.2	16.0-120	
2,4-Dinitrophenol	0.666	0.280	42.0	10.0-120	
2-Nitrophenol	0.666	0.342	51.4	20.0-120	
4-Nitrophenol	0.666	0.342	51.4	27.0-120	
Pentachlorophenol	0.666	0.321	48.2	29.0-120	
Phenol	0.666	0.341	51.2	28.0-120	
2,4,6-Trichlorophenol	0.666	0.352	52.9	37.0-120	
(S) 2-Fluorophenol			*59.2*	*12.0-120*	

Laboratory Control Sample (LCS)

(LCS) R4018292-1 12/28/23 22:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*56.5*	*10.0-120*	
(S) Nitrobenzene-d5			*43.2*	*10.0-122*	
(S) 2-Fluorobiphenyl			*56.8*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*56.8*	*10.0-127*	
(S) p-Terphenyl-d14			*64.0*	*10.0-120*	

L1690311-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690311-08 12/29/23 04:18 • (MS) R4018292-3 12/29/23 04:38 • (MSD) R4018292-4 12/29/23 04:58

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.774	ND	0.338	0.347	43.7	44.9	1	18.0-120			2.71	32
Acenaphthylene	0.774	ND	0.337	0.349	43.5	45.0	1	25.0-120			3.39	32
Anthracene	0.774	ND	0.363	0.374	46.8	48.3	1	22.0-120			3.15	29
Benzidine	1.55	ND	ND	ND	7.89	9.10	1	10.0-120	J6	J6	14.2	40
Benzo(a)anthracene	0.774	ND	0.385	0.399	49.7	51.5	1	25.0-120			3.56	29
Benzo(b)fluoranthene	0.774	ND	0.395	0.410	51.1	53.0	1	19.0-122			3.75	31
Benzo(k)fluoranthene	0.774	ND	0.387	0.394	50.0	50.9	1	23.0-120			1.79	30
Benzo(g,h,i)perylene	0.774	ND	0.245	0.263	31.7	33.9	1	10.0-120			6.86	33
Benzo(a)pyrene	0.774	ND	0.387	0.400	50.0	51.7	1	24.0-120			3.25	30
Bis(2-chlorethoxy)methane	0.774	ND	ND	ND	37.7	39.2	1	10.0-120			3.91	34
Bis(2-chloroethyl)ether	0.774	ND	ND	ND	38.3	38.9	1	10.0-120			1.56	40
2,2-Oxybis(1-Chloropropane)	0.774	ND	ND	ND	39.5	39.6	1	10.0-120			0.380	40
4-Bromophenyl-phenylether	0.774	ND	ND	ND	41.3	44.3	1	27.0-120			7.02	30
2-Chloronaphthalene	0.774	ND	0.313	0.321	40.4	41.4	1	20.0-120			2.57	32
4-Chlorophenyl-phenylether	0.774	ND	ND	ND	43.4	45.2	1	24.0-120			4.07	29
Chrysene	0.774	ND	0.373	0.386	48.2	49.8	1	21.0-120			3.37	29
Dibenz(a,h)anthracene	0.774	ND	0.289	0.311	37.4	40.2	1	10.0-120			7.35	32
3,3-Dichlorobenzidine	1.55	ND	0.644	0.712	41.7	46.1	1	10.0-120			10.1	34
2,4-Dinitrotoluene	0.774	ND	ND	0.395	49.8	51.1	1	30.0-120			2.38	31
2,6-Dinitrotoluene	0.774	ND	ND	ND	46.4	48.6	1	25.0-120			4.74	31
Fluoranthene	0.774	ND	0.363	0.373	46.8	48.2	1	18.0-126			2.84	32
Fluorene	0.774	ND	0.344	0.354	44.4	45.8	1	25.0-120			3.00	30
Hexachlorobenzene	0.774	ND	ND	ND	42.2	43.5	1	27.0-120			3.15	28
Hexachloro-1,3-butadiene	0.774	ND	ND	ND	32.9	34.5	1	10.0-120			4.90	38
Hexachlorocyclopentadiene	0.774	ND	ND	ND	27.2	27.3	1	10.0-120			0.551	40
Hexachloroethane	0.774	ND	ND	ND	36.2	37.2	1	10.0-120			2.86	40
Indeno(1,2,3-cd)pyrene	0.774	ND	0.246	0.265	31.8	34.2	1	10.0-120			7.27	32
Isophorone	0.774	ND	ND	ND	37.7	38.6	1	13.0-120			2.36	34

L1690311-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690311-08 12/29/23 04:18 • (MS) R4018292-3 12/29/23 04:38 • (MSD) R4018292-4 12/29/23 04:58

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.774	ND	0.270	0.278	34.8	35.9	1	10.0-120			2.97	35
Nitrobenzene	0.774	ND	ND	ND	36.6	36.9	1	10.0-120			0.816	36
n-Nitrosodimethylamine	0.774	ND	ND	ND	36.6	38.3	1	10.0-127			4.41	40
n-Nitrosodiphenylamine	0.774	ND	ND	ND	40.8	42.3	1	17.0-120			3.61	29
n-Nitrosodi-n-propylamine	0.774	ND	ND	ND	42.8	42.6	1	10.0-120			0.351	37
Phenanthrene	0.774	ND	0.356	0.364	45.9	47.0	1	17.0-120			2.26	31
Benzylbutyl phthalate	0.774	ND	0.408	0.421	52.7	54.4	1	23.0-120			3.09	30
Bis(2-ethylhexyl)phthalate	0.774	ND	0.425	0.433	55.0	56.0	1	17.0-126			1.89	30
Di-n-butyl phthalate	0.774	ND	ND	0.390	49.4	50.5	1	30.0-120			2.11	29
Diethyl phthalate	0.774	ND	ND	0.388	48.9	50.2	1	26.0-120			2.42	28
Dimethyl phthalate	0.774	ND	ND	ND	46.5	47.7	1	25.0-120			2.55	29
Di-n-octyl phthalate	0.774	ND	0.415	0.426	53.6	55.1	1	21.0-123			2.76	29
Pyrene	0.774	ND	0.373	0.381	48.2	49.2	1	16.0-121			2.16	32
1,2,4-Trichlorobenzene	0.774	ND	ND	ND	34.7	35.4	1	12.0-120			2.14	37
4-Chloro-3-methylphenol	0.774	ND	ND	ND	37.2	38.4	1	15.0-120			3.17	30
2-Chlorophenol	0.774	ND	ND	ND	40.4	41.6	1	15.0-120			2.93	37
2,4-Dichlorophenol	0.774	ND	ND	ND	37.4	37.8	1	20.0-120			1.20	31
2,4-Dimethylphenol	0.774	ND	ND	ND	27.0	24.6	1	10.0-120			9.30	33
4,6-Dinitro-2-methylphenol	0.774	ND	ND	ND	25.2	25.7	1	10.0-120			1.77	39
2,4-Dinitrophenol	0.774	ND	ND	ND	27.2	26.9	1	10.0-121			1.11	40
2-Nitrophenol	0.774	ND	ND	ND	40.8	41.9	1	12.0-120			2.54	39
4-Nitrophenol	0.774	ND	ND	ND	43.1	44.7	1	10.0-137			3.76	32
Pentachlorophenol	0.774	ND	ND	ND	42.5	43.1	1	10.0-160			1.40	31
Phenol	0.774	ND	ND	ND	37.8	37.7	1	12.0-120			0.398	38
2,4,6-Trichlorophenol	0.774	ND	ND	ND	40.4	40.2	1	19.0-120			0.372	32
(S) 2-Fluorophenol					*45.6*	*45.0*		*12.0-120*				
(S) Phenol-d5					*41.6*	*42.0*		*10.0-120*				
(S) Nitrobenzene-d5					*33.3*	*33.9*		*10.0-122*				
(S) 2-Fluorobiphenyl					*42.3*	*43.8*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*44.3*	*45.3*		*10.0-127*				
(S) p-Terphenyl-d14					*49.5*	*51.4*		*10.0-120*				

Method Blank (MB)

(MB) R4019459-2 12/30/23 19:13

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333

Method Blank (MB)

(MB) R4019459-2 12/30/23 19:13

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	*30.8*			*12.0-120*
(S) Phenol-d5	*48.0*			*10.0-120*
(S) Nitrobenzene-d5	*53.2*			*10.0-122*
(S) 2-Fluorobiphenyl	*60.7*			*15.0-120*
(S) 2,4,6-Tribromophenol	*12.7*			*10.0-127*
(S) p-Terphenyl-d14	*66.4*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4019459-1 12/30/23 18:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.391	58.7	38.0-120	
Acenaphthylene	0.666	0.396	59.5	40.0-120	
Anthracene	0.666	0.411	61.7	42.0-120	
Benzidine	1.33	0.536	40.3	10.0-120	
Benzo(a)anthracene	0.666	0.433	65.0	44.0-120	
Benzo(b)fluoranthene	0.666	0.432	64.9	43.0-120	
Benzo(k)fluoranthene	0.666	0.416	62.5	44.0-120	
Benzo(g,h,i)perylene	0.666	0.484	72.7	43.0-120	
Benzo(a)pyrene	0.666	0.434	65.2	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.330	49.5	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.330	49.5	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.356	53.5	23.0-120	
4-Bromophenyl-phenylether	0.666	0.393	59.0	40.0-120	
2-Chloronaphthalene	0.666	0.373	56.0	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4019459-1 12/30/23 18:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	0.666	0.393	59.0	40.0-120	
Chrysene	0.666	0.419	62.9	43.0-120	
Dibenz(a,h)anthracene	0.666	0.459	68.9	44.0-120	
3,3-Dichlorobenzidine	1.33	0.845	63.5	28.0-120	
2,4-Dinitrotoluene	0.666	0.458	68.8	45.0-120	
2,6-Dinitrotoluene	0.666	0.429	64.4	42.0-120	
Fluoranthene	0.666	0.418	62.8	44.0-120	
Fluorene	0.666	0.402	60.4	41.0-120	
Hexachlorobenzene	0.666	0.386	58.0	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.298	44.7	15.0-120	
Hexachlorocyclopentadiene	0.666	0.392	58.9	15.0-120	
Hexachloroethane	0.666	0.342	51.4	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.412	61.9	45.0-120	
Isophorone	0.666	0.328	49.2	23.0-120	
Naphthalene	0.666	0.308	46.2	18.0-120	
Nitrobenzene	0.666	0.315	47.3	17.0-120	
n-Nitrosodimethylamine	0.666	0.333	50.0	10.0-125	
n-Nitrosodiphenylamine	0.666	0.409	61.4	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.382	57.4	26.0-120	
Phenanthrene	0.666	0.399	59.9	42.0-120	
Benzylbutyl phthalate	0.666	0.445	66.8	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.466	70.0	41.0-120	
Di-n-butyl phthalate	0.666	0.429	64.4	43.0-120	
Diethyl phthalate	0.666	0.426	64.0	43.0-120	
Dimethyl phthalate	0.666	0.404	60.7	43.0-120	
Di-n-octyl phthalate	0.666	0.438	65.8	40.0-120	
Pyrene	0.666	0.419	62.9	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.313	47.0	17.0-120	
4-Chloro-3-methylphenol	0.666	0.335	50.3	28.0-120	
2-Chlorophenol	0.666	0.376	56.5	28.0-120	
2,4-Dichlorophenol	0.666	0.315	47.3	25.0-120	
2,4-Dimethylphenol	0.666	0.473	71.0	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.446	67.0	16.0-120	
2,4-Dinitrophenol	0.666	0.424	63.7	10.0-120	
2-Nitrophenol	0.666	0.361	54.2	20.0-120	
4-Nitrophenol	0.666	0.389	58.4	27.0-120	
Pentachlorophenol	0.666	0.363	54.5	29.0-120	
Phenol	0.666	0.369	55.4	28.0-120	
2,4,6-Trichlorophenol	0.666	0.383	57.5	37.0-120	
(S) 2-Fluorophenol			*60.7*	*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) R4019459-1 12/30/23 18:53

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			*42.0*	*10.0-122*	
(S) 2-Fluorobiphenyl			*59.2*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*63.1*	*10.0-127*	
(S) p-Terphenyl-d14			*64.6*	*10.0-120*	

L1690550-84 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690550-84 12/30/23 22:33 • (MS) R4019459-3 12/30/23 22:54 • (MSD) R4019459-4 12/30/23 23:14

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	0.799	ND	0.405	0.412	50.6	50.9	1	18.0-120			1.82	32
Acenaphthylene	0.799	ND	0.407	0.406	50.9	50.2	1	25.0-120			0.305	32
Anthracene	0.799	ND	0.432	0.454	54.0	56.1	1	22.0-120			5.04	29
Benzidine	1.60	ND	ND	ND	36.3	27.0	1	10.0-120			28.6	40
Benzo(a)anthracene	0.799	ND	0.457	0.489	57.1	60.4	1	25.0-120			6.82	29
Benzo(b)fluoranthene	0.799	ND	0.446	0.482	55.7	59.5	1	19.0-122			7.76	31
Benzo(k)fluoranthene	0.799	ND	0.428	0.458	53.6	56.6	1	23.0-120			6.72	30
Benzo(g,h,i)perylene	0.799	ND	0.500	0.552	62.6	68.3	1	10.0-120			9.91	33
Benzo(a)pyrene	0.799	ND	0.454	0.488	56.8	60.3	1	24.0-120			7.11	30
Bis(2-chlorethoxy)methane	0.799	ND	ND	ND	44.3	42.5	1	10.0-120			2.85	34
Bis(2-chloroethyl)ether	0.799	ND	ND	ND	45.8	37.9	1	10.0-120			17.7	40
2,2-Oxybis(1-Chloropropane)	0.799	ND	ND	ND	46.1	43.7	1	10.0-120			4.12	40
4-Bromophenyl-phenylether	0.799	ND	ND	ND	48.9	50.0	1	27.0-120			3.43	30
2-Chloronaphthalene	0.799	ND	0.371	0.377	46.4	46.6	1	20.0-120			1.66	32
4-Chlorophenyl-phenylether	0.799	ND	ND	0.421	50.6	52.0	1	24.0-120			3.91	29
Chrysene	0.799	ND	0.442	0.472	55.3	58.3	1	21.0-120			6.52	29
Dibenz(a,h)anthracene	0.799	ND	0.470	0.509	58.9	62.9	1	10.0-120			7.86	32
3,3-Dichlorobenzidine	1.60	ND	0.894	0.974	55.8	60.4	1	10.0-120			8.64	34
2,4-Dinitrotoluene	0.799	ND	0.464	0.510	58.1	63.0	1	30.0-120			9.43	31
2,6-Dinitrotoluene	0.799	ND	0.434	0.454	54.3	56.1	1	25.0-120			4.47	31
Fluoranthene	0.799	ND	0.434	0.464	54.3	57.4	1	18.0-126			6.63	32
Fluorene	0.799	ND	0.412	0.431	51.6	53.2	1	25.0-120			4.42	30
Hexachlorobenzene	0.799	ND	ND	ND	49.1	50.8	1	27.0-120			4.64	28
Hexachloro-1,3-butadiene	0.799	ND	ND	ND	39.9	38.3	1	10.0-120			2.76	38
Hexachlorocyclopentadiene	0.799	ND	ND	ND	34.8	12.2	1	10.0-120		J3	94.9	40
Hexachloroethane	0.799	ND	ND	ND	43.5	40.5	1	10.0-120			5.88	40
Indeno(1,2,3-cd)pyrene	0.799	ND	0.429	0.462	53.7	57.1	1	10.0-120			7.24	32
Isophorone	0.799	ND	ND	ND	43.8	42.9	1	13.0-120			0.712	34

L1690550-84 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690550-84 12/30/23 22:33 • (MS) R4019459-3 12/30/23 22:54 • (MSD) R4019459-4 12/30/23 23:14

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	0.799	ND	0.329	0.323	41.1	39.9	1	10.0-120			1.90	35
Nitrobenzene	0.799	ND	ND	ND	41.6	40.3	1	10.0-120			1.88	36
n-Nitrosodimethylamine	0.799	ND	ND	ND	40.7	39.4	1	10.0-127			1.93	40
n-Nitrosodiphenylamine	0.799	ND	0.416	0.434	52.0	53.7	1	17.0-120			4.38	29
n-Nitrosodi-n-propylamine	0.799	ND	ND	ND	48.6	47.1	1	10.0-120			1.94	37
Phenanthrene	0.799	ND	0.425	0.438	53.1	54.1	1	17.0-120			3.17	31
Benzylbutyl phthalate	0.799	ND	0.475	0.506	59.5	62.6	1	23.0-120			6.32	30
Bis(2-ethylhexyl)phthalate	0.799	ND	0.499	0.528	62.4	65.2	1	17.0-126			5.56	30
Di-n-butyl phthalate	0.799	ND	0.449	0.477	56.2	58.9	1	30.0-120			5.90	29
Diethyl phthalate	0.799	ND	0.443	0.469	55.4	58.0	1	26.0-120			5.71	28
Dimethyl phthalate	0.799	ND	0.427	0.437	53.4	54.0	1	25.0-120			2.30	29
Di-n-octyl phthalate	0.799	ND	0.484	0.516	60.6	63.8	1	21.0-123			6.45	29
Pyrene	0.799	ND	0.442	0.469	55.3	58.0	1	16.0-121			5.99	32
1,2,4-Trichlorobenzene	0.799	ND	ND	ND	40.4	39.7	1	12.0-120			0.385	37
4-Chloro-3-methylphenol	0.799	ND	ND	ND	42.7	43.4	1	15.0-120			2.87	30
2-Chlorophenol	0.799	ND	ND	ND	47.5	46.0	1	15.0-120			1.98	37
2,4-Dichlorophenol	0.799	ND	ND	ND	43.0	41.3	1	20.0-120			2.93	31
2,4-Dimethylphenol	0.799	ND	ND	ND	39.0	33.7	1	10.0-120			13.2	33
4,6-Dinitro-2-methylphenol	0.799	ND	0.480	0.501	60.1	62.0	1	10.0-120			4.30	39
2,4-Dinitrophenol	0.799	ND	0.498	0.525	62.3	64.9	1	10.0-121			5.34	40
2-Nitrophenol	0.799	ND	ND	ND	47.5	46.8	1	12.0-120			0.327	39
4-Nitrophenol	0.799	ND	ND	0.427	48.8	52.8	1	10.0-137			9.12	32
Pentachlorophenol	0.799	ND	ND	0.417	46.0	51.5	1	10.0-160			12.7	31
Phenol	0.799	ND	ND	ND	45.5	42.9	1	12.0-120			4.54	38
2,4,6-Trichlorophenol	0.799	ND	ND	ND	45.8	45.2	1	19.0-120			0.000	32
(S) 2-Fluorophenol					*51.2*	*49.8*		*12.0-120*				
(S) Phenol-d5					*48.9*	*46.8*		*10.0-120*				
(S) Nitrobenzene-d5					*37.9*	*35.3*		*10.0-122*				
(S) 2-Fluorobiphenyl					*49.1*	*47.5*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*50.2*	*49.4*		*10.0-127*				
(S) p-Terphenyl-d14					*54.7*	*59.5*		*10.0-120*				

Method Blank (MB)

(MB) R4018293-2 12/28/23 23:15

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

Method Blank (MB)

(MB) R4018293-2 12/28/23 23:15

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	*84.2*			*12.0-120*
(S) Phenol-d5	*80.6*			*10.0-120*
(S) Nitrobenzene-d5	*76.3*			*10.0-122*
(S) 2-Fluorobiphenyl	*84.4*			*15.0-120*
(S) 2,4,6-Tribromophenol	*78.8*			*10.0-127*
(S) p-Terphenyl-d14	*101*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4018293-1 12/28/23 22:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.626	94.0	38.0-120	
Acenaphthylene	0.666	0.625	93.8	40.0-120	
Anthracene	0.666	0.663	99.5	42.0-120	
Benzidine	1.33	0.723	54.4	10.0-120	
Benzo(a)anthracene	0.666	0.681	102	44.0-120	
Benzo(b)fluoranthene	0.666	0.701	105	43.0-120	
Benzo(k)fluoranthene	0.666	0.654	98.2	44.0-120	
Benzo(g,h,i)perylene	0.666	0.797	120	43.0-120	
Benzo(a)pyrene	0.666	0.688	103	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.486	73.0	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.548	82.3	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.562	84.4	23.0-120	
4-Bromophenyl-phenylether	0.666	0.601	90.2	40.0-120	
2-Chloronaphthalene	0.666	0.588	88.3	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4018293-1 12/28/23 22:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	0.666	0.623	93.5	40.0-120	
Chrysene	0.666	0.660	99.1	43.0-120	
Dibenz(a,h)anthracene	0.666	0.754	113	44.0-120	
3,3-Dichlorobenzidine	1.33	1.19	89.5	28.0-120	
2,4-Dinitrotoluene	0.666	0.704	106	45.0-120	
2,6-Dinitrotoluene	0.666	0.654	98.2	42.0-120	
Fluoranthene	0.666	0.637	95.6	44.0-120	
Fluorene	0.666	0.630	94.6	41.0-120	
Hexachlorobenzene	0.666	0.620	93.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.456	68.5	15.0-120	
Hexachlorocyclopentadiene	0.666	0.666	100	15.0-120	
Hexachloroethane	0.666	0.559	83.9	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.659	98.9	45.0-120	
Isophorone	0.666	0.492	73.9	23.0-120	
Naphthalene	0.666	0.457	68.6	18.0-120	
Nitrobenzene	0.666	0.472	70.9	17.0-120	
n-Nitrosodimethylamine	0.666	0.544	81.7	10.0-125	
n-Nitrosodiphenylamine	0.666	0.634	95.2	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.608	91.3	26.0-120	
Phenanthrene	0.666	0.634	95.2	42.0-120	
Benzylbutyl phthalate	0.666	0.726	109	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.749	112	41.0-120	
Di-n-butyl phthalate	0.666	0.677	102	43.0-120	
Diethyl phthalate	0.666	0.681	102	43.0-120	
Dimethyl phthalate	0.666	0.659	98.9	43.0-120	
Di-n-octyl phthalate	0.666	0.702	105	40.0-120	
Pyrene	0.666	0.665	99.8	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.469	70.4	17.0-120	
4-Chloro-3-methylphenol	0.666	0.467	70.1	28.0-120	
2-Chlorophenol	0.666	0.572	85.9	28.0-120	
2,4-Dichlorophenol	0.666	0.433	65.0	25.0-120	
2,4-Dimethylphenol	0.666	0.628	94.3	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.554	83.2	16.0-120	
2,4-Dinitrophenol	0.666	0.418	62.8	10.0-120	
2-Nitrophenol	0.666	0.509	76.4	20.0-120	
4-Nitrophenol	0.666	0.567	85.1	27.0-120	
Pentachlorophenol	0.666	0.523	78.5	29.0-120	
Phenol	0.666	0.550	82.6	28.0-120	
2,4,6-Trichlorophenol	0.666	0.576	86.5	37.0-120	
(S) 2-Fluorophenol			*93.5*	*12.0-120*	

Laboratory Control Sample (LCS)

(LCS) R4018293-1 12/28/23 22:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*88.7*	*10.0-120*	
(S) Nitrobenzene-d5			*65.5*	*10.0-122*	
(S) 2-Fluorobiphenyl			*93.4*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*92.9*	*10.0-127*	
(S) p-Terphenyl-d14			*104*	*10.0-120*	

L1690626-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690626-03 12/28/23 23:55 • (MS) R4018293-3 12/29/23 00:15 • (MSD) R4018293-4 12/29/23 00:35

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	0.714	ND	0.573	0.511	80.3	70.9	1	18.0-120			11.6	32
Acenaphthylene	0.714	ND	0.571	0.515	80.0	71.5	1	25.0-120			10.3	32
Anthracene	0.714	ND	0.580	0.520	81.3	72.1	1	22.0-120			11.0	29
Benzidine	1.43	ND	ND	ND	17.6	0.000	1	10.0-120		J3 J6	200	40
Benzo(a)anthracene	0.714	ND	0.612	0.547	85.7	75.9	1	25.0-120			11.2	29
Benzo(b)fluoranthene	0.714	ND	0.588	0.626	82.4	86.9	1	19.0-122			6.28	31
Benzo(k)fluoranthene	0.714	ND	0.558	0.566	78.1	78.5	1	23.0-120			1.40	30
Benzo(g,h,i)perylene	0.714	ND	0.637	0.231	89.3	32.1	1	10.0-120		J3	93.5	33
Benzo(a)pyrene	0.714	ND	0.602	0.538	84.3	74.6	1	24.0-120			11.2	30
Bis(2-chlorethoxy)methane	0.714	ND	0.451	0.417	63.2	57.9	1	10.0-120			7.75	34
Bis(2-chloroethyl)ether	0.714	ND	0.501	0.452	70.1	62.8	1	10.0-120			10.1	40
2,2-Oxybis(1-Chloropropane)	0.714	ND	0.497	0.457	69.7	63.4	1	10.0-120			8.47	40
4-Bromophenyl-phenylether	0.714	ND	0.534	0.489	74.8	67.9	1	27.0-120			8.77	30
2-Chloronaphthalene	0.714	ND	0.540	0.489	75.6	67.9	1	20.0-120			9.81	32
4-Chlorophenyl-phenylether	0.714	ND	0.561	0.515	78.6	71.5	1	24.0-120			8.55	29
Chrysene	0.714	ND	0.581	0.515	81.4	71.5	1	21.0-120			12.1	29
Dibenz(a,h)anthracene	0.714	ND	0.617	0.279	86.5	38.8	1	10.0-120		J3	75.3	32
3,3-Dichlorobenzidine	1.43	ND	1.05	0.763	73.9	53.1	1	10.0-120			31.9	34
2,4-Dinitrotoluene	0.714	ND	0.627	0.570	87.9	79.1	1	30.0-120			9.56	31
2,6-Dinitrotoluene	0.714	ND	0.602	0.550	84.3	76.3	1	25.0-120			8.97	31
Fluoranthene	0.714	ND	0.587	0.540	82.2	74.9	1	18.0-126			8.37	32
Fluorene	0.714	ND	0.572	0.521	80.2	72.3	1	25.0-120			9.45	30
Hexachlorobenzene	0.714	ND	0.540	0.452	75.6	62.8	1	27.0-120			17.6	28
Hexachloro-1,3-butadiene	0.714	ND	0.419	0.377	58.6	52.3	1	10.0-120			10.4	38
Hexachlorocyclopentadiene	0.714	ND	0.461	ND	64.6	48.6	1	10.0-120			27.4	40
Hexachloroethane	0.714	ND	0.481	0.454	67.5	63.1	1	10.0-120			5.76	40
Indeno(1,2,3-cd)pyrene	0.714	ND	0.561	0.251	78.6	34.9	1	10.0-120		J3	76.2	32
Isophorone	0.714	ND	0.448	0.413	62.7	57.3	1	13.0-120			8.08	34

L1690626-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690626-03 12/28/23 23:55 • (MS) R4018293-3 12/29/23 00:15 • (MSD) R4018293-4 12/29/23 00:35

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	0.714	ND	0.422	0.394	59.1	54.7	1	10.0-120			6.88	35
Nitrobenzene	0.714	ND	0.426	0.395	59.7	54.8	1	10.0-120			7.65	36
n-Nitrosodimethylamine	0.714	ND	0.470	0.415	65.9	57.6	1	10.0-127			12.4	40
n-Nitrosodiphenylamine	0.714	ND	0.551	0.496	77.2	68.8	1	17.0-120			10.5	29
n-Nitrosodi-n-propylamine	0.714	ND	0.525	0.497	73.6	69.0	1	10.0-120			5.49	37
Phenanthrene	0.714	ND	0.569	0.507	79.7	70.4	1	17.0-120			11.5	31
Benzylbutyl phthalate	0.714	ND	0.662	0.615	92.8	85.4	1	23.0-120			7.38	30
Bis(2-ethylhexyl)phthalate	0.714	ND	0.673	0.615	94.3	85.4	1	17.0-126			9.06	30
Di-n-butyl phthalate	0.714	ND	0.606	0.547	84.9	75.9	1	30.0-120			10.3	29
Diethyl phthalate	0.714	ND	0.605	0.548	84.7	76.0	1	26.0-120			9.93	28
Dimethyl phthalate	0.714	ND	0.582	0.531	81.6	73.7	1	25.0-120			9.27	29
Di-n-octyl phthalate	0.714	ND	0.683	0.641	95.8	88.9	1	21.0-123			6.44	29
Pyrene	0.714	ND	0.590	0.538	82.7	74.6	1	16.0-121			9.35	32
1,2,4-Trichlorobenzene	0.714	ND	0.425	0.394	59.6	54.7	1	12.0-120			7.67	37
4-Chloro-3-methylphenol	0.714	ND	0.456	0.437	63.8	60.6	1	15.0-120			4.28	30
2-Chlorophenol	0.714	ND	0.513	0.474	71.9	65.7	1	15.0-120			7.96	37
2,4-Dichlorophenol	0.714	ND	0.441	0.421	61.8	58.4	1	20.0-120			4.69	31
2,4-Dimethylphenol	0.714	ND	ND	ND	43.6	32.4	1	10.0-120			28.5	33
4,6-Dinitro-2-methylphenol	0.714	ND	0.625	0.545	87.6	75.7	1	10.0-120			13.6	39
2,4-Dinitrophenol	0.714	ND	0.649	0.573	90.9	79.6	1	10.0-121			12.3	40
2-Nitrophenol	0.714	ND	0.490	0.469	68.7	65.1	1	12.0-120			4.44	39
4-Nitrophenol	0.714	ND	0.529	0.525	74.1	72.9	1	10.0-137			0.639	32
Pentachlorophenol	0.714	ND	0.493	0.388	69.0	53.9	1	10.0-160			23.7	31
Phenol	0.714	ND	0.459	0.424	64.3	58.9	1	12.0-120			7.88	38
2,4,6-Trichlorophenol	0.714	ND	0.496	0.410	69.5	56.9	1	19.0-120			19.1	32
(S) 2-Fluorophenol					*76.7*	*68.5*		*12.0-120*				
(S) Phenol-d5					*73.0*	*67.9*		*10.0-120*				
(S) Nitrobenzene-d5					*55.7*	*51.4*		*10.0-122*				
(S) 2-Fluorobiphenyl					*77.7*	*69.8*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*77.2*	*70.4*		*10.0-127*				
(S) p-Terphenyl-d14					*85.2*	*76.3*		*10.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
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.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
S&ME Inc. - Raleigh NC

3201 Spring Forest Road
Raleigh, NC 27616

Billing Information:
Accounts Payable
3201 Spring Forest Rd.

(smeinc_invoice@concursolution
.com)

Pres Chk

Report to:
Mr. Jerry Paul

Email To: **jpaul@smeinc.com**

Project Description:
Lyon Park

City/State Collected: Durham, NC

Please Circle: PT MT CT (ET)

Phone: **919-872-2660**

Client Project # 23050630

Lab Project # **SMERLNC-LYONPARK**

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	PBG 2ozClr-NoPres	SPLP/TCLP HOLD 4ozClr-NoPres	TS 4ozClr-NoPres	V8260 40mlAmb-HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr	SVOC'S 8270	18 Metals 6020	Mercury 7471	Hex. Chrom. 7199			
822-SB-01	C	SS	(0-1)	12120123	0955	4	X	X	X		X	X	X	X	X			-01
822-SB-02		SS			1000	4	X	X	X		X							-02
822-SB-03		SS			1005	4	X	X	X		X							-03
822-SB-04		SS			1030	4	X	X	X		X							-04
822-SB-05		SS			1035	4	X	X	X		X							-05
822-SB-10		SS			1115	4	X	X	X		X							-06
822-SB-11		SS			1120	4	X	X	X		X							-07
822-SB-12		SS			1135	4	X	X	X		X							-08
822-SB-13		SS			1140	4	X	X	X		X							-09
822-SB-14		SS			1145	4	X	X	X		X							-10

Analysis / Container / Preservative

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 # L1A0596

D039

Acctnum: **SMERLNC**
Template: **T243575**
Prelogin: **P1043721**
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 2985

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR
CP	12120123	1630		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 40
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12/12/23 Time: 1000

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

If preservation required by Login: Date/Time

Condition: NCF / OK

ANALYTICAL REPORT

January 05, 2024

S&ME Inc. - Raleigh NC

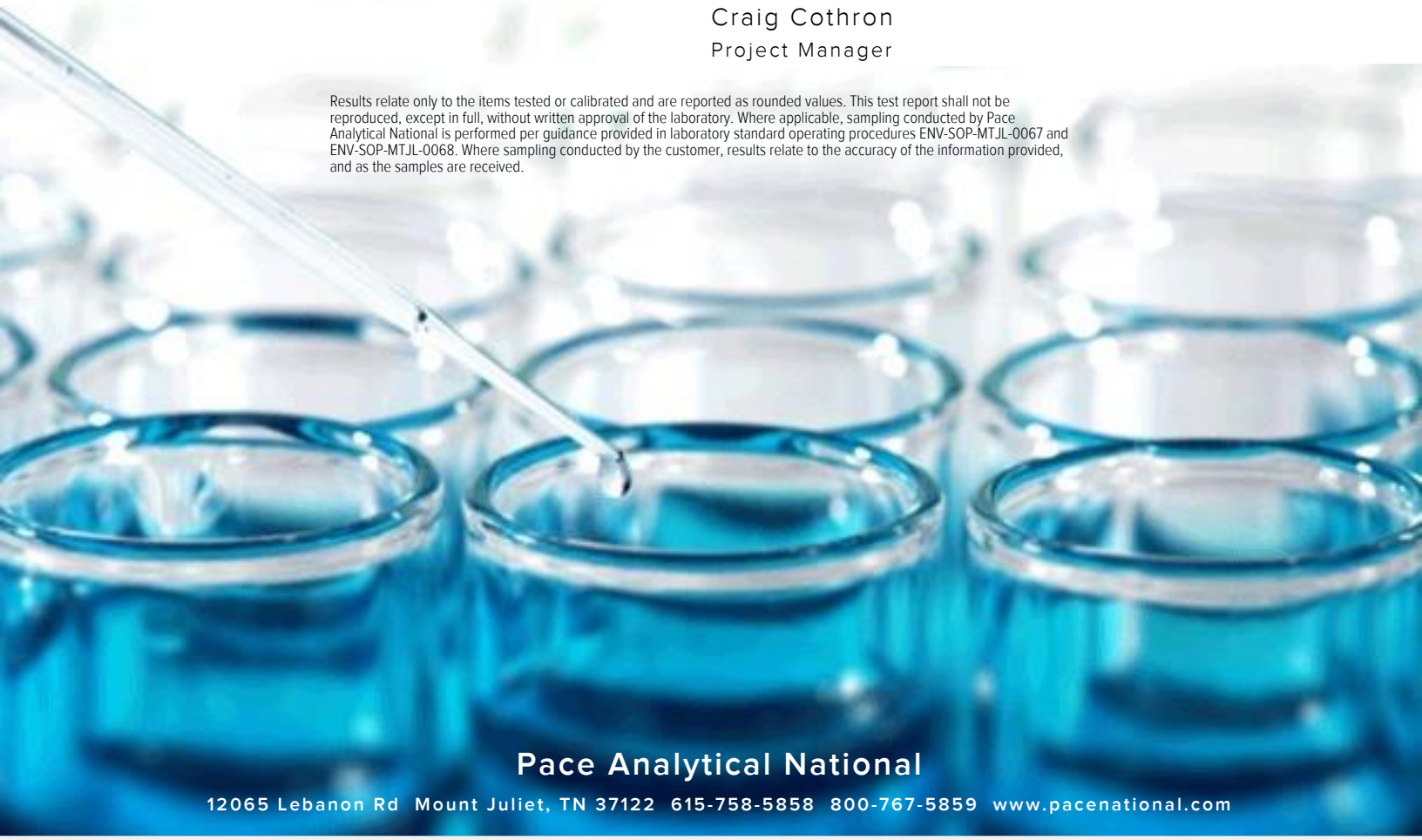
Sample Delivery Group:	L1690610
Samples Received:	12/21/2023
Project Number:	23050630
Description:	Lyon Park

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

TABLE OF CONTENTS

822-SB-20 L1690610-01 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 13:45 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2195714	1	12/26/23 12:20	12/26/23 12:27	CMK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2195433	5	12/26/23 16:16	01/03/24 19:58	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2199616	1.16	12/20/23 13:45	01/03/24 03:11	KSD	Mt. Juliet, TN

822-SB-21 L1690610-02 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 13:50 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2195714	1	12/26/23 12:20	12/26/23 12:27	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2198736	1	12/31/23 22:00	01/01/24 22:54	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2195323	1	12/24/23 17:42	12/27/23 15:54	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2195435	5	12/26/23 09:15	01/04/24 00:16	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196444	1.01	12/20/23 13:50	12/27/23 14:47	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196008	1	12/27/23 05:27	01/03/24 00:27	JCH	Mt. Juliet, TN

822-SB-22 L1690610-03 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 12:10 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2195714	1	12/26/23 12:20	12/26/23 12:27	CMK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2195435	5	12/26/23 09:15	01/04/24 00:19	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196444	1	12/20/23 12:10	12/27/23 15:05	JBE	Mt. Juliet, TN

822-SB-23 L1690610-04 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 11:55 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2195714	1	12/26/23 12:20	12/26/23 12:27	CMK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2195435	5	12/26/23 09:15	01/04/24 00:30	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196444	1	12/20/23 11:55	12/27/23 15:24	JBE	Mt. Juliet, TN

822-SB-29 L1690610-05 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 14:25 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2195714	1	12/26/23 12:20	12/26/23 12:27	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2198736	1	12/31/23 22:00	01/01/24 23:00	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2195322	1	12/27/23 22:59	12/28/23 16:34	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2195435	5	12/26/23 09:15	01/04/24 00:33	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196444	1	12/20/23 14:25	12/27/23 15:43	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196008	1	12/27/23 05:27	12/29/23 20:45	AMG	Mt. Juliet, TN

822-SB-30 L1690610-06 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 14:30 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2195714	1	12/26/23 12:20	12/26/23 12:27	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2198736	1	12/31/23 22:00	01/01/24 23:06	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2195322	1	12/27/23 22:59	12/28/23 16:36	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2195435	5	12/26/23 09:15	01/04/24 00:37	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196444	1	12/20/23 14:30	12/27/23 16:02	JBE	Mt. Juliet, TN

822-SB-30 L1690610-06 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 14:30 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196008	5	12/27/23 05:27	12/29/23 23:15	AMG	Mt. Juliet, TN

822-SB-31 L1690610-07 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 14:45 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2195714	1	12/26/23 12:20	12/26/23 12:27	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2198736	1	12/31/23 22:00	01/01/24 23:13	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2195322	1	12/27/23 22:59	12/28/23 16:39	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2195435	5	12/26/23 09:15	01/04/24 00:40	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196444	1.06	12/20/23 14:45	12/27/23 16:21	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196008	5	12/27/23 05:27	12/29/23 22:10	AMG	Mt. Juliet, TN

822-SB-32 L1690610-08 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 14:55 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2195715	1	12/26/23 13:50	12/26/23 13:59	CMK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2195435	5	12/26/23 09:15	01/04/24 00:43	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196444	1.21	12/20/23 14:55	12/27/23 16:39	JBE	Mt. Juliet, TN

822-SB-36 L1690610-09 Solid

Collected by: Chelsea Parra | Collected date/time: 12/20/23 14:50 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2195715	1	12/26/23 13:50	12/26/23 13:59	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2198736	1	12/31/23 22:00	01/01/24 23:19	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2195322	1	12/27/23 22:59	12/28/23 16:41	SDG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2195435	5	12/26/23 09:15	01/04/24 00:47	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196444	1.04	12/20/23 14:50	12/27/23 16:58	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196008	1	12/27/23 05:27	12/29/23 21:28	AMG	Mt. Juliet, TN

TRIP BLANK L1690610-10 GW

Collected by: Chelsea Parra | Collected date/time: 12/20/23 00:00 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196208	1	12/27/23 00:58	12/27/23 00:58	JCP	Mt. Juliet, TN

TRIP BLANK L1690610-11 GW

Collected by: Chelsea Parra | Collected date/time: 12/20/23 00:00 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2196208	1	12/27/23 01:21	12/27/23 01:21	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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.2		1	12/26/2023 12:27	WG2195714

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Lead	59.2		2.77	5	01/03/2024 19:58	WG2195433

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	0.0996	1.16	01/03/2024 03:11	WG2199616
Acrylonitrile	ND		0.0249	1.16	01/03/2024 03:11	WG2199616
Benzene	ND		0.00199	1.16	01/03/2024 03:11	WG2199616
Bromobenzene	ND		0.0249	1.16	01/03/2024 03:11	WG2199616
Bromodichloromethane	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
Bromoform	ND		0.0498	1.16	01/03/2024 03:11	WG2199616
Bromomethane	ND		0.0249	1.16	01/03/2024 03:11	WG2199616
n-Butylbenzene	ND		0.0249	1.16	01/03/2024 03:11	WG2199616
sec-Butylbenzene	ND		0.0249	1.16	01/03/2024 03:11	WG2199616
tert-Butylbenzene	ND		0.00996	1.16	01/03/2024 03:11	WG2199616
Carbon tetrachloride	ND		0.00996	1.16	01/03/2024 03:11	WG2199616
Chlorobenzene	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
Chlorodibromomethane	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
Chloroethane	ND		0.00996	1.16	01/03/2024 03:11	WG2199616
Chloroform	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
Chloromethane	ND		0.0249	1.16	01/03/2024 03:11	WG2199616
2-Chlorotoluene	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
4-Chlorotoluene	ND	J4	0.00996	1.16	01/03/2024 03:11	WG2199616
1,2-Dibromo-3-Chloropropane	ND		0.0498	1.16	01/03/2024 03:11	WG2199616
1,2-Dibromoethane	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
Dibromomethane	ND		0.00996	1.16	01/03/2024 03:11	WG2199616
1,2-Dichlorobenzene	ND		0.00996	1.16	01/03/2024 03:11	WG2199616
1,3-Dichlorobenzene	ND		0.00996	1.16	01/03/2024 03:11	WG2199616
1,4-Dichlorobenzene	ND		0.00996	1.16	01/03/2024 03:11	WG2199616
Dichlorodifluoromethane	ND		0.00996	1.16	01/03/2024 03:11	WG2199616
1,1-Dichloroethane	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
1,2-Dichloroethane	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
1,1-Dichloroethene	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
cis-1,2-Dichloroethene	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
trans-1,2-Dichloroethene	ND		0.00996	1.16	01/03/2024 03:11	WG2199616
1,2-Dichloropropane	ND		0.00996	1.16	01/03/2024 03:11	WG2199616
1,1-Dichloropropene	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
1,3-Dichloropropane	ND		0.00996	1.16	01/03/2024 03:11	WG2199616
cis-1,3-Dichloropropene	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
trans-1,3-Dichloropropene	ND		0.00996	1.16	01/03/2024 03:11	WG2199616
2,2-Dichloropropane	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
Di-isopropyl ether	ND		0.00199	1.16	01/03/2024 03:11	WG2199616
Ethylbenzene	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
Hexachloro-1,3-butadiene	ND		0.0498	1.16	01/03/2024 03:11	WG2199616
Isopropylbenzene	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
p-Isopropyltoluene	0.0536		0.00996	1.16	01/03/2024 03:11	WG2199616
2-Butanone (MEK)	ND		0.199	1.16	01/03/2024 03:11	WG2199616
Methylene Chloride	ND		0.0498	1.16	01/03/2024 03:11	WG2199616
4-Methyl-2-pentanone (MIBK)	ND		0.0498	1.16	01/03/2024 03:11	WG2199616
Methyl tert-butyl ether	ND		0.00199	1.16	01/03/2024 03:11	WG2199616

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Naphthalene	ND	C3	0.0249	1.16	01/03/2024 03:11	WG2199616
n-Propylbenzene	ND	J4	0.00996	1.16	01/03/2024 03:11	WG2199616
Styrene	ND		0.0249	1.16	01/03/2024 03:11	WG2199616
1,1,1,2-Tetrachloroethane	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
1,1,2,2-Tetrachloroethane	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
Tetrachloroethene	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
Toluene	ND		0.00996	1.16	01/03/2024 03:11	WG2199616
1,2,3-Trichlorobenzene	ND	C3	0.0249	1.16	01/03/2024 03:11	WG2199616
1,2,4-Trichlorobenzene	ND	C3	0.0249	1.16	01/03/2024 03:11	WG2199616
1,1,1-Trichloroethane	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
1,1,2-Trichloroethane	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
Trichloroethene	ND		0.00199	1.16	01/03/2024 03:11	WG2199616
Trichlorofluoromethane	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
1,2,3-Trichloropropane	ND		0.0249	1.16	01/03/2024 03:11	WG2199616
1,2,4-Trimethylbenzene	ND		0.00996	1.16	01/03/2024 03:11	WG2199616
1,3,5-Trimethylbenzene	ND		0.00996	1.16	01/03/2024 03:11	WG2199616
Vinyl chloride	ND		0.00498	1.16	01/03/2024 03:11	WG2199616
Xylenes, Total	0.0149		0.0130	1.16	01/03/2024 03:11	WG2199616
(S) Toluene-d8	*102*		*75.0-131*		*01/03/2024 03:11*	WG2199616
(S) 4-Bromofluorobenzene	*89.9*		*67.0-138*		*01/03/2024 03:11*	WG2199616
(S) 1,2-Dichloroethane-d4	*92.3*		*70.0-130*		*01/03/2024 03:11*	WG2199616

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.6		1	12/26/2023 12:27	WG2195714

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	01/01/2024 22:54	WG2198736

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0751		0.0490	1	12/27/2023 15:54	WG2195323

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.67	5	01/04/2024 00:16	WG2195435
Arsenic	4.86		1.22	5	01/04/2024 00:16	WG2195435
Barium	137		3.06	5	01/04/2024 00:16	WG2195435
Beryllium	ND		3.06	5	01/04/2024 00:16	WG2195435
Cadmium	ND		1.22	5	01/04/2024 00:16	WG2195435
Chromium	31.1		6.12	5	01/04/2024 00:16	WG2195435
Cobalt	14.8		1.22	5	01/04/2024 00:16	WG2195435
Copper	47.4		6.12	5	01/04/2024 00:16	WG2195435
Lead	92.4		2.45	5	01/04/2024 00:16	WG2195435
Manganese	424		3.06	5	01/04/2024 00:16	WG2195435
Nickel	48.3		3.06	5	01/04/2024 00:16	WG2195435
Selenium	ND		3.06	5	01/04/2024 00:16	WG2195435
Silver	ND		0.612	5	01/04/2024 00:16	WG2195435
Thallium	ND		2.45	5	01/04/2024 00:16	WG2195435
Vanadium	45.5		3.06	5	01/04/2024 00:16	WG2195435
Zinc	720		30.6	5	01/04/2024 00:16	WG2195435

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		0.0731	1.01	12/27/2023 14:47	WG2196444
Acrylonitrile	ND		0.0182	1.01	12/27/2023 14:47	WG2196444
Benzene	ND		0.00146	1.01	12/27/2023 14:47	WG2196444
Bromobenzene	ND		0.0182	1.01	12/27/2023 14:47	WG2196444
Bromodichloromethane	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
Bromoform	ND		0.0366	1.01	12/27/2023 14:47	WG2196444
Bromomethane	ND		0.0182	1.01	12/27/2023 14:47	WG2196444
n-Butylbenzene	ND		0.0182	1.01	12/27/2023 14:47	WG2196444
sec-Butylbenzene	ND		0.0182	1.01	12/27/2023 14:47	WG2196444
tert-Butylbenzene	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
Carbon tetrachloride	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
Chlorobenzene	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
Chlorodibromomethane	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
Chloroethane	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
Chloroform	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
Chloromethane	ND	J4	0.0182	1.01	12/27/2023 14:47	WG2196444
2-Chlorotoluene	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
4-Chlorotoluene	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
1,2-Dibromo-3-Chloropropane	ND		0.0366	1.01	12/27/2023 14:47	WG2196444

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	12/27/2023 14:47	WG2196444
Dibromomethane	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
1,2-Dichlorobenzene	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
1,3-Dichlorobenzene	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
1,4-Dichlorobenzene	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
Dichlorodifluoromethane	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
1,1-Dichloroethane	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
1,2-Dichloroethane	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
1,1-Dichloroethene	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
cis-1,2-Dichloroethene	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
trans-1,2-Dichloroethene	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
1,2-Dichloropropane	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
1,1-Dichloropropene	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
1,3-Dichloropropane	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
cis-1,3-Dichloropropene	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
trans-1,3-Dichloropropene	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
2,2-Dichloropropane	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
Di-isopropyl ether	ND		0.00146	1.01	12/27/2023 14:47	WG2196444
Ethylbenzene	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
Hexachloro-1,3-butadiene	ND		0.0366	1.01	12/27/2023 14:47	WG2196444
Isopropylbenzene	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
p-Isopropyltoluene	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
2-Butanone (MEK)	ND		0.146	1.01	12/27/2023 14:47	WG2196444
Methylene Chloride	ND		0.0366	1.01	12/27/2023 14:47	WG2196444
4-Methyl-2-pentanone (MIBK)	ND		0.0366	1.01	12/27/2023 14:47	WG2196444
Methyl tert-butyl ether	ND		0.00146	1.01	12/27/2023 14:47	WG2196444
Naphthalene	ND		0.0182	1.01	12/27/2023 14:47	WG2196444
n-Propylbenzene	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
Styrene	ND		0.0182	1.01	12/27/2023 14:47	WG2196444
1,1,1,2-Tetrachloroethane	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
1,1,2,2-Tetrachloroethane	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
Tetrachloroethene	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
Toluene	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
1,2,3-Trichlorobenzene	ND		0.0182	1.01	12/27/2023 14:47	WG2196444
1,2,4-Trichlorobenzene	ND		0.0182	1.01	12/27/2023 14:47	WG2196444
1,1,1-Trichloroethane	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
1,1,2-Trichloroethane	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
Trichloroethene	ND		0.00146	1.01	12/27/2023 14:47	WG2196444
Trichlorofluoromethane	ND		0.00366	1.01	12/27/2023 14:47	WG2196444
1,2,3-Trichloropropane	ND		0.0182	1.01	12/27/2023 14:47	WG2196444
1,2,4-Trimethylbenzene	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
1,3,5-Trimethylbenzene	ND		0.00731	1.01	12/27/2023 14:47	WG2196444
Vinyl chloride	ND	J4	0.00366	1.01	12/27/2023 14:47	WG2196444
Xylenes, Total	ND		0.00950	1.01	12/27/2023 14:47	WG2196444
(S) Toluene-d8	*102*		*75.0-131*		*12/27/2023 14:47*	WG2196444
(S) 4-Bromofluorobenzene	*104*		*67.0-138*		*12/27/2023 14:47*	WG2196444
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*12/27/2023 14:47*	WG2196444

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	01/03/2024 00:27	WG2196008
Acenaphthylene	ND		0.0408	1	01/03/2024 00:27	WG2196008
Anthracene	ND		0.0408	1	01/03/2024 00:27	WG2196008
Benzidine	ND		2.05	1	01/03/2024 00:27	WG2196008
Benzo(a)anthracene	0.0952		0.0408	1	01/03/2024 00:27	WG2196008

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	0.119		0.0408	1	01/03/2024 00:27	WG2196008
Benzo(k)fluoranthene	ND		0.0408	1	01/03/2024 00:27	WG2196008
Benzo(g,h,i)perylene	0.0443		0.0408	1	01/03/2024 00:27	WG2196008
Benzo(a)pyrene	0.0816		0.0408	1	01/03/2024 00:27	WG2196008
Bis(2-chlorethoxy)methane	ND		0.408	1	01/03/2024 00:27	WG2196008
Bis(2-chloroethyl)ether	ND		0.408	1	01/03/2024 00:27	WG2196008
2,2-Oxybis(1-Chloropropane)	ND		0.408	1	01/03/2024 00:27	WG2196008
4-Bromophenyl-phenylether	ND		0.408	1	01/03/2024 00:27	WG2196008
2-Chloronaphthalene	ND		0.0408	1	01/03/2024 00:27	WG2196008
4-Chlorophenyl-phenylether	ND		0.408	1	01/03/2024 00:27	WG2196008
Chrysene	0.0801		0.0408	1	01/03/2024 00:27	WG2196008
Dibenz(a,h)anthracene	ND		0.0408	1	01/03/2024 00:27	WG2196008
3,3-Dichlorobenzidine	ND		0.408	1	01/03/2024 00:27	WG2196008
2,4-Dinitrotoluene	ND		0.408	1	01/03/2024 00:27	WG2196008
2,6-Dinitrotoluene	ND		0.408	1	01/03/2024 00:27	WG2196008
Fluoranthene	0.213		0.0408	1	01/03/2024 00:27	WG2196008
Fluorene	ND		0.0408	1	01/03/2024 00:27	WG2196008
Hexachlorobenzene	ND		0.408	1	01/03/2024 00:27	WG2196008
Hexachloro-1,3-butadiene	ND		0.408	1	01/03/2024 00:27	WG2196008
Hexachlorocyclopentadiene	ND		0.408	1	01/03/2024 00:27	WG2196008
Hexachloroethane	ND		0.408	1	01/03/2024 00:27	WG2196008
Indeno(1,2,3-cd)pyrene	0.0507		0.0408	1	01/03/2024 00:27	WG2196008
Isophorone	ND		0.408	1	01/03/2024 00:27	WG2196008
Naphthalene	ND		0.0408	1	01/03/2024 00:27	WG2196008
Nitrobenzene	ND		0.408	1	01/03/2024 00:27	WG2196008
n-Nitrosodimethylamine	ND		0.408	1	01/03/2024 00:27	WG2196008
n-Nitrosodiphenylamine	ND		0.408	1	01/03/2024 00:27	WG2196008
n-Nitrosodi-n-propylamine	ND		0.408	1	01/03/2024 00:27	WG2196008
Phenanthrene	0.136		0.0408	1	01/03/2024 00:27	WG2196008
Benzylbutyl phthalate	ND		0.408	1	01/03/2024 00:27	WG2196008
Bis(2-ethylhexyl)phthalate	0.852		0.408	1	01/03/2024 00:27	WG2196008
Di-n-butyl phthalate	ND		0.408	1	01/03/2024 00:27	WG2196008
Diethyl phthalate	ND		0.408	1	01/03/2024 00:27	WG2196008
Dimethyl phthalate	ND		0.408	1	01/03/2024 00:27	WG2196008
Di-n-octyl phthalate	ND		0.408	1	01/03/2024 00:27	WG2196008
Pyrene	0.171		0.0408	1	01/03/2024 00:27	WG2196008
1,2,4-Trichlorobenzene	ND		0.408	1	01/03/2024 00:27	WG2196008
4-Chloro-3-methylphenol	ND		0.408	1	01/03/2024 00:27	WG2196008
2-Chlorophenol	ND		0.408	1	01/03/2024 00:27	WG2196008
2,4-Dichlorophenol	ND		0.408	1	01/03/2024 00:27	WG2196008
2,4-Dimethylphenol	ND		0.408	1	01/03/2024 00:27	WG2196008
4,6-Dinitro-2-methylphenol	ND		0.408	1	01/03/2024 00:27	WG2196008
2,4-Dinitrophenol	ND		0.408	1	01/03/2024 00:27	WG2196008
2-Nitrophenol	ND		0.408	1	01/03/2024 00:27	WG2196008
4-Nitrophenol	ND		0.408	1	01/03/2024 00:27	WG2196008
Pentachlorophenol	ND		0.408	1	01/03/2024 00:27	WG2196008
Phenol	ND		0.408	1	01/03/2024 00:27	WG2196008
2,4,6-Trichlorophenol	ND		0.408	1	01/03/2024 00:27	WG2196008
(S) 2-Fluorophenol	*63.8*		*12.0-120*		*01/03/2024 00:27*	WG2196008
(S) Phenol-d5	*59.5*		*10.0-120*		*01/03/2024 00:27*	WG2196008
(S) Nitrobenzene-d5	*61.8*		*10.0-122*		*01/03/2024 00:27*	WG2196008
(S) 2-Fluorobiphenyl	*66.5*		*15.0-120*		*01/03/2024 00:27*	WG2196008
(S) 2,4,6-Tribromophenol	*76.0*		*10.0-127*		*01/03/2024 00:27*	WG2196008
(S) p-Terphenyl-d14	*73.5*		*10.0-120*		*01/03/2024 00:27*	WG2196008

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.9		1	12/26/2023 12:27	WG2195714

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Lead	71.4		2.50	5	01/04/2024 00:19	WG2195435

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		0.0763	1	12/27/2023 15:05	WG2196444
Acrylonitrile	ND		0.0191	1	12/27/2023 15:05	WG2196444
Benzene	ND		0.00153	1	12/27/2023 15:05	WG2196444
Bromobenzene	ND		0.0191	1	12/27/2023 15:05	WG2196444
Bromodichloromethane	ND		0.00381	1	12/27/2023 15:05	WG2196444
Bromoform	ND		0.0381	1	12/27/2023 15:05	WG2196444
Bromomethane	ND		0.0191	1	12/27/2023 15:05	WG2196444
n-Butylbenzene	ND		0.0191	1	12/27/2023 15:05	WG2196444
sec-Butylbenzene	ND		0.0191	1	12/27/2023 15:05	WG2196444
tert-Butylbenzene	ND		0.00763	1	12/27/2023 15:05	WG2196444
Carbon tetrachloride	ND		0.00763	1	12/27/2023 15:05	WG2196444
Chlorobenzene	ND		0.00381	1	12/27/2023 15:05	WG2196444
Chlorodibromomethane	ND		0.00381	1	12/27/2023 15:05	WG2196444
Chloroethane	ND		0.00763	1	12/27/2023 15:05	WG2196444
Chloroform	ND		0.00381	1	12/27/2023 15:05	WG2196444
Chloromethane	ND	J4	0.0191	1	12/27/2023 15:05	WG2196444
2-Chlorotoluene	ND		0.00381	1	12/27/2023 15:05	WG2196444
4-Chlorotoluene	ND		0.00763	1	12/27/2023 15:05	WG2196444
1,2-Dibromo-3-Chloropropane	ND		0.0381	1	12/27/2023 15:05	WG2196444
1,2-Dibromoethane	ND		0.00381	1	12/27/2023 15:05	WG2196444
Dibromomethane	ND		0.00763	1	12/27/2023 15:05	WG2196444
1,2-Dichlorobenzene	ND		0.00763	1	12/27/2023 15:05	WG2196444
1,3-Dichlorobenzene	ND		0.00763	1	12/27/2023 15:05	WG2196444
1,4-Dichlorobenzene	ND		0.00763	1	12/27/2023 15:05	WG2196444
Dichlorodifluoromethane	ND		0.00763	1	12/27/2023 15:05	WG2196444
1,1-Dichloroethane	ND		0.00381	1	12/27/2023 15:05	WG2196444
1,2-Dichloroethane	ND		0.00381	1	12/27/2023 15:05	WG2196444
1,1-Dichloroethene	ND		0.00381	1	12/27/2023 15:05	WG2196444
cis-1,2-Dichloroethene	ND		0.00381	1	12/27/2023 15:05	WG2196444
trans-1,2-Dichloroethene	ND		0.00763	1	12/27/2023 15:05	WG2196444
1,2-Dichloropropane	ND		0.00763	1	12/27/2023 15:05	WG2196444
1,1-Dichloropropene	ND		0.00381	1	12/27/2023 15:05	WG2196444
1,3-Dichloropropane	ND		0.00763	1	12/27/2023 15:05	WG2196444
cis-1,3-Dichloropropene	ND		0.00381	1	12/27/2023 15:05	WG2196444
trans-1,3-Dichloropropene	ND		0.00763	1	12/27/2023 15:05	WG2196444
2,2-Dichloropropane	ND		0.00381	1	12/27/2023 15:05	WG2196444
Di-isopropyl ether	ND		0.00153	1	12/27/2023 15:05	WG2196444
Ethylbenzene	ND		0.00381	1	12/27/2023 15:05	WG2196444
Hexachloro-1,3-butadiene	ND		0.0381	1	12/27/2023 15:05	WG2196444
Isopropylbenzene	ND		0.00381	1	12/27/2023 15:05	WG2196444
p-Isopropyltoluene	ND		0.00763	1	12/27/2023 15:05	WG2196444
2-Butanone (MEK)	ND		0.153	1	12/27/2023 15:05	WG2196444
Methylene Chloride	ND		0.0381	1	12/27/2023 15:05	WG2196444
4-Methyl-2-pentanone (MIBK)	ND		0.0381	1	12/27/2023 15:05	WG2196444
Methyl tert-butyl ether	ND		0.00153	1	12/27/2023 15:05	WG2196444

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
Naphthalene	ND		0.0191	1	12/27/2023 15:05	WG2196444
n-Propylbenzene	ND		0.00763	1	12/27/2023 15:05	WG2196444
Styrene	ND		0.0191	1	12/27/2023 15:05	WG2196444
1,1,1,2-Tetrachloroethane	ND		0.00381	1	12/27/2023 15:05	WG2196444
1,1,2,2-Tetrachloroethane	ND		0.00381	1	12/27/2023 15:05	WG2196444
Tetrachloroethene	ND		0.00381	1	12/27/2023 15:05	WG2196444
Toluene	ND		0.00763	1	12/27/2023 15:05	WG2196444
1,2,3-Trichlorobenzene	ND		0.0191	1	12/27/2023 15:05	WG2196444
1,2,4-Trichlorobenzene	ND		0.0191	1	12/27/2023 15:05	WG2196444
1,1,1-Trichloroethane	ND		0.00381	1	12/27/2023 15:05	WG2196444
1,1,2-Trichloroethane	ND		0.00381	1	12/27/2023 15:05	WG2196444
Trichloroethene	ND		0.00153	1	12/27/2023 15:05	WG2196444
Trichlorofluoromethane	ND		0.00381	1	12/27/2023 15:05	WG2196444
1,2,3-Trichloropropane	ND		0.0191	1	12/27/2023 15:05	WG2196444
1,2,4-Trimethylbenzene	ND		0.00763	1	12/27/2023 15:05	WG2196444
1,3,5-Trimethylbenzene	ND		0.00763	1	12/27/2023 15:05	WG2196444
Vinyl chloride	ND	J4	0.00381	1	12/27/2023 15:05	WG2196444
Xylenes, Total	ND		0.00992	1	12/27/2023 15:05	WG2196444
(S) Toluene-d8	*99.7*		*75.0-131*		*12/27/2023 15:05*	WG2196444
(S) 4-Bromofluorobenzene	*105*		*67.0-138*		*12/27/2023 15:05*	WG2196444
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*12/27/2023 15:05*	WG2196444

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.8		1	12/26/2023 12:27	WG2195714

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Lead	155		2.51	5	01/04/2024 00:30	WG2195435

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		0.0753	1	12/27/2023 15:24	WG2196444
Acrylonitrile	ND		0.0188	1	12/27/2023 15:24	WG2196444
Benzene	ND		0.00151	1	12/27/2023 15:24	WG2196444
Bromobenzene	ND		0.0188	1	12/27/2023 15:24	WG2196444
Bromodichloromethane	ND		0.00377	1	12/27/2023 15:24	WG2196444
Bromoform	ND		0.0377	1	12/27/2023 15:24	WG2196444
Bromomethane	ND		0.0188	1	12/27/2023 15:24	WG2196444
n-Butylbenzene	ND		0.0188	1	12/27/2023 15:24	WG2196444
sec-Butylbenzene	ND		0.0188	1	12/27/2023 15:24	WG2196444
tert-Butylbenzene	ND		0.00753	1	12/27/2023 15:24	WG2196444
Carbon tetrachloride	ND		0.00753	1	12/27/2023 15:24	WG2196444
Chlorobenzene	ND		0.00377	1	12/27/2023 15:24	WG2196444
Chlorodibromomethane	ND		0.00377	1	12/27/2023 15:24	WG2196444
Chloroethane	ND		0.00753	1	12/27/2023 15:24	WG2196444
Chloroform	ND		0.00377	1	12/27/2023 15:24	WG2196444
Chloromethane	ND	J4	0.0188	1	12/27/2023 15:24	WG2196444
2-Chlorotoluene	ND		0.00377	1	12/27/2023 15:24	WG2196444
4-Chlorotoluene	ND		0.00753	1	12/27/2023 15:24	WG2196444
1,2-Dibromo-3-Chloropropane	ND		0.0377	1	12/27/2023 15:24	WG2196444
1,2-Dibromoethane	ND		0.00377	1	12/27/2023 15:24	WG2196444
Dibromomethane	ND		0.00753	1	12/27/2023 15:24	WG2196444
1,2-Dichlorobenzene	ND		0.00753	1	12/27/2023 15:24	WG2196444
1,3-Dichlorobenzene	ND		0.00753	1	12/27/2023 15:24	WG2196444
1,4-Dichlorobenzene	ND		0.00753	1	12/27/2023 15:24	WG2196444
Dichlorodifluoromethane	ND		0.00753	1	12/27/2023 15:24	WG2196444
1,1-Dichloroethane	ND		0.00377	1	12/27/2023 15:24	WG2196444
1,2-Dichloroethane	ND		0.00377	1	12/27/2023 15:24	WG2196444
1,1-Dichloroethene	ND		0.00377	1	12/27/2023 15:24	WG2196444
cis-1,2-Dichloroethene	ND		0.00377	1	12/27/2023 15:24	WG2196444
trans-1,2-Dichloroethene	ND		0.00753	1	12/27/2023 15:24	WG2196444
1,2-Dichloropropane	ND		0.00753	1	12/27/2023 15:24	WG2196444
1,1-Dichloropropene	ND		0.00377	1	12/27/2023 15:24	WG2196444
1,3-Dichloropropane	ND		0.00753	1	12/27/2023 15:24	WG2196444
cis-1,3-Dichloropropene	ND		0.00377	1	12/27/2023 15:24	WG2196444
trans-1,3-Dichloropropene	ND		0.00753	1	12/27/2023 15:24	WG2196444
2,2-Dichloropropane	ND		0.00377	1	12/27/2023 15:24	WG2196444
Di-isopropyl ether	ND		0.00151	1	12/27/2023 15:24	WG2196444
Ethylbenzene	ND		0.00377	1	12/27/2023 15:24	WG2196444
Hexachloro-1,3-butadiene	ND		0.0377	1	12/27/2023 15:24	WG2196444
Isopropylbenzene	ND		0.00377	1	12/27/2023 15:24	WG2196444
p-Isopropyltoluene	ND		0.00753	1	12/27/2023 15:24	WG2196444
2-Butanone (MEK)	ND		0.151	1	12/27/2023 15:24	WG2196444
Methylene Chloride	ND		0.0377	1	12/27/2023 15:24	WG2196444
4-Methyl-2-pentanone (MIBK)	ND		0.0377	1	12/27/2023 15:24	WG2196444
Methyl tert-butyl ether	ND		0.00151	1	12/27/2023 15:24	WG2196444

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
Naphthalene	0.0214		0.0188	1	12/27/2023 15:24	WG2196444
n-Propylbenzene	ND		0.00753	1	12/27/2023 15:24	WG2196444
Styrene	ND		0.0188	1	12/27/2023 15:24	WG2196444
1,1,1,2-Tetrachloroethane	ND		0.00377	1	12/27/2023 15:24	WG2196444
1,1,2,2-Tetrachloroethane	ND		0.00377	1	12/27/2023 15:24	WG2196444
Tetrachloroethene	ND		0.00377	1	12/27/2023 15:24	WG2196444
Toluene	0.00941		0.00753	1	12/27/2023 15:24	WG2196444
1,2,3-Trichlorobenzene	ND		0.0188	1	12/27/2023 15:24	WG2196444
1,2,4-Trichlorobenzene	ND		0.0188	1	12/27/2023 15:24	WG2196444
1,1,1-Trichloroethane	ND		0.00377	1	12/27/2023 15:24	WG2196444
1,1,2-Trichloroethane	ND		0.00377	1	12/27/2023 15:24	WG2196444
Trichloroethene	ND		0.00151	1	12/27/2023 15:24	WG2196444
Trichlorofluoromethane	ND		0.00377	1	12/27/2023 15:24	WG2196444
1,2,3-Trichloropropane	ND		0.0188	1	12/27/2023 15:24	WG2196444
1,2,4-Trimethylbenzene	ND		0.00753	1	12/27/2023 15:24	WG2196444
1,3,5-Trimethylbenzene	ND		0.00753	1	12/27/2023 15:24	WG2196444
Vinyl chloride	ND	J4	0.00377	1	12/27/2023 15:24	WG2196444
Xylenes, Total	0.0211		0.00979	1	12/27/2023 15:24	WG2196444
(S) Toluene-d8	*104*		*75.0-131*		*12/27/2023 15:24*	WG2196444
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*12/27/2023 15:24*	WG2196444
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*12/27/2023 15:24*	WG2196444

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.6		1	12/26/2023 12:27	WG2195714

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	01/01/2024 23:00	WG2198736

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0522	1	12/28/2023 16:34	WG2195322

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.92	5	01/04/2024 00:33	WG2195435
Arsenic	2.86		1.31	5	01/04/2024 00:33	WG2195435
Barium	25.0		3.26	5	01/04/2024 00:33	WG2195435
Beryllium	ND		3.26	5	01/04/2024 00:33	WG2195435
Cadmium	ND		1.31	5	01/04/2024 00:33	WG2195435
Chromium	35.4		6.53	5	01/04/2024 00:33	WG2195435
Cobalt	2.55		1.31	5	01/04/2024 00:33	WG2195435
Copper	24.1		6.53	5	01/04/2024 00:33	WG2195435
Lead	14.3		2.61	5	01/04/2024 00:33	WG2195435
Manganese	128		3.26	5	01/04/2024 00:33	WG2195435
Nickel	7.27		3.26	5	01/04/2024 00:33	WG2195435
Selenium	ND		3.26	5	01/04/2024 00:33	WG2195435
Silver	ND		0.653	5	01/04/2024 00:33	WG2195435
Thallium	ND		2.61	5	01/04/2024 00:33	WG2195435
Vanadium	132		3.26	5	01/04/2024 00:33	WG2195435
Zinc	ND		32.6	5	01/04/2024 00:33	WG2195435

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	12/27/2023 15:43	WG2196444
Acrylonitrile	ND		0.0203	1	12/27/2023 15:43	WG2196444
Benzene	ND		0.00162	1	12/27/2023 15:43	WG2196444
Bromobenzene	ND		0.0203	1	12/27/2023 15:43	WG2196444
Bromodichloromethane	ND		0.00405	1	12/27/2023 15:43	WG2196444
Bromoform	ND		0.0405	1	12/27/2023 15:43	WG2196444
Bromomethane	ND		0.0203	1	12/27/2023 15:43	WG2196444
n-Butylbenzene	ND		0.0203	1	12/27/2023 15:43	WG2196444
sec-Butylbenzene	ND		0.0203	1	12/27/2023 15:43	WG2196444
tert-Butylbenzene	ND		0.00810	1	12/27/2023 15:43	WG2196444
Carbon tetrachloride	ND		0.00810	1	12/27/2023 15:43	WG2196444
Chlorobenzene	ND		0.00405	1	12/27/2023 15:43	WG2196444
Chlorodibromomethane	ND		0.00405	1	12/27/2023 15:43	WG2196444
Chloroethane	ND		0.00810	1	12/27/2023 15:43	WG2196444
Chloroform	ND		0.00405	1	12/27/2023 15:43	WG2196444
Chloromethane	ND	J4	0.0203	1	12/27/2023 15:43	WG2196444
2-Chlorotoluene	ND		0.00405	1	12/27/2023 15:43	WG2196444
4-Chlorotoluene	ND		0.00810	1	12/27/2023 15:43	WG2196444
1,2-Dibromo-3-Chloropropane	ND		0.0405	1	12/27/2023 15:43	WG2196444

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	12/27/2023 15:43	WG2196444
Dibromomethane	ND		0.00810	1	12/27/2023 15:43	WG2196444
1,2-Dichlorobenzene	ND		0.00810	1	12/27/2023 15:43	WG2196444
1,3-Dichlorobenzene	ND		0.00810	1	12/27/2023 15:43	WG2196444
1,4-Dichlorobenzene	ND		0.00810	1	12/27/2023 15:43	WG2196444
Dichlorodifluoromethane	ND		0.00810	1	12/27/2023 15:43	WG2196444
1,1-Dichloroethane	ND		0.00405	1	12/27/2023 15:43	WG2196444
1,2-Dichloroethane	ND		0.00405	1	12/27/2023 15:43	WG2196444
1,1-Dichloroethene	ND		0.00405	1	12/27/2023 15:43	WG2196444
cis-1,2-Dichloroethene	ND		0.00405	1	12/27/2023 15:43	WG2196444
trans-1,2-Dichloroethene	ND		0.00810	1	12/27/2023 15:43	WG2196444
1,2-Dichloropropane	ND		0.00810	1	12/27/2023 15:43	WG2196444
1,1-Dichloropropene	ND		0.00405	1	12/27/2023 15:43	WG2196444
1,3-Dichloropropane	ND		0.00810	1	12/27/2023 15:43	WG2196444
cis-1,3-Dichloropropene	ND		0.00405	1	12/27/2023 15:43	WG2196444
trans-1,3-Dichloropropene	ND		0.00810	1	12/27/2023 15:43	WG2196444
2,2-Dichloropropane	ND		0.00405	1	12/27/2023 15:43	WG2196444
Di-isopropyl ether	ND		0.00162	1	12/27/2023 15:43	WG2196444
Ethylbenzene	ND		0.00405	1	12/27/2023 15:43	WG2196444
Hexachloro-1,3-butadiene	ND		0.0405	1	12/27/2023 15:43	WG2196444
Isopropylbenzene	ND		0.00405	1	12/27/2023 15:43	WG2196444
p-Isopropyltoluene	ND		0.00810	1	12/27/2023 15:43	WG2196444
2-Butanone (MEK)	ND		0.162	1	12/27/2023 15:43	WG2196444
Methylene Chloride	ND		0.0405	1	12/27/2023 15:43	WG2196444
4-Methyl-2-pentanone (MIBK)	ND		0.0405	1	12/27/2023 15:43	WG2196444
Methyl tert-butyl ether	ND		0.00162	1	12/27/2023 15:43	WG2196444
Naphthalene	ND		0.0203	1	12/27/2023 15:43	WG2196444
n-Propylbenzene	ND		0.00810	1	12/27/2023 15:43	WG2196444
Styrene	ND		0.0203	1	12/27/2023 15:43	WG2196444
1,1,1,2-Tetrachloroethane	ND		0.00405	1	12/27/2023 15:43	WG2196444
1,1,2,2-Tetrachloroethane	ND		0.00405	1	12/27/2023 15:43	WG2196444
Tetrachloroethene	ND		0.00405	1	12/27/2023 15:43	WG2196444
Toluene	ND		0.00810	1	12/27/2023 15:43	WG2196444
1,2,3-Trichlorobenzene	ND		0.0203	1	12/27/2023 15:43	WG2196444
1,2,4-Trichlorobenzene	ND		0.0203	1	12/27/2023 15:43	WG2196444
1,1,1-Trichloroethane	ND		0.00405	1	12/27/2023 15:43	WG2196444
1,1,2-Trichloroethane	ND		0.00405	1	12/27/2023 15:43	WG2196444
Trichloroethene	ND		0.00162	1	12/27/2023 15:43	WG2196444
Trichlorofluoromethane	ND		0.00405	1	12/27/2023 15:43	WG2196444
1,2,3-Trichloropropane	ND		0.0203	1	12/27/2023 15:43	WG2196444
1,2,4-Trimethylbenzene	ND		0.00810	1	12/27/2023 15:43	WG2196444
1,3,5-Trimethylbenzene	ND		0.00810	1	12/27/2023 15:43	WG2196444
Vinyl chloride	ND	J4	0.00405	1	12/27/2023 15:43	WG2196444
Xylenes, Total	ND		0.0105	1	12/27/2023 15:43	WG2196444
(S) Toluene-d8	*100*		*75.0-131*		*12/27/2023 15:43*	WG2196444
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*12/27/2023 15:43*	WG2196444
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*12/27/2023 15:43*	WG2196444

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	12/29/2023 20:45	WG2196008
Acenaphthylene	ND		0.0435	1	12/29/2023 20:45	WG2196008
Anthracene	ND		0.0435	1	12/29/2023 20:45	WG2196008
Benzidine	ND		2.18	1	12/29/2023 20:45	WG2196008
Benzo(a)anthracene	ND		0.0435	1	12/29/2023 20:45	WG2196008

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		0.0435	1	12/29/2023 20:45	WG2196008
Benzo(k)fluoranthene	ND		0.0435	1	12/29/2023 20:45	WG2196008
Benzo(g,h,i)perylene	ND		0.0435	1	12/29/2023 20:45	WG2196008
Benzo(a)pyrene	ND		0.0435	1	12/29/2023 20:45	WG2196008
Bis(2-chlorethoxy)methane	ND		0.435	1	12/29/2023 20:45	WG2196008
Bis(2-chloroethyl)ether	ND		0.435	1	12/29/2023 20:45	WG2196008
2,2-Oxybis(1-Chloropropane)	ND		0.435	1	12/29/2023 20:45	WG2196008
4-Bromophenyl-phenylether	ND		0.435	1	12/29/2023 20:45	WG2196008
2-Chloronaphthalene	ND		0.0435	1	12/29/2023 20:45	WG2196008
4-Chlorophenyl-phenylether	ND		0.435	1	12/29/2023 20:45	WG2196008
Chrysene	ND		0.0435	1	12/29/2023 20:45	WG2196008
Dibenz(a,h)anthracene	ND		0.0435	1	12/29/2023 20:45	WG2196008
3,3-Dichlorobenzidine	ND		0.435	1	12/29/2023 20:45	WG2196008
2,4-Dinitrotoluene	ND		0.435	1	12/29/2023 20:45	WG2196008
2,6-Dinitrotoluene	ND		0.435	1	12/29/2023 20:45	WG2196008
Fluoranthene	ND		0.0435	1	12/29/2023 20:45	WG2196008
Fluorene	ND		0.0435	1	12/29/2023 20:45	WG2196008
Hexachlorobenzene	ND		0.435	1	12/29/2023 20:45	WG2196008
Hexachloro-1,3-butadiene	ND		0.435	1	12/29/2023 20:45	WG2196008
Hexachlorocyclopentadiene	ND		0.435	1	12/29/2023 20:45	WG2196008
Hexachloroethane	ND		0.435	1	12/29/2023 20:45	WG2196008
Indeno(1,2,3-cd)pyrene	ND		0.0435	1	12/29/2023 20:45	WG2196008
Isophorone	ND		0.435	1	12/29/2023 20:45	WG2196008
Naphthalene	ND		0.0435	1	12/29/2023 20:45	WG2196008
Nitrobenzene	ND		0.435	1	12/29/2023 20:45	WG2196008
n-Nitrosodimethylamine	ND		0.435	1	12/29/2023 20:45	WG2196008
n-Nitrosodiphenylamine	ND		0.435	1	12/29/2023 20:45	WG2196008
n-Nitrosodi-n-propylamine	ND		0.435	1	12/29/2023 20:45	WG2196008
Phenanthrene	ND		0.0435	1	12/29/2023 20:45	WG2196008
Benzylbutyl phthalate	ND		0.435	1	12/29/2023 20:45	WG2196008
Bis(2-ethylhexyl)phthalate	ND		0.435	1	12/29/2023 20:45	WG2196008
Di-n-butyl phthalate	ND		0.435	1	12/29/2023 20:45	WG2196008
Diethyl phthalate	ND		0.435	1	12/29/2023 20:45	WG2196008
Dimethyl phthalate	ND		0.435	1	12/29/2023 20:45	WG2196008
Di-n-octyl phthalate	ND		0.435	1	12/29/2023 20:45	WG2196008
Pyrene	ND		0.0435	1	12/29/2023 20:45	WG2196008
1,2,4-Trichlorobenzene	ND		0.435	1	12/29/2023 20:45	WG2196008
4-Chloro-3-methylphenol	ND		0.435	1	12/29/2023 20:45	WG2196008
2-Chlorophenol	ND		0.435	1	12/29/2023 20:45	WG2196008
2,4-Dichlorophenol	ND		0.435	1	12/29/2023 20:45	WG2196008
2,4-Dimethylphenol	ND		0.435	1	12/29/2023 20:45	WG2196008
4,6-Dinitro-2-methylphenol	ND		0.435	1	12/29/2023 20:45	WG2196008
2,4-Dinitrophenol	ND		0.435	1	12/29/2023 20:45	WG2196008
2-Nitrophenol	ND		0.435	1	12/29/2023 20:45	WG2196008
4-Nitrophenol	ND		0.435	1	12/29/2023 20:45	WG2196008
Pentachlorophenol	ND		0.435	1	12/29/2023 20:45	WG2196008
Phenol	ND		0.435	1	12/29/2023 20:45	WG2196008
2,4,6-Trichlorophenol	ND		0.435	1	12/29/2023 20:45	WG2196008
(S) 2-Fluorophenol	*69.5*		*12.0-120*		*12/29/2023 20:45*	WG2196008
(S) Phenol-d5	*64.2*		*10.0-120*		*12/29/2023 20:45*	WG2196008
(S) Nitrobenzene-d5	*72.0*		*10.0-122*		*12/29/2023 20:45*	WG2196008
(S) 2-Fluorobiphenyl	*69.8*		*15.0-120*		*12/29/2023 20:45*	WG2196008
(S) 2,4,6-Tribromophenol	*113*		*10.0-127*		*12/29/2023 20:45*	WG2196008
(S) p-Terphenyl-d14	*71.7*		*10.0-120*		*12/29/2023 20:45*	WG2196008

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.0		1	12/26/2023 12:27	WG2195714

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	01/01/2024 23:06	WG2198736

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0805		0.0476	1	12/28/2023 16:36	WG2195322

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.57	5	01/04/2024 00:37	WG2195435
Arsenic	5.04		1.19	5	01/04/2024 00:37	WG2195435
Barium	141		2.97	5	01/04/2024 00:37	WG2195435
Beryllium	ND		2.97	5	01/04/2024 00:37	WG2195435
Cadmium	ND		1.19	5	01/04/2024 00:37	WG2195435
Chromium	24.9		5.95	5	01/04/2024 00:37	WG2195435
Cobalt	10.4		1.19	5	01/04/2024 00:37	WG2195435
Copper	54.7		5.95	5	01/04/2024 00:37	WG2195435
Lead	147		2.38	5	01/04/2024 00:37	WG2195435
Manganese	352		2.97	5	01/04/2024 00:37	WG2195435
Nickel	64.6		2.97	5	01/04/2024 00:37	WG2195435
Selenium	ND		2.97	5	01/04/2024 00:37	WG2195435
Silver	ND		0.595	5	01/04/2024 00:37	WG2195435
Thallium	ND		2.38	5	01/04/2024 00:37	WG2195435
Vanadium	40.6		2.97	5	01/04/2024 00:37	WG2195435
Zinc	189		29.7	5	01/04/2024 00:37	WG2195435

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	12/27/2023 16:02	WG2196444
Acrylonitrile	ND		0.0174	1	12/27/2023 16:02	WG2196444
Benzene	0.00218		0.00140	1	12/27/2023 16:02	WG2196444
Bromobenzene	ND		0.0174	1	12/27/2023 16:02	WG2196444
Bromodichloromethane	ND		0.00349	1	12/27/2023 16:02	WG2196444
Bromoform	ND		0.0349	1	12/27/2023 16:02	WG2196444
Bromomethane	ND		0.0174	1	12/27/2023 16:02	WG2196444
n-Butylbenzene	ND		0.0174	1	12/27/2023 16:02	WG2196444
sec-Butylbenzene	ND		0.0174	1	12/27/2023 16:02	WG2196444
tert-Butylbenzene	ND		0.00698	1	12/27/2023 16:02	WG2196444
Carbon tetrachloride	ND		0.00698	1	12/27/2023 16:02	WG2196444
Chlorobenzene	ND		0.00349	1	12/27/2023 16:02	WG2196444
Chlorodibromomethane	ND		0.00349	1	12/27/2023 16:02	WG2196444
Chloroethane	ND		0.00698	1	12/27/2023 16:02	WG2196444
Chloroform	ND		0.00349	1	12/27/2023 16:02	WG2196444
Chloromethane	ND	J4	0.0174	1	12/27/2023 16:02	WG2196444
2-Chlorotoluene	ND		0.00349	1	12/27/2023 16:02	WG2196444
4-Chlorotoluene	ND		0.00698	1	12/27/2023 16:02	WG2196444
1,2-Dibromo-3-Chloropropane	ND		0.0349	1	12/27/2023 16:02	WG2196444

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	12/27/2023 16:02	WG2196444
Dibromomethane	ND		0.00698	1	12/27/2023 16:02	WG2196444
1,2-Dichlorobenzene	ND		0.00698	1	12/27/2023 16:02	WG2196444
1,3-Dichlorobenzene	ND		0.00698	1	12/27/2023 16:02	WG2196444
1,4-Dichlorobenzene	ND		0.00698	1	12/27/2023 16:02	WG2196444
Dichlorodifluoromethane	ND		0.00698	1	12/27/2023 16:02	WG2196444
1,1-Dichloroethane	ND		0.00349	1	12/27/2023 16:02	WG2196444
1,2-Dichloroethane	ND		0.00349	1	12/27/2023 16:02	WG2196444
1,1-Dichloroethene	ND		0.00349	1	12/27/2023 16:02	WG2196444
cis-1,2-Dichloroethene	ND		0.00349	1	12/27/2023 16:02	WG2196444
trans-1,2-Dichloroethene	ND		0.00698	1	12/27/2023 16:02	WG2196444
1,2-Dichloropropane	ND		0.00698	1	12/27/2023 16:02	WG2196444
1,1-Dichloropropene	ND		0.00349	1	12/27/2023 16:02	WG2196444
1,3-Dichloropropane	ND		0.00698	1	12/27/2023 16:02	WG2196444
cis-1,3-Dichloropropene	ND		0.00349	1	12/27/2023 16:02	WG2196444
trans-1,3-Dichloropropene	ND		0.00698	1	12/27/2023 16:02	WG2196444
2,2-Dichloropropane	ND		0.00349	1	12/27/2023 16:02	WG2196444
Di-isopropyl ether	ND		0.00140	1	12/27/2023 16:02	WG2196444
Ethylbenzene	ND		0.00349	1	12/27/2023 16:02	WG2196444
Hexachloro-1,3-butadiene	ND		0.0349	1	12/27/2023 16:02	WG2196444
Isopropylbenzene	ND		0.00349	1	12/27/2023 16:02	WG2196444
p-Isopropyltoluene	ND		0.00698	1	12/27/2023 16:02	WG2196444
2-Butanone (MEK)	ND		0.140	1	12/27/2023 16:02	WG2196444
Methylene Chloride	ND		0.0349	1	12/27/2023 16:02	WG2196444
4-Methyl-2-pentanone (MIBK)	ND		0.0349	1	12/27/2023 16:02	WG2196444
Methyl tert-butyl ether	ND		0.00140	1	12/27/2023 16:02	WG2196444
Naphthalene	ND		0.0174	1	12/27/2023 16:02	WG2196444
n-Propylbenzene	ND		0.00698	1	12/27/2023 16:02	WG2196444
Styrene	ND		0.0174	1	12/27/2023 16:02	WG2196444
1,1,1,2-Tetrachloroethane	ND		0.00349	1	12/27/2023 16:02	WG2196444
1,1,2,2-Tetrachloroethane	ND		0.00349	1	12/27/2023 16:02	WG2196444
Tetrachloroethene	ND		0.00349	1	12/27/2023 16:02	WG2196444
Toluene	0.0125		0.00698	1	12/27/2023 16:02	WG2196444
1,2,3-Trichlorobenzene	ND		0.0174	1	12/27/2023 16:02	WG2196444
1,2,4-Trichlorobenzene	ND		0.0174	1	12/27/2023 16:02	WG2196444
1,1,1-Trichloroethane	ND		0.00349	1	12/27/2023 16:02	WG2196444
1,1,2-Trichloroethane	ND		0.00349	1	12/27/2023 16:02	WG2196444
Trichloroethene	ND		0.00140	1	12/27/2023 16:02	WG2196444
Trichlorofluoromethane	ND		0.00349	1	12/27/2023 16:02	WG2196444
1,2,3-Trichloropropane	ND		0.0174	1	12/27/2023 16:02	WG2196444
1,2,4-Trimethylbenzene	ND		0.00698	1	12/27/2023 16:02	WG2196444
1,3,5-Trimethylbenzene	ND		0.00698	1	12/27/2023 16:02	WG2196444
Vinyl chloride	ND	J4	0.00349	1	12/27/2023 16:02	WG2196444
Xylenes, Total	0.0180		0.00907	1	12/27/2023 16:02	WG2196444
(S) Toluene-d8	*99.9*		*75.0-131*		*12/27/2023 16:02*	WG2196444
(S) 4-Bromofluorobenzene	*98.9*		*67.0-138*		*12/27/2023 16:02*	WG2196444
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*12/27/2023 16:02*	WG2196444

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		0.199	5	12/29/2023 23:15	WG2196008
Acenaphthylene	ND		0.199	5	12/29/2023 23:15	WG2196008
Anthracene	ND		0.199	5	12/29/2023 23:15	WG2196008
Benzidine	ND		9.94	5	12/29/2023 23:15	WG2196008
Benzo(a)anthracene	0.312		0.199	5	12/29/2023 23:15	WG2196008

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		0.199	5	12/29/2023 23:15	WG2196008
Benzo(k)fluoranthene	ND		0.199	5	12/29/2023 23:15	WG2196008
Benzo(g,h,i)perylene	ND		0.199	5	12/29/2023 23:15	WG2196008
Benzo(a)pyrene	0.317		0.199	5	12/29/2023 23:15	WG2196008
Bis(2-chlorethoxy)methane	ND		1.99	5	12/29/2023 23:15	WG2196008
Bis(2-chloroethyl)ether	ND		1.99	5	12/29/2023 23:15	WG2196008
2,2-Oxybis(1-Chloropropane)	ND		1.99	5	12/29/2023 23:15	WG2196008
4-Bromophenyl-phenylether	ND		1.99	5	12/29/2023 23:15	WG2196008
2-Chloronaphthalene	ND		0.199	5	12/29/2023 23:15	WG2196008
4-Chlorophenyl-phenylether	ND		1.99	5	12/29/2023 23:15	WG2196008
Chrysene	0.317		0.199	5	12/29/2023 23:15	WG2196008
Dibenz(a,h)anthracene	ND		0.199	5	12/29/2023 23:15	WG2196008
3,3-Dichlorobenzidine	ND		1.99	5	12/29/2023 23:15	WG2196008
2,4-Dinitrotoluene	ND		1.99	5	12/29/2023 23:15	WG2196008
2,6-Dinitrotoluene	ND		1.99	5	12/29/2023 23:15	WG2196008
Fluoranthene	0.629		0.199	5	12/29/2023 23:15	WG2196008
Fluorene	ND		0.199	5	12/29/2023 23:15	WG2196008
Hexachlorobenzene	ND		1.99	5	12/29/2023 23:15	WG2196008
Hexachloro-1,3-butadiene	ND		1.99	5	12/29/2023 23:15	WG2196008
Hexachlorocyclopentadiene	ND		1.99	5	12/29/2023 23:15	WG2196008
Hexachloroethane	ND		1.99	5	12/29/2023 23:15	WG2196008
Indeno(1,2,3-cd)pyrene	ND		0.199	5	12/29/2023 23:15	WG2196008
Isophorone	ND		1.99	5	12/29/2023 23:15	WG2196008
Naphthalene	ND		0.199	5	12/29/2023 23:15	WG2196008
Nitrobenzene	ND		1.99	5	12/29/2023 23:15	WG2196008
n-Nitrosodimethylamine	ND		1.99	5	12/29/2023 23:15	WG2196008
n-Nitrosodiphenylamine	ND		1.99	5	12/29/2023 23:15	WG2196008
n-Nitrosodi-n-propylamine	ND		1.99	5	12/29/2023 23:15	WG2196008
Phenanthrene	0.331		0.199	5	12/29/2023 23:15	WG2196008
Benzylbutyl phthalate	ND		1.99	5	12/29/2023 23:15	WG2196008
Bis(2-ethylhexyl)phthalate	ND		1.99	5	12/29/2023 23:15	WG2196008
Di-n-butyl phthalate	ND		1.99	5	12/29/2023 23:15	WG2196008
Diethyl phthalate	ND		1.99	5	12/29/2023 23:15	WG2196008
Dimethyl phthalate	ND		1.99	5	12/29/2023 23:15	WG2196008
Di-n-octyl phthalate	ND		1.99	5	12/29/2023 23:15	WG2196008
Pyrene	0.525		0.199	5	12/29/2023 23:15	WG2196008
1,2,4-Trichlorobenzene	ND		1.99	5	12/29/2023 23:15	WG2196008
4-Chloro-3-methylphenol	ND		1.99	5	12/29/2023 23:15	WG2196008
2-Chlorophenol	ND		1.99	5	12/29/2023 23:15	WG2196008
2,4-Dichlorophenol	ND		1.99	5	12/29/2023 23:15	WG2196008
2,4-Dimethylphenol	ND		1.99	5	12/29/2023 23:15	WG2196008
4,6-Dinitro-2-methylphenol	ND		1.99	5	12/29/2023 23:15	WG2196008
2,4-Dinitrophenol	ND		1.99	5	12/29/2023 23:15	WG2196008
2-Nitrophenol	ND		1.99	5	12/29/2023 23:15	WG2196008
4-Nitrophenol	ND		1.99	5	12/29/2023 23:15	WG2196008
Pentachlorophenol	ND		1.99	5	12/29/2023 23:15	WG2196008
Phenol	ND		1.99	5	12/29/2023 23:15	WG2196008
2,4,6-Trichlorophenol	ND		1.99	5	12/29/2023 23:15	WG2196008
(S) 2-Fluorophenol	*62.0*		*12.0-120*		*12/29/2023 23:15*	WG2196008
(S) Phenol-d5	*59.4*		*10.0-120*		*12/29/2023 23:15*	WG2196008
(S) Nitrobenzene-d5	*61.0*		*10.0-122*		*12/29/2023 23:15*	WG2196008
(S) 2-Fluorobiphenyl	*65.3*		*15.0-120*		*12/29/2023 23:15*	WG2196008
(S) 2,4,6-Tribromophenol	*92.6*		*10.0-127*		*12/29/2023 23:15*	WG2196008
(S) p-Terphenyl-d14	*66.3*		*10.0-120*		*12/29/2023 23:15*	WG2196008

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.9		1	12/26/2023 12:27	WG2195714

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	01/01/2024 23:13	WG2198736

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0831		0.0500	1	12/28/2023 16:39	WG2195322

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.75	5	01/04/2024 00:40	WG2195435
Arsenic	4.73		1.25	5	01/04/2024 00:40	WG2195435
Barium	101		3.13	5	01/04/2024 00:40	WG2195435
Beryllium	ND		3.13	5	01/04/2024 00:40	WG2195435
Cadmium	ND		1.25	5	01/04/2024 00:40	WG2195435
Chromium	17.0		6.26	5	01/04/2024 00:40	WG2195435
Cobalt	14.0		1.25	5	01/04/2024 00:40	WG2195435
Copper	60.5		6.26	5	01/04/2024 00:40	WG2195435
Lead	121		2.50	5	01/04/2024 00:40	WG2195435
Manganese	278		3.13	5	01/04/2024 00:40	WG2195435
Nickel	12.4		3.13	5	01/04/2024 00:40	WG2195435
Selenium	ND		3.13	5	01/04/2024 00:40	WG2195435
Silver	ND		0.626	5	01/04/2024 00:40	WG2195435
Thallium	ND		2.50	5	01/04/2024 00:40	WG2195435
Vanadium	25.8		3.13	5	01/04/2024 00:40	WG2195435
Zinc	209		31.3	5	01/04/2024 00:40	WG2195435

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		0.0788	1.06	12/27/2023 16:21	WG2196444
Acrylonitrile	ND		0.0198	1.06	12/27/2023 16:21	WG2196444
Benzene	0.00587		0.00158	1.06	12/27/2023 16:21	WG2196444
Bromobenzene	ND		0.0198	1.06	12/27/2023 16:21	WG2196444
Bromodichloromethane	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
Bromoform	ND		0.0394	1.06	12/27/2023 16:21	WG2196444
Bromomethane	ND		0.0198	1.06	12/27/2023 16:21	WG2196444
n-Butylbenzene	ND		0.0198	1.06	12/27/2023 16:21	WG2196444
sec-Butylbenzene	ND		0.0198	1.06	12/27/2023 16:21	WG2196444
tert-Butylbenzene	ND		0.00788	1.06	12/27/2023 16:21	WG2196444
Carbon tetrachloride	ND		0.00788	1.06	12/27/2023 16:21	WG2196444
Chlorobenzene	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
Chlorodibromomethane	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
Chloroethane	ND		0.00788	1.06	12/27/2023 16:21	WG2196444
Chloroform	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
Chloromethane	ND	J4	0.0198	1.06	12/27/2023 16:21	WG2196444
2-Chlorotoluene	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
4-Chlorotoluene	ND		0.00788	1.06	12/27/2023 16:21	WG2196444
1,2-Dibromo-3-Chloropropane	ND		0.0394	1.06	12/27/2023 16:21	WG2196444

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		0.00394	1.06	12/27/2023 16:21	WG2196444
Dibromomethane	ND		0.00788	1.06	12/27/2023 16:21	WG2196444
1,2-Dichlorobenzene	ND		0.00788	1.06	12/27/2023 16:21	WG2196444
1,3-Dichlorobenzene	ND		0.00788	1.06	12/27/2023 16:21	WG2196444
1,4-Dichlorobenzene	ND		0.00788	1.06	12/27/2023 16:21	WG2196444
Dichlorodifluoromethane	ND		0.00788	1.06	12/27/2023 16:21	WG2196444
1,1-Dichloroethane	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
1,2-Dichloroethane	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
1,1-Dichloroethene	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
cis-1,2-Dichloroethene	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
trans-1,2-Dichloroethene	ND		0.00788	1.06	12/27/2023 16:21	WG2196444
1,2-Dichloropropane	ND		0.00788	1.06	12/27/2023 16:21	WG2196444
1,1-Dichloropropene	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
1,3-Dichloropropane	ND		0.00788	1.06	12/27/2023 16:21	WG2196444
cis-1,3-Dichloropropene	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
trans-1,3-Dichloropropene	ND		0.00788	1.06	12/27/2023 16:21	WG2196444
2,2-Dichloropropane	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
Di-isopropyl ether	ND		0.00158	1.06	12/27/2023 16:21	WG2196444
Ethylbenzene	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
Hexachloro-1,3-butadiene	ND		0.0394	1.06	12/27/2023 16:21	WG2196444
Isopropylbenzene	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
p-Isopropyltoluene	ND		0.00788	1.06	12/27/2023 16:21	WG2196444
2-Butanone (MEK)	ND		0.158	1.06	12/27/2023 16:21	WG2196444
Methylene Chloride	ND		0.0394	1.06	12/27/2023 16:21	WG2196444
4-Methyl-2-pentanone (MIBK)	ND		0.0394	1.06	12/27/2023 16:21	WG2196444
Methyl tert-butyl ether	ND		0.00158	1.06	12/27/2023 16:21	WG2196444
Naphthalene	0.0228		0.0198	1.06	12/27/2023 16:21	WG2196444
n-Propylbenzene	ND		0.00788	1.06	12/27/2023 16:21	WG2196444
Styrene	ND		0.0198	1.06	12/27/2023 16:21	WG2196444
1,1,1,2-Tetrachloroethane	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
1,1,2,2-Tetrachloroethane	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
Tetrachloroethene	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
Toluene	0.0173		0.00788	1.06	12/27/2023 16:21	WG2196444
1,2,3-Trichlorobenzene	ND		0.0198	1.06	12/27/2023 16:21	WG2196444
1,2,4-Trichlorobenzene	ND		0.0198	1.06	12/27/2023 16:21	WG2196444
1,1,1-Trichloroethane	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
1,1,2-Trichloroethane	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
Trichloroethene	ND		0.00158	1.06	12/27/2023 16:21	WG2196444
Trichlorofluoromethane	ND		0.00394	1.06	12/27/2023 16:21	WG2196444
1,2,3-Trichloropropane	ND		0.0198	1.06	12/27/2023 16:21	WG2196444
1,2,4-Trimethylbenzene	0.00929		0.00788	1.06	12/27/2023 16:21	WG2196444
1,3,5-Trimethylbenzene	ND		0.00788	1.06	12/27/2023 16:21	WG2196444
Vinyl chloride	ND	J4	0.00394	1.06	12/27/2023 16:21	WG2196444
Xylenes, Total	0.0300		0.0102	1.06	12/27/2023 16:21	WG2196444
(S) Toluene-d8	*104*		*75.0-131*		*12/27/2023 16:21*	WG2196444
(S) 4-Bromofluorobenzene	*96.9*		*67.0-138*		*12/27/2023 16:21*	WG2196444
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*12/27/2023 16:21*	WG2196444

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		0.209	5	12/29/2023 22:10	WG2196008
Acenaphthylene	ND		0.209	5	12/29/2023 22:10	WG2196008
Anthracene	ND		0.209	5	12/29/2023 22:10	WG2196008
Benzidine	ND		10.4	5	12/29/2023 22:10	WG2196008
Benzo(a)anthracene	0.926		0.209	5	12/29/2023 22:10	WG2196008

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	1.18		0.209	5	12/29/2023 22:10	WG2196008
Benzo(k)fluoranthene	0.349		0.209	5	12/29/2023 22:10	WG2196008
Benzo(g,h,i)perylene	0.424		0.209	5	12/29/2023 22:10	WG2196008
Benzo(a)pyrene	0.861		0.209	5	12/29/2023 22:10	WG2196008
Bis(2-chlorethoxy)methane	ND		2.09	5	12/29/2023 22:10	WG2196008
Bis(2-chloroethyl)ether	ND		2.09	5	12/29/2023 22:10	WG2196008
2,2-Oxybis(1-Chloropropane)	ND		2.09	5	12/29/2023 22:10	WG2196008
4-Bromophenyl-phenylether	ND		2.09	5	12/29/2023 22:10	WG2196008
2-Chloronaphthalene	ND		0.209	5	12/29/2023 22:10	WG2196008
4-Chlorophenyl-phenylether	ND		2.09	5	12/29/2023 22:10	WG2196008
Chrysene	0.961		0.209	5	12/29/2023 22:10	WG2196008
Dibenz(a,h)anthracene	ND		0.209	5	12/29/2023 22:10	WG2196008
3,3-Dichlorobenzidine	ND		2.09	5	12/29/2023 22:10	WG2196008
2,4-Dinitrotoluene	ND		2.09	5	12/29/2023 22:10	WG2196008
2,6-Dinitrotoluene	ND		2.09	5	12/29/2023 22:10	WG2196008
Fluoranthene	1.86		0.209	5	12/29/2023 22:10	WG2196008
Fluorene	ND		0.209	5	12/29/2023 22:10	WG2196008
Hexachlorobenzene	ND		2.09	5	12/29/2023 22:10	WG2196008
Hexachloro-1,3-butadiene	ND		2.09	5	12/29/2023 22:10	WG2196008
Hexachlorocyclopentadiene	ND		2.09	5	12/29/2023 22:10	WG2196008
Hexachloroethane	ND		2.09	5	12/29/2023 22:10	WG2196008
Indeno(1,2,3-cd)pyrene	0.488		0.209	5	12/29/2023 22:10	WG2196008
Isophorone	ND		2.09	5	12/29/2023 22:10	WG2196008
Naphthalene	ND		0.209	5	12/29/2023 22:10	WG2196008
Nitrobenzene	ND		2.09	5	12/29/2023 22:10	WG2196008
n-Nitrosodimethylamine	ND		2.09	5	12/29/2023 22:10	WG2196008
n-Nitrosodiphenylamine	ND		2.09	5	12/29/2023 22:10	WG2196008
n-Nitrosodi-n-propylamine	ND		2.09	5	12/29/2023 22:10	WG2196008
Phenanthrene	1.09		0.209	5	12/29/2023 22:10	WG2196008
Benzylbutyl phthalate	ND		2.09	5	12/29/2023 22:10	WG2196008
Bis(2-ethylhexyl)phthalate	ND		2.09	5	12/29/2023 22:10	WG2196008
Di-n-butyl phthalate	ND		2.09	5	12/29/2023 22:10	WG2196008
Diethyl phthalate	ND		2.09	5	12/29/2023 22:10	WG2196008
Dimethyl phthalate	ND		2.09	5	12/29/2023 22:10	WG2196008
Di-n-octyl phthalate	ND		2.09	5	12/29/2023 22:10	WG2196008
Pyrene	1.53		0.209	5	12/29/2023 22:10	WG2196008
1,2,4-Trichlorobenzene	ND		2.09	5	12/29/2023 22:10	WG2196008
4-Chloro-3-methylphenol	ND		2.09	5	12/29/2023 22:10	WG2196008
2-Chlorophenol	ND		2.09	5	12/29/2023 22:10	WG2196008
2,4-Dichlorophenol	ND		2.09	5	12/29/2023 22:10	WG2196008
2,4-Dimethylphenol	ND		2.09	5	12/29/2023 22:10	WG2196008
4,6-Dinitro-2-methylphenol	ND		2.09	5	12/29/2023 22:10	WG2196008
2,4-Dinitrophenol	ND		2.09	5	12/29/2023 22:10	WG2196008
2-Nitrophenol	ND		2.09	5	12/29/2023 22:10	WG2196008
4-Nitrophenol	ND		2.09	5	12/29/2023 22:10	WG2196008
Pentachlorophenol	ND		2.09	5	12/29/2023 22:10	WG2196008
Phenol	ND		2.09	5	12/29/2023 22:10	WG2196008
2,4,6-Trichlorophenol	ND		2.09	5	12/29/2023 22:10	WG2196008
(S) 2-Fluorophenol	*65.0*		*12.0-120*		*12/29/2023 22:10*	WG2196008
(S) Phenol-d5	*57.4*		*10.0-120*		*12/29/2023 22:10*	WG2196008
(S) Nitrobenzene-d5	*63.4*		*10.0-122*		*12/29/2023 22:10*	WG2196008
(S) 2-Fluorobiphenyl	*63.4*		*15.0-120*		*12/29/2023 22:10*	WG2196008
(S) 2,4,6-Tribromophenol	*95.0*		*10.0-127*		*12/29/2023 22:10*	WG2196008
(S) p-Terphenyl-d14	*66.8*		*10.0-120*		*12/29/2023 22:10*	WG2196008

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.4		1	12/26/2023 13:59	WG2195715

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Lead	384		2.65	5	01/04/2024 00:43	WG2195435

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		0.0966	1.21	12/27/2023 16:39	WG2196444
Acrylonitrile	ND		0.0241	1.21	12/27/2023 16:39	WG2196444
Benzene	ND		0.00193	1.21	12/27/2023 16:39	WG2196444
Bromobenzene	ND		0.0241	1.21	12/27/2023 16:39	WG2196444
Bromodichloromethane	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
Bromoform	ND		0.0484	1.21	12/27/2023 16:39	WG2196444
Bromomethane	ND		0.0241	1.21	12/27/2023 16:39	WG2196444
n-Butylbenzene	ND		0.0241	1.21	12/27/2023 16:39	WG2196444
sec-Butylbenzene	ND		0.0241	1.21	12/27/2023 16:39	WG2196444
tert-Butylbenzene	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
Carbon tetrachloride	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
Chlorobenzene	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
Chlorodibromomethane	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
Chloroethane	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
Chloroform	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
Chloromethane	ND	J4	0.0241	1.21	12/27/2023 16:39	WG2196444
2-Chlorotoluene	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
4-Chlorotoluene	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
1,2-Dibromo-3-Chloropropane	ND		0.0484	1.21	12/27/2023 16:39	WG2196444
1,2-Dibromoethane	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
Dibromomethane	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
1,2-Dichlorobenzene	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
1,3-Dichlorobenzene	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
1,4-Dichlorobenzene	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
Dichlorodifluoromethane	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
1,1-Dichloroethane	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
1,2-Dichloroethane	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
1,1-Dichloroethene	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
cis-1,2-Dichloroethene	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
trans-1,2-Dichloroethene	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
1,2-Dichloropropane	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
1,1-Dichloropropene	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
1,3-Dichloropropane	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
cis-1,3-Dichloropropene	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
trans-1,3-Dichloropropene	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
2,2-Dichloropropane	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
Di-isopropyl ether	ND		0.00193	1.21	12/27/2023 16:39	WG2196444
Ethylbenzene	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
Hexachloro-1,3-butadiene	ND		0.0484	1.21	12/27/2023 16:39	WG2196444
Isopropylbenzene	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
p-Isopropyltoluene	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
2-Butanone (MEK)	ND		0.193	1.21	12/27/2023 16:39	WG2196444
Methylene Chloride	ND		0.0484	1.21	12/27/2023 16:39	WG2196444
4-Methyl-2-pentanone (MIBK)	ND		0.0484	1.21	12/27/2023 16:39	WG2196444
Methyl tert-butyl ether	ND		0.00193	1.21	12/27/2023 16:39	WG2196444

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Naphthalene	ND		0.0241	1.21	12/27/2023 16:39	WG2196444
n-Propylbenzene	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
Styrene	ND		0.0241	1.21	12/27/2023 16:39	WG2196444
1,1,1,2-Tetrachloroethane	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
1,1,2,2-Tetrachloroethane	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
Tetrachloroethene	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
Toluene	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
1,2,3-Trichlorobenzene	ND		0.0241	1.21	12/27/2023 16:39	WG2196444
1,2,4-Trichlorobenzene	ND		0.0241	1.21	12/27/2023 16:39	WG2196444
1,1,1-Trichloroethane	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
1,1,2-Trichloroethane	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
Trichloroethene	ND		0.00193	1.21	12/27/2023 16:39	WG2196444
Trichlorofluoromethane	ND		0.00484	1.21	12/27/2023 16:39	WG2196444
1,2,3-Trichloropropane	ND		0.0241	1.21	12/27/2023 16:39	WG2196444
1,2,4-Trimethylbenzene	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
1,3,5-Trimethylbenzene	ND		0.00966	1.21	12/27/2023 16:39	WG2196444
Vinyl chloride	ND	J4	0.00484	1.21	12/27/2023 16:39	WG2196444
Xylenes, Total	ND		0.0125	1.21	12/27/2023 16:39	WG2196444
(S) Toluene-d8	*110*		*75.0-131*		*12/27/2023 16:39*	WG2196444
(S) 4-Bromofluorobenzene	*94.7*		*67.0-138*		*12/27/2023 16:39*	WG2196444
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*12/27/2023 16:39*	WG2196444

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.7		1	12/26/2023 13:59	WG2195715

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	01/01/2024 23:19	WG2198736

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.124		0.0484	1	12/28/2023 16:41	WG2195322

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.63	5	01/04/2024 00:47	WG2195435
Arsenic	2.80		1.21	5	01/04/2024 00:47	WG2195435
Barium	109		3.02	5	01/04/2024 00:47	WG2195435
Beryllium	ND		3.02	5	01/04/2024 00:47	WG2195435
Cadmium	ND		1.21	5	01/04/2024 00:47	WG2195435
Chromium	21.4		6.05	5	01/04/2024 00:47	WG2195435
Cobalt	5.86		1.21	5	01/04/2024 00:47	WG2195435
Copper	42.1		6.05	5	01/04/2024 00:47	WG2195435
Lead	102		2.42	5	01/04/2024 00:47	WG2195435
Manganese	243		3.02	5	01/04/2024 00:47	WG2195435
Nickel	12.0		3.02	5	01/04/2024 00:47	WG2195435
Selenium	ND		3.02	5	01/04/2024 00:47	WG2195435
Silver	ND		0.605	5	01/04/2024 00:47	WG2195435
Thallium	ND		2.42	5	01/04/2024 00:47	WG2195435
Vanadium	27.4		3.02	5	01/04/2024 00:47	WG2195435
Zinc	165		30.2	5	01/04/2024 00:47	WG2195435

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		0.0735	1.04	12/27/2023 16:58	WG2196444
Acrylonitrile	ND		0.0184	1.04	12/27/2023 16:58	WG2196444
Benzene	ND		0.00147	1.04	12/27/2023 16:58	WG2196444
Bromobenzene	ND		0.0184	1.04	12/27/2023 16:58	WG2196444
Bromodichloromethane	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
Bromoform	ND		0.0367	1.04	12/27/2023 16:58	WG2196444
Bromomethane	ND		0.0184	1.04	12/27/2023 16:58	WG2196444
n-Butylbenzene	ND		0.0184	1.04	12/27/2023 16:58	WG2196444
sec-Butylbenzene	ND		0.0184	1.04	12/27/2023 16:58	WG2196444
tert-Butylbenzene	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
Carbon tetrachloride	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
Chlorobenzene	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
Chlorodibromomethane	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
Chloroethane	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
Chloroform	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
Chloromethane	ND	J4	0.0184	1.04	12/27/2023 16:58	WG2196444
2-Chlorotoluene	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
4-Chlorotoluene	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
1,2-Dibromo-3-Chloropropane	ND		0.0367	1.04	12/27/2023 16:58	WG2196444

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		0.00367	1.04	12/27/2023 16:58	WG2196444
Dibromomethane	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
1,2-Dichlorobenzene	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
1,3-Dichlorobenzene	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
1,4-Dichlorobenzene	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
Dichlorodifluoromethane	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
1,1-Dichloroethane	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
1,2-Dichloroethane	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
1,1-Dichloroethene	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
cis-1,2-Dichloroethene	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
trans-1,2-Dichloroethene	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
1,2-Dichloropropane	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
1,1-Dichloropropene	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
1,3-Dichloropropane	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
cis-1,3-Dichloropropene	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
trans-1,3-Dichloropropene	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
2,2-Dichloropropane	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
Di-isopropyl ether	ND		0.00147	1.04	12/27/2023 16:58	WG2196444
Ethylbenzene	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
Hexachloro-1,3-butadiene	ND		0.0367	1.04	12/27/2023 16:58	WG2196444
Isopropylbenzene	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
p-Isopropyltoluene	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
2-Butanone (MEK)	ND		0.147	1.04	12/27/2023 16:58	WG2196444
Methylene Chloride	ND		0.0367	1.04	12/27/2023 16:58	WG2196444
4-Methyl-2-pentanone (MIBK)	ND		0.0367	1.04	12/27/2023 16:58	WG2196444
Methyl tert-butyl ether	ND		0.00147	1.04	12/27/2023 16:58	WG2196444
Naphthalene	ND		0.0184	1.04	12/27/2023 16:58	WG2196444
n-Propylbenzene	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
Styrene	ND		0.0184	1.04	12/27/2023 16:58	WG2196444
1,1,1,2-Tetrachloroethane	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
1,1,2,2-Tetrachloroethane	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
Tetrachloroethene	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
Toluene	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
1,2,3-Trichlorobenzene	ND		0.0184	1.04	12/27/2023 16:58	WG2196444
1,2,4-Trichlorobenzene	ND		0.0184	1.04	12/27/2023 16:58	WG2196444
1,1,1-Trichloroethane	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
1,1,2-Trichloroethane	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
Trichloroethene	ND		0.00147	1.04	12/27/2023 16:58	WG2196444
Trichlorofluoromethane	ND		0.00367	1.04	12/27/2023 16:58	WG2196444
1,2,3-Trichloropropane	ND		0.0184	1.04	12/27/2023 16:58	WG2196444
1,2,4-Trimethylbenzene	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
1,3,5-Trimethylbenzene	ND		0.00735	1.04	12/27/2023 16:58	WG2196444
Vinyl chloride	ND	J4	0.00367	1.04	12/27/2023 16:58	WG2196444
Xylenes, Total	ND		0.00955	1.04	12/27/2023 16:58	WG2196444
(S) Toluene-d8	*99.1*		*75.0-131*		*12/27/2023 16:58*	WG2196444
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*12/27/2023 16:58*	WG2196444
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*12/27/2023 16:58*	WG2196444

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	12/29/2023 21:28	WG2196008
Acenaphthylene	ND		0.0403	1	12/29/2023 21:28	WG2196008
Anthracene	ND		0.0403	1	12/29/2023 21:28	WG2196008
Benzidine	ND		2.02	1	12/29/2023 21:28	WG2196008
Benzo(a)anthracene	0.166		0.0403	1	12/29/2023 21:28	WG2196008

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	0.223		0.0403	1	12/29/2023 21:28	WG2196008
Benzo(k)fluoranthene	0.0655		0.0403	1	12/29/2023 21:28	WG2196008
Benzo(g,h,i)perylene	0.0860		0.0403	1	12/29/2023 21:28	WG2196008
Benzo(a)pyrene	0.158		0.0403	1	12/29/2023 21:28	WG2196008
Bis(2-chlorethoxy)methane	ND		0.403	1	12/29/2023 21:28	WG2196008
Bis(2-chloroethyl)ether	ND		0.403	1	12/29/2023 21:28	WG2196008
2,2-Oxybis(1-Chloropropane)	ND		0.403	1	12/29/2023 21:28	WG2196008
4-Bromophenyl-phenylether	ND		0.403	1	12/29/2023 21:28	WG2196008
2-Chloronaphthalene	ND		0.0403	1	12/29/2023 21:28	WG2196008
4-Chlorophenyl-phenylether	ND		0.403	1	12/29/2023 21:28	WG2196008
Chrysene	0.168		0.0403	1	12/29/2023 21:28	WG2196008
Dibenz(a,h)anthracene	ND		0.0403	1	12/29/2023 21:28	WG2196008
3,3-Dichlorobenzidine	ND		0.403	1	12/29/2023 21:28	WG2196008
2,4-Dinitrotoluene	ND		0.403	1	12/29/2023 21:28	WG2196008
2,6-Dinitrotoluene	ND		0.403	1	12/29/2023 21:28	WG2196008
Fluoranthene	0.358		0.0403	1	12/29/2023 21:28	WG2196008
Fluorene	ND		0.0403	1	12/29/2023 21:28	WG2196008
Hexachlorobenzene	ND		0.403	1	12/29/2023 21:28	WG2196008
Hexachloro-1,3-butadiene	ND		0.403	1	12/29/2023 21:28	WG2196008
Hexachlorocyclopentadiene	ND		0.403	1	12/29/2023 21:28	WG2196008
Hexachloroethane	ND		0.403	1	12/29/2023 21:28	WG2196008
Indeno(1,2,3-cd)pyrene	0.0949		0.0403	1	12/29/2023 21:28	WG2196008
Isophorone	ND		0.403	1	12/29/2023 21:28	WG2196008
Naphthalene	ND		0.0403	1	12/29/2023 21:28	WG2196008
Nitrobenzene	ND		0.403	1	12/29/2023 21:28	WG2196008
n-Nitrosodimethylamine	ND		0.403	1	12/29/2023 21:28	WG2196008
n-Nitrosodiphenylamine	ND		0.403	1	12/29/2023 21:28	WG2196008
n-Nitrosodi-n-propylamine	ND		0.403	1	12/29/2023 21:28	WG2196008
Phenanthrene	0.190		0.0403	1	12/29/2023 21:28	WG2196008
Benzylbutyl phthalate	ND		0.403	1	12/29/2023 21:28	WG2196008
Bis(2-ethylhexyl)phthalate	ND		0.403	1	12/29/2023 21:28	WG2196008
Di-n-butyl phthalate	ND		0.403	1	12/29/2023 21:28	WG2196008
Diethyl phthalate	ND		0.403	1	12/29/2023 21:28	WG2196008
Dimethyl phthalate	ND		0.403	1	12/29/2023 21:28	WG2196008
Di-n-octyl phthalate	ND		0.403	1	12/29/2023 21:28	WG2196008
Pyrene	0.278		0.0403	1	12/29/2023 21:28	WG2196008
1,2,4-Trichlorobenzene	ND		0.403	1	12/29/2023 21:28	WG2196008
4-Chloro-3-methylphenol	ND		0.403	1	12/29/2023 21:28	WG2196008
2-Chlorophenol	ND		0.403	1	12/29/2023 21:28	WG2196008
2,4-Dichlorophenol	ND		0.403	1	12/29/2023 21:28	WG2196008
2,4-Dimethylphenol	ND		0.403	1	12/29/2023 21:28	WG2196008
4,6-Dinitro-2-methylphenol	ND		0.403	1	12/29/2023 21:28	WG2196008
2,4-Dinitrophenol	ND		0.403	1	12/29/2023 21:28	WG2196008
2-Nitrophenol	ND		0.403	1	12/29/2023 21:28	WG2196008
4-Nitrophenol	ND		0.403	1	12/29/2023 21:28	WG2196008
Pentachlorophenol	ND		0.403	1	12/29/2023 21:28	WG2196008
Phenol	ND		0.403	1	12/29/2023 21:28	WG2196008
2,4,6-Trichlorophenol	ND		0.403	1	12/29/2023 21:28	WG2196008
(S) 2-Fluorophenol	*74.9*		*12.0-120*		*12/29/2023 21:28*	WG2196008
(S) Phenol-d5	*68.6*		*10.0-120*		*12/29/2023 21:28*	WG2196008
(S) Nitrobenzene-d5	*77.5*		*10.0-122*		*12/29/2023 21:28*	WG2196008
(S) 2-Fluorobiphenyl	*72.4*		*15.0-120*		*12/29/2023 21:28*	WG2196008
(S) 2,4,6-Tribromophenol	*119*		*10.0-127*		*12/29/2023 21:28*	WG2196008
(S) p-Terphenyl-d14	*76.9*		*10.0-120*		*12/29/2023 21:28*	WG2196008

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	12/27/2023 00:58	WG2196208
Acrolein	ND	J4	50.0	1	12/27/2023 00:58	WG2196208
Acrylonitrile	ND		10.0	1	12/27/2023 00:58	WG2196208
Benzene	ND		1.00	1	12/27/2023 00:58	WG2196208
Bromobenzene	ND		1.00	1	12/27/2023 00:58	WG2196208
Bromodichloromethane	ND		1.00	1	12/27/2023 00:58	WG2196208
Bromoform	ND		1.00	1	12/27/2023 00:58	WG2196208
Bromomethane	ND	C3	5.00	1	12/27/2023 00:58	WG2196208
n-Butylbenzene	ND		1.00	1	12/27/2023 00:58	WG2196208
sec-Butylbenzene	ND		1.00	1	12/27/2023 00:58	WG2196208
tert-Butylbenzene	ND		1.00	1	12/27/2023 00:58	WG2196208
Carbon tetrachloride	ND		1.00	1	12/27/2023 00:58	WG2196208
Chlorobenzene	ND		1.00	1	12/27/2023 00:58	WG2196208
Chlorodibromomethane	ND		1.00	1	12/27/2023 00:58	WG2196208
Chloroethane	ND	C3 J4	5.00	1	12/27/2023 00:58	WG2196208
Chloroform	ND		5.00	1	12/27/2023 00:58	WG2196208
Chloromethane	ND		2.50	1	12/27/2023 00:58	WG2196208
2-Chlorotoluene	ND		1.00	1	12/27/2023 00:58	WG2196208
4-Chlorotoluene	ND		1.00	1	12/27/2023 00:58	WG2196208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	12/27/2023 00:58	WG2196208
1,2-Dibromoethane	ND		1.00	1	12/27/2023 00:58	WG2196208
Dibromomethane	ND		1.00	1	12/27/2023 00:58	WG2196208
1,2-Dichlorobenzene	ND		1.00	1	12/27/2023 00:58	WG2196208
1,3-Dichlorobenzene	ND		1.00	1	12/27/2023 00:58	WG2196208
1,4-Dichlorobenzene	ND		1.00	1	12/27/2023 00:58	WG2196208
Dichlorodifluoromethane	ND		5.00	1	12/27/2023 00:58	WG2196208
1,1-Dichloroethane	ND		1.00	1	12/27/2023 00:58	WG2196208
1,2-Dichloroethane	ND		1.00	1	12/27/2023 00:58	WG2196208
1,1-Dichloroethene	ND		1.00	1	12/27/2023 00:58	WG2196208
cis-1,2-Dichloroethene	ND		1.00	1	12/27/2023 00:58	WG2196208
trans-1,2-Dichloroethene	ND		1.00	1	12/27/2023 00:58	WG2196208
1,2-Dichloropropane	ND		1.00	1	12/27/2023 00:58	WG2196208
1,1-Dichloropropene	ND		1.00	1	12/27/2023 00:58	WG2196208
1,3-Dichloropropane	ND		1.00	1	12/27/2023 00:58	WG2196208
cis-1,3-Dichloropropene	ND		1.00	1	12/27/2023 00:58	WG2196208
trans-1,3-Dichloropropene	ND		1.00	1	12/27/2023 00:58	WG2196208
2,2-Dichloropropane	ND		1.00	1	12/27/2023 00:58	WG2196208
Di-isopropyl ether	ND		1.00	1	12/27/2023 00:58	WG2196208
Ethylbenzene	ND		1.00	1	12/27/2023 00:58	WG2196208
Hexachloro-1,3-butadiene	ND		1.00	1	12/27/2023 00:58	WG2196208
Isopropylbenzene	ND		1.00	1	12/27/2023 00:58	WG2196208
p-Isopropyltoluene	ND		1.00	1	12/27/2023 00:58	WG2196208
2-Butanone (MEK)	ND		10.0	1	12/27/2023 00:58	WG2196208
Methylene Chloride	ND		5.00	1	12/27/2023 00:58	WG2196208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	12/27/2023 00:58	WG2196208
Methyl tert-butyl ether	ND		1.00	1	12/27/2023 00:58	WG2196208
Naphthalene	ND	C3 J4	5.00	1	12/27/2023 00:58	WG2196208
n-Propylbenzene	ND		1.00	1	12/27/2023 00:58	WG2196208
Styrene	ND		1.00	1	12/27/2023 00:58	WG2196208
1,1,1,2-Tetrachloroethane	ND		1.00	1	12/27/2023 00:58	WG2196208
1,1,2,2-Tetrachloroethane	ND		1.00	1	12/27/2023 00:58	WG2196208
Tetrachloroethene	ND		1.00	1	12/27/2023 00:58	WG2196208
Toluene	ND		1.00	1	12/27/2023 00:58	WG2196208
1,2,3-Trichlorobenzene	ND		1.00	1	12/27/2023 00:58	WG2196208
1,2,4-Trichlorobenzene	ND	C3	1.00	1	12/27/2023 00:58	WG2196208
1,1,1-Trichloroethane	ND		1.00	1	12/27/2023 00:58	WG2196208

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	12/27/2023 00:58	WG2196208
Trichloroethene	ND		1.00	1	12/27/2023 00:58	WG2196208
Trichlorofluoromethane	ND	C3	5.00	1	12/27/2023 00:58	WG2196208
1,2,3-Trichloropropane	ND		2.50	1	12/27/2023 00:58	WG2196208
1,2,4-Trimethylbenzene	ND		1.00	1	12/27/2023 00:58	WG2196208
1,3,5-Trimethylbenzene	ND		1.00	1	12/27/2023 00:58	WG2196208
Vinyl chloride	ND	C3 J4	1.00	1	12/27/2023 00:58	WG2196208
Xylenes, Total	ND		3.00	1	12/27/2023 00:58	WG2196208
(S) Toluene-d8	*105*		*80.0-120*		*12/27/2023 00:58*	WG2196208
(S) 4-Bromofluorobenzene	*89.5*		*77.0-126*		*12/27/2023 00:58*	WG2196208
(S) 1,2-Dichloroethane-d4	*91.4*		*70.0-130*		*12/27/2023 00:58*	WG2196208

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	12/27/2023 01:21	WG2196208
Acrolein	ND	J4	50.0	1	12/27/2023 01:21	WG2196208
Acrylonitrile	ND		10.0	1	12/27/2023 01:21	WG2196208
Benzene	ND		1.00	1	12/27/2023 01:21	WG2196208
Bromobenzene	ND		1.00	1	12/27/2023 01:21	WG2196208
Bromodichloromethane	ND		1.00	1	12/27/2023 01:21	WG2196208
Bromoform	ND		1.00	1	12/27/2023 01:21	WG2196208
Bromomethane	ND	C3	5.00	1	12/27/2023 01:21	WG2196208
n-Butylbenzene	ND		1.00	1	12/27/2023 01:21	WG2196208
sec-Butylbenzene	ND		1.00	1	12/27/2023 01:21	WG2196208
tert-Butylbenzene	ND		1.00	1	12/27/2023 01:21	WG2196208
Carbon tetrachloride	ND		1.00	1	12/27/2023 01:21	WG2196208
Chlorobenzene	ND		1.00	1	12/27/2023 01:21	WG2196208
Chlorodibromomethane	ND		1.00	1	12/27/2023 01:21	WG2196208
Chloroethane	ND	C3 J4	5.00	1	12/27/2023 01:21	WG2196208
Chloroform	ND		5.00	1	12/27/2023 01:21	WG2196208
Chloromethane	ND		2.50	1	12/27/2023 01:21	WG2196208
2-Chlorotoluene	ND		1.00	1	12/27/2023 01:21	WG2196208
4-Chlorotoluene	ND		1.00	1	12/27/2023 01:21	WG2196208
1,2-Dibromo-3-Chloropropane	ND		5.00	1	12/27/2023 01:21	WG2196208
1,2-Dibromoethane	ND		1.00	1	12/27/2023 01:21	WG2196208
Dibromomethane	ND		1.00	1	12/27/2023 01:21	WG2196208
1,2-Dichlorobenzene	ND		1.00	1	12/27/2023 01:21	WG2196208
1,3-Dichlorobenzene	ND		1.00	1	12/27/2023 01:21	WG2196208
1,4-Dichlorobenzene	ND		1.00	1	12/27/2023 01:21	WG2196208
Dichlorodifluoromethane	ND		5.00	1	12/27/2023 01:21	WG2196208
1,1-Dichloroethane	ND		1.00	1	12/27/2023 01:21	WG2196208
1,2-Dichloroethane	ND		1.00	1	12/27/2023 01:21	WG2196208
1,1-Dichloroethene	ND		1.00	1	12/27/2023 01:21	WG2196208
cis-1,2-Dichloroethene	ND		1.00	1	12/27/2023 01:21	WG2196208
trans-1,2-Dichloroethene	ND		1.00	1	12/27/2023 01:21	WG2196208
1,2-Dichloropropane	ND		1.00	1	12/27/2023 01:21	WG2196208
1,1-Dichloropropene	ND		1.00	1	12/27/2023 01:21	WG2196208
1,3-Dichloropropane	ND		1.00	1	12/27/2023 01:21	WG2196208
cis-1,3-Dichloropropene	ND		1.00	1	12/27/2023 01:21	WG2196208
trans-1,3-Dichloropropene	ND		1.00	1	12/27/2023 01:21	WG2196208
2,2-Dichloropropane	ND		1.00	1	12/27/2023 01:21	WG2196208
Di-isopropyl ether	ND		1.00	1	12/27/2023 01:21	WG2196208
Ethylbenzene	ND		1.00	1	12/27/2023 01:21	WG2196208
Hexachloro-1,3-butadiene	ND		1.00	1	12/27/2023 01:21	WG2196208
Isopropylbenzene	ND		1.00	1	12/27/2023 01:21	WG2196208
p-Isopropyltoluene	ND		1.00	1	12/27/2023 01:21	WG2196208
2-Butanone (MEK)	ND		10.0	1	12/27/2023 01:21	WG2196208
Methylene Chloride	ND		5.00	1	12/27/2023 01:21	WG2196208
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	12/27/2023 01:21	WG2196208
Methyl tert-butyl ether	ND		1.00	1	12/27/2023 01:21	WG2196208
Naphthalene	ND	C3 J4	5.00	1	12/27/2023 01:21	WG2196208
n-Propylbenzene	ND		1.00	1	12/27/2023 01:21	WG2196208
Styrene	ND		1.00	1	12/27/2023 01:21	WG2196208
1,1,1,2-Tetrachloroethane	ND		1.00	1	12/27/2023 01:21	WG2196208
1,1,2,2-Tetrachloroethane	ND		1.00	1	12/27/2023 01:21	WG2196208
Tetrachloroethene	ND		1.00	1	12/27/2023 01:21	WG2196208
Toluene	ND		1.00	1	12/27/2023 01:21	WG2196208
1,2,3-Trichlorobenzene	ND		1.00	1	12/27/2023 01:21	WG2196208
1,2,4-Trichlorobenzene	ND	C3	1.00	1	12/27/2023 01:21	WG2196208
1,1,1-Trichloroethane	ND		1.00	1	12/27/2023 01:21	WG2196208

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	12/27/2023 01:21	WG2196208
Trichloroethene	ND		1.00	1	12/27/2023 01:21	WG2196208
Trichlorofluoromethane	ND	C3	5.00	1	12/27/2023 01:21	WG2196208
1,2,3-Trichloropropane	ND		2.50	1	12/27/2023 01:21	WG2196208
1,2,4-Trimethylbenzene	ND		1.00	1	12/27/2023 01:21	WG2196208
1,3,5-Trimethylbenzene	ND		1.00	1	12/27/2023 01:21	WG2196208
Vinyl chloride	ND	C3 J4	1.00	1	12/27/2023 01:21	WG2196208
Xylenes, Total	ND		3.00	1	12/27/2023 01:21	WG2196208
(S) Toluene-d8	*108*		*80.0-120*		*12/27/2023 01:21*	WG2196208
(S) 4-Bromofluorobenzene	*94.2*		*77.0-126*		*12/27/2023 01:21*	WG2196208
(S) 1,2-Dichloroethane-d4	*92.9*		*70.0-130*		*12/27/2023 01:21*	WG2196208

Method Blank (MB)

(MB) R4016899-1 12/26/23 12:27

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1690166-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1690166-23 12/26/23 12:27 • (DUP) R4016899-3 12/26/23 12:27

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.9	89.0	1	0.0421		10

Laboratory Control Sample (LCS)

(LCS) R4016899-2 12/26/23 12:27

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

Method Blank (MB)

(MB) R4016947-1 12/26/23 13:59

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1690610-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1690610-09 12/26/23 13:59 • (DUP) R4016947-3 12/26/23 13:59

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	82.7	82.1	1	0.661		10

Laboratory Control Sample (LCS)

(LCS) R4016947-2 12/26/23 13:59

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

QUALITY CONTROL SUMMARY

L1690610-02,05,06,07,09

Method Blank (MB)

(MB) R4018621-1 01/01/24 22:40

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

L1691783-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1691783-01 01/01/24 23:25 • (DUP) R4018621-3 01/01/24 23:31

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

L1692172-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1692172-01 01/02/24 02:06 • (DUP) R4018621-12 01/02/24 02:25

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) R4018621-2 01/01/24 22:48

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

L1691783-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1691783-06 01/02/24 00:15 • (MS) R4018621-5 01/02/24 00:27 • (MSD) R4018621-6 01/02/24 00:33

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.0	ND	17.3	14.5	86.5	72.4	1	75.0-125		J6	17.7	20

L1691783-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1691783-11 01/02/24 01:23 • (MS) R4018621-9 01/02/24 01:35 • (MSD) R4018621-10 01/02/24 01:41

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.0	ND	13.2	13.1	65.9	65.7	1	75.0-125	J6	J6	0.245	20

L1691783-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1691783-06 01/02/24 00:15 • (MS) R4018621-7 01/02/24 00:39

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	633	ND	645	102	50	75.0-125	

L1691783-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1691783-11 01/02/24 01:23 • (MS) R4018621-11 01/02/24 01:47

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	651	ND	562	86.3	50	75.0-125	

Method Blank (MB)

(MB) R4017852-1 12/28/23 16:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4017852-4 12/28/23 18:56

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.450	90.1	80.0-120	

L1690669-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690669-01 12/28/23 16:26 • (MS) R4017852-2 12/28/23 16:29 • (MSD) R4017852-3 12/28/23 16:31

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.716	ND	0.685	0.654	91.6	87.3	1	75.0-125			4.62	20

Method Blank (MB)

(MB) R4017292-1 12/27/23 15:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4017292-2 12/27/23 15:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.491	98.1	80.0-120	

L1690623-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690623-05 12/27/23 15:17 • (MS) R4017292-3 12/27/23 15:20 • (MSD) R4017292-4 12/27/23 15:22

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 %
Mercury	0.500	ND	0.580	0.581	108	108	1	75.0-125			0.175	20

Method Blank (MB)

(MB) R4019470-1 01/03/24 19:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Lead	U		0.0990	2.00

Laboratory Control Sample (LCS)

(LCS) R4019470-2 01/03/24 19:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	101	101	80.0-120	

L1690761-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690761-02 01/03/24 19:41 • (MS) R4019470-5 01/03/24 19:51 • (MSD) R4019470-6 01/03/24 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 %
Lead	127	10.6	143	139	104	101	5	75.0-125			2.48	20

Method Blank (MB)

(MB) R4019553-1 01/03/24 23:53

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

Laboratory Control Sample (LCS)

(LCS) R4019553-2 01/03/24 23:56

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	119	119	80.0-120	
Arsenic	100	104	104	80.0-120	
Barium	100	101	101	80.0-120	
Beryllium	100	99.8	99.8	80.0-120	
Cadmium	100	104	104	80.0-120	
Chromium	100	104	104	80.0-120	
Cobalt	100	103	103	80.0-120	
Copper	100	98.2	98.2	80.0-120	
Lead	100	102	102	80.0-120	
Manganese	100	105	105	80.0-120	
Nickel	100	102	102	80.0-120	
Selenium	100	106	106	80.0-120	
Silver	20.0	21.4	107	80.0-120	
Thallium	100	102	102	80.0-120	
Vanadium	100	103	103	80.0-120	
Zinc	100	100	100	80.0-120	

L1690729-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690729-01 01/04/24 00:00 • (MS) R4019553-5 01/04/24 00:10 • (MSD) R4019553-6 01/04/24 00:13

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 %
Arsenic	100	12.2	102	102	89.5	90.0	5	75.0-125			0.467	20
Beryllium	100	ND	86.2	87.4	85.4	86.6	5	75.0-125			1.43	20
Cadmium	100	ND	93.5	97.5	93.1	97.1	5	75.0-125			4.22	20
Chromium	100	26.1	110	111	83.5	85.0	5	75.0-125			1.32	20
Cobalt	100	6.93	92.5	93.8	85.5	86.9	5	75.0-125			1.48	20
Copper	100	21.4	104	103	82.5	81.3	5	75.0-125			1.15	20
Lead	100	13.5	105	103	91.5	89.5	5	75.0-125			1.96	20
Manganese	100	358	406	364	48.7	6.54	5	75.0-125	J6	J6	10.9	20
Nickel	100	17.5	101	102	83.1	84.2	5	75.0-125			1.07	20
Selenium	100	ND	99.7	101	97.8	98.8	5	75.0-125			0.951	20
Silver	20.0	ND	19.3	19.9	96.0	98.9	5	75.0-125			2.97	20
Thallium	100	ND	73.6	76.8	73.3	76.5	5	75.0-125	J6		4.24	20
Vanadium	100	49.7	135	130	85.7	80.1	5	75.0-125			4.20	20
Zinc	100	56.5	134	136	77.8	79.9	5	75.0-125			1.51	20

Method Blank (MB)

(MB) R4017506-3 12/26/23 23:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4017506-3 12/26/23 23:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*89.9*			*70.0-130*

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

(LCS) R4017506-1 12/26/23 21:08 • (LCSD) R4017506-2 12/26/23 21:31

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	27.8	33.2	111	133	19.0-160			17.7	27
Acrolein	25.0	50.4	52.2	202	209	10.0-160	J4	J4	3.51	26
Acrylonitrile	25.0	24.9	24.8	99.6	99.2	55.0-149			0.402	20
Benzene	5.00	5.53	5.21	111	104	70.0-123			5.96	20
Bromobenzene	5.00	5.12	5.02	102	100	73.0-121			1.97	20
Bromodichloromethane	5.00	5.15	4.88	103	97.6	75.0-120			5.38	20

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

(LCS) R4017506-1 12/26/23 21:08 • (LCSD) R4017506-2 12/26/23 21:31

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	5.23	109	105	68.0-132			3.94	20
Bromomethane	5.00	1.44	1.28	28.8	25.6	10.0-160			11.8	25
n-Butylbenzene	5.00	4.73	4.73	94.6	94.6	73.0-125			0.000	20
sec-Butylbenzene	5.00	5.49	5.22	110	104	75.0-125			5.04	20
tert-Butylbenzene	5.00	4.93	4.73	98.6	94.6	76.0-124			4.14	20
Carbon tetrachloride	5.00	5.56	5.13	111	103	68.0-126			8.04	20
Chlorobenzene	5.00	5.66	5.44	113	109	80.0-121			3.96	20
Chlorodibromomethane	5.00	5.51	5.54	110	111	77.0-125			0.543	20
Chloroethane	5.00	2.26	2.21	45.2	44.2	47.0-150	J4	J4	2.24	20
Chloroform	5.00	5.42	5.08	108	102	73.0-120			6.48	20
Chloromethane	5.00	4.49	4.14	89.8	82.8	41.0-142			8.11	20
2-Chlorotoluene	5.00	5.16	4.97	103	99.4	76.0-123			3.75	20
4-Chlorotoluene	5.00	5.16	4.77	103	95.4	75.0-122			7.85	20
1,2-Dibromo-3-Chloropropane	5.00	4.16	4.07	83.2	81.4	58.0-134			2.19	20
1,2-Dibromoethane	5.00	5.81	5.45	116	109	80.0-122			6.39	20
Dibromomethane	5.00	5.21	4.88	104	97.6	80.0-120			6.54	20
1,2-Dichlorobenzene	5.00	5.74	5.54	115	111	79.0-121			3.55	20
1,3-Dichlorobenzene	5.00	5.55	5.24	111	105	79.0-120			5.75	20
1,4-Dichlorobenzene	5.00	5.61	5.42	112	108	79.0-120			3.45	20
Dichlorodifluoromethane	5.00	5.31	4.84	106	96.8	51.0-149			9.26	20
1,1-Dichloroethane	5.00	5.01	4.76	100	95.2	70.0-126			5.12	20
1,2-Dichloroethane	5.00	5.05	4.91	101	98.2	70.0-128			2.81	20
1,1-Dichloroethene	5.00	5.82	5.34	116	107	71.0-124			8.60	20
cis-1,2-Dichloroethene	5.00	5.32	5.07	106	101	73.0-120			4.81	20
trans-1,2-Dichloroethene	5.00	5.68	5.26	114	105	73.0-120			7.68	20
1,2-Dichloropropane	5.00	4.66	4.83	93.2	96.6	77.0-125			3.58	20
1,1-Dichloropropene	5.00	5.19	4.88	104	97.6	74.0-126			6.16	20
1,3-Dichloropropane	5.00	5.59	5.42	112	108	80.0-120			3.09	20
cis-1,3-Dichloropropene	5.00	4.91	4.94	98.2	98.8	80.0-123			0.609	20
trans-1,3-Dichloropropene	5.00	4.93	4.93	98.6	98.6	78.0-124			0.000	20
2,2-Dichloropropane	5.00	4.73	4.91	94.6	98.2	58.0-130			3.73	20
Di-isopropyl ether	5.00	5.16	4.87	103	97.4	58.0-138			5.78	20
Ethylbenzene	5.00	5.42	5.32	108	106	79.0-123			1.86	20
Hexachloro-1,3-butadiene	5.00	5.89	5.55	118	111	54.0-138			5.94	20
Isopropylbenzene	5.00	5.48	5.31	110	106	76.0-127			3.15	20
p-Isopropyltoluene	5.00	5.07	4.79	101	95.8	76.0-125			5.68	20
2-Butanone (MEK)	25.0	25.3	29.9	101	120	44.0-160			16.7	20
Methylene Chloride	5.00	5.56	5.94	111	119	67.0-120			6.61	20
4-Methyl-2-pentanone (MIBK)	25.0	24.7	24.0	98.8	96.0	68.0-142			2.87	20
Methyl tert-butyl ether	5.00	5.04	4.96	101	99.2	68.0-125			1.60	20

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

(LCS) R4017506-1 12/26/23 21:08 • (LCSD) R4017506-2 12/26/23 21:31

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	1.93	2.23	38.6	44.6	54.0-135	J4	J4	14.4	20
n-Propylbenzene	5.00	5.15	4.92	103	98.4	77.0-124			4.57	20
Styrene	5.00	5.16	4.71	103	94.2	73.0-130			9.12	20
1,1,1,2-Tetrachloroethane	5.00	5.90	5.50	118	110	75.0-125			7.02	20
1,1,2,2-Tetrachloroethane	5.00	5.25	5.42	105	108	65.0-130			3.19	20
Tetrachloroethene	5.00	6.27	5.88	125	118	72.0-132			6.42	20
Toluene	5.00	5.47	5.22	109	104	79.0-120			4.68	20
1,2,3-Trichlorobenzene	5.00	4.17	4.36	83.4	87.2	50.0-138			4.45	20
1,2,4-Trichlorobenzene	5.00	3.75	3.79	75.0	75.8	57.0-137			1.06	20
1,1,1-Trichloroethane	5.00	5.38	5.03	108	101	73.0-124			6.72	20
1,1,2-Trichloroethane	5.00	5.41	5.64	108	113	80.0-120			4.16	20
Trichloroethene	5.00	5.90	5.60	118	112	78.0-124			5.22	20
Trichlorofluoromethane	5.00	3.57	3.42	71.4	68.4	59.0-147			4.29	20
1,2,3-Trichloropropane	5.00	5.70	5.55	114	111	73.0-130			2.67	20
1,2,4-Trimethylbenzene	5.00	5.15	5.03	103	101	76.0-121			2.36	20
1,3,5-Trimethylbenzene	5.00	5.40	5.09	108	102	76.0-122			5.91	20
Vinyl chloride	5.00	3.33	3.09	66.6	61.8	67.0-131	J4	J4	7.48	20
Xylenes, Total	15.0	16.2	15.7	108	105	79.0-123			3.13	20
(S) Toluene-d8				*105*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.4*	*95.7*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*89.6*	*87.8*	*70.0-130*				

L1691009-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1691009-03 12/27/23 05:10 • (MS) R4017506-4 12/27/23 07:06 • (MSD) R4017506-5 12/27/23 07:29

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 %
Acetone	25.0	ND	ND	ND	122	119	1	10.0-160			2.32	35
Acrolein	25.0	ND	66.9	62.9	268	252	1	10.0-160	J5	J5	6.16	39
Acrylonitrile	25.0	ND	29.4	27.8	118	111	1	21.0-160			5.59	32
Benzene	5.00	1.30	7.72	6.87	128	111	1	17.0-158			11.7	27
Bromobenzene	5.00	ND	6.02	5.50	120	110	1	30.0-149			9.03	28
Bromodichloromethane	5.00	ND	6.11	5.65	122	113	1	31.0-150			7.82	27
Bromoform	5.00	ND	6.52	6.33	130	127	1	29.0-150			2.96	29
Bromomethane	5.00	ND	ND	ND	25.8	25.4	1	10.0-160			1.56	38
n-Butylbenzene	5.00	ND	6.52	5.54	130	111	1	31.0-150			16.3	30
sec-Butylbenzene	5.00	ND	6.92	5.93	138	119	1	33.0-155			15.4	29
tert-Butylbenzene	5.00	ND	6.26	5.25	125	105	1	34.0-153			17.5	28
Carbon tetrachloride	5.00	ND	6.52	5.55	130	111	1	23.0-159			16.1	28

L1691009-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1691009-03 12/27/23 05:10 • (MS) R4017506-4 12/27/23 07:06 • (MSD) R4017506-5 12/27/23 07:29

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 %
Chlorobenzene	5.00	ND	6.68	5.93	134	119	1	33.0-152			11.9	27
Chlorodibromomethane	5.00	ND	6.84	6.41	137	128	1	37.0-149			6.49	27
Chloroethane	5.00	ND	ND	ND	55.2	44.0	1	10.0-160			22.6	30
Chloroform	5.00	ND	6.37	5.59	127	112	1	29.0-154			13.0	28
Chloromethane	5.00	ND	4.18	3.73	83.6	74.6	1	10.0-160			11.4	29
2-Chlorotoluene	5.00	ND	6.02	5.20	120	104	1	32.0-153			14.6	28
4-Chlorotoluene	5.00	ND	6.11	5.40	122	108	1	32.0-150			12.3	28
1,2-Dibromo-3-Chloropropane	5.00	ND	6.02	5.32	120	106	1	22.0-151			12.3	34
1,2-Dibromoethane	5.00	ND	6.84	6.42	137	128	1	34.0-147			6.33	27
Dibromomethane	5.00	ND	6.22	5.93	124	119	1	30.0-151			4.77	27
1,2-Dichlorobenzene	5.00	ND	6.97	6.41	139	128	1	34.0-149			8.37	28
1,3-Dichlorobenzene	5.00	ND	6.62	6.06	132	121	1	36.0-146			8.83	27
1,4-Dichlorobenzene	5.00	ND	6.77	6.24	130	120	1	35.0-142			8.15	27
Dichlorodifluoromethane	5.00	ND	5.46	ND	109	94.6	1	10.0-160			14.3	29
1,1-Dichloroethane	5.00	ND	5.61	4.95	112	99.0	1	25.0-158			12.5	27
1,2-Dichloroethane	5.00	ND	6.25	5.87	119	111	1	29.0-151			6.27	27
1,1-Dichloroethene	5.00	ND	6.43	5.32	129	106	1	11.0-160			18.9	29
cis-1,2-Dichloroethene	5.00	ND	6.44	5.77	129	115	1	10.0-160			11.0	27
trans-1,2-Dichloroethene	5.00	ND	5.85	5.30	117	106	1	17.0-153			9.87	27
1,2-Dichloropropane	5.00	1.58	7.57	7.28	120	114	1	30.0-156			3.91	27
1,1-Dichloropropene	5.00	ND	5.76	4.89	115	97.8	1	25.0-158			16.3	27
1,3-Dichloropropane	5.00	ND	6.51	6.08	130	122	1	38.0-147			6.83	27
cis-1,3-Dichloropropene	5.00	ND	5.59	5.10	112	102	1	34.0-149			9.17	28
trans-1,3-Dichloropropene	5.00	ND	5.85	5.50	117	110	1	32.0-149			6.17	28
2,2-Dichloropropane	5.00	ND	6.00	5.02	120	100	1	24.0-152			17.8	29
Di-isopropyl ether	5.00	ND	6.13	5.72	123	114	1	21.0-160			6.92	28
Ethylbenzene	5.00	ND	6.33	5.53	127	111	1	30.0-155			13.5	27
Hexachloro-1,3-butadiene	5.00	ND	7.40	6.81	148	136	1	20.0-154			8.30	34
Isopropylbenzene	5.00	ND	6.73	5.79	132	113	1	28.0-157			15.0	27
p-Isopropyltoluene	5.00	ND	6.60	5.54	132	111	1	30.0-154			17.5	29
2-Butanone (MEK)	25.0	ND	30.2	34.3	121	137	1	10.0-160			12.7	32
Methylene Chloride	5.00	ND	6.03	5.49	121	110	1	23.0-144			9.37	28
4-Methyl-2-pentanone (MIBK)	25.0	ND	29.4	28.4	118	114	1	29.0-160			3.46	29
Methyl tert-butyl ether	5.00	ND	6.19	6.04	124	121	1	28.0-150			2.45	29
Naphthalene	5.00	ND	ND	ND	94.2	81.8	1	12.0-156			14.1	35
n-Propylbenzene	5.00	ND	6.23	5.23	125	105	1	31.0-154			17.5	28
Styrene	5.00	ND	6.17	5.28	123	106	1	33.0-155			15.5	28
1,1,1,2-Tetrachloroethane	5.00	ND	6.94	6.32	139	126	1	36.0-151			9.35	29
1,1,2,2-Tetrachloroethane	5.00	ND	6.60	6.25	132	125	1	33.0-150			5.45	28
Tetrachloroethene	5.00	ND	6.91	5.87	138	117	1	10.0-160			16.3	27

L1691009-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1691009-03 12/27/23 05:10 • (MS) R4017506-4 12/27/23 07:06 • (MSD) R4017506-5 12/27/23 07:29

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 %
Toluene	5.00	ND	6.27	5.35	125	107	1	26.0-154			15.8	28
1,2,3-Trichlorobenzene	5.00	ND	6.36	5.63	127	113	1	17.0-150			12.2	36
1,2,4-Trichlorobenzene	5.00	ND	7.07	6.40	126	112	1	24.0-150			9.95	33
1,1,1-Trichloroethane	5.00	ND	6.44	5.44	129	109	1	23.0-160			16.8	28
1,1,2-Trichloroethane	5.00	ND	6.75	6.24	135	125	1	35.0-147			7.85	27
Trichloroethene	5.00	ND	6.44	5.53	129	111	1	10.0-160			15.2	25
Trichlorofluoromethane	5.00	ND	ND	ND	84.2	68.8	1	17.0-160			20.1	31
1,2,3-Trichloropropane	5.00	ND	6.62	6.14	132	123	1	34.0-151			7.52	29
1,2,4-Trimethylbenzene	5.00	ND	6.25	5.37	125	107	1	26.0-154			15.1	27
1,3,5-Trimethylbenzene	5.00	ND	6.27	5.38	125	108	1	28.0-153			15.3	27
Vinyl chloride	5.00	ND	3.81	3.07	76.2	61.4	1	10.0-160			21.5	27
Xylenes, Total	15.0	ND	19.1	16.5	127	110	1	29.0-154			14.6	28
(S) Toluene-d8					*101*	*101*		*80.0-120*				
(S) 4-Bromofluorobenzene					*102*	*96.9*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*91.3*	*90.5*		*70.0-130*				

Method Blank (MB)

(MB) R4017087-2 12/27/23 09:25

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	0.00153	J	0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4017087-2 12/27/23 09:25

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	*100*			*75.0-131*
(S) 4-Bromofluorobenzene	*102*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4017087-1 12/27/23 08:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.645	103	10.0-160	
Acrylonitrile	0.625	0.669	107	45.0-153	
Benzene	0.125	0.121	96.8	70.0-123	
Bromobenzene	0.125	0.132	106	73.0-121	
Bromodichloromethane	0.125	0.137	110	73.0-121	
Bromoform	0.125	0.137	110	64.0-132	
Bromomethane	0.125	0.169	135	56.0-147	

Laboratory Control Sample (LCS)

(LCS) R4017087-1 12/27/23 08:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
n-Butylbenzene	0.125	0.140	112	68.0-135	
sec-Butylbenzene	0.125	0.141	113	74.0-130	
tert-Butylbenzene	0.125	0.139	111	75.0-127	
Carbon tetrachloride	0.125	0.147	118	66.0-128	
Chlorobenzene	0.125	0.129	103	76.0-128	
Chlorodibromomethane	0.125	0.143	114	74.0-127	
Chloroethane	0.125	0.156	125	61.0-134	
Chloroform	0.125	0.132	106	72.0-123	
Chloromethane	0.125	0.203	162	51.0-138	J4
2-Chlorotoluene	0.125	0.123	98.4	75.0-124	
4-Chlorotoluene	0.125	0.132	106	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.143	114	59.0-130	
1,2-Dibromoethane	0.125	0.134	107	74.0-128	
Dibromomethane	0.125	0.133	106	75.0-122	
1,2-Dichlorobenzene	0.125	0.134	107	76.0-124	
1,3-Dichlorobenzene	0.125	0.135	108	76.0-125	
1,4-Dichlorobenzene	0.125	0.131	105	77.0-121	
Dichlorodifluoromethane	0.125	0.121	96.8	43.0-156	
1,1-Dichloroethane	0.125	0.138	110	70.0-127	
1,2-Dichloroethane	0.125	0.141	113	65.0-131	
1,1-Dichloroethene	0.125	0.136	109	65.0-131	
cis-1,2-Dichloroethene	0.125	0.121	96.8	73.0-125	
trans-1,2-Dichloroethene	0.125	0.126	101	71.0-125	
1,2-Dichloropropane	0.125	0.128	102	74.0-125	
1,1-Dichloropropene	0.125	0.136	109	73.0-125	
1,3-Dichloropropane	0.125	0.130	104	80.0-125	
cis-1,3-Dichloropropene	0.125	0.130	104	76.0-127	
trans-1,3-Dichloropropene	0.125	0.135	108	73.0-127	
2,2-Dichloropropane	0.125	0.108	86.4	59.0-135	
Di-isopropyl ether	0.125	0.143	114	60.0-136	
Ethylbenzene	0.125	0.129	103	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.158	126	57.0-150	
Isopropylbenzene	0.125	0.141	113	72.0-127	
p-Isopropyltoluene	0.125	0.144	115	72.0-133	
2-Butanone (MEK)	0.625	0.654	105	30.0-160	
Methylene Chloride	0.125	0.142	114	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.771	123	56.0-143	
Methyl tert-butyl ether	0.125	0.133	106	66.0-132	
Naphthalene	0.125	0.119	95.2	59.0-130	
n-Propylbenzene	0.125	0.128	102	74.0-126	

Laboratory Control Sample (LCS)

(LCS) R4017087-1 12/27/23 08:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Styrene	0.125	0.140	112	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.145	116	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.111	88.8	68.0-128	
Tetrachloroethene	0.125	0.145	116	70.0-136	
Toluene	0.125	0.128	102	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.144	115	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.136	109	62.0-137	
1,1,1-Trichloroethane	0.125	0.139	111	69.0-126	
1,1,2-Trichloroethane	0.125	0.129	103	78.0-123	
Trichloroethene	0.125	0.144	115	76.0-126	
Trichlorofluoromethane	0.125	0.147	118	61.0-142	
1,2,3-Trichloropropane	0.125	0.132	106	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.134	107	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.139	111	73.0-127	
Vinyl chloride	0.125	0.188	150	63.0-134	J4
Xylenes, Total	0.375	0.394	105	72.0-127	
(S) Toluene-d8			*100*	*75.0-131*	
(S) 4-Bromofluorobenzene			*99.1*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*113*	*70.0-130*	

Method Blank (MB)

(MB) R4019110-3 01/02/24 20:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4019110-3 01/02/24 20:30

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	*99.1*			*75.0-131*
(S) 4-Bromofluorobenzene	*92.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*

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

(LCS) R4019110-1 01/02/24 19:09 • (LCSD) R4019110-2 01/02/24 19:29

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	0.401	0.411	64.2	65.8	10.0-160			2.46	31
Acrylonitrile	0.625	0.589	0.606	94.2	97.0	45.0-153			2.85	22
Benzene	0.125	0.120	0.129	96.0	103	70.0-123			7.23	20
Bromobenzene	0.125	0.140	0.151	112	121	73.0-121			7.56	20
Bromodichloromethane	0.125	0.126	0.136	101	109	73.0-121			7.63	20
Bromoform	0.125	0.109	0.113	87.2	90.4	64.0-132			3.60	20
Bromomethane	0.125	0.118	0.129	94.4	103	56.0-147			8.91	20

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

(LCS) R4019110-1 01/02/24 19:09 • (LCSD) R4019110-2 01/02/24 19:29

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 %
n-Butylbenzene	0.125	0.113	0.122	90.4	97.6	68.0-135			7.66	20
sec-Butylbenzene	0.125	0.137	0.156	110	125	74.0-130			13.0	20
tert-Butylbenzene	0.125	0.138	0.153	110	122	75.0-127			10.3	20
Carbon tetrachloride	0.125	0.121	0.147	96.8	118	66.0-128			19.4	20
Chlorobenzene	0.125	0.115	0.128	92.0	102	76.0-128			10.7	20
Chlorodibromomethane	0.125	0.114	0.119	91.2	95.2	74.0-127			4.29	20
Chloroethane	0.125	0.124	0.138	99.2	110	61.0-134			10.7	20
Chloroform	0.125	0.122	0.131	97.6	105	72.0-123			7.11	20
Chloromethane	0.125	0.120	0.138	96.0	110	51.0-138			14.0	20
2-Chlorotoluene	0.125	0.128	0.129	102	103	75.0-124			0.778	20
4-Chlorotoluene	0.125	0.148	0.160	118	128	75.0-124		J4	7.79	20
1,2-Dibromo-3-Chloropropane	0.125	0.123	0.127	98.4	102	59.0-130			3.20	20
1,2-Dibromoethane	0.125	0.116	0.126	92.8	101	74.0-128			8.26	20
Dibromomethane	0.125	0.120	0.126	96.0	101	75.0-122			4.88	20
1,2-Dichlorobenzene	0.125	0.127	0.132	102	106	76.0-124			3.86	20
1,3-Dichlorobenzene	0.125	0.128	0.140	102	112	76.0-125			8.96	20
1,4-Dichlorobenzene	0.125	0.123	0.134	98.4	107	77.0-121			8.56	20
Dichlorodifluoromethane	0.125	0.146	0.160	117	128	43.0-156			9.15	20
1,1-Dichloroethane	0.125	0.128	0.139	102	111	70.0-127			8.24	20
1,2-Dichloroethane	0.125	0.130	0.141	104	113	65.0-131			8.12	20
1,1-Dichloroethene	0.125	0.127	0.145	102	116	65.0-131			13.2	20
cis-1,2-Dichloroethene	0.125	0.114	0.122	91.2	97.6	73.0-125			6.78	20
trans-1,2-Dichloroethene	0.125	0.113	0.128	90.4	102	71.0-125			12.4	20
1,2-Dichloropropane	0.125	0.131	0.142	105	114	74.0-125			8.06	20
1,1-Dichloropropene	0.125	0.129	0.144	103	115	73.0-125			11.0	20
1,3-Dichloropropane	0.125	0.133	0.138	106	110	80.0-125			3.69	20
cis-1,3-Dichloropropene	0.125	0.132	0.138	106	110	76.0-127			4.44	20
trans-1,3-Dichloropropene	0.125	0.132	0.141	106	113	73.0-127			6.59	20
2,2-Dichloropropane	0.125	0.131	0.146	105	117	59.0-135			10.8	20
Di-isopropyl ether	0.125	0.125	0.130	100	104	60.0-136			3.92	20
Ethylbenzene	0.125	0.119	0.132	95.2	106	74.0-126			10.4	20
Hexachloro-1,3-butadiene	0.125	0.140	0.160	112	128	57.0-150			13.3	20
Isopropylbenzene	0.125	0.115	0.130	92.0	104	72.0-127			12.2	20
p-Isopropyltoluene	0.125	0.126	0.141	101	113	72.0-133			11.2	20
2-Butanone (MEK)	0.625	0.635	0.758	102	121	30.0-160			17.7	24
Methylene Chloride	0.125	0.113	0.122	90.4	97.6	68.0-123			7.66	20
4-Methyl-2-pentanone (MIBK)	0.625	0.694	0.721	111	115	56.0-143			3.82	20
Methyl tert-butyl ether	0.125	0.120	0.122	96.0	97.6	66.0-132			1.65	20
Naphthalene	0.125	0.0827	0.0902	66.2	72.2	59.0-130			8.68	20
n-Propylbenzene	0.125	0.145	0.165	116	132	74.0-126		J4	12.9	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) R4019110-1 01/02/24 19:09 • (LCSD) R4019110-2 01/02/24 19:29

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	0.106	0.114	84.8	91.2	72.0-127			7.27	20
1,1,1,2-Tetrachloroethane	0.125	0.112	0.119	89.6	95.2	74.0-129			6.06	20
1,1,2,2-Tetrachloroethane	0.125	0.149	0.157	119	126	68.0-128			5.23	20
Tetrachloroethene	0.125	0.123	0.142	98.4	114	70.0-136			14.3	20
Toluene	0.125	0.127	0.142	102	114	75.0-121			11.2	20
1,2,3-Trichlorobenzene	0.125	0.0886	0.0913	70.9	73.0	59.0-139			3.00	20
1,2,4-Trichlorobenzene	0.125	0.0909	0.0993	72.7	79.4	62.0-137			8.83	20
1,1,1-Trichloroethane	0.125	0.118	0.144	94.4	115	69.0-126			19.8	20
1,1,2-Trichloroethane	0.125	0.129	0.138	103	110	78.0-123			6.74	20
Trichloroethene	0.125	0.108	0.122	86.4	97.6	76.0-126			12.2	20
Trichlorofluoromethane	0.125	0.144	0.161	115	129	61.0-142			11.1	20
1,2,3-Trichloropropane	0.125	0.160	0.156	128	125	67.0-129			2.53	20
1,2,4-Trimethylbenzene	0.125	0.129	0.145	103	116	70.0-126			11.7	20
1,3,5-Trimethylbenzene	0.125	0.136	0.149	109	119	73.0-127			9.12	20
Vinyl chloride	0.125	0.119	0.136	95.2	109	63.0-134			13.3	20
Xylenes, Total	0.375	0.347	0.389	92.5	104	72.0-127			11.4	20
(S) Toluene-d8				*99.6*	*101*	*75.0-131*				
(S) 4-Bromofluorobenzene				*87.1*	*88.8*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*108*	*115*	*70.0-130*				

Method Blank (MB)

(MB) R4018293-2 12/28/23 23:15

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

Method Blank (MB)

(MB) R4018293-2 12/28/23 23:15

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	*84.2*			*12.0-120*
(S) Phenol-d5	*80.6*			*10.0-120*
(S) Nitrobenzene-d5	*76.3*			*10.0-122*
(S) 2-Fluorobiphenyl	*84.4*			*15.0-120*
(S) 2,4,6-Tribromophenol	*78.8*			*10.0-127*
(S) p-Terphenyl-d14	*101*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4018293-1 12/28/23 22:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.626	94.0	38.0-120	
Acenaphthylene	0.666	0.625	93.8	40.0-120	
Anthracene	0.666	0.663	99.5	42.0-120	
Benzidine	1.33	0.723	54.4	10.0-120	
Benzo(a)anthracene	0.666	0.681	102	44.0-120	
Benzo(b)fluoranthene	0.666	0.701	105	43.0-120	
Benzo(k)fluoranthene	0.666	0.654	98.2	44.0-120	
Benzo(g,h,i)perylene	0.666	0.797	120	43.0-120	
Benzo(a)pyrene	0.666	0.688	103	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.486	73.0	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.548	82.3	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.562	84.4	23.0-120	
4-Bromophenyl-phenylether	0.666	0.601	90.2	40.0-120	
2-Chloronaphthalene	0.666	0.588	88.3	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4018293-1 12/28/23 22:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	0.666	0.623	93.5	40.0-120	
Chrysene	0.666	0.660	99.1	43.0-120	
Dibenz(a,h)anthracene	0.666	0.754	113	44.0-120	
3,3-Dichlorobenzidine	1.33	1.19	89.5	28.0-120	
2,4-Dinitrotoluene	0.666	0.704	106	45.0-120	
2,6-Dinitrotoluene	0.666	0.654	98.2	42.0-120	
Fluoranthene	0.666	0.637	95.6	44.0-120	
Fluorene	0.666	0.630	94.6	41.0-120	
Hexachlorobenzene	0.666	0.620	93.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.456	68.5	15.0-120	
Hexachlorocyclopentadiene	0.666	0.666	100	15.0-120	
Hexachloroethane	0.666	0.559	83.9	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.659	98.9	45.0-120	
Isophorone	0.666	0.492	73.9	23.0-120	
Naphthalene	0.666	0.457	68.6	18.0-120	
Nitrobenzene	0.666	0.472	70.9	17.0-120	
n-Nitrosodimethylamine	0.666	0.544	81.7	10.0-125	
n-Nitrosodiphenylamine	0.666	0.634	95.2	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.608	91.3	26.0-120	
Phenanthrene	0.666	0.634	95.2	42.0-120	
Benzylbutyl phthalate	0.666	0.726	109	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.749	112	41.0-120	
Di-n-butyl phthalate	0.666	0.677	102	43.0-120	
Diethyl phthalate	0.666	0.681	102	43.0-120	
Dimethyl phthalate	0.666	0.659	98.9	43.0-120	
Di-n-octyl phthalate	0.666	0.702	105	40.0-120	
Pyrene	0.666	0.665	99.8	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.469	70.4	17.0-120	
4-Chloro-3-methylphenol	0.666	0.467	70.1	28.0-120	
2-Chlorophenol	0.666	0.572	85.9	28.0-120	
2,4-Dichlorophenol	0.666	0.433	65.0	25.0-120	
2,4-Dimethylphenol	0.666	0.628	94.3	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.554	83.2	16.0-120	
2,4-Dinitrophenol	0.666	0.418	62.8	10.0-120	
2-Nitrophenol	0.666	0.509	76.4	20.0-120	
4-Nitrophenol	0.666	0.567	85.1	27.0-120	
Pentachlorophenol	0.666	0.523	78.5	29.0-120	
Phenol	0.666	0.550	82.6	28.0-120	
2,4,6-Trichlorophenol	0.666	0.576	86.5	37.0-120	
(S) 2-Fluorophenol			*93.5*	*12.0-120*	

Laboratory Control Sample (LCS)

(LCS) R4018293-1 12/28/23 22:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*88.7*	*10.0-120*	
(S) Nitrobenzene-d5			*65.5*	*10.0-122*	
(S) 2-Fluorobiphenyl			*93.4*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*92.9*	*10.0-127*	
(S) p-Terphenyl-d14			*104*	*10.0-120*	

L1690626-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690626-03 12/28/23 23:55 • (MS) R4018293-3 12/29/23 00:15 • (MSD) R4018293-4 12/29/23 00:35

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	0.714	ND	0.573	0.511	80.3	70.9	1	18.0-120			11.6	32
Acenaphthylene	0.714	ND	0.571	0.515	80.0	71.5	1	25.0-120			10.3	32
Anthracene	0.714	ND	0.580	0.520	81.3	72.1	1	22.0-120			11.0	29
Benzidine	1.43	ND	ND	ND	17.6	0.000	1	10.0-120		J3 J6	200	40
Benzo(a)anthracene	0.714	ND	0.612	0.547	85.7	75.9	1	25.0-120			11.2	29
Benzo(b)fluoranthene	0.714	ND	0.588	0.626	82.4	86.9	1	19.0-122			6.28	31
Benzo(k)fluoranthene	0.714	ND	0.558	0.566	78.1	78.5	1	23.0-120			1.40	30
Benzo(g,h,i)perylene	0.714	ND	0.637	0.231	89.3	32.1	1	10.0-120		J3	93.5	33
Benzo(a)pyrene	0.714	ND	0.602	0.538	84.3	74.6	1	24.0-120			11.2	30
Bis(2-chlorethoxy)methane	0.714	ND	0.451	0.417	63.2	57.9	1	10.0-120			7.75	34
Bis(2-chloroethyl)ether	0.714	ND	0.501	0.452	70.1	62.8	1	10.0-120			10.1	40
2,2-Oxybis(1-Chloropropane)	0.714	ND	0.497	0.457	69.7	63.4	1	10.0-120			8.47	40
4-Bromophenyl-phenylether	0.714	ND	0.534	0.489	74.8	67.9	1	27.0-120			8.77	30
2-Chloronaphthalene	0.714	ND	0.540	0.489	75.6	67.9	1	20.0-120			9.81	32
4-Chlorophenyl-phenylether	0.714	ND	0.561	0.515	78.6	71.5	1	24.0-120			8.55	29
Chrysene	0.714	ND	0.581	0.515	81.4	71.5	1	21.0-120			12.1	29
Dibenz(a,h)anthracene	0.714	ND	0.617	0.279	86.5	38.8	1	10.0-120		J3	75.3	32
3,3-Dichlorobenzidine	1.43	ND	1.05	0.763	73.9	53.1	1	10.0-120			31.9	34
2,4-Dinitrotoluene	0.714	ND	0.627	0.570	87.9	79.1	1	30.0-120			9.56	31
2,6-Dinitrotoluene	0.714	ND	0.602	0.550	84.3	76.3	1	25.0-120			8.97	31
Fluoranthene	0.714	ND	0.587	0.540	82.2	74.9	1	18.0-126			8.37	32
Fluorene	0.714	ND	0.572	0.521	80.2	72.3	1	25.0-120			9.45	30
Hexachlorobenzene	0.714	ND	0.540	0.452	75.6	62.8	1	27.0-120			17.6	28
Hexachloro-1,3-butadiene	0.714	ND	0.419	0.377	58.6	52.3	1	10.0-120			10.4	38
Hexachlorocyclopentadiene	0.714	ND	0.461	ND	64.6	48.6	1	10.0-120			27.4	40
Hexachloroethane	0.714	ND	0.481	0.454	67.5	63.1	1	10.0-120			5.76	40
Indeno(1,2,3-cd)pyrene	0.714	ND	0.561	0.251	78.6	34.9	1	10.0-120		J3	76.2	32
Isophorone	0.714	ND	0.448	0.413	62.7	57.3	1	13.0-120			8.08	34

L1690626-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690626-03 12/28/23 23:55 • (MS) R4018293-3 12/29/23 00:15 • (MSD) R4018293-4 12/29/23 00:35

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	0.714	ND	0.422	0.394	59.1	54.7	1	10.0-120			6.88	35
Nitrobenzene	0.714	ND	0.426	0.395	59.7	54.8	1	10.0-120			7.65	36
n-Nitrosodimethylamine	0.714	ND	0.470	0.415	65.9	57.6	1	10.0-127			12.4	40
n-Nitrosodiphenylamine	0.714	ND	0.551	0.496	77.2	68.8	1	17.0-120			10.5	29
n-Nitrosodi-n-propylamine	0.714	ND	0.525	0.497	73.6	69.0	1	10.0-120			5.49	37
Phenanthrene	0.714	ND	0.569	0.507	79.7	70.4	1	17.0-120			11.5	31
Benzylbutyl phthalate	0.714	ND	0.662	0.615	92.8	85.4	1	23.0-120			7.38	30
Bis(2-ethylhexyl)phthalate	0.714	ND	0.673	0.615	94.3	85.4	1	17.0-126			9.06	30
Di-n-butyl phthalate	0.714	ND	0.606	0.547	84.9	75.9	1	30.0-120			10.3	29
Diethyl phthalate	0.714	ND	0.605	0.548	84.7	76.0	1	26.0-120			9.93	28
Dimethyl phthalate	0.714	ND	0.582	0.531	81.6	73.7	1	25.0-120			9.27	29
Di-n-octyl phthalate	0.714	ND	0.683	0.641	95.8	88.9	1	21.0-123			6.44	29
Pyrene	0.714	ND	0.590	0.538	82.7	74.6	1	16.0-121			9.35	32
1,2,4-Trichlorobenzene	0.714	ND	0.425	0.394	59.6	54.7	1	12.0-120			7.67	37
4-Chloro-3-methylphenol	0.714	ND	0.456	0.437	63.8	60.6	1	15.0-120			4.28	30
2-Chlorophenol	0.714	ND	0.513	0.474	71.9	65.7	1	15.0-120			7.96	37
2,4-Dichlorophenol	0.714	ND	0.441	0.421	61.8	58.4	1	20.0-120			4.69	31
2,4-Dimethylphenol	0.714	ND	ND	ND	43.6	32.4	1	10.0-120			28.5	33
4,6-Dinitro-2-methylphenol	0.714	ND	0.625	0.545	87.6	75.7	1	10.0-120			13.6	39
2,4-Dinitrophenol	0.714	ND	0.649	0.573	90.9	79.6	1	10.0-121			12.3	40
2-Nitrophenol	0.714	ND	0.490	0.469	68.7	65.1	1	12.0-120			4.44	39
4-Nitrophenol	0.714	ND	0.529	0.525	74.1	72.9	1	10.0-137			0.639	32
Pentachlorophenol	0.714	ND	0.493	0.388	69.0	53.9	1	10.0-160			23.7	31
Phenol	0.714	ND	0.459	0.424	64.3	58.9	1	12.0-120			7.88	38
2,4,6-Trichlorophenol	0.714	ND	0.496	0.410	69.5	56.9	1	19.0-120			19.1	32
(S) 2-Fluorophenol					*76.7*	*68.5*		*12.0-120*				
(S) Phenol-d5					*73.0*	*67.9*		*10.0-120*				
(S) Nitrobenzene-d5					*55.7*	*51.4*		*10.0-122*				
(S) 2-Fluorobiphenyl					*77.7*	*69.8*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*77.2*	*70.4*		*10.0-127*				
(S) p-Terphenyl-d14					*85.2*	*76.3*		*10.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
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.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
S&ME Inc. - Raleigh NC

3201 Spring Forest Road
Raleigh, NC 27616

Billing Information:
Accounts Payable
3201 Spring Forest Rd.

(smeinc_invoice@concursolution
- .com)

Pres Chk

Report to:
Mr. Jerry Paul

Email To: **jpaui@smeinc.com**

Project Description:
Lyon Park

City/State Collected: Durham, NC

Please Circle: PT MT CT (ET)

Phone: **919-872-2660**

Client Project #
23050630

Lab Project #
SMERLNC-LYONPARK

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

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PBG 2ozClr-NoPres	SPLP/TCLP HOLD 4ozClr-NoPres	TS 4ozClr-NoPres	V8260 40mlAmb-HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr	SVOCs 8270	18 Metals 6020	Mercury 7471	Hex. Chrom. 7199		Remarks	Sample # (lab only)
822-SB-20	C	SS	0-1	12/20/23	1345	4	X	X	X		X							-01
822-SB-21		SS			1350	4	X	X	X		X	X	X	X	X			-02
~~TRIP BLANK~~ 822-SB-22		~~GW~~ SS			1210	~~1~~ 4	X	X	X	~~X~~	X							-03
~~TRIP BLANK~~ 822-SB-23		~~GW~~ SS			1155	~~1~~ 4	X	X	X	~~X~~	X							-04
~~TRIP BLANK~~ 822-SB-29		~~GW~~ SS			1425	~~1~~ 4	X	X	X	~~X~~	X	X	X	X	X			-05
822-SB-30		SS			1430	4	X	X	X		X	X	X	X	X			-06
822-SB-31		SS			1445	4	X	X	X		X	X	X	X	X			-07
822-SB-32		SS			1455	4	X	X	X		X							-08
822-SB-36		SS			1450	4	X	X	X		X	X	X	X	X			-09
Trip Blank		~~SS~~ GW				~~4~~ 1	X	~~X~~	~~X~~	X	~~X~~							-10

CW CP

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 # L1490610
D040

Acctnum: **SMERLNC**
Template: **T243575**
Prelogin: **P1043721**
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 #

Sample Receipt Checklist

COC Seal Present/Intact:	NP ✓Y N
COC Signed/Accurate:	✓Y N
Bottles arrive intact:	✓Y N
Correct bottles used:	✓Y N
Sufficient volume sent:	✓Y N
If Applicable	
VOA Zero Headspace:	Y N
Preservation Correct/Checked:	Y N
RAD Screen <0.5 mR/hr:	✓Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
CP	12/20/23	1630		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 36	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12/21/23 Time: 1000	Hr 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:
Lyon Park

City/State Collected: Durham, NC

Please Circle:
PT MT CT (ET)

Phone: **919-872-2660**

Client Project #
23050630

Lab Project #
SMERLNC-LYONPARK

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

Date Results Needed

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PBG 2ozClr-NoPres	SPLP/TCLP HOLD 4ozClr-NoPres	TS 4ozClr-NoPres	V8260 40mlAmb-HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr					Remarks	Sample # (lab only)
Trip Blank		~~SS~~ GW				~~4~~ 1	~~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						
		SS				4	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 # L1Gdd0

Table #

Acctnum: **SMERLNC**
Template: **T243575**
Prelogin: **P1043721**
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:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y ✓N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
CP	12/20/23	1630			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12/21/23 Time: 1000	Hold: Condition: NCF / OK

UL090610

Tracking Numbers	[redacted]	Temperature
7155 0298 2985		cc#1 4.2+0=4.2
7155 0298 2974		cc#1 3.0+0=3.0

Brandon Ogneegaard
Name

12/12/23
Date

ANALYTICAL REPORT

January 05, 2024

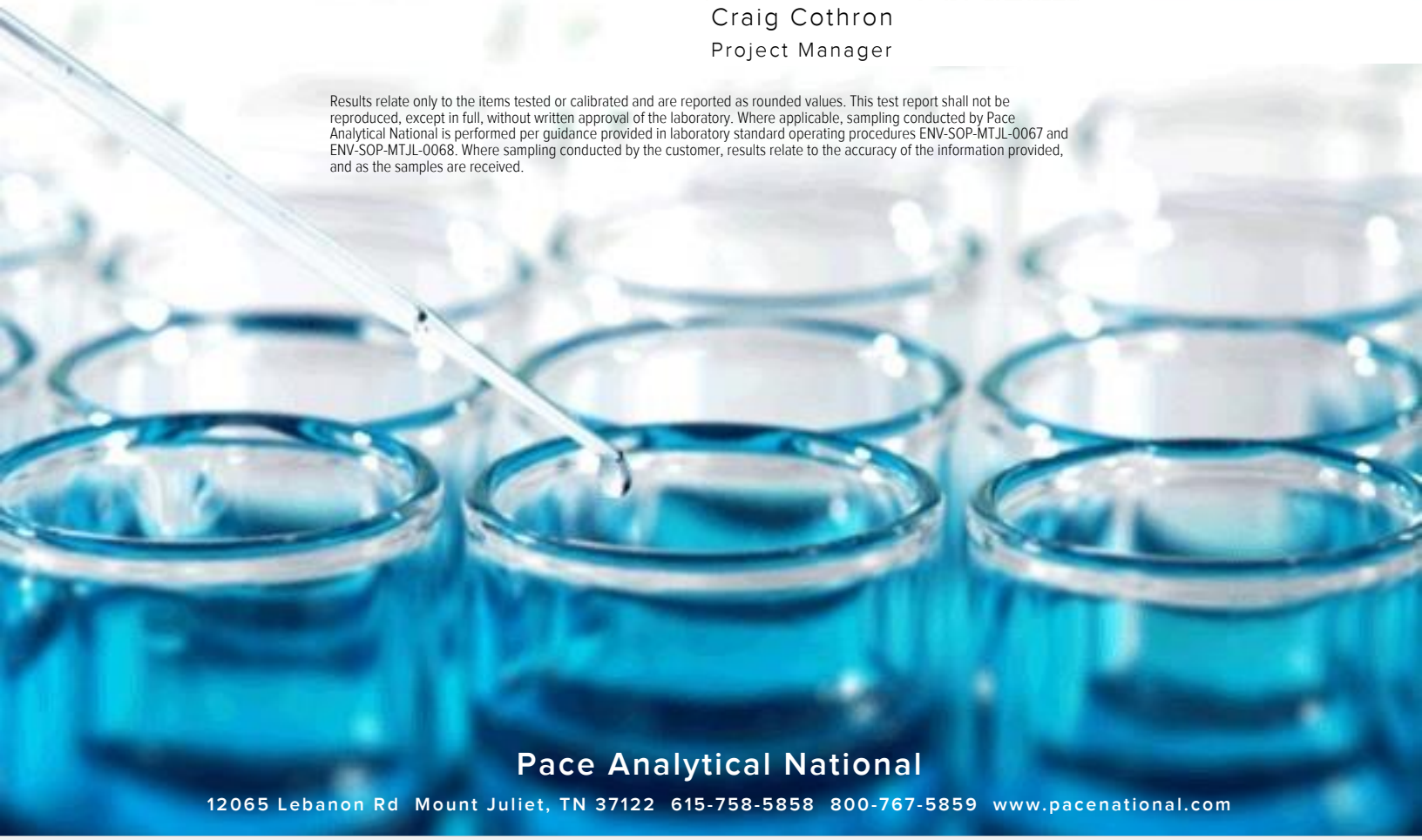
S&ME Inc. - Raleigh NC

Sample Delivery Group:	L1691026
Samples Received:	12/22/2023
Project Number:	230S0630
Description:	Lyon 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

TABLE OF CONTENTS

822-SB-09 L1691026-01 Solid

Collected by: Chelsea Parra | Collected date/time: 12/21/23 10:10 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2196646	1	12/28/23 08:43	12/28/23 08:49	CMK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2196908	5	12/28/23 06:00	01/04/24 18:47	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2198157	1.13	12/21/23 10:10	12/31/23 15:33	AV	Mt. Juliet, TN

822-SB-16 L1691026-02 Solid

Collected by: Chelsea Parra | Collected date/time: 12/21/23 11:00 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2196646	1	12/28/23 08:43	12/28/23 08:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196921	1	12/31/23 22:22	01/02/24 04:28	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2196944	1	12/29/23 00:21	12/29/23 19:46	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2196908	5	12/28/23 06:00	01/04/24 18:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2198157	1.07	12/21/23 11:00	12/31/23 15:51	AV	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196541	1	12/27/23 16:43	12/28/23 06:18	AMG	Mt. Juliet, TN

822-SB-17 L1691026-03 Solid

Collected by: Chelsea Parra | Collected date/time: 12/21/23 11:05 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2196646	1	12/28/23 08:43	12/28/23 08:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196921	1	12/31/23 22:22	01/02/24 04:35	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2196944	1	12/29/23 00:21	12/29/23 19:27	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2196908	5	12/28/23 06:00	01/04/24 18:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2198157	1.03	12/21/23 11:05	12/31/23 16:13	AV	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196541	1	12/27/23 16:43	12/28/23 05:14	AMG	Mt. Juliet, TN

822-SB-18 L1691026-04 Solid

Collected by: Chelsea Parra | Collected date/time: 12/21/23 09:50 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2196646	1	12/28/23 08:43	12/28/23 08:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196921	1	12/31/23 22:22	01/02/24 04:41	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2196944	1	12/29/23 00:21	12/29/23 19:48	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2196908	5	12/28/23 06:00	01/04/24 19:07	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2198157	1.08	12/21/23 09:50	12/31/23 16:32	AV	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196541	1	12/27/23 16:43	12/28/23 08:05	AMG	Mt. Juliet, TN

822-SB-19 L1691026-05 Solid

Collected by: Chelsea Parra | Collected date/time: 12/21/23 09:55 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2196646	1	12/28/23 08:43	12/28/23 08:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196921	1	12/31/23 22:22	01/02/24 04:47	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2196944	1	12/29/23 00:21	12/29/23 19:51	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2196908	5	12/28/23 06:00	01/04/24 19:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2198157	1.09	12/21/23 09:55	12/31/23 16:50	AV	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196541	1	12/27/23 16:43	12/28/23 08:27	AMG	Mt. Juliet, TN

822-SB-26 L1691026-06 Solid

Collected by: Chelsea Parra | Collected date/time: 12/21/23 11:15 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2196646	1	12/28/23 08:43	12/28/23 08:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196921	1	12/31/23 22:22	01/02/24 05:30	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2196944	1	12/29/23 00:21	12/29/23 19:53	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2196908	5	12/28/23 06:00	01/04/24 19:14	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2198157	1.08	12/21/23 11:15	12/31/23 17:09	AV	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196541	1	12/27/23 16:43	12/28/23 06:39	AMG	Mt. Juliet, TN

822-SB-27 L1691026-07 Solid

Collected by: Chelsea Parra | Collected date/time: 12/21/23 11:10 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2196646	1	12/28/23 08:43	12/28/23 08:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196921	1	12/31/23 22:22	01/02/24 05:37	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2196944	1	12/29/23 00:21	12/29/23 19:56	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2196908	5	12/28/23 06:00	01/04/24 19:17	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2198157	1.2	12/21/23 11:10	12/31/23 17:28	AV	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196541	1	12/27/23 16:43	12/28/23 07:01	AMG	Mt. Juliet, TN

822-SB-28 L1691026-08 Solid

Collected by: Chelsea Parra | Collected date/time: 12/21/23 09:30 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2196646	1	12/28/23 08:43	12/28/23 08:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196921	1	12/31/23 22:22	01/02/24 05:43	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2196944	1	12/29/23 00:21	12/29/23 19:58	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2196908	5	12/28/23 06:00	01/04/24 18:30	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2198157	1.01	12/21/23 09:30	12/31/23 17:47	AV	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196541	1	12/27/23 16:43	12/28/23 07:22	AMG	Mt. Juliet, TN

822-SB-33 L1691026-09 Solid

Collected by: Chelsea Parra | Collected date/time: 12/21/23 09:35 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2196646	1	12/28/23 08:43	12/28/23 08:49	CMK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2196908	5	12/28/23 06:00	01/04/24 19:20	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2198157	1	12/21/23 09:35	12/31/23 18:06	AV	Mt. Juliet, TN

822-SB-43 L1691026-10 Solid

Collected by: Chelsea Parra | Collected date/time: 12/21/23 12:50 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2196646	1	12/28/23 08:43	12/28/23 08:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196921	1	12/31/23 22:22	01/02/24 05:49	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2196944	1	12/29/23 00:21	12/29/23 20:01	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2196908	5	12/28/23 06:00	01/04/24 19:24	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2198157	1	12/21/23 12:50	12/31/23 18:26	AV	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196541	1	12/27/23 16:43	12/28/23 05:57	AMG	Mt. Juliet, TN

822-SB-45 L1691026-11 Solid

Collected by: Chelsea Parra | Collected date/time: 12/21/23 12:30 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2196652	1	12/28/23 08:35	12/28/23 08:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196921	1	12/31/23 22:22	01/02/24 05:55	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2196944	1	12/29/23 00:21	12/29/23 20:04	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2196908	5	12/28/23 06:00	01/04/24 19:27	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2198157	1	12/21/23 12:30	12/31/23 18:45	AV	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196541	1	12/27/23 16:43	12/28/23 07:44	AMG	Mt. Juliet, TN

822-SB-46 L1691026-12 Solid

Collected by: Chelsea Parra | Collected date/time: 12/21/23 12:55 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2196652	1	12/28/23 08:35	12/28/23 08:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2196921	1	12/31/23 22:22	01/02/24 06:07	SET	Mt. Juliet, TN
Mercury by Method 7471B	WG2196944	1	12/29/23 00:21	12/29/23 20:06	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2196908	5	12/28/23 06:00	01/04/24 19:30	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2198157	1	12/21/23 12:55	12/31/23 19:04	AV	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2196541	1	12/27/23 16:43	12/28/23 05:36	AMG	Mt. Juliet, TN

TRIP BLANK L1691026-13 GW

Collected by: Chelsea Parra | Collected date/time: 12/21/23 00:00 | Received date/time: 12/22/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2198932	1	12/31/23 20:36	12/31/23 20:36	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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.7		1	12/28/2023 08:49	WG2196646

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Lead	19.4		2.48	5	01/04/2024 18:47	WG2196908

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 J3	0.0819	1.13	12/31/2023 15:33	WG2198157
Acrylonitrile	ND	J3	0.0204	1.13	12/31/2023 15:33	WG2198157
Benzene	ND		0.00164	1.13	12/31/2023 15:33	WG2198157
Bromobenzene	ND		0.0204	1.13	12/31/2023 15:33	WG2198157
Bromodichloromethane	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
Bromoform	ND		0.0410	1.13	12/31/2023 15:33	WG2198157
Bromomethane	ND		0.0204	1.13	12/31/2023 15:33	WG2198157
n-Butylbenzene	ND		0.0204	1.13	12/31/2023 15:33	WG2198157
sec-Butylbenzene	ND		0.0204	1.13	12/31/2023 15:33	WG2198157
tert-Butylbenzene	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
Carbon tetrachloride	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
Chlorobenzene	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
Chlorodibromomethane	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
Chloroethane	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
Chloroform	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
Chloromethane	ND	J4	0.0204	1.13	12/31/2023 15:33	WG2198157
2-Chlorotoluene	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
4-Chlorotoluene	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
1,2-Dibromo-3-Chloropropane	ND		0.0410	1.13	12/31/2023 15:33	WG2198157
1,2-Dibromoethane	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
Dibromomethane	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
1,2-Dichlorobenzene	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
1,3-Dichlorobenzene	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
1,4-Dichlorobenzene	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
Dichlorodifluoromethane	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
1,1-Dichloroethane	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
1,2-Dichloroethane	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
1,1-Dichloroethene	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
cis-1,2-Dichloroethene	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
trans-1,2-Dichloroethene	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
1,2-Dichloropropane	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
1,1-Dichloropropene	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
1,3-Dichloropropane	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
cis-1,3-Dichloropropene	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
trans-1,3-Dichloropropene	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
2,2-Dichloropropane	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
Di-isopropyl ether	ND		0.00164	1.13	12/31/2023 15:33	WG2198157
Ethylbenzene	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
Hexachloro-1,3-butadiene	ND		0.0410	1.13	12/31/2023 15:33	WG2198157
Isopropylbenzene	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
p-Isopropyltoluene	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
2-Butanone (MEK)	ND		0.164	1.13	12/31/2023 15:33	WG2198157
Methylene Chloride	ND		0.0410	1.13	12/31/2023 15:33	WG2198157
4-Methyl-2-pentanone (MIBK)	ND		0.0410	1.13	12/31/2023 15:33	WG2198157
Methyl tert-butyl ether	ND		0.00164	1.13	12/31/2023 15:33	WG2198157

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Naphthalene	ND		0.0204	1.13	12/31/2023 15:33	WG2198157
n-Propylbenzene	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
Styrene	ND		0.0204	1.13	12/31/2023 15:33	WG2198157
1,1,1,2-Tetrachloroethane	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
1,1,2,2-Tetrachloroethane	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
Tetrachloroethene	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
Toluene	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
1,2,3-Trichlorobenzene	ND		0.0204	1.13	12/31/2023 15:33	WG2198157
1,2,4-Trichlorobenzene	ND		0.0204	1.13	12/31/2023 15:33	WG2198157
1,1,1-Trichloroethane	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
1,1,2-Trichloroethane	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
Trichloroethene	ND		0.00164	1.13	12/31/2023 15:33	WG2198157
Trichlorofluoromethane	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
1,2,3-Trichloropropane	ND		0.0204	1.13	12/31/2023 15:33	WG2198157
1,2,4-Trimethylbenzene	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
1,3,5-Trimethylbenzene	ND		0.00819	1.13	12/31/2023 15:33	WG2198157
Vinyl chloride	ND		0.00410	1.13	12/31/2023 15:33	WG2198157
Xylenes, Total	ND		0.0107	1.13	12/31/2023 15:33	WG2198157
(S) Toluene-d8	*102*		*75.0-131*		*12/31/2023 15:33*	WG2198157
(S) 4-Bromofluorobenzene	*104*		*67.0-138*		*12/31/2023 15:33*	WG2198157
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*12/31/2023 15:33*	WG2198157

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.7		1	12/28/2023 08:49	WG2196646

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	01/02/2024 04:28	WG2196921

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0632		0.0521	1	12/29/2023 19:46	WG2196944

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.91	5	01/04/2024 18:50	WG2196908
Arsenic	2.24		1.30	5	01/04/2024 18:50	WG2196908
Barium	148		3.26	5	01/04/2024 18:50	WG2196908
Beryllium	ND		3.26	5	01/04/2024 18:50	WG2196908
Cadmium	ND		1.30	5	01/04/2024 18:50	WG2196908
Chromium	25.0		6.52	5	01/04/2024 18:50	WG2196908
Cobalt	11.4		1.30	5	01/04/2024 18:50	WG2196908
Copper	16.4		6.52	5	01/04/2024 18:50	WG2196908
Lead	33.8		2.61	5	01/04/2024 18:50	WG2196908
Manganese	336		3.26	5	01/04/2024 18:50	WG2196908
Nickel	19.9		3.26	5	01/04/2024 18:50	WG2196908
Selenium	ND		3.26	5	01/04/2024 18:50	WG2196908
Silver	ND		0.652	5	01/04/2024 18:50	WG2196908
Thallium	ND		2.61	5	01/04/2024 18:50	WG2196908
Vanadium	42.4		3.26	5	01/04/2024 18:50	WG2196908
Zinc	71.8		32.6	5	01/04/2024 18:50	WG2196908

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 J3	0.0849	1.07	12/31/2023 15:51	WG2198157
Acrylonitrile	ND	J3	0.0213	1.07	12/31/2023 15:51	WG2198157
Benzene	ND		0.00170	1.07	12/31/2023 15:51	WG2198157
Bromobenzene	ND		0.0213	1.07	12/31/2023 15:51	WG2198157
Bromodichloromethane	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
Bromoform	ND		0.0425	1.07	12/31/2023 15:51	WG2198157
Bromomethane	ND		0.0213	1.07	12/31/2023 15:51	WG2198157
n-Butylbenzene	ND		0.0213	1.07	12/31/2023 15:51	WG2198157
sec-Butylbenzene	ND		0.0213	1.07	12/31/2023 15:51	WG2198157
tert-Butylbenzene	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
Carbon tetrachloride	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
Chlorobenzene	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
Chlorodibromomethane	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
Chloroethane	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
Chloroform	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
Chloromethane	ND	J4	0.0213	1.07	12/31/2023 15:51	WG2198157
2-Chlorotoluene	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
4-Chlorotoluene	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
1,2-Dibromo-3-Chloropropane	ND		0.0425	1.07	12/31/2023 15:51	WG2198157

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		0.00425	1.07	12/31/2023 15:51	WG2198157
Dibromomethane	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
1,2-Dichlorobenzene	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
1,3-Dichlorobenzene	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
1,4-Dichlorobenzene	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
Dichlorodifluoromethane	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
1,1-Dichloroethane	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
1,2-Dichloroethane	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
1,1-Dichloroethene	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
cis-1,2-Dichloroethene	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
trans-1,2-Dichloroethene	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
1,2-Dichloropropane	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
1,1-Dichloropropene	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
1,3-Dichloropropane	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
cis-1,3-Dichloropropene	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
trans-1,3-Dichloropropene	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
2,2-Dichloropropane	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
Di-isopropyl ether	ND		0.00170	1.07	12/31/2023 15:51	WG2198157
Ethylbenzene	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
Hexachloro-1,3-butadiene	ND		0.0425	1.07	12/31/2023 15:51	WG2198157
Isopropylbenzene	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
p-Isopropyltoluene	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
2-Butanone (MEK)	ND		0.170	1.07	12/31/2023 15:51	WG2198157
Methylene Chloride	ND		0.0425	1.07	12/31/2023 15:51	WG2198157
4-Methyl-2-pentanone (MIBK)	ND		0.0425	1.07	12/31/2023 15:51	WG2198157
Methyl tert-butyl ether	ND		0.00170	1.07	12/31/2023 15:51	WG2198157
Naphthalene	ND		0.0213	1.07	12/31/2023 15:51	WG2198157
n-Propylbenzene	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
Styrene	ND		0.0213	1.07	12/31/2023 15:51	WG2198157
1,1,1,2-Tetrachloroethane	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
1,1,2,2-Tetrachloroethane	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
Tetrachloroethene	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
Toluene	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
1,2,3-Trichlorobenzene	ND		0.0213	1.07	12/31/2023 15:51	WG2198157
1,2,4-Trichlorobenzene	ND		0.0213	1.07	12/31/2023 15:51	WG2198157
1,1,1-Trichloroethane	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
1,1,2-Trichloroethane	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
Trichloroethene	ND		0.00170	1.07	12/31/2023 15:51	WG2198157
Trichlorofluoromethane	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
1,2,3-Trichloropropane	ND		0.0213	1.07	12/31/2023 15:51	WG2198157
1,2,4-Trimethylbenzene	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
1,3,5-Trimethylbenzene	ND		0.00849	1.07	12/31/2023 15:51	WG2198157
Vinyl chloride	ND		0.00425	1.07	12/31/2023 15:51	WG2198157
Xylenes, Total	ND		0.0110	1.07	12/31/2023 15:51	WG2198157
(S) Toluene-d8	*104*		*75.0-131*		*12/31/2023 15:51*	WG2198157
(S) 4-Bromofluorobenzene	*105*		*67.0-138*		*12/31/2023 15:51*	WG2198157
(S) 1,2-Dichloroethane-d4	*105*		*70.0-130*		*12/31/2023 15:51*	WG2198157

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	12/28/2023 06:18	WG2196541
Acenaphthylene	ND		0.0434	1	12/28/2023 06:18	WG2196541
Anthracene	ND		0.0434	1	12/28/2023 06:18	WG2196541
Benzidine	ND		2.18	1	12/28/2023 06:18	WG2196541
Benzo(a)anthracene	0.0602		0.0434	1	12/28/2023 06:18	WG2196541

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	0.0614		0.0434	1	12/28/2023 06:18	WG2196541
Benzo(k)fluoranthene	ND		0.0434	1	12/28/2023 06:18	WG2196541
Benzo(g,h,i)perylene	ND		0.0434	1	12/28/2023 06:18	WG2196541
Benzo(a)pyrene	0.0545		0.0434	1	12/28/2023 06:18	WG2196541
Bis(2-chlorethoxy)methane	ND		0.434	1	12/28/2023 06:18	WG2196541
Bis(2-chloroethyl)ether	ND		0.434	1	12/28/2023 06:18	WG2196541
2,2-Oxybis(1-Chloropropane)	ND		0.434	1	12/28/2023 06:18	WG2196541
4-Bromophenyl-phenylether	ND		0.434	1	12/28/2023 06:18	WG2196541
2-Chloronaphthalene	ND		0.0434	1	12/28/2023 06:18	WG2196541
4-Chlorophenyl-phenylether	ND		0.434	1	12/28/2023 06:18	WG2196541
Chrysene	0.0657		0.0434	1	12/28/2023 06:18	WG2196541
Dibenz(a,h)anthracene	ND		0.0434	1	12/28/2023 06:18	WG2196541
3,3-Dichlorobenzidine	ND		0.434	1	12/28/2023 06:18	WG2196541
2,4-Dinitrotoluene	ND		0.434	1	12/28/2023 06:18	WG2196541
2,6-Dinitrotoluene	ND		0.434	1	12/28/2023 06:18	WG2196541
Fluoranthene	0.118		0.0434	1	12/28/2023 06:18	WG2196541
Fluorene	ND		0.0434	1	12/28/2023 06:18	WG2196541
Hexachlorobenzene	ND		0.434	1	12/28/2023 06:18	WG2196541
Hexachloro-1,3-butadiene	ND		0.434	1	12/28/2023 06:18	WG2196541
Hexachlorocyclopentadiene	ND		0.434	1	12/28/2023 06:18	WG2196541
Hexachloroethane	ND		0.434	1	12/28/2023 06:18	WG2196541
Indeno(1,2,3-cd)pyrene	ND		0.0434	1	12/28/2023 06:18	WG2196541
Isophorone	ND		0.434	1	12/28/2023 06:18	WG2196541
Naphthalene	ND		0.0434	1	12/28/2023 06:18	WG2196541
Nitrobenzene	ND		0.434	1	12/28/2023 06:18	WG2196541
n-Nitrosodimethylamine	ND	C3	0.434	1	12/28/2023 06:18	WG2196541
n-Nitrosodiphenylamine	ND		0.434	1	12/28/2023 06:18	WG2196541
n-Nitrosodi-n-propylamine	ND	C3	0.434	1	12/28/2023 06:18	WG2196541
Phenanthrene	0.128		0.0434	1	12/28/2023 06:18	WG2196541
Benzylbutyl phthalate	ND	C3	0.434	1	12/28/2023 06:18	WG2196541
Bis(2-ethylhexyl)phthalate	ND	C3 J4	0.434	1	12/28/2023 06:18	WG2196541
Di-n-butyl phthalate	ND	C3	0.434	1	12/28/2023 06:18	WG2196541
Diethyl phthalate	ND		0.434	1	12/28/2023 06:18	WG2196541
Dimethyl phthalate	ND		0.434	1	12/28/2023 06:18	WG2196541
Di-n-octyl phthalate	ND	C3 J4	0.434	1	12/28/2023 06:18	WG2196541
Pyrene	0.149		0.0434	1	12/28/2023 06:18	WG2196541
1,2,4-Trichlorobenzene	ND		0.434	1	12/28/2023 06:18	WG2196541
4-Chloro-3-methylphenol	ND		0.434	1	12/28/2023 06:18	WG2196541
2-Chlorophenol	ND		0.434	1	12/28/2023 06:18	WG2196541
2,4-Dichlorophenol	ND		0.434	1	12/28/2023 06:18	WG2196541
2,4-Dimethylphenol	ND		0.434	1	12/28/2023 06:18	WG2196541
4,6-Dinitro-2-methylphenol	ND		0.434	1	12/28/2023 06:18	WG2196541
2,4-Dinitrophenol	ND		0.434	1	12/28/2023 06:18	WG2196541
2-Nitrophenol	ND		0.434	1	12/28/2023 06:18	WG2196541
4-Nitrophenol	ND		0.434	1	12/28/2023 06:18	WG2196541
Pentachlorophenol	ND		0.434	1	12/28/2023 06:18	WG2196541
Phenol	ND		0.434	1	12/28/2023 06:18	WG2196541
2,4,6-Trichlorophenol	ND		0.434	1	12/28/2023 06:18	WG2196541
(S) 2-Fluorophenol	*42.0*		*12.0-120*		*12/28/2023 06:18*	WG2196541
(S) Phenol-d5	*40.1*		*10.0-120*		*12/28/2023 06:18*	WG2196541
(S) Nitrobenzene-d5	*45.9*		*10.0-122*		*12/28/2023 06:18*	WG2196541
(S) 2-Fluorobiphenyl	*48.1*		*15.0-120*		*12/28/2023 06:18*	WG2196541
(S) 2,4,6-Tribromophenol	*75.5*		*10.0-127*		*12/28/2023 06:18*	WG2196541
(S) p-Terphenyl-d14	*46.9*		*10.0-120*		*12/28/2023 06:18*	WG2196541

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.2		1	12/28/2023 08:49	WG2196646

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	01/02/2024 04:35	WG2196921

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0578		0.0539	1	12/29/2023 19:27	WG2196944

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.04	5	01/04/2024 18:53	WG2196908
Arsenic	1.93		1.35	5	01/04/2024 18:53	WG2196908
Barium	103		3.37	5	01/04/2024 18:53	WG2196908
Beryllium	ND		3.37	5	01/04/2024 18:53	WG2196908
Cadmium	ND		1.35	5	01/04/2024 18:53	WG2196908
Chromium	17.3		6.73	5	01/04/2024 18:53	WG2196908
Cobalt	5.58		1.35	5	01/04/2024 18:53	WG2196908
Copper	14.1		6.73	5	01/04/2024 18:53	WG2196908
Lead	29.1		2.69	5	01/04/2024 18:53	WG2196908
Manganese	309		3.37	5	01/04/2024 18:53	WG2196908
Nickel	11.3		3.37	5	01/04/2024 18:53	WG2196908
Selenium	ND		3.37	5	01/04/2024 18:53	WG2196908
Silver	ND		0.673	5	01/04/2024 18:53	WG2196908
Thallium	ND		2.69	5	01/04/2024 18:53	WG2196908
Vanadium	28.8		3.37	5	01/04/2024 18:53	WG2196908
Zinc	54.2		33.7	5	01/04/2024 18:53	WG2196908

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 J3	0.0867	1.03	12/31/2023 16:13	WG2198157
Acrylonitrile	ND	J3	0.0217	1.03	12/31/2023 16:13	WG2198157
Benzene	ND		0.00173	1.03	12/31/2023 16:13	WG2198157
Bromobenzene	ND		0.0217	1.03	12/31/2023 16:13	WG2198157
Bromodichloromethane	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
Bromoform	ND		0.0435	1.03	12/31/2023 16:13	WG2198157
Bromomethane	ND		0.0217	1.03	12/31/2023 16:13	WG2198157
n-Butylbenzene	ND		0.0217	1.03	12/31/2023 16:13	WG2198157
sec-Butylbenzene	ND		0.0217	1.03	12/31/2023 16:13	WG2198157
tert-Butylbenzene	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
Carbon tetrachloride	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
Chlorobenzene	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
Chlorodibromomethane	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
Chloroethane	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
Chloroform	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
Chloromethane	ND	J4	0.0217	1.03	12/31/2023 16:13	WG2198157
2-Chlorotoluene	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
4-Chlorotoluene	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
1,2-Dibromo-3-Chloropropane	ND		0.0435	1.03	12/31/2023 16:13	WG2198157

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		0.00435	1.03	12/31/2023 16:13	WG2198157
Dibromomethane	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
1,2-Dichlorobenzene	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
1,3-Dichlorobenzene	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
1,4-Dichlorobenzene	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
Dichlorodifluoromethane	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
1,1-Dichloroethane	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
1,2-Dichloroethane	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
1,1-Dichloroethene	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
cis-1,2-Dichloroethene	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
trans-1,2-Dichloroethene	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
1,2-Dichloropropane	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
1,1-Dichloropropene	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
1,3-Dichloropropane	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
cis-1,3-Dichloropropene	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
trans-1,3-Dichloropropene	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
2,2-Dichloropropane	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
Di-isopropyl ether	ND		0.00173	1.03	12/31/2023 16:13	WG2198157
Ethylbenzene	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
Hexachloro-1,3-butadiene	ND		0.0435	1.03	12/31/2023 16:13	WG2198157
Isopropylbenzene	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
p-Isopropyltoluene	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
2-Butanone (MEK)	ND		0.173	1.03	12/31/2023 16:13	WG2198157
Methylene Chloride	ND		0.0435	1.03	12/31/2023 16:13	WG2198157
4-Methyl-2-pentanone (MIBK)	ND		0.0435	1.03	12/31/2023 16:13	WG2198157
Methyl tert-butyl ether	ND		0.00173	1.03	12/31/2023 16:13	WG2198157
Naphthalene	ND		0.0217	1.03	12/31/2023 16:13	WG2198157
n-Propylbenzene	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
Styrene	ND		0.0217	1.03	12/31/2023 16:13	WG2198157
1,1,1,2-Tetrachloroethane	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
1,1,2,2-Tetrachloroethane	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
Tetrachloroethene	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
Toluene	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
1,2,3-Trichlorobenzene	ND		0.0217	1.03	12/31/2023 16:13	WG2198157
1,2,4-Trichlorobenzene	ND		0.0217	1.03	12/31/2023 16:13	WG2198157
1,1,1-Trichloroethane	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
1,1,2-Trichloroethane	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
Trichloroethene	ND		0.00173	1.03	12/31/2023 16:13	WG2198157
Trichlorofluoromethane	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
1,2,3-Trichloropropane	ND		0.0217	1.03	12/31/2023 16:13	WG2198157
1,2,4-Trimethylbenzene	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
1,3,5-Trimethylbenzene	ND		0.00867	1.03	12/31/2023 16:13	WG2198157
Vinyl chloride	ND		0.00435	1.03	12/31/2023 16:13	WG2198157
Xylenes, Total	ND		0.0113	1.03	12/31/2023 16:13	WG2198157
(S) Toluene-d8	*104*		*75.0-131*		*12/31/2023 16:13*	WG2198157
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*12/31/2023 16:13*	WG2198157
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*12/31/2023 16:13*	WG2198157

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		0.0449	1	12/28/2023 05:14	WG2196541
Acenaphthylene	ND		0.0449	1	12/28/2023 05:14	WG2196541
Anthracene	0.0533		0.0449	1	12/28/2023 05:14	WG2196541
Benzidine	ND		2.25	1	12/28/2023 05:14	WG2196541
Benzo(a)anthracene	0.103		0.0449	1	12/28/2023 05:14	WG2196541

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	0.106		0.0449	1	12/28/2023 05:14	WG2196541
Benzo(k)fluoranthene	ND		0.0449	1	12/28/2023 05:14	WG2196541
Benzo(g,h,i)perylene	0.0560		0.0449	1	12/28/2023 05:14	WG2196541
Benzo(a)pyrene	0.0898		0.0449	1	12/28/2023 05:14	WG2196541
Bis(2-chlorethoxy)methane	ND		0.449	1	12/28/2023 05:14	WG2196541
Bis(2-chloroethyl)ether	ND		0.449	1	12/28/2023 05:14	WG2196541
2,2-Oxybis(1-Chloropropane)	ND		0.449	1	12/28/2023 05:14	WG2196541
4-Bromophenyl-phenylether	ND		0.449	1	12/28/2023 05:14	WG2196541
2-Chloronaphthalene	ND		0.0449	1	12/28/2023 05:14	WG2196541
4-Chlorophenyl-phenylether	ND		0.449	1	12/28/2023 05:14	WG2196541
Chrysene	0.110		0.0449	1	12/28/2023 05:14	WG2196541
Dibenz(a,h)anthracene	ND		0.0449	1	12/28/2023 05:14	WG2196541
3,3-Dichlorobenzidine	ND		0.449	1	12/28/2023 05:14	WG2196541
2,4-Dinitrotoluene	ND		0.449	1	12/28/2023 05:14	WG2196541
2,6-Dinitrotoluene	ND		0.449	1	12/28/2023 05:14	WG2196541
Fluoranthene	0.230		0.0449	1	12/28/2023 05:14	WG2196541
Fluorene	ND		0.0449	1	12/28/2023 05:14	WG2196541
Hexachlorobenzene	ND		0.449	1	12/28/2023 05:14	WG2196541
Hexachloro-1,3-butadiene	ND		0.449	1	12/28/2023 05:14	WG2196541
Hexachlorocyclopentadiene	ND		0.449	1	12/28/2023 05:14	WG2196541
Hexachloroethane	ND		0.449	1	12/28/2023 05:14	WG2196541
Indeno(1,2,3-cd)pyrene	0.0501		0.0449	1	12/28/2023 05:14	WG2196541
Isophorone	ND		0.449	1	12/28/2023 05:14	WG2196541
Naphthalene	ND		0.0449	1	12/28/2023 05:14	WG2196541
Nitrobenzene	ND		0.449	1	12/28/2023 05:14	WG2196541
n-Nitrosodimethylamine	ND	C3	0.449	1	12/28/2023 05:14	WG2196541
n-Nitrosodiphenylamine	ND		0.449	1	12/28/2023 05:14	WG2196541
n-Nitrosodi-n-propylamine	ND	C3	0.449	1	12/28/2023 05:14	WG2196541
Phenanthrene	0.295		0.0449	1	12/28/2023 05:14	WG2196541
Benzylbutyl phthalate	ND	C3	0.449	1	12/28/2023 05:14	WG2196541
Bis(2-ethylhexyl)phthalate	ND	C3 J4	0.449	1	12/28/2023 05:14	WG2196541
Di-n-butyl phthalate	ND	C3	0.449	1	12/28/2023 05:14	WG2196541
Diethyl phthalate	ND		0.449	1	12/28/2023 05:14	WG2196541
Dimethyl phthalate	ND		0.449	1	12/28/2023 05:14	WG2196541
Di-n-octyl phthalate	ND	C3 J4	0.449	1	12/28/2023 05:14	WG2196541
Pyrene	0.279		0.0449	1	12/28/2023 05:14	WG2196541
1,2,4-Trichlorobenzene	ND		0.449	1	12/28/2023 05:14	WG2196541
4-Chloro-3-methylphenol	ND		0.449	1	12/28/2023 05:14	WG2196541
2-Chlorophenol	ND		0.449	1	12/28/2023 05:14	WG2196541
2,4-Dichlorophenol	ND		0.449	1	12/28/2023 05:14	WG2196541
2,4-Dimethylphenol	ND		0.449	1	12/28/2023 05:14	WG2196541
4,6-Dinitro-2-methylphenol	ND		0.449	1	12/28/2023 05:14	WG2196541
2,4-Dinitrophenol	ND		0.449	1	12/28/2023 05:14	WG2196541
2-Nitrophenol	ND		0.449	1	12/28/2023 05:14	WG2196541
4-Nitrophenol	ND		0.449	1	12/28/2023 05:14	WG2196541
Pentachlorophenol	ND		0.449	1	12/28/2023 05:14	WG2196541
Phenol	ND		0.449	1	12/28/2023 05:14	WG2196541
2,4,6-Trichlorophenol	ND		0.449	1	12/28/2023 05:14	WG2196541
(S) 2-Fluorophenol	*52.8*		*12.0-120*		*12/28/2023 05:14*	WG2196541
(S) Phenol-d5	*52.2*		*10.0-120*		*12/28/2023 05:14*	WG2196541
(S) Nitrobenzene-d5	*53.6*		*10.0-122*		*12/28/2023 05:14*	WG2196541
(S) 2-Fluorobiphenyl	*59.6*		*15.0-120*		*12/28/2023 05:14*	WG2196541
(S) 2,4,6-Tribromophenol	*89.4*		*10.0-127*		*12/28/2023 05:14*	WG2196541
(S) p-Terphenyl-d14	*56.2*		*10.0-120*		*12/28/2023 05:14*	WG2196541

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.7		1	12/28/2023 08:49	WG2196646

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	01/02/2024 04:41	WG2196921

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0555		0.0543	1	12/29/2023 19:48	WG2196944

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.07	5	01/04/2024 19:07	WG2196908
Arsenic	1.95		1.36	5	01/04/2024 19:07	WG2196908
Barium	79.8		3.39	5	01/04/2024 19:07	WG2196908
Beryllium	ND		3.39	5	01/04/2024 19:07	WG2196908
Cadmium	ND		1.36	5	01/04/2024 19:07	WG2196908
Chromium	15.4		6.79	5	01/04/2024 19:07	WG2196908
Cobalt	6.16		1.36	5	01/04/2024 19:07	WG2196908
Copper	12.4		6.79	5	01/04/2024 19:07	WG2196908
Lead	59.6		2.71	5	01/04/2024 19:07	WG2196908
Manganese	215		3.39	5	01/04/2024 19:07	WG2196908
Nickel	12.1		3.39	5	01/04/2024 19:07	WG2196908
Selenium	ND		3.39	5	01/04/2024 19:07	WG2196908
Silver	ND		0.679	5	01/04/2024 19:07	WG2196908
Thallium	ND		2.71	5	01/04/2024 19:07	WG2196908
Vanadium	20.8		3.39	5	01/04/2024 19:07	WG2196908
Zinc	43.0		33.9	5	01/04/2024 19:07	WG2196908

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	0.142	C3 J3	0.0912	1.08	12/31/2023 16:32	WG2198157
Acrylonitrile	ND	J3	0.0228	1.08	12/31/2023 16:32	WG2198157
Benzene	0.0182		0.00182	1.08	12/31/2023 16:32	WG2198157
Bromobenzene	ND		0.0228	1.08	12/31/2023 16:32	WG2198157
Bromodichloromethane	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
Bromoform	ND		0.0456	1.08	12/31/2023 16:32	WG2198157
Bromomethane	ND		0.0228	1.08	12/31/2023 16:32	WG2198157
n-Butylbenzene	ND		0.0228	1.08	12/31/2023 16:32	WG2198157
sec-Butylbenzene	ND		0.0228	1.08	12/31/2023 16:32	WG2198157
tert-Butylbenzene	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
Carbon tetrachloride	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
Chlorobenzene	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
Chlorodibromomethane	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
Chloroethane	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
Chloroform	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
Chloromethane	ND	J4	0.0228	1.08	12/31/2023 16:32	WG2198157
2-Chlorotoluene	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
4-Chlorotoluene	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
1,2-Dibromo-3-Chloropropane	ND		0.0456	1.08	12/31/2023 16:32	WG2198157

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		0.00456	1.08	12/31/2023 16:32	WG2198157
Dibromomethane	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
1,2-Dichlorobenzene	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
1,3-Dichlorobenzene	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
1,4-Dichlorobenzene	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
Dichlorodifluoromethane	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
1,1-Dichloroethane	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
1,2-Dichloroethane	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
1,1-Dichloroethene	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
cis-1,2-Dichloroethene	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
trans-1,2-Dichloroethene	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
1,2-Dichloropropane	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
1,1-Dichloropropene	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
1,3-Dichloropropane	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
cis-1,3-Dichloropropene	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
trans-1,3-Dichloropropene	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
2,2-Dichloropropane	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
Di-isopropyl ether	ND		0.00182	1.08	12/31/2023 16:32	WG2198157
Ethylbenzene	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
Hexachloro-1,3-butadiene	ND		0.0456	1.08	12/31/2023 16:32	WG2198157
Isopropylbenzene	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
p-Isopropyltoluene	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
2-Butanone (MEK)	ND		0.182	1.08	12/31/2023 16:32	WG2198157
Methylene Chloride	ND		0.0456	1.08	12/31/2023 16:32	WG2198157
4-Methyl-2-pentanone (MIBK)	ND		0.0456	1.08	12/31/2023 16:32	WG2198157
Methyl tert-butyl ether	ND		0.00182	1.08	12/31/2023 16:32	WG2198157
Naphthalene	ND		0.0228	1.08	12/31/2023 16:32	WG2198157
n-Propylbenzene	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
Styrene	ND		0.0228	1.08	12/31/2023 16:32	WG2198157
1,1,1,2-Tetrachloroethane	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
1,1,2,2-Tetrachloroethane	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
Tetrachloroethene	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
Toluene	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
1,2,3-Trichlorobenzene	ND		0.0228	1.08	12/31/2023 16:32	WG2198157
1,2,4-Trichlorobenzene	ND		0.0228	1.08	12/31/2023 16:32	WG2198157
1,1,1-Trichloroethane	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
1,1,2-Trichloroethane	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
Trichloroethene	ND		0.00182	1.08	12/31/2023 16:32	WG2198157
Trichlorofluoromethane	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
1,2,3-Trichloropropane	ND		0.0228	1.08	12/31/2023 16:32	WG2198157
1,2,4-Trimethylbenzene	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
1,3,5-Trimethylbenzene	ND		0.00912	1.08	12/31/2023 16:32	WG2198157
Vinyl chloride	ND		0.00456	1.08	12/31/2023 16:32	WG2198157
Xylenes, Total	ND		0.0119	1.08	12/31/2023 16:32	WG2198157
(S) Toluene-d8	*102*		*75.0-131*		*12/31/2023 16:32*	WG2198157
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*12/31/2023 16:32*	WG2198157
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*12/31/2023 16:32*	WG2198157

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0452	1	12/28/2023 08:05	WG2196541
Acenaphthylene	ND		0.0452	1	12/28/2023 08:05	WG2196541
Anthracene	ND		0.0452	1	12/28/2023 08:05	WG2196541
Benzidine	ND		2.27	1	12/28/2023 08:05	WG2196541
Benzo(a)anthracene	0.0836		0.0452	1	12/28/2023 08:05	WG2196541

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		0.0452	1	12/28/2023 08:05	WG2196541
Benzo(k)fluoranthene	ND		0.0452	1	12/28/2023 08:05	WG2196541
Benzo(g,h,i)perylene	ND		0.0452	1	12/28/2023 08:05	WG2196541
Benzo(a)pyrene	0.0859		0.0452	1	12/28/2023 08:05	WG2196541
Bis(2-chlorethoxy)methane	ND		0.452	1	12/28/2023 08:05	WG2196541
Bis(2-chloroethyl)ether	ND		0.452	1	12/28/2023 08:05	WG2196541
2,2-Oxybis(1-Chloropropane)	ND		0.452	1	12/28/2023 08:05	WG2196541
4-Bromophenyl-phenylether	ND		0.452	1	12/28/2023 08:05	WG2196541
2-Chloronaphthalene	ND		0.0452	1	12/28/2023 08:05	WG2196541
4-Chlorophenyl-phenylether	ND		0.452	1	12/28/2023 08:05	WG2196541
Chrysene	0.0890		0.0452	1	12/28/2023 08:05	WG2196541
Dibenz(a,h)anthracene	ND		0.0452	1	12/28/2023 08:05	WG2196541
3,3-Dichlorobenzidine	ND		0.452	1	12/28/2023 08:05	WG2196541
2,4-Dinitrotoluene	ND		0.452	1	12/28/2023 08:05	WG2196541
2,6-Dinitrotoluene	ND		0.452	1	12/28/2023 08:05	WG2196541
Fluoranthene	0.174		0.0452	1	12/28/2023 08:05	WG2196541
Fluorene	ND		0.0452	1	12/28/2023 08:05	WG2196541
Hexachlorobenzene	ND		0.452	1	12/28/2023 08:05	WG2196541
Hexachloro-1,3-butadiene	ND		0.452	1	12/28/2023 08:05	WG2196541
Hexachlorocyclopentadiene	ND		0.452	1	12/28/2023 08:05	WG2196541
Hexachloroethane	ND		0.452	1	12/28/2023 08:05	WG2196541
Indeno(1,2,3-cd)pyrene	ND		0.0452	1	12/28/2023 08:05	WG2196541
Isophorone	ND		0.452	1	12/28/2023 08:05	WG2196541
Naphthalene	ND		0.0452	1	12/28/2023 08:05	WG2196541
Nitrobenzene	ND		0.452	1	12/28/2023 08:05	WG2196541
n-Nitrosodimethylamine	ND	C3	0.452	1	12/28/2023 08:05	WG2196541
n-Nitrosodiphenylamine	ND		0.452	1	12/28/2023 08:05	WG2196541
n-Nitrosodi-n-propylamine	ND	C3	0.452	1	12/28/2023 08:05	WG2196541
Phenanthrene	0.0797		0.0452	1	12/28/2023 08:05	WG2196541
Benzylbutyl phthalate	ND	C3	0.452	1	12/28/2023 08:05	WG2196541
Bis(2-ethylhexyl)phthalate	ND	C3 J4	0.452	1	12/28/2023 08:05	WG2196541
Di-n-butyl phthalate	ND	C3	0.452	1	12/28/2023 08:05	WG2196541
Diethyl phthalate	ND		0.452	1	12/28/2023 08:05	WG2196541
Dimethyl phthalate	ND		0.452	1	12/28/2023 08:05	WG2196541
Di-n-octyl phthalate	ND	C3 J4	0.452	1	12/28/2023 08:05	WG2196541
Pyrene	0.135		0.0452	1	12/28/2023 08:05	WG2196541
1,2,4-Trichlorobenzene	ND		0.452	1	12/28/2023 08:05	WG2196541
4-Chloro-3-methylphenol	ND		0.452	1	12/28/2023 08:05	WG2196541
2-Chlorophenol	ND		0.452	1	12/28/2023 08:05	WG2196541
2,4-Dichlorophenol	ND		0.452	1	12/28/2023 08:05	WG2196541
2,4-Dimethylphenol	ND		0.452	1	12/28/2023 08:05	WG2196541
4,6-Dinitro-2-methylphenol	ND		0.452	1	12/28/2023 08:05	WG2196541
2,4-Dinitrophenol	ND		0.452	1	12/28/2023 08:05	WG2196541
2-Nitrophenol	ND		0.452	1	12/28/2023 08:05	WG2196541
4-Nitrophenol	ND		0.452	1	12/28/2023 08:05	WG2196541
Pentachlorophenol	ND		0.452	1	12/28/2023 08:05	WG2196541
Phenol	ND		0.452	1	12/28/2023 08:05	WG2196541
2,4,6-Trichlorophenol	ND		0.452	1	12/28/2023 08:05	WG2196541
(S) 2-Fluorophenol	*51.3*		*12.0-120*		*12/28/2023 08:05*	WG2196541
(S) Phenol-d5	*48.9*		*10.0-120*		*12/28/2023 08:05*	WG2196541
(S) Nitrobenzene-d5	*54.9*		*10.0-122*		*12/28/2023 08:05*	WG2196541
(S) 2-Fluorobiphenyl	*58.3*		*15.0-120*		*12/28/2023 08:05*	WG2196541
(S) 2,4,6-Tribromophenol	*102*		*10.0-127*		*12/28/2023 08:05*	WG2196541
(S) p-Terphenyl-d14	*56.1*		*10.0-120*		*12/28/2023 08:05*	WG2196541

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.1		1	12/28/2023 08:49	WG2196646

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	01/02/2024 04:47	WG2196921

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0642		0.0500	1	12/29/2023 19:51	WG2196944

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.75	5	01/04/2024 19:10	WG2196908
Arsenic	2.11		1.25	5	01/04/2024 19:10	WG2196908
Barium	80.1		3.12	5	01/04/2024 19:10	WG2196908
Beryllium	ND		3.12	5	01/04/2024 19:10	WG2196908
Cadmium	ND		1.25	5	01/04/2024 19:10	WG2196908
Chromium	16.4		6.25	5	01/04/2024 19:10	WG2196908
Cobalt	7.55		1.25	5	01/04/2024 19:10	WG2196908
Copper	16.1		6.25	5	01/04/2024 19:10	WG2196908
Lead	80.9		2.50	5	01/04/2024 19:10	WG2196908
Manganese	271		3.12	5	01/04/2024 19:10	WG2196908
Nickel	17.3		3.12	5	01/04/2024 19:10	WG2196908
Selenium	ND		3.12	5	01/04/2024 19:10	WG2196908
Silver	ND		0.625	5	01/04/2024 19:10	WG2196908
Thallium	ND		2.50	5	01/04/2024 19:10	WG2196908
Vanadium	32.4		3.12	5	01/04/2024 19:10	WG2196908
Zinc	78.3		31.2	5	01/04/2024 19:10	WG2196908

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 J3	0.0805	1.09	12/31/2023 16:50	WG2198157
Acrylonitrile	ND	J3	0.0201	1.09	12/31/2023 16:50	WG2198157
Benzene	ND		0.00161	1.09	12/31/2023 16:50	WG2198157
Bromobenzene	ND		0.0201	1.09	12/31/2023 16:50	WG2198157
Bromodichloromethane	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
Bromoform	ND		0.0403	1.09	12/31/2023 16:50	WG2198157
Bromomethane	ND		0.0201	1.09	12/31/2023 16:50	WG2198157
n-Butylbenzene	ND		0.0201	1.09	12/31/2023 16:50	WG2198157
sec-Butylbenzene	ND		0.0201	1.09	12/31/2023 16:50	WG2198157
tert-Butylbenzene	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
Carbon tetrachloride	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
Chlorobenzene	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
Chlorodibromomethane	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
Chloroethane	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
Chloroform	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
Chloromethane	ND	J4	0.0201	1.09	12/31/2023 16:50	WG2198157
2-Chlorotoluene	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
4-Chlorotoluene	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
1,2-Dibromo-3-Chloropropane	ND		0.0403	1.09	12/31/2023 16:50	WG2198157

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	1.09	12/31/2023 16:50	WG2198157
Dibromomethane	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
1,2-Dichlorobenzene	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
1,3-Dichlorobenzene	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
1,4-Dichlorobenzene	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
Dichlorodifluoromethane	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
1,1-Dichloroethane	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
1,2-Dichloroethane	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
1,1-Dichloroethene	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
cis-1,2-Dichloroethene	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
trans-1,2-Dichloroethene	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
1,2-Dichloropropane	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
1,1-Dichloropropene	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
1,3-Dichloropropane	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
cis-1,3-Dichloropropene	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
trans-1,3-Dichloropropene	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
2,2-Dichloropropane	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
Di-isopropyl ether	ND		0.00161	1.09	12/31/2023 16:50	WG2198157
Ethylbenzene	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
Hexachloro-1,3-butadiene	ND		0.0403	1.09	12/31/2023 16:50	WG2198157
Isopropylbenzene	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
p-Isopropyltoluene	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
2-Butanone (MEK)	ND		0.161	1.09	12/31/2023 16:50	WG2198157
Methylene Chloride	ND		0.0403	1.09	12/31/2023 16:50	WG2198157
4-Methyl-2-pentanone (MIBK)	ND		0.0403	1.09	12/31/2023 16:50	WG2198157
Methyl tert-butyl ether	ND		0.00161	1.09	12/31/2023 16:50	WG2198157
Naphthalene	ND		0.0201	1.09	12/31/2023 16:50	WG2198157
n-Propylbenzene	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
Styrene	ND		0.0201	1.09	12/31/2023 16:50	WG2198157
1,1,1,2-Tetrachloroethane	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
1,1,2,2-Tetrachloroethane	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
Tetrachloroethene	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
Toluene	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
1,2,3-Trichlorobenzene	ND		0.0201	1.09	12/31/2023 16:50	WG2198157
1,2,4-Trichlorobenzene	ND		0.0201	1.09	12/31/2023 16:50	WG2198157
1,1,1-Trichloroethane	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
1,1,2-Trichloroethane	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
Trichloroethene	ND		0.00161	1.09	12/31/2023 16:50	WG2198157
Trichlorofluoromethane	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
1,2,3-Trichloropropane	ND		0.0201	1.09	12/31/2023 16:50	WG2198157
1,2,4-Trimethylbenzene	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
1,3,5-Trimethylbenzene	ND		0.00805	1.09	12/31/2023 16:50	WG2198157
Vinyl chloride	ND		0.00403	1.09	12/31/2023 16:50	WG2198157
Xylenes, Total	ND		0.0105	1.09	12/31/2023 16:50	WG2198157
(S) Toluene-d8	*104*		*75.0-131*		*12/31/2023 16:50*	WG2198157
(S) 4-Bromofluorobenzene	*104*		*67.0-138*		*12/31/2023 16:50*	WG2198157
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*12/31/2023 16:50*	WG2198157

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	12/28/2023 08:27	WG2196541
Acenaphthylene	ND		0.0416	1	12/28/2023 08:27	WG2196541
Anthracene	0.107		0.0416	1	12/28/2023 08:27	WG2196541
Benzidine	ND		2.09	1	12/28/2023 08:27	WG2196541
Benzo(a)anthracene	0.336		0.0416	1	12/28/2023 08:27	WG2196541

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
Benzo(b)fluoranthene	0.492		0.0416	1	12/28/2023 08:27	WG2196541
Benzo(k)fluoranthene	0.147		0.0416	1	12/28/2023 08:27	WG2196541
Benzo(g,h,i)perylene	0.172		0.0416	1	12/28/2023 08:27	WG2196541
Benzo(a)pyrene	0.371		0.0416	1	12/28/2023 08:27	WG2196541
Bis(2-chlorethoxy)methane	ND		0.416	1	12/28/2023 08:27	WG2196541
Bis(2-chloroethyl)ether	ND		0.416	1	12/28/2023 08:27	WG2196541
2,2-Oxybis(1-Chloropropane)	ND		0.416	1	12/28/2023 08:27	WG2196541
4-Bromophenyl-phenylether	ND		0.416	1	12/28/2023 08:27	WG2196541
2-Chloronaphthalene	ND		0.0416	1	12/28/2023 08:27	WG2196541
4-Chlorophenyl-phenylether	ND		0.416	1	12/28/2023 08:27	WG2196541
Chrysene	0.327		0.0416	1	12/28/2023 08:27	WG2196541
Dibenz(a,h)anthracene	0.0445		0.0416	1	12/28/2023 08:27	WG2196541
3,3-Dichlorobenzidine	ND		0.416	1	12/28/2023 08:27	WG2196541
2,4-Dinitrotoluene	ND		0.416	1	12/28/2023 08:27	WG2196541
2,6-Dinitrotoluene	ND		0.416	1	12/28/2023 08:27	WG2196541
Fluoranthene	0.756		0.0416	1	12/28/2023 08:27	WG2196541
Fluorene	0.0512		0.0416	1	12/28/2023 08:27	WG2196541
Hexachlorobenzene	ND		0.416	1	12/28/2023 08:27	WG2196541
Hexachloro-1,3-butadiene	ND		0.416	1	12/28/2023 08:27	WG2196541
Hexachlorocyclopentadiene	ND		0.416	1	12/28/2023 08:27	WG2196541
Hexachloroethane	ND		0.416	1	12/28/2023 08:27	WG2196541
Indeno(1,2,3-cd)pyrene	0.197		0.0416	1	12/28/2023 08:27	WG2196541
Isophorone	ND		0.416	1	12/28/2023 08:27	WG2196541
Naphthalene	ND		0.0416	1	12/28/2023 08:27	WG2196541
Nitrobenzene	ND		0.416	1	12/28/2023 08:27	WG2196541
n-Nitrosodimethylamine	ND	C3	0.416	1	12/28/2023 08:27	WG2196541
n-Nitrosodiphenylamine	ND		0.416	1	12/28/2023 08:27	WG2196541
n-Nitrosodi-n-propylamine	ND	C3	0.416	1	12/28/2023 08:27	WG2196541
Phenanthrene	0.374		0.0416	1	12/28/2023 08:27	WG2196541
Benzylbutyl phthalate	ND	C3	0.416	1	12/28/2023 08:27	WG2196541
Bis(2-ethylhexyl)phthalate	ND	C3 J4	0.416	1	12/28/2023 08:27	WG2196541
Di-n-butyl phthalate	ND	C3	0.416	1	12/28/2023 08:27	WG2196541
Diethyl phthalate	ND		0.416	1	12/28/2023 08:27	WG2196541
Dimethyl phthalate	ND		0.416	1	12/28/2023 08:27	WG2196541
Di-n-octyl phthalate	ND	C3 J4	0.416	1	12/28/2023 08:27	WG2196541
Pyrene	0.555		0.0416	1	12/28/2023 08:27	WG2196541
1,2,4-Trichlorobenzene	ND		0.416	1	12/28/2023 08:27	WG2196541
4-Chloro-3-methylphenol	ND		0.416	1	12/28/2023 08:27	WG2196541
2-Chlorophenol	ND		0.416	1	12/28/2023 08:27	WG2196541
2,4-Dichlorophenol	ND		0.416	1	12/28/2023 08:27	WG2196541
2,4-Dimethylphenol	ND		0.416	1	12/28/2023 08:27	WG2196541
4,6-Dinitro-2-methylphenol	ND		0.416	1	12/28/2023 08:27	WG2196541
2,4-Dinitrophenol	ND		0.416	1	12/28/2023 08:27	WG2196541
2-Nitrophenol	ND		0.416	1	12/28/2023 08:27	WG2196541
4-Nitrophenol	ND		0.416	1	12/28/2023 08:27	WG2196541
Pentachlorophenol	ND		0.416	1	12/28/2023 08:27	WG2196541
Phenol	ND		0.416	1	12/28/2023 08:27	WG2196541
2,4,6-Trichlorophenol	ND		0.416	1	12/28/2023 08:27	WG2196541
(S) 2-Fluorophenol	*39.5*		*12.0-120*		*12/28/2023 08:27*	WG2196541
(S) Phenol-d5	*36.8*		*10.0-120*		*12/28/2023 08:27*	WG2196541
(S) Nitrobenzene-d5	*41.2*		*10.0-122*		*12/28/2023 08:27*	WG2196541
(S) 2-Fluorobiphenyl	*46.4*		*15.0-120*		*12/28/2023 08:27*	WG2196541
(S) 2,4,6-Tribromophenol	*77.6*		*10.0-127*		*12/28/2023 08:27*	WG2196541
(S) p-Terphenyl-d14	*43.7*		*10.0-120*		*12/28/2023 08:27*	WG2196541

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.5		1	12/28/2023 08:49	WG2196646

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	01/02/2024 05:30	WG2196921

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0814		0.0516	1	12/29/2023 19:53	WG2196944

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.87	5	01/04/2024 19:14	WG2196908
Arsenic	2.21		1.29	5	01/04/2024 19:14	WG2196908
Barium	97.1		3.23	5	01/04/2024 19:14	WG2196908
Beryllium	ND		3.23	5	01/04/2024 19:14	WG2196908
Cadmium	ND		1.29	5	01/04/2024 19:14	WG2196908
Chromium	17.5		6.45	5	01/04/2024 19:14	WG2196908
Cobalt	6.14		1.29	5	01/04/2024 19:14	WG2196908
Copper	14.0		6.45	5	01/04/2024 19:14	WG2196908
Lead	53.8		2.58	5	01/04/2024 19:14	WG2196908
Manganese	252		3.23	5	01/04/2024 19:14	WG2196908
Nickel	13.3		3.23	5	01/04/2024 19:14	WG2196908
Selenium	ND		3.23	5	01/04/2024 19:14	WG2196908
Silver	ND		0.645	5	01/04/2024 19:14	WG2196908
Thallium	ND		2.58	5	01/04/2024 19:14	WG2196908
Vanadium	23.9		3.23	5	01/04/2024 19:14	WG2196908
Zinc	102		32.3	5	01/04/2024 19:14	WG2196908

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 J3	0.0842	1.08	12/31/2023 17:09	WG2198157
Acrylonitrile	ND	J3	0.0211	1.08	12/31/2023 17:09	WG2198157
Benzene	ND		0.00168	1.08	12/31/2023 17:09	WG2198157
Bromobenzene	ND		0.0211	1.08	12/31/2023 17:09	WG2198157
Bromodichloromethane	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
Bromoform	ND		0.0421	1.08	12/31/2023 17:09	WG2198157
Bromomethane	ND		0.0211	1.08	12/31/2023 17:09	WG2198157
n-Butylbenzene	ND		0.0211	1.08	12/31/2023 17:09	WG2198157
sec-Butylbenzene	ND		0.0211	1.08	12/31/2023 17:09	WG2198157
tert-Butylbenzene	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
Carbon tetrachloride	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
Chlorobenzene	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
Chlorodibromomethane	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
Chloroethane	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
Chloroform	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
Chloromethane	ND	J4	0.0211	1.08	12/31/2023 17:09	WG2198157
2-Chlorotoluene	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
4-Chlorotoluene	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
1,2-Dibromo-3-Chloropropane	ND		0.0421	1.08	12/31/2023 17:09	WG2198157

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		0.00421	1.08	12/31/2023 17:09	WG2198157
Dibromomethane	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
1,2-Dichlorobenzene	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
1,3-Dichlorobenzene	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
1,4-Dichlorobenzene	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
Dichlorodifluoromethane	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
1,1-Dichloroethane	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
1,2-Dichloroethane	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
1,1-Dichloroethene	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
cis-1,2-Dichloroethene	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
trans-1,2-Dichloroethene	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
1,2-Dichloropropane	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
1,1-Dichloropropene	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
1,3-Dichloropropane	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
cis-1,3-Dichloropropene	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
trans-1,3-Dichloropropene	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
2,2-Dichloropropane	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
Di-isopropyl ether	ND		0.00168	1.08	12/31/2023 17:09	WG2198157
Ethylbenzene	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
Hexachloro-1,3-butadiene	ND		0.0421	1.08	12/31/2023 17:09	WG2198157
Isopropylbenzene	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
p-Isopropyltoluene	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
2-Butanone (MEK)	ND		0.168	1.08	12/31/2023 17:09	WG2198157
Methylene Chloride	ND		0.0421	1.08	12/31/2023 17:09	WG2198157
4-Methyl-2-pentanone (MIBK)	ND		0.0421	1.08	12/31/2023 17:09	WG2198157
Methyl tert-butyl ether	ND		0.00168	1.08	12/31/2023 17:09	WG2198157
Naphthalene	ND		0.0211	1.08	12/31/2023 17:09	WG2198157
n-Propylbenzene	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
Styrene	ND		0.0211	1.08	12/31/2023 17:09	WG2198157
1,1,1,2-Tetrachloroethane	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
1,1,2,2-Tetrachloroethane	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
Tetrachloroethene	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
Toluene	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
1,2,3-Trichlorobenzene	ND		0.0211	1.08	12/31/2023 17:09	WG2198157
1,2,4-Trichlorobenzene	ND		0.0211	1.08	12/31/2023 17:09	WG2198157
1,1,1-Trichloroethane	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
1,1,2-Trichloroethane	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
Trichloroethene	ND		0.00168	1.08	12/31/2023 17:09	WG2198157
Trichlorofluoromethane	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
1,2,3-Trichloropropane	ND		0.0211	1.08	12/31/2023 17:09	WG2198157
1,2,4-Trimethylbenzene	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
1,3,5-Trimethylbenzene	ND		0.00842	1.08	12/31/2023 17:09	WG2198157
Vinyl chloride	ND		0.00421	1.08	12/31/2023 17:09	WG2198157
Xylenes, Total	ND		0.0110	1.08	12/31/2023 17:09	WG2198157
(S) Toluene-d8	*103*		*75.0-131*		*12/31/2023 17:09*	WG2198157
(S) 4-Bromofluorobenzene	*104*		*67.0-138*		*12/31/2023 17:09*	WG2198157
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*12/31/2023 17:09*	WG2198157

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	12/28/2023 06:39	WG2196541
Acenaphthylene	ND		0.0430	1	12/28/2023 06:39	WG2196541
Anthracene	ND		0.0430	1	12/28/2023 06:39	WG2196541
Benzidine	ND		2.16	1	12/28/2023 06:39	WG2196541
Benzo(a)anthracene	0.176		0.0430	1	12/28/2023 06:39	WG2196541

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	0.214		0.0430	1	12/28/2023 06:39	WG2196541
Benzo(k)fluoranthene	0.0635		0.0430	1	12/28/2023 06:39	WG2196541
Benzo(g,h,i)perylene	0.0889		0.0430	1	12/28/2023 06:39	WG2196541
Benzo(a)pyrene	0.155		0.0430	1	12/28/2023 06:39	WG2196541
Bis(2-chlorethoxy)methane	ND		0.430	1	12/28/2023 06:39	WG2196541
Bis(2-chloroethyl)ether	ND		0.430	1	12/28/2023 06:39	WG2196541
2,2-Oxybis(1-Chloropropane)	ND		0.430	1	12/28/2023 06:39	WG2196541
4-Bromophenyl-phenylether	ND		0.430	1	12/28/2023 06:39	WG2196541
2-Chloronaphthalene	ND		0.0430	1	12/28/2023 06:39	WG2196541
4-Chlorophenyl-phenylether	ND		0.430	1	12/28/2023 06:39	WG2196541
Chrysene	0.169		0.0430	1	12/28/2023 06:39	WG2196541
Dibenz(a,h)anthracene	ND		0.0430	1	12/28/2023 06:39	WG2196541
3,3-Dichlorobenzidine	ND		0.430	1	12/28/2023 06:39	WG2196541
2,4-Dinitrotoluene	ND		0.430	1	12/28/2023 06:39	WG2196541
2,6-Dinitrotoluene	ND		0.430	1	12/28/2023 06:39	WG2196541
Fluoranthene	0.355		0.0430	1	12/28/2023 06:39	WG2196541
Fluorene	ND		0.0430	1	12/28/2023 06:39	WG2196541
Hexachlorobenzene	ND		0.430	1	12/28/2023 06:39	WG2196541
Hexachloro-1,3-butadiene	ND		0.430	1	12/28/2023 06:39	WG2196541
Hexachlorocyclopentadiene	ND		0.430	1	12/28/2023 06:39	WG2196541
Hexachloroethane	ND		0.430	1	12/28/2023 06:39	WG2196541
Indeno(1,2,3-cd)pyrene	0.0953		0.0430	1	12/28/2023 06:39	WG2196541
Isophorone	ND		0.430	1	12/28/2023 06:39	WG2196541
Naphthalene	ND		0.0430	1	12/28/2023 06:39	WG2196541
Nitrobenzene	ND		0.430	1	12/28/2023 06:39	WG2196541
n-Nitrosodimethylamine	ND	C3	0.430	1	12/28/2023 06:39	WG2196541
n-Nitrosodiphenylamine	ND		0.430	1	12/28/2023 06:39	WG2196541
n-Nitrosodi-n-propylamine	ND	C3	0.430	1	12/28/2023 06:39	WG2196541
Phenanthrene	0.179		0.0430	1	12/28/2023 06:39	WG2196541
Benzylbutyl phthalate	ND	C3	0.430	1	12/28/2023 06:39	WG2196541
Bis(2-ethylhexyl)phthalate	ND	C3 J4	0.430	1	12/28/2023 06:39	WG2196541
Di-n-butyl phthalate	ND	C3	0.430	1	12/28/2023 06:39	WG2196541
Diethyl phthalate	ND		0.430	1	12/28/2023 06:39	WG2196541
Dimethyl phthalate	ND		0.430	1	12/28/2023 06:39	WG2196541
Di-n-octyl phthalate	ND	C3 J4	0.430	1	12/28/2023 06:39	WG2196541
Pyrene	0.280		0.0430	1	12/28/2023 06:39	WG2196541
1,2,4-Trichlorobenzene	ND		0.430	1	12/28/2023 06:39	WG2196541
4-Chloro-3-methylphenol	ND		0.430	1	12/28/2023 06:39	WG2196541
2-Chlorophenol	ND		0.430	1	12/28/2023 06:39	WG2196541
2,4-Dichlorophenol	ND		0.430	1	12/28/2023 06:39	WG2196541
2,4-Dimethylphenol	ND		0.430	1	12/28/2023 06:39	WG2196541
4,6-Dinitro-2-methylphenol	ND		0.430	1	12/28/2023 06:39	WG2196541
2,4-Dinitrophenol	ND		0.430	1	12/28/2023 06:39	WG2196541
2-Nitrophenol	ND		0.430	1	12/28/2023 06:39	WG2196541
4-Nitrophenol	ND		0.430	1	12/28/2023 06:39	WG2196541
Pentachlorophenol	ND		0.430	1	12/28/2023 06:39	WG2196541
Phenol	ND		0.430	1	12/28/2023 06:39	WG2196541
2,4,6-Trichlorophenol	ND		0.430	1	12/28/2023 06:39	WG2196541
(S) 2-Fluorophenol	*58.4*		*12.0-120*		*12/28/2023 06:39*	WG2196541
(S) Phenol-d5	*55.8*		*10.0-120*		*12/28/2023 06:39*	WG2196541
(S) Nitrobenzene-d5	*59.9*		*10.0-122*		*12/28/2023 06:39*	WG2196541
(S) 2-Fluorobiphenyl	*63.5*		*15.0-120*		*12/28/2023 06:39*	WG2196541
(S) 2,4,6-Tribromophenol	*107*		*10.0-127*		*12/28/2023 06:39*	WG2196541
(S) p-Terphenyl-d14	*64.4*		*10.0-120*		*12/28/2023 06:39*	WG2196541

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.5		1	12/28/2023 08:49	WG2196646

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	01/02/2024 05:37	WG2196921

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0870		0.0523	1	12/29/2023 19:56	WG2196944

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.92	5	01/04/2024 19:17	WG2196908
Arsenic	3.42		1.31	5	01/04/2024 19:17	WG2196908
Barium	139		3.27	5	01/04/2024 19:17	WG2196908
Beryllium	ND		3.27	5	01/04/2024 19:17	WG2196908
Cadmium	ND		1.31	5	01/04/2024 19:17	WG2196908
Chromium	31.0		6.54	5	01/04/2024 19:17	WG2196908
Cobalt	13.3		1.31	5	01/04/2024 19:17	WG2196908
Copper	15.8		6.54	5	01/04/2024 19:17	WG2196908
Lead	42.5		2.62	5	01/04/2024 19:17	WG2196908
Manganese	521		3.27	5	01/04/2024 19:17	WG2196908
Nickel	22.7		3.27	5	01/04/2024 19:17	WG2196908
Selenium	ND		3.27	5	01/04/2024 19:17	WG2196908
Silver	ND		0.654	5	01/04/2024 19:17	WG2196908
Thallium	ND		2.62	5	01/04/2024 19:17	WG2196908
Vanadium	37.5		3.27	5	01/04/2024 19:17	WG2196908
Zinc	72.3		32.7	5	01/04/2024 19:17	WG2196908

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 J3	0.0939	1.2	12/31/2023 17:28	WG2198157
Acrylonitrile	ND	J3	0.0235	1.2	12/31/2023 17:28	WG2198157
Benzene	ND		0.00188	1.2	12/31/2023 17:28	WG2198157
Bromobenzene	ND		0.0235	1.2	12/31/2023 17:28	WG2198157
Bromodichloromethane	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
Bromoform	ND		0.0469	1.2	12/31/2023 17:28	WG2198157
Bromomethane	ND		0.0235	1.2	12/31/2023 17:28	WG2198157
n-Butylbenzene	ND		0.0235	1.2	12/31/2023 17:28	WG2198157
sec-Butylbenzene	ND		0.0235	1.2	12/31/2023 17:28	WG2198157
tert-Butylbenzene	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
Carbon tetrachloride	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
Chlorobenzene	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
Chlorodibromomethane	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
Chloroethane	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
Chloroform	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
Chloromethane	ND	J4	0.0235	1.2	12/31/2023 17:28	WG2198157
2-Chlorotoluene	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
4-Chlorotoluene	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
1,2-Dibromo-3-Chloropropane	ND		0.0469	1.2	12/31/2023 17:28	WG2198157

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	1.2	12/31/2023 17:28	WG2198157
Dibromomethane	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
1,2-Dichlorobenzene	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
1,3-Dichlorobenzene	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
1,4-Dichlorobenzene	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
Dichlorodifluoromethane	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
1,1-Dichloroethane	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
1,2-Dichloroethane	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
1,1-Dichloroethene	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
cis-1,2-Dichloroethene	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
trans-1,2-Dichloroethene	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
1,2-Dichloropropane	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
1,1-Dichloropropene	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
1,3-Dichloropropane	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
cis-1,3-Dichloropropene	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
trans-1,3-Dichloropropene	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
2,2-Dichloropropane	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
Di-isopropyl ether	ND		0.00188	1.2	12/31/2023 17:28	WG2198157
Ethylbenzene	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
Hexachloro-1,3-butadiene	ND		0.0469	1.2	12/31/2023 17:28	WG2198157
Isopropylbenzene	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
p-Isopropyltoluene	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
2-Butanone (MEK)	ND		0.188	1.2	12/31/2023 17:28	WG2198157
Methylene Chloride	ND		0.0469	1.2	12/31/2023 17:28	WG2198157
4-Methyl-2-pentanone (MIBK)	ND		0.0469	1.2	12/31/2023 17:28	WG2198157
Methyl tert-butyl ether	ND		0.00188	1.2	12/31/2023 17:28	WG2198157
Naphthalene	ND		0.0235	1.2	12/31/2023 17:28	WG2198157
n-Propylbenzene	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
Styrene	ND		0.0235	1.2	12/31/2023 17:28	WG2198157
1,1,1,2-Tetrachloroethane	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
1,1,2,2-Tetrachloroethane	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
Tetrachloroethene	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
Toluene	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
1,2,3-Trichlorobenzene	ND		0.0235	1.2	12/31/2023 17:28	WG2198157
1,2,4-Trichlorobenzene	ND		0.0235	1.2	12/31/2023 17:28	WG2198157
1,1,1-Trichloroethane	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
1,1,2-Trichloroethane	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
Trichloroethene	ND		0.00188	1.2	12/31/2023 17:28	WG2198157
Trichlorofluoromethane	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
1,2,3-Trichloropropane	ND		0.0235	1.2	12/31/2023 17:28	WG2198157
1,2,4-Trimethylbenzene	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
1,3,5-Trimethylbenzene	ND		0.00939	1.2	12/31/2023 17:28	WG2198157
Vinyl chloride	ND		0.00469	1.2	12/31/2023 17:28	WG2198157
Xylenes, Total	ND		0.0122	1.2	12/31/2023 17:28	WG2198157
(S) Toluene-d8	*103*		*75.0-131*		*12/31/2023 17:28*	WG2198157
(S) 4-Bromofluorobenzene	*106*		*67.0-138*		*12/31/2023 17:28*	WG2198157
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*12/31/2023 17:28*	WG2198157

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	12/28/2023 07:01	WG2196541
Acenaphthylene	ND		0.0436	1	12/28/2023 07:01	WG2196541
Anthracene	ND		0.0436	1	12/28/2023 07:01	WG2196541
Benzidine	ND		2.18	1	12/28/2023 07:01	WG2196541
Benzo(a)anthracene	0.0572		0.0436	1	12/28/2023 07:01	WG2196541

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	0.0689		0.0436	1	12/28/2023 07:01	WG2196541
Benzo(k)fluoranthene	ND		0.0436	1	12/28/2023 07:01	WG2196541
Benzo(g,h,i)perylene	ND		0.0436	1	12/28/2023 07:01	WG2196541
Benzo(a)pyrene	0.0552		0.0436	1	12/28/2023 07:01	WG2196541
Bis(2-chlorethoxy)methane	ND		0.436	1	12/28/2023 07:01	WG2196541
Bis(2-chloroethyl)ether	ND		0.436	1	12/28/2023 07:01	WG2196541
2,2-Oxybis(1-Chloropropane)	ND		0.436	1	12/28/2023 07:01	WG2196541
4-Bromophenyl-phenylether	ND		0.436	1	12/28/2023 07:01	WG2196541
2-Chloronaphthalene	ND		0.0436	1	12/28/2023 07:01	WG2196541
4-Chlorophenyl-phenylether	ND		0.436	1	12/28/2023 07:01	WG2196541
Chrysene	0.0451		0.0436	1	12/28/2023 07:01	WG2196541
Dibenz(a,h)anthracene	ND		0.0436	1	12/28/2023 07:01	WG2196541
3,3-Dichlorobenzidine	ND		0.436	1	12/28/2023 07:01	WG2196541
2,4-Dinitrotoluene	ND		0.436	1	12/28/2023 07:01	WG2196541
2,6-Dinitrotoluene	ND		0.436	1	12/28/2023 07:01	WG2196541
Fluoranthene	0.129		0.0436	1	12/28/2023 07:01	WG2196541
Fluorene	ND		0.0436	1	12/28/2023 07:01	WG2196541
Hexachlorobenzene	ND		0.436	1	12/28/2023 07:01	WG2196541
Hexachloro-1,3-butadiene	ND		0.436	1	12/28/2023 07:01	WG2196541
Hexachlorocyclopentadiene	ND		0.436	1	12/28/2023 07:01	WG2196541
Hexachloroethane	ND		0.436	1	12/28/2023 07:01	WG2196541
Indeno(1,2,3-cd)pyrene	ND		0.0436	1	12/28/2023 07:01	WG2196541
Isophorone	ND		0.436	1	12/28/2023 07:01	WG2196541
Naphthalene	ND		0.0436	1	12/28/2023 07:01	WG2196541
Nitrobenzene	ND		0.436	1	12/28/2023 07:01	WG2196541
n-Nitrosodimethylamine	ND	C3	0.436	1	12/28/2023 07:01	WG2196541
n-Nitrosodiphenylamine	ND		0.436	1	12/28/2023 07:01	WG2196541
n-Nitrosodi-n-propylamine	ND	C3	0.436	1	12/28/2023 07:01	WG2196541
Phenanthrene	0.0642		0.0436	1	12/28/2023 07:01	WG2196541
Benzylbutyl phthalate	ND	C3	0.436	1	12/28/2023 07:01	WG2196541
Bis(2-ethylhexyl)phthalate	ND	C3 J4	0.436	1	12/28/2023 07:01	WG2196541
Di-n-butyl phthalate	ND	C3	0.436	1	12/28/2023 07:01	WG2196541
Diethyl phthalate	ND		0.436	1	12/28/2023 07:01	WG2196541
Dimethyl phthalate	ND		0.436	1	12/28/2023 07:01	WG2196541
Di-n-octyl phthalate	ND	C3 J4	0.436	1	12/28/2023 07:01	WG2196541
Pyrene	0.0961		0.0436	1	12/28/2023 07:01	WG2196541
1,2,4-Trichlorobenzene	ND		0.436	1	12/28/2023 07:01	WG2196541
4-Chloro-3-methylphenol	ND		0.436	1	12/28/2023 07:01	WG2196541
2-Chlorophenol	ND		0.436	1	12/28/2023 07:01	WG2196541
2,4-Dichlorophenol	ND		0.436	1	12/28/2023 07:01	WG2196541
2,4-Dimethylphenol	ND		0.436	1	12/28/2023 07:01	WG2196541
4,6-Dinitro-2-methylphenol	ND		0.436	1	12/28/2023 07:01	WG2196541
2,4-Dinitrophenol	ND		0.436	1	12/28/2023 07:01	WG2196541
2-Nitrophenol	ND		0.436	1	12/28/2023 07:01	WG2196541
4-Nitrophenol	ND		0.436	1	12/28/2023 07:01	WG2196541
Pentachlorophenol	ND		0.436	1	12/28/2023 07:01	WG2196541
Phenol	ND		0.436	1	12/28/2023 07:01	WG2196541
2,4,6-Trichlorophenol	ND		0.436	1	12/28/2023 07:01	WG2196541
(S) 2-Fluorophenol	*54.5*		*12.0-120*		*12/28/2023 07:01*	WG2196541
(S) Phenol-d5	*52.0*		*10.0-120*		*12/28/2023 07:01*	WG2196541
(S) Nitrobenzene-d5	*58.2*		*10.0-122*		*12/28/2023 07:01*	WG2196541
(S) 2-Fluorobiphenyl	*61.6*		*15.0-120*		*12/28/2023 07:01*	WG2196541
(S) 2,4,6-Tribromophenol	*103*		*10.0-127*		*12/28/2023 07:01*	WG2196541
(S) p-Terphenyl-d14	*60.4*		*10.0-120*		*12/28/2023 07:01*	WG2196541

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.0		1	12/28/2023 08:49	WG2196646

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	01/02/2024 05:43	WG2196921

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0513	1	12/29/2023 19:58	WG2196944

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND	J3 J6 O1	3.85	5	01/04/2024 18:30	WG2196908
Arsenic	3.02		1.28	5	01/04/2024 18:30	WG2196908
Barium	123		3.21	5	01/04/2024 18:30	WG2196908
Beryllium	ND		3.21	5	01/04/2024 18:30	WG2196908
Cadmium	ND		1.28	5	01/04/2024 18:30	WG2196908
Chromium	26.1		6.41	5	01/04/2024 18:30	WG2196908
Cobalt	12.4		1.28	5	01/04/2024 18:30	WG2196908
Copper	18.5		6.41	5	01/04/2024 18:30	WG2196908
Lead	27.8		2.56	5	01/04/2024 18:30	WG2196908
Manganese	373	J6	3.21	5	01/04/2024 18:30	WG2196908
Nickel	36.8	J6	3.21	5	01/04/2024 18:30	WG2196908
Selenium	ND		3.21	5	01/04/2024 18:30	WG2196908
Silver	ND		0.641	5	01/04/2024 18:30	WG2196908
Thallium	ND		2.56	5	01/04/2024 18:30	WG2196908
Vanadium	35.4		3.21	5	01/04/2024 18:30	WG2196908
Zinc	57.8		32.1	5	01/04/2024 18:30	WG2196908

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	0.0887	C3 J3	0.0788	1.01	12/31/2023 17:47	WG2198157
Acrylonitrile	ND	J3	0.0197	1.01	12/31/2023 17:47	WG2198157
Benzene	ND		0.00158	1.01	12/31/2023 17:47	WG2198157
Bromobenzene	ND		0.0197	1.01	12/31/2023 17:47	WG2198157
Bromodichloromethane	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
Bromoform	ND		0.0395	1.01	12/31/2023 17:47	WG2198157
Bromomethane	ND		0.0197	1.01	12/31/2023 17:47	WG2198157
n-Butylbenzene	ND		0.0197	1.01	12/31/2023 17:47	WG2198157
sec-Butylbenzene	ND		0.0197	1.01	12/31/2023 17:47	WG2198157
tert-Butylbenzene	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
Carbon tetrachloride	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
Chlorobenzene	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
Chlorodibromomethane	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
Chloroethane	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
Chloroform	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
Chloromethane	ND	J4	0.0197	1.01	12/31/2023 17:47	WG2198157
2-Chlorotoluene	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
4-Chlorotoluene	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
1,2-Dibromo-3-Chloropropane	ND		0.0395	1.01	12/31/2023 17:47	WG2198157

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		0.00395	1.01	12/31/2023 17:47	WG2198157
Dibromomethane	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
1,2-Dichlorobenzene	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
1,3-Dichlorobenzene	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
1,4-Dichlorobenzene	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
Dichlorodifluoromethane	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
1,1-Dichloroethane	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
1,2-Dichloroethane	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
1,1-Dichloroethene	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
cis-1,2-Dichloroethene	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
trans-1,2-Dichloroethene	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
1,2-Dichloropropane	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
1,1-Dichloropropene	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
1,3-Dichloropropane	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
cis-1,3-Dichloropropene	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
trans-1,3-Dichloropropene	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
2,2-Dichloropropane	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
Di-isopropyl ether	ND		0.00158	1.01	12/31/2023 17:47	WG2198157
Ethylbenzene	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
Hexachloro-1,3-butadiene	ND		0.0395	1.01	12/31/2023 17:47	WG2198157
Isopropylbenzene	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
p-Isopropyltoluene	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
2-Butanone (MEK)	ND		0.158	1.01	12/31/2023 17:47	WG2198157
Methylene Chloride	ND		0.0395	1.01	12/31/2023 17:47	WG2198157
4-Methyl-2-pentanone (MIBK)	ND		0.0395	1.01	12/31/2023 17:47	WG2198157
Methyl tert-butyl ether	ND		0.00158	1.01	12/31/2023 17:47	WG2198157
Naphthalene	ND		0.0197	1.01	12/31/2023 17:47	WG2198157
n-Propylbenzene	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
Styrene	ND		0.0197	1.01	12/31/2023 17:47	WG2198157
1,1,1,2-Tetrachloroethane	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
1,1,2,2-Tetrachloroethane	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
Tetrachloroethene	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
Toluene	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
1,2,3-Trichlorobenzene	ND		0.0197	1.01	12/31/2023 17:47	WG2198157
1,2,4-Trichlorobenzene	ND		0.0197	1.01	12/31/2023 17:47	WG2198157
1,1,1-Trichloroethane	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
1,1,2-Trichloroethane	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
Trichloroethene	ND		0.00158	1.01	12/31/2023 17:47	WG2198157
Trichlorofluoromethane	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
1,2,3-Trichloropropane	ND		0.0197	1.01	12/31/2023 17:47	WG2198157
1,2,4-Trimethylbenzene	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
1,3,5-Trimethylbenzene	ND		0.00788	1.01	12/31/2023 17:47	WG2198157
Vinyl chloride	ND		0.00395	1.01	12/31/2023 17:47	WG2198157
Xylenes, Total	ND		0.0102	1.01	12/31/2023 17:47	WG2198157
(S) Toluene-d8	*103*		*75.0-131*		*12/31/2023 17:47*	WG2198157
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*12/31/2023 17:47*	WG2198157
(S) 1,2-Dichloroethane-d4	*105*		*70.0-130*		*12/31/2023 17:47*	WG2198157

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	12/28/2023 07:22	WG2196541
Acenaphthylene	ND		0.0427	1	12/28/2023 07:22	WG2196541
Anthracene	ND		0.0427	1	12/28/2023 07:22	WG2196541
Benzidine	ND		2.14	1	12/28/2023 07:22	WG2196541
Benzo(a)anthracene	0.0769		0.0427	1	12/28/2023 07:22	WG2196541

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	0.0809		0.0427	1	12/28/2023 07:22	WG2196541
Benzo(k)fluoranthene	ND		0.0427	1	12/28/2023 07:22	WG2196541
Benzo(g,h,i)perylene	ND		0.0427	1	12/28/2023 07:22	WG2196541
Benzo(a)pyrene	0.0641		0.0427	1	12/28/2023 07:22	WG2196541
Bis(2-chlorethoxy)methane	ND		0.427	1	12/28/2023 07:22	WG2196541
Bis(2-chloroethyl)ether	ND		0.427	1	12/28/2023 07:22	WG2196541
2,2-Oxybis(1-Chloropropane)	ND		0.427	1	12/28/2023 07:22	WG2196541
4-Bromophenyl-phenylether	ND		0.427	1	12/28/2023 07:22	WG2196541
2-Chloronaphthalene	ND		0.0427	1	12/28/2023 07:22	WG2196541
4-Chlorophenyl-phenylether	ND		0.427	1	12/28/2023 07:22	WG2196541
Chrysene	0.0699		0.0427	1	12/28/2023 07:22	WG2196541
Dibenz(a,h)anthracene	ND		0.0427	1	12/28/2023 07:22	WG2196541
3,3-Dichlorobenzidine	ND		0.427	1	12/28/2023 07:22	WG2196541
2,4-Dinitrotoluene	ND		0.427	1	12/28/2023 07:22	WG2196541
2,6-Dinitrotoluene	ND		0.427	1	12/28/2023 07:22	WG2196541
Fluoranthene	0.197		0.0427	1	12/28/2023 07:22	WG2196541
Fluorene	ND		0.0427	1	12/28/2023 07:22	WG2196541
Hexachlorobenzene	ND		0.427	1	12/28/2023 07:22	WG2196541
Hexachloro-1,3-butadiene	ND		0.427	1	12/28/2023 07:22	WG2196541
Hexachlorocyclopentadiene	ND		0.427	1	12/28/2023 07:22	WG2196541
Hexachloroethane	ND		0.427	1	12/28/2023 07:22	WG2196541
Indeno(1,2,3-cd)pyrene	ND		0.0427	1	12/28/2023 07:22	WG2196541
Isophorone	ND		0.427	1	12/28/2023 07:22	WG2196541
Naphthalene	ND		0.0427	1	12/28/2023 07:22	WG2196541
Nitrobenzene	ND		0.427	1	12/28/2023 07:22	WG2196541
n-Nitrosodimethylamine	ND	C3	0.427	1	12/28/2023 07:22	WG2196541
n-Nitrosodiphenylamine	ND		0.427	1	12/28/2023 07:22	WG2196541
n-Nitrosodi-n-propylamine	ND	C3	0.427	1	12/28/2023 07:22	WG2196541
Phenanthrene	0.142		0.0427	1	12/28/2023 07:22	WG2196541
Benzylbutyl phthalate	ND	C3	0.427	1	12/28/2023 07:22	WG2196541
Bis(2-ethylhexyl)phthalate	ND	C3 J4	0.427	1	12/28/2023 07:22	WG2196541
Di-n-butyl phthalate	ND	C3	0.427	1	12/28/2023 07:22	WG2196541
Diethyl phthalate	ND		0.427	1	12/28/2023 07:22	WG2196541
Dimethyl phthalate	ND		0.427	1	12/28/2023 07:22	WG2196541
Di-n-octyl phthalate	ND	C3 J4	0.427	1	12/28/2023 07:22	WG2196541
Pyrene	0.142		0.0427	1	12/28/2023 07:22	WG2196541
1,2,4-Trichlorobenzene	ND		0.427	1	12/28/2023 07:22	WG2196541
4-Chloro-3-methylphenol	ND		0.427	1	12/28/2023 07:22	WG2196541
2-Chlorophenol	ND		0.427	1	12/28/2023 07:22	WG2196541
2,4-Dichlorophenol	ND		0.427	1	12/28/2023 07:22	WG2196541
2,4-Dimethylphenol	ND		0.427	1	12/28/2023 07:22	WG2196541
4,6-Dinitro-2-methylphenol	ND		0.427	1	12/28/2023 07:22	WG2196541
2,4-Dinitrophenol	ND		0.427	1	12/28/2023 07:22	WG2196541
2-Nitrophenol	ND		0.427	1	12/28/2023 07:22	WG2196541
4-Nitrophenol	ND		0.427	1	12/28/2023 07:22	WG2196541
Pentachlorophenol	ND		0.427	1	12/28/2023 07:22	WG2196541
Phenol	ND		0.427	1	12/28/2023 07:22	WG2196541
2,4,6-Trichlorophenol	ND		0.427	1	12/28/2023 07:22	WG2196541
(S) 2-Fluorophenol	*45.8*		*12.0-120*		*12/28/2023 07:22*	WG2196541
(S) Phenol-d5	*41.8*		*10.0-120*		*12/28/2023 07:22*	WG2196541
(S) Nitrobenzene-d5	*46.5*		*10.0-122*		*12/28/2023 07:22*	WG2196541
(S) 2-Fluorobiphenyl	*48.7*		*15.0-120*		*12/28/2023 07:22*	WG2196541
(S) 2,4,6-Tribromophenol	*85.5*		*10.0-127*		*12/28/2023 07:22*	WG2196541
(S) p-Terphenyl-d14	*49.7*		*10.0-120*		*12/28/2023 07:22*	WG2196541

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	12/28/2023 08:49	WG2196646

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Lead	36.3		2.32	5	01/04/2024 19:20	WG2196908

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 J3	0.0674	1	12/31/2023 18:06	WG2198157
Acrylonitrile	ND	J3	0.0168	1	12/31/2023 18:06	WG2198157
Benzene	ND		0.00135	1	12/31/2023 18:06	WG2198157
Bromobenzene	ND		0.0168	1	12/31/2023 18:06	WG2198157
Bromodichloromethane	ND		0.00337	1	12/31/2023 18:06	WG2198157
Bromoform	ND		0.0337	1	12/31/2023 18:06	WG2198157
Bromomethane	ND		0.0168	1	12/31/2023 18:06	WG2198157
n-Butylbenzene	ND		0.0168	1	12/31/2023 18:06	WG2198157
sec-Butylbenzene	ND		0.0168	1	12/31/2023 18:06	WG2198157
tert-Butylbenzene	ND		0.00674	1	12/31/2023 18:06	WG2198157
Carbon tetrachloride	ND		0.00674	1	12/31/2023 18:06	WG2198157
Chlorobenzene	ND		0.00337	1	12/31/2023 18:06	WG2198157
Chlorodibromomethane	ND		0.00337	1	12/31/2023 18:06	WG2198157
Chloroethane	ND		0.00674	1	12/31/2023 18:06	WG2198157
Chloroform	ND		0.00337	1	12/31/2023 18:06	WG2198157
Chloromethane	ND	J4	0.0168	1	12/31/2023 18:06	WG2198157
2-Chlorotoluene	ND		0.00337	1	12/31/2023 18:06	WG2198157
4-Chlorotoluene	ND		0.00674	1	12/31/2023 18:06	WG2198157
1,2-Dibromo-3-Chloropropane	ND		0.0337	1	12/31/2023 18:06	WG2198157
1,2-Dibromoethane	ND		0.00337	1	12/31/2023 18:06	WG2198157
Dibromomethane	ND		0.00674	1	12/31/2023 18:06	WG2198157
1,2-Dichlorobenzene	ND		0.00674	1	12/31/2023 18:06	WG2198157
1,3-Dichlorobenzene	ND		0.00674	1	12/31/2023 18:06	WG2198157
1,4-Dichlorobenzene	ND		0.00674	1	12/31/2023 18:06	WG2198157
Dichlorodifluoromethane	ND		0.00674	1	12/31/2023 18:06	WG2198157
1,1-Dichloroethane	ND		0.00337	1	12/31/2023 18:06	WG2198157
1,2-Dichloroethane	ND		0.00337	1	12/31/2023 18:06	WG2198157
1,1-Dichloroethene	ND		0.00337	1	12/31/2023 18:06	WG2198157
cis-1,2-Dichloroethene	ND		0.00337	1	12/31/2023 18:06	WG2198157
trans-1,2-Dichloroethene	ND		0.00674	1	12/31/2023 18:06	WG2198157
1,2-Dichloropropane	ND		0.00674	1	12/31/2023 18:06	WG2198157
1,1-Dichloropropene	ND		0.00337	1	12/31/2023 18:06	WG2198157
1,3-Dichloropropane	ND		0.00674	1	12/31/2023 18:06	WG2198157
cis-1,3-Dichloropropene	ND		0.00337	1	12/31/2023 18:06	WG2198157
trans-1,3-Dichloropropene	ND		0.00674	1	12/31/2023 18:06	WG2198157
2,2-Dichloropropane	ND		0.00337	1	12/31/2023 18:06	WG2198157
Di-isopropyl ether	ND		0.00135	1	12/31/2023 18:06	WG2198157
Ethylbenzene	ND		0.00337	1	12/31/2023 18:06	WG2198157
Hexachloro-1,3-butadiene	ND		0.0337	1	12/31/2023 18:06	WG2198157
Isopropylbenzene	ND		0.00337	1	12/31/2023 18:06	WG2198157
p-Isopropyltoluene	ND		0.00674	1	12/31/2023 18:06	WG2198157
2-Butanone (MEK)	ND		0.135	1	12/31/2023 18:06	WG2198157
Methylene Chloride	ND		0.0337	1	12/31/2023 18:06	WG2198157
4-Methyl-2-pentanone (MIBK)	ND		0.0337	1	12/31/2023 18:06	WG2198157
Methyl tert-butyl ether	ND		0.00135	1	12/31/2023 18:06	WG2198157

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Naphthalene	ND		0.0168	1	12/31/2023 18:06	WG2198157
n-Propylbenzene	ND		0.00674	1	12/31/2023 18:06	WG2198157
Styrene	ND		0.0168	1	12/31/2023 18:06	WG2198157
1,1,1,2-Tetrachloroethane	ND		0.00337	1	12/31/2023 18:06	WG2198157
1,1,2,2-Tetrachloroethane	ND		0.00337	1	12/31/2023 18:06	WG2198157
Tetrachloroethene	ND		0.00337	1	12/31/2023 18:06	WG2198157
Toluene	ND		0.00674	1	12/31/2023 18:06	WG2198157
1,2,3-Trichlorobenzene	ND		0.0168	1	12/31/2023 18:06	WG2198157
1,2,4-Trichlorobenzene	ND		0.0168	1	12/31/2023 18:06	WG2198157
1,1,1-Trichloroethane	ND		0.00337	1	12/31/2023 18:06	WG2198157
1,1,2-Trichloroethane	ND		0.00337	1	12/31/2023 18:06	WG2198157
Trichloroethene	ND		0.00135	1	12/31/2023 18:06	WG2198157
Trichlorofluoromethane	ND		0.00337	1	12/31/2023 18:06	WG2198157
1,2,3-Trichloropropane	ND		0.0168	1	12/31/2023 18:06	WG2198157
1,2,4-Trimethylbenzene	ND		0.00674	1	12/31/2023 18:06	WG2198157
1,3,5-Trimethylbenzene	ND		0.00674	1	12/31/2023 18:06	WG2198157
Vinyl chloride	ND		0.00337	1	12/31/2023 18:06	WG2198157
Xylenes, Total	ND		0.00876	1	12/31/2023 18:06	WG2198157
(S) Toluene-d8	*103*		*75.0-131*		*12/31/2023 18:06*	WG2198157
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*12/31/2023 18:06*	WG2198157
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*12/31/2023 18:06*	WG2198157

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.3		1	12/28/2023 08:49	WG2196646

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	01/02/2024 05:49	WG2196921

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0475	1	12/29/2023 20:01	WG2196944

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.56	5	01/04/2024 19:24	WG2196908
Arsenic	1.69		1.19	5	01/04/2024 19:24	WG2196908
Barium	52.1		2.97	5	01/04/2024 19:24	WG2196908
Beryllium	ND		2.97	5	01/04/2024 19:24	WG2196908
Cadmium	ND		1.19	5	01/04/2024 19:24	WG2196908
Chromium	10.5		5.93	5	01/04/2024 19:24	WG2196908
Cobalt	4.83		1.19	5	01/04/2024 19:24	WG2196908
Copper	ND		5.93	5	01/04/2024 19:24	WG2196908
Lead	14.2		2.37	5	01/04/2024 19:24	WG2196908
Manganese	121		2.97	5	01/04/2024 19:24	WG2196908
Nickel	6.35		2.97	5	01/04/2024 19:24	WG2196908
Selenium	ND		2.97	5	01/04/2024 19:24	WG2196908
Silver	ND		0.593	5	01/04/2024 19:24	WG2196908
Thallium	ND		2.37	5	01/04/2024 19:24	WG2196908
Vanadium	16.6		2.97	5	01/04/2024 19:24	WG2196908
Zinc	ND		29.7	5	01/04/2024 19:24	WG2196908

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	0.133	C3 J3	0.0690	1	12/31/2023 18:26	WG2198157
Acrylonitrile	ND	J3	0.0172	1	12/31/2023 18:26	WG2198157
Benzene	ND		0.00138	1	12/31/2023 18:26	WG2198157
Bromobenzene	ND		0.0172	1	12/31/2023 18:26	WG2198157
Bromodichloromethane	ND		0.00345	1	12/31/2023 18:26	WG2198157
Bromoform	ND		0.0345	1	12/31/2023 18:26	WG2198157
Bromomethane	ND		0.0172	1	12/31/2023 18:26	WG2198157
n-Butylbenzene	ND		0.0172	1	12/31/2023 18:26	WG2198157
sec-Butylbenzene	ND		0.0172	1	12/31/2023 18:26	WG2198157
tert-Butylbenzene	ND		0.00690	1	12/31/2023 18:26	WG2198157
Carbon tetrachloride	ND		0.00690	1	12/31/2023 18:26	WG2198157
Chlorobenzene	ND		0.00345	1	12/31/2023 18:26	WG2198157
Chlorodibromomethane	ND		0.00345	1	12/31/2023 18:26	WG2198157
Chloroethane	ND		0.00690	1	12/31/2023 18:26	WG2198157
Chloroform	ND		0.00345	1	12/31/2023 18:26	WG2198157
Chloromethane	ND	J4	0.0172	1	12/31/2023 18:26	WG2198157
2-Chlorotoluene	ND		0.00345	1	12/31/2023 18:26	WG2198157
4-Chlorotoluene	ND		0.00690	1	12/31/2023 18:26	WG2198157
1,2-Dibromo-3-Chloropropane	ND		0.0345	1	12/31/2023 18:26	WG2198157

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	12/31/2023 18:26	WG2198157
Dibromomethane	ND		0.00690	1	12/31/2023 18:26	WG2198157
1,2-Dichlorobenzene	ND		0.00690	1	12/31/2023 18:26	WG2198157
1,3-Dichlorobenzene	ND		0.00690	1	12/31/2023 18:26	WG2198157
1,4-Dichlorobenzene	ND		0.00690	1	12/31/2023 18:26	WG2198157
Dichlorodifluoromethane	ND		0.00690	1	12/31/2023 18:26	WG2198157
1,1-Dichloroethane	ND		0.00345	1	12/31/2023 18:26	WG2198157
1,2-Dichloroethane	ND		0.00345	1	12/31/2023 18:26	WG2198157
1,1-Dichloroethene	ND		0.00345	1	12/31/2023 18:26	WG2198157
cis-1,2-Dichloroethene	ND		0.00345	1	12/31/2023 18:26	WG2198157
trans-1,2-Dichloroethene	ND		0.00690	1	12/31/2023 18:26	WG2198157
1,2-Dichloropropane	ND		0.00690	1	12/31/2023 18:26	WG2198157
1,1-Dichloropropene	ND		0.00345	1	12/31/2023 18:26	WG2198157
1,3-Dichloropropane	ND		0.00690	1	12/31/2023 18:26	WG2198157
cis-1,3-Dichloropropene	ND		0.00345	1	12/31/2023 18:26	WG2198157
trans-1,3-Dichloropropene	ND		0.00690	1	12/31/2023 18:26	WG2198157
2,2-Dichloropropane	ND		0.00345	1	12/31/2023 18:26	WG2198157
Di-isopropyl ether	ND		0.00138	1	12/31/2023 18:26	WG2198157
Ethylbenzene	ND		0.00345	1	12/31/2023 18:26	WG2198157
Hexachloro-1,3-butadiene	ND		0.0345	1	12/31/2023 18:26	WG2198157
Isopropylbenzene	ND		0.00345	1	12/31/2023 18:26	WG2198157
p-Isopropyltoluene	0.00735		0.00690	1	12/31/2023 18:26	WG2198157
2-Butanone (MEK)	ND		0.138	1	12/31/2023 18:26	WG2198157
Methylene Chloride	ND		0.0345	1	12/31/2023 18:26	WG2198157
4-Methyl-2-pentanone (MIBK)	ND		0.0345	1	12/31/2023 18:26	WG2198157
Methyl tert-butyl ether	ND		0.00138	1	12/31/2023 18:26	WG2198157
Naphthalene	ND		0.0172	1	12/31/2023 18:26	WG2198157
n-Propylbenzene	ND		0.00690	1	12/31/2023 18:26	WG2198157
Styrene	ND		0.0172	1	12/31/2023 18:26	WG2198157
1,1,1,2-Tetrachloroethane	ND		0.00345	1	12/31/2023 18:26	WG2198157
1,1,2,2-Tetrachloroethane	ND		0.00345	1	12/31/2023 18:26	WG2198157
Tetrachloroethene	ND		0.00345	1	12/31/2023 18:26	WG2198157
Toluene	ND		0.00690	1	12/31/2023 18:26	WG2198157
1,2,3-Trichlorobenzene	ND		0.0172	1	12/31/2023 18:26	WG2198157
1,2,4-Trichlorobenzene	ND		0.0172	1	12/31/2023 18:26	WG2198157
1,1,1-Trichloroethane	ND		0.00345	1	12/31/2023 18:26	WG2198157
1,1,2-Trichloroethane	ND		0.00345	1	12/31/2023 18:26	WG2198157
Trichloroethene	ND		0.00138	1	12/31/2023 18:26	WG2198157
Trichlorofluoromethane	ND		0.00345	1	12/31/2023 18:26	WG2198157
1,2,3-Trichloropropane	ND		0.0172	1	12/31/2023 18:26	WG2198157
1,2,4-Trimethylbenzene	ND		0.00690	1	12/31/2023 18:26	WG2198157
1,3,5-Trimethylbenzene	ND		0.00690	1	12/31/2023 18:26	WG2198157
Vinyl chloride	ND		0.00345	1	12/31/2023 18:26	WG2198157
Xylenes, Total	ND		0.00897	1	12/31/2023 18:26	WG2198157
(S) Toluene-d8	*102*		*75.0-131*		*12/31/2023 18:26*	WG2198157
(S) 4-Bromofluorobenzene	*102*		*67.0-138*		*12/31/2023 18:26*	WG2198157
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*12/31/2023 18:26*	WG2198157

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		0.0395	1	12/28/2023 05:57	WG2196541
Acenaphthylene	ND		0.0395	1	12/28/2023 05:57	WG2196541
Anthracene	ND		0.0395	1	12/28/2023 05:57	WG2196541
Benzidine	ND		1.98	1	12/28/2023 05:57	WG2196541
Benzo(a)anthracene	ND		0.0395	1	12/28/2023 05:57	WG2196541

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		0.0395	1	12/28/2023 05:57	WG2196541
Benzo(k)fluoranthene	ND		0.0395	1	12/28/2023 05:57	WG2196541
Benzo(g,h,i)perylene	ND		0.0395	1	12/28/2023 05:57	WG2196541
Benzo(a)pyrene	ND		0.0395	1	12/28/2023 05:57	WG2196541
Bis(2-chlorethoxy)methane	ND		0.395	1	12/28/2023 05:57	WG2196541
Bis(2-chloroethyl)ether	ND		0.395	1	12/28/2023 05:57	WG2196541
2,2-Oxybis(1-Chloropropane)	ND		0.395	1	12/28/2023 05:57	WG2196541
4-Bromophenyl-phenylether	ND		0.395	1	12/28/2023 05:57	WG2196541
2-Chloronaphthalene	ND		0.0395	1	12/28/2023 05:57	WG2196541
4-Chlorophenyl-phenylether	ND		0.395	1	12/28/2023 05:57	WG2196541
Chrysene	ND		0.0395	1	12/28/2023 05:57	WG2196541
Dibenz(a,h)anthracene	ND		0.0395	1	12/28/2023 05:57	WG2196541
3,3-Dichlorobenzidine	ND		0.395	1	12/28/2023 05:57	WG2196541
2,4-Dinitrotoluene	ND		0.395	1	12/28/2023 05:57	WG2196541
2,6-Dinitrotoluene	ND		0.395	1	12/28/2023 05:57	WG2196541
Fluoranthene	ND		0.0395	1	12/28/2023 05:57	WG2196541
Fluorene	ND		0.0395	1	12/28/2023 05:57	WG2196541
Hexachlorobenzene	ND		0.395	1	12/28/2023 05:57	WG2196541
Hexachloro-1,3-butadiene	ND		0.395	1	12/28/2023 05:57	WG2196541
Hexachlorocyclopentadiene	ND		0.395	1	12/28/2023 05:57	WG2196541
Hexachloroethane	ND		0.395	1	12/28/2023 05:57	WG2196541
Indeno(1,2,3-cd)pyrene	ND		0.0395	1	12/28/2023 05:57	WG2196541
Isophorone	ND		0.395	1	12/28/2023 05:57	WG2196541
Naphthalene	ND		0.0395	1	12/28/2023 05:57	WG2196541
Nitrobenzene	ND		0.395	1	12/28/2023 05:57	WG2196541
n-Nitrosodimethylamine	ND	C3	0.395	1	12/28/2023 05:57	WG2196541
n-Nitrosodiphenylamine	ND		0.395	1	12/28/2023 05:57	WG2196541
n-Nitrosodi-n-propylamine	ND	C3	0.395	1	12/28/2023 05:57	WG2196541
Phenanthrene	ND		0.0395	1	12/28/2023 05:57	WG2196541
Benzylbutyl phthalate	ND	C3	0.395	1	12/28/2023 05:57	WG2196541
Bis(2-ethylhexyl)phthalate	ND	C3 J4	0.395	1	12/28/2023 05:57	WG2196541
Di-n-butyl phthalate	ND	C3	0.395	1	12/28/2023 05:57	WG2196541
Diethyl phthalate	ND		0.395	1	12/28/2023 05:57	WG2196541
Dimethyl phthalate	ND		0.395	1	12/28/2023 05:57	WG2196541
Di-n-octyl phthalate	ND	C3 J4	0.395	1	12/28/2023 05:57	WG2196541
Pyrene	ND		0.0395	1	12/28/2023 05:57	WG2196541
1,2,4-Trichlorobenzene	ND		0.395	1	12/28/2023 05:57	WG2196541
4-Chloro-3-methylphenol	ND		0.395	1	12/28/2023 05:57	WG2196541
2-Chlorophenol	ND		0.395	1	12/28/2023 05:57	WG2196541
2,4-Dichlorophenol	ND		0.395	1	12/28/2023 05:57	WG2196541
2,4-Dimethylphenol	ND		0.395	1	12/28/2023 05:57	WG2196541
4,6-Dinitro-2-methylphenol	ND		0.395	1	12/28/2023 05:57	WG2196541
2,4-Dinitrophenol	ND		0.395	1	12/28/2023 05:57	WG2196541
2-Nitrophenol	ND		0.395	1	12/28/2023 05:57	WG2196541
4-Nitrophenol	ND		0.395	1	12/28/2023 05:57	WG2196541
Pentachlorophenol	ND		0.395	1	12/28/2023 05:57	WG2196541
Phenol	ND		0.395	1	12/28/2023 05:57	WG2196541
2,4,6-Trichlorophenol	ND		0.395	1	12/28/2023 05:57	WG2196541
(S) 2-Fluorophenol	*52.1*		*12.0-120*		*12/28/2023 05:57*	WG2196541
(S) Phenol-d5	*48.5*		*10.0-120*		*12/28/2023 05:57*	WG2196541
(S) Nitrobenzene-d5	*55.0*		*10.0-122*		*12/28/2023 05:57*	WG2196541
(S) 2-Fluorobiphenyl	*58.4*		*15.0-120*		*12/28/2023 05:57*	WG2196541
(S) 2,4,6-Tribromophenol	*88.8*		*10.0-127*		*12/28/2023 05:57*	WG2196541
(S) p-Terphenyl-d14	*57.2*		*10.0-120*		*12/28/2023 05:57*	WG2196541

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.0		1	12/28/2023 08:41	WG2196652

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	01/02/2024 05:55	WG2196921

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0476	1	12/29/2023 20:04	WG2196944

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.57	5	01/04/2024 19:27	WG2196908
Arsenic	1.80		1.19	5	01/04/2024 19:27	WG2196908
Barium	49.5		2.98	5	01/04/2024 19:27	WG2196908
Beryllium	ND		2.98	5	01/04/2024 19:27	WG2196908
Cadmium	ND		1.19	5	01/04/2024 19:27	WG2196908
Chromium	18.1		5.95	5	01/04/2024 19:27	WG2196908
Cobalt	5.17		1.19	5	01/04/2024 19:27	WG2196908
Copper	7.71		5.95	5	01/04/2024 19:27	WG2196908
Lead	27.3		2.38	5	01/04/2024 19:27	WG2196908
Manganese	180		2.98	5	01/04/2024 19:27	WG2196908
Nickel	10.6		2.98	5	01/04/2024 19:27	WG2196908
Selenium	ND		2.98	5	01/04/2024 19:27	WG2196908
Silver	ND		0.595	5	01/04/2024 19:27	WG2196908
Thallium	ND		2.38	5	01/04/2024 19:27	WG2196908
Vanadium	22.7		2.98	5	01/04/2024 19:27	WG2196908
Zinc	32.4		29.8	5	01/04/2024 19:27	WG2196908

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 J3	0.0701	1	12/31/2023 18:45	WG2198157
Acrylonitrile	ND	J3	0.0175	1	12/31/2023 18:45	WG2198157
Benzene	ND		0.00140	1	12/31/2023 18:45	WG2198157
Bromobenzene	ND		0.0175	1	12/31/2023 18:45	WG2198157
Bromodichloromethane	ND		0.00350	1	12/31/2023 18:45	WG2198157
Bromoform	ND		0.0350	1	12/31/2023 18:45	WG2198157
Bromomethane	ND		0.0175	1	12/31/2023 18:45	WG2198157
n-Butylbenzene	ND		0.0175	1	12/31/2023 18:45	WG2198157
sec-Butylbenzene	ND		0.0175	1	12/31/2023 18:45	WG2198157
tert-Butylbenzene	ND		0.00701	1	12/31/2023 18:45	WG2198157
Carbon tetrachloride	ND		0.00701	1	12/31/2023 18:45	WG2198157
Chlorobenzene	ND		0.00350	1	12/31/2023 18:45	WG2198157
Chlorodibromomethane	ND		0.00350	1	12/31/2023 18:45	WG2198157
Chloroethane	ND		0.00701	1	12/31/2023 18:45	WG2198157
Chloroform	ND		0.00350	1	12/31/2023 18:45	WG2198157
Chloromethane	ND	J4	0.0175	1	12/31/2023 18:45	WG2198157
2-Chlorotoluene	ND		0.00350	1	12/31/2023 18:45	WG2198157
4-Chlorotoluene	ND		0.00701	1	12/31/2023 18:45	WG2198157
1,2-Dibromo-3-Chloropropane	ND		0.0350	1	12/31/2023 18:45	WG2198157

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	12/31/2023 18:45	WG2198157
Dibromomethane	ND		0.00701	1	12/31/2023 18:45	WG2198157
1,2-Dichlorobenzene	ND		0.00701	1	12/31/2023 18:45	WG2198157
1,3-Dichlorobenzene	ND		0.00701	1	12/31/2023 18:45	WG2198157
1,4-Dichlorobenzene	ND		0.00701	1	12/31/2023 18:45	WG2198157
Dichlorodifluoromethane	ND		0.00701	1	12/31/2023 18:45	WG2198157
1,1-Dichloroethane	ND		0.00350	1	12/31/2023 18:45	WG2198157
1,2-Dichloroethane	ND		0.00350	1	12/31/2023 18:45	WG2198157
1,1-Dichloroethene	ND		0.00350	1	12/31/2023 18:45	WG2198157
cis-1,2-Dichloroethene	ND		0.00350	1	12/31/2023 18:45	WG2198157
trans-1,2-Dichloroethene	ND		0.00701	1	12/31/2023 18:45	WG2198157
1,2-Dichloropropane	ND		0.00701	1	12/31/2023 18:45	WG2198157
1,1-Dichloropropene	ND		0.00350	1	12/31/2023 18:45	WG2198157
1,3-Dichloropropane	ND		0.00701	1	12/31/2023 18:45	WG2198157
cis-1,3-Dichloropropene	ND		0.00350	1	12/31/2023 18:45	WG2198157
trans-1,3-Dichloropropene	ND		0.00701	1	12/31/2023 18:45	WG2198157
2,2-Dichloropropane	ND		0.00350	1	12/31/2023 18:45	WG2198157
Di-isopropyl ether	ND		0.00140	1	12/31/2023 18:45	WG2198157
Ethylbenzene	ND		0.00350	1	12/31/2023 18:45	WG2198157
Hexachloro-1,3-butadiene	ND		0.0350	1	12/31/2023 18:45	WG2198157
Isopropylbenzene	ND		0.00350	1	12/31/2023 18:45	WG2198157
p-Isopropyltoluene	ND		0.00701	1	12/31/2023 18:45	WG2198157
2-Butanone (MEK)	ND		0.140	1	12/31/2023 18:45	WG2198157
Methylene Chloride	ND		0.0350	1	12/31/2023 18:45	WG2198157
4-Methyl-2-pentanone (MIBK)	ND		0.0350	1	12/31/2023 18:45	WG2198157
Methyl tert-butyl ether	ND		0.00140	1	12/31/2023 18:45	WG2198157
Naphthalene	ND		0.0175	1	12/31/2023 18:45	WG2198157
n-Propylbenzene	ND		0.00701	1	12/31/2023 18:45	WG2198157
Styrene	ND		0.0175	1	12/31/2023 18:45	WG2198157
1,1,1,2-Tetrachloroethane	ND		0.00350	1	12/31/2023 18:45	WG2198157
1,1,2,2-Tetrachloroethane	ND		0.00350	1	12/31/2023 18:45	WG2198157
Tetrachloroethene	ND		0.00350	1	12/31/2023 18:45	WG2198157
Toluene	ND		0.00701	1	12/31/2023 18:45	WG2198157
1,2,3-Trichlorobenzene	ND		0.0175	1	12/31/2023 18:45	WG2198157
1,2,4-Trichlorobenzene	ND		0.0175	1	12/31/2023 18:45	WG2198157
1,1,1-Trichloroethane	ND		0.00350	1	12/31/2023 18:45	WG2198157
1,1,2-Trichloroethane	ND		0.00350	1	12/31/2023 18:45	WG2198157
Trichloroethene	ND		0.00140	1	12/31/2023 18:45	WG2198157
Trichlorofluoromethane	ND		0.00350	1	12/31/2023 18:45	WG2198157
1,2,3-Trichloropropane	ND		0.0175	1	12/31/2023 18:45	WG2198157
1,2,4-Trimethylbenzene	ND		0.00701	1	12/31/2023 18:45	WG2198157
1,3,5-Trimethylbenzene	ND		0.00701	1	12/31/2023 18:45	WG2198157
Vinyl chloride	ND		0.00350	1	12/31/2023 18:45	WG2198157
Xylenes, Total	ND		0.00911	1	12/31/2023 18:45	WG2198157
(S) Toluene-d8	*103*		*75.0-131*		*12/31/2023 18:45*	WG2198157
(S) 4-Bromofluorobenzene	*104*		*67.0-138*		*12/31/2023 18:45*	WG2198157
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*12/31/2023 18:45*	WG2198157

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	12/28/2023 07:44	WG2196541
Acenaphthylene	ND		0.0397	1	12/28/2023 07:44	WG2196541
Anthracene	ND		0.0397	1	12/28/2023 07:44	WG2196541
Benzidine	ND		1.99	1	12/28/2023 07:44	WG2196541
Benzo(a)anthracene	0.0794		0.0397	1	12/28/2023 07:44	WG2196541

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	0.110		0.0397	1	12/28/2023 07:44	WG2196541
Benzo(k)fluoranthene	ND		0.0397	1	12/28/2023 07:44	WG2196541
Benzo(g,h,i)perylene	0.0443		0.0397	1	12/28/2023 07:44	WG2196541
Benzo(a)pyrene	0.0830		0.0397	1	12/28/2023 07:44	WG2196541
Bis(2-chlorethoxy)methane	ND		0.397	1	12/28/2023 07:44	WG2196541
Bis(2-chloroethyl)ether	ND		0.397	1	12/28/2023 07:44	WG2196541
2,2-Oxybis(1-Chloropropane)	ND		0.397	1	12/28/2023 07:44	WG2196541
4-Bromophenyl-phenylether	ND		0.397	1	12/28/2023 07:44	WG2196541
2-Chloronaphthalene	ND		0.0397	1	12/28/2023 07:44	WG2196541
4-Chlorophenyl-phenylether	ND		0.397	1	12/28/2023 07:44	WG2196541
Chrysene	0.0924		0.0397	1	12/28/2023 07:44	WG2196541
Dibenz(a,h)anthracene	ND		0.0397	1	12/28/2023 07:44	WG2196541
3,3-Dichlorobenzidine	ND		0.397	1	12/28/2023 07:44	WG2196541
2,4-Dinitrotoluene	ND		0.397	1	12/28/2023 07:44	WG2196541
2,6-Dinitrotoluene	ND		0.397	1	12/28/2023 07:44	WG2196541
Fluoranthene	0.217		0.0397	1	12/28/2023 07:44	WG2196541
Fluorene	ND		0.0397	1	12/28/2023 07:44	WG2196541
Hexachlorobenzene	ND		0.397	1	12/28/2023 07:44	WG2196541
Hexachloro-1,3-butadiene	ND		0.397	1	12/28/2023 07:44	WG2196541
Hexachlorocyclopentadiene	ND		0.397	1	12/28/2023 07:44	WG2196541
Hexachloroethane	ND		0.397	1	12/28/2023 07:44	WG2196541
Indeno(1,2,3-cd)pyrene	0.0505		0.0397	1	12/28/2023 07:44	WG2196541
Isophorone	ND		0.397	1	12/28/2023 07:44	WG2196541
Naphthalene	ND		0.0397	1	12/28/2023 07:44	WG2196541
Nitrobenzene	ND		0.397	1	12/28/2023 07:44	WG2196541
n-Nitrosodimethylamine	ND	C3	0.397	1	12/28/2023 07:44	WG2196541
n-Nitrosodiphenylamine	ND		0.397	1	12/28/2023 07:44	WG2196541
n-Nitrosodi-n-propylamine	ND	C3	0.397	1	12/28/2023 07:44	WG2196541
Phenanthrene	0.103		0.0397	1	12/28/2023 07:44	WG2196541
Benzylbutyl phthalate	ND	C3	0.397	1	12/28/2023 07:44	WG2196541
Bis(2-ethylhexyl)phthalate	ND	C3 J4	0.397	1	12/28/2023 07:44	WG2196541
Di-n-butyl phthalate	ND	C3	0.397	1	12/28/2023 07:44	WG2196541
Diethyl phthalate	ND		0.397	1	12/28/2023 07:44	WG2196541
Dimethyl phthalate	ND		0.397	1	12/28/2023 07:44	WG2196541
Di-n-octyl phthalate	ND	C3 J4	0.397	1	12/28/2023 07:44	WG2196541
Pyrene	0.155		0.0397	1	12/28/2023 07:44	WG2196541
1,2,4-Trichlorobenzene	ND		0.397	1	12/28/2023 07:44	WG2196541
4-Chloro-3-methylphenol	ND		0.397	1	12/28/2023 07:44	WG2196541
2-Chlorophenol	ND		0.397	1	12/28/2023 07:44	WG2196541
2,4-Dichlorophenol	ND		0.397	1	12/28/2023 07:44	WG2196541
2,4-Dimethylphenol	ND		0.397	1	12/28/2023 07:44	WG2196541
4,6-Dinitro-2-methylphenol	ND		0.397	1	12/28/2023 07:44	WG2196541
2,4-Dinitrophenol	ND		0.397	1	12/28/2023 07:44	WG2196541
2-Nitrophenol	ND		0.397	1	12/28/2023 07:44	WG2196541
4-Nitrophenol	ND		0.397	1	12/28/2023 07:44	WG2196541
Pentachlorophenol	ND		0.397	1	12/28/2023 07:44	WG2196541
Phenol	ND		0.397	1	12/28/2023 07:44	WG2196541
2,4,6-Trichlorophenol	ND		0.397	1	12/28/2023 07:44	WG2196541
(S) 2-Fluorophenol	*58.1*		*12.0-120*		*12/28/2023 07:44*	WG2196541
(S) Phenol-d5	*55.3*		*10.0-120*		*12/28/2023 07:44*	WG2196541
(S) Nitrobenzene-d5	*60.4*		*10.0-122*		*12/28/2023 07:44*	WG2196541
(S) 2-Fluorobiphenyl	*63.7*		*15.0-120*		*12/28/2023 07:44*	WG2196541
(S) 2,4,6-Tribromophenol	*112*		*10.0-127*		*12/28/2023 07:44*	WG2196541
(S) p-Terphenyl-d14	*64.3*		*10.0-120*		*12/28/2023 07:44*	WG2196541

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.8		1	12/28/2023 08:41	WG2196652

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	01/02/2024 06:07	WG2196921

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0471	1	12/29/2023 20:06	WG2196944

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.54	5	01/04/2024 19:30	WG2196908
Arsenic	1.98		1.18	5	01/04/2024 19:30	WG2196908
Barium	31.2		2.95	5	01/04/2024 19:30	WG2196908
Beryllium	ND		2.95	5	01/04/2024 19:30	WG2196908
Cadmium	ND		1.18	5	01/04/2024 19:30	WG2196908
Chromium	10.7		5.89	5	01/04/2024 19:30	WG2196908
Cobalt	5.17		1.18	5	01/04/2024 19:30	WG2196908
Copper	ND		5.89	5	01/04/2024 19:30	WG2196908
Lead	14.9		2.36	5	01/04/2024 19:30	WG2196908
Manganese	265		2.95	5	01/04/2024 19:30	WG2196908
Nickel	5.45		2.95	5	01/04/2024 19:30	WG2196908
Selenium	ND		2.95	5	01/04/2024 19:30	WG2196908
Silver	ND		0.589	5	01/04/2024 19:30	WG2196908
Thallium	ND		2.36	5	01/04/2024 19:30	WG2196908
Vanadium	18.2		2.95	5	01/04/2024 19:30	WG2196908
Zinc	ND		29.5	5	01/04/2024 19:30	WG2196908

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 J3	0.0699	1	12/31/2023 19:04	WG2198157
Acrylonitrile	ND	J3	0.0175	1	12/31/2023 19:04	WG2198157
Benzene	ND		0.00140	1	12/31/2023 19:04	WG2198157
Bromobenzene	ND		0.0175	1	12/31/2023 19:04	WG2198157
Bromodichloromethane	ND		0.00349	1	12/31/2023 19:04	WG2198157
Bromoform	ND		0.0349	1	12/31/2023 19:04	WG2198157
Bromomethane	ND		0.0175	1	12/31/2023 19:04	WG2198157
n-Butylbenzene	ND		0.0175	1	12/31/2023 19:04	WG2198157
sec-Butylbenzene	ND		0.0175	1	12/31/2023 19:04	WG2198157
tert-Butylbenzene	ND		0.00699	1	12/31/2023 19:04	WG2198157
Carbon tetrachloride	ND		0.00699	1	12/31/2023 19:04	WG2198157
Chlorobenzene	ND		0.00349	1	12/31/2023 19:04	WG2198157
Chlorodibromomethane	ND		0.00349	1	12/31/2023 19:04	WG2198157
Chloroethane	ND		0.00699	1	12/31/2023 19:04	WG2198157
Chloroform	ND		0.00349	1	12/31/2023 19:04	WG2198157
Chloromethane	ND	J4	0.0175	1	12/31/2023 19:04	WG2198157
2-Chlorotoluene	ND		0.00349	1	12/31/2023 19:04	WG2198157
4-Chlorotoluene	ND		0.00699	1	12/31/2023 19:04	WG2198157
1,2-Dibromo-3-Chloropropane	ND		0.0349	1	12/31/2023 19:04	WG2198157

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	12/31/2023 19:04	WG2198157
Dibromomethane	ND		0.00699	1	12/31/2023 19:04	WG2198157
1,2-Dichlorobenzene	ND		0.00699	1	12/31/2023 19:04	WG2198157
1,3-Dichlorobenzene	ND		0.00699	1	12/31/2023 19:04	WG2198157
1,4-Dichlorobenzene	ND		0.00699	1	12/31/2023 19:04	WG2198157
Dichlorodifluoromethane	ND		0.00699	1	12/31/2023 19:04	WG2198157
1,1-Dichloroethane	ND		0.00349	1	12/31/2023 19:04	WG2198157
1,2-Dichloroethane	ND		0.00349	1	12/31/2023 19:04	WG2198157
1,1-Dichloroethene	ND		0.00349	1	12/31/2023 19:04	WG2198157
cis-1,2-Dichloroethene	ND		0.00349	1	12/31/2023 19:04	WG2198157
trans-1,2-Dichloroethene	ND		0.00699	1	12/31/2023 19:04	WG2198157
1,2-Dichloropropane	ND		0.00699	1	12/31/2023 19:04	WG2198157
1,1-Dichloropropene	ND		0.00349	1	12/31/2023 19:04	WG2198157
1,3-Dichloropropane	ND		0.00699	1	12/31/2023 19:04	WG2198157
cis-1,3-Dichloropropene	ND		0.00349	1	12/31/2023 19:04	WG2198157
trans-1,3-Dichloropropene	ND		0.00699	1	12/31/2023 19:04	WG2198157
2,2-Dichloropropane	ND		0.00349	1	12/31/2023 19:04	WG2198157
Di-isopropyl ether	ND		0.00140	1	12/31/2023 19:04	WG2198157
Ethylbenzene	ND		0.00349	1	12/31/2023 19:04	WG2198157
Hexachloro-1,3-butadiene	ND		0.0349	1	12/31/2023 19:04	WG2198157
Isopropylbenzene	ND		0.00349	1	12/31/2023 19:04	WG2198157
p-Isopropyltoluene	ND		0.00699	1	12/31/2023 19:04	WG2198157
2-Butanone (MEK)	ND		0.140	1	12/31/2023 19:04	WG2198157
Methylene Chloride	ND		0.0349	1	12/31/2023 19:04	WG2198157
4-Methyl-2-pentanone (MIBK)	ND		0.0349	1	12/31/2023 19:04	WG2198157
Methyl tert-butyl ether	ND		0.00140	1	12/31/2023 19:04	WG2198157
Naphthalene	ND		0.0175	1	12/31/2023 19:04	WG2198157
n-Propylbenzene	ND		0.00699	1	12/31/2023 19:04	WG2198157
Styrene	ND		0.0175	1	12/31/2023 19:04	WG2198157
1,1,1,2-Tetrachloroethane	ND		0.00349	1	12/31/2023 19:04	WG2198157
1,1,2,2-Tetrachloroethane	ND		0.00349	1	12/31/2023 19:04	WG2198157
Tetrachloroethene	ND		0.00349	1	12/31/2023 19:04	WG2198157
Toluene	ND		0.00699	1	12/31/2023 19:04	WG2198157
1,2,3-Trichlorobenzene	ND		0.0175	1	12/31/2023 19:04	WG2198157
1,2,4-Trichlorobenzene	ND		0.0175	1	12/31/2023 19:04	WG2198157
1,1,1-Trichloroethane	ND		0.00349	1	12/31/2023 19:04	WG2198157
1,1,2-Trichloroethane	ND		0.00349	1	12/31/2023 19:04	WG2198157
Trichloroethene	ND		0.00140	1	12/31/2023 19:04	WG2198157
Trichlorofluoromethane	ND		0.00349	1	12/31/2023 19:04	WG2198157
1,2,3-Trichloropropane	ND		0.0175	1	12/31/2023 19:04	WG2198157
1,2,4-Trimethylbenzene	ND		0.00699	1	12/31/2023 19:04	WG2198157
1,3,5-Trimethylbenzene	ND		0.00699	1	12/31/2023 19:04	WG2198157
Vinyl chloride	ND		0.00349	1	12/31/2023 19:04	WG2198157
Xylenes, Total	ND		0.00909	1	12/31/2023 19:04	WG2198157
(S) Toluene-d8	*103*		*75.0-131*		*12/31/2023 19:04*	WG2198157
(S) 4-Bromofluorobenzene	*105*		*67.0-138*		*12/31/2023 19:04*	WG2198157
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*12/31/2023 19:04*	WG2198157

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	12/28/2023 05:36	WG2196541
Acenaphthylene	ND		0.0392	1	12/28/2023 05:36	WG2196541
Anthracene	ND		0.0392	1	12/28/2023 05:36	WG2196541
Benzidine	ND		1.97	1	12/28/2023 05:36	WG2196541
Benzo(a)anthracene	ND		0.0392	1	12/28/2023 05:36	WG2196541

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		0.0392	1	12/28/2023 05:36	WG2196541
Benzo(k)fluoranthene	ND		0.0392	1	12/28/2023 05:36	WG2196541
Benzo(g,h,i)perylene	ND		0.0392	1	12/28/2023 05:36	WG2196541
Benzo(a)pyrene	ND		0.0392	1	12/28/2023 05:36	WG2196541
Bis(2-chlorethoxy)methane	ND		0.392	1	12/28/2023 05:36	WG2196541
Bis(2-chloroethyl)ether	ND		0.392	1	12/28/2023 05:36	WG2196541
2,2-Oxybis(1-Chloropropane)	ND		0.392	1	12/28/2023 05:36	WG2196541
4-Bromophenyl-phenylether	ND		0.392	1	12/28/2023 05:36	WG2196541
2-Chloronaphthalene	ND		0.0392	1	12/28/2023 05:36	WG2196541
4-Chlorophenyl-phenylether	ND		0.392	1	12/28/2023 05:36	WG2196541
Chrysene	ND		0.0392	1	12/28/2023 05:36	WG2196541
Dibenz(a,h)anthracene	ND		0.0392	1	12/28/2023 05:36	WG2196541
3,3-Dichlorobenzidine	ND		0.392	1	12/28/2023 05:36	WG2196541
2,4-Dinitrotoluene	ND		0.392	1	12/28/2023 05:36	WG2196541
2,6-Dinitrotoluene	ND		0.392	1	12/28/2023 05:36	WG2196541
Fluoranthene	ND		0.0392	1	12/28/2023 05:36	WG2196541
Fluorene	ND		0.0392	1	12/28/2023 05:36	WG2196541
Hexachlorobenzene	ND		0.392	1	12/28/2023 05:36	WG2196541
Hexachloro-1,3-butadiene	ND		0.392	1	12/28/2023 05:36	WG2196541
Hexachlorocyclopentadiene	ND		0.392	1	12/28/2023 05:36	WG2196541
Hexachloroethane	ND		0.392	1	12/28/2023 05:36	WG2196541
Indeno(1,2,3-cd)pyrene	ND		0.0392	1	12/28/2023 05:36	WG2196541
Isophorone	ND		0.392	1	12/28/2023 05:36	WG2196541
Naphthalene	ND		0.0392	1	12/28/2023 05:36	WG2196541
Nitrobenzene	ND		0.392	1	12/28/2023 05:36	WG2196541
n-Nitrosodimethylamine	ND	C3	0.392	1	12/28/2023 05:36	WG2196541
n-Nitrosodiphenylamine	ND		0.392	1	12/28/2023 05:36	WG2196541
n-Nitrosodi-n-propylamine	ND	C3	0.392	1	12/28/2023 05:36	WG2196541
Phenanthrene	ND		0.0392	1	12/28/2023 05:36	WG2196541
Benzylbutyl phthalate	ND	C3	0.392	1	12/28/2023 05:36	WG2196541
Bis(2-ethylhexyl)phthalate	ND	C3 J4	0.392	1	12/28/2023 05:36	WG2196541
Di-n-butyl phthalate	ND	C3	0.392	1	12/28/2023 05:36	WG2196541
Diethyl phthalate	ND		0.392	1	12/28/2023 05:36	WG2196541
Dimethyl phthalate	ND		0.392	1	12/28/2023 05:36	WG2196541
Di-n-octyl phthalate	ND	C3 J4	0.392	1	12/28/2023 05:36	WG2196541
Pyrene	ND		0.0392	1	12/28/2023 05:36	WG2196541
1,2,4-Trichlorobenzene	ND		0.392	1	12/28/2023 05:36	WG2196541
4-Chloro-3-methylphenol	ND		0.392	1	12/28/2023 05:36	WG2196541
2-Chlorophenol	ND		0.392	1	12/28/2023 05:36	WG2196541
2,4-Dichlorophenol	ND		0.392	1	12/28/2023 05:36	WG2196541
2,4-Dimethylphenol	ND		0.392	1	12/28/2023 05:36	WG2196541
4,6-Dinitro-2-methylphenol	ND		0.392	1	12/28/2023 05:36	WG2196541
2,4-Dinitrophenol	ND		0.392	1	12/28/2023 05:36	WG2196541
2-Nitrophenol	ND		0.392	1	12/28/2023 05:36	WG2196541
4-Nitrophenol	ND		0.392	1	12/28/2023 05:36	WG2196541
Pentachlorophenol	ND		0.392	1	12/28/2023 05:36	WG2196541
Phenol	ND		0.392	1	12/28/2023 05:36	WG2196541
2,4,6-Trichlorophenol	ND		0.392	1	12/28/2023 05:36	WG2196541
(S) 2-Fluorophenol	*52.4*		*12.0-120*		*12/28/2023 05:36*	WG2196541
(S) Phenol-d5	*49.2*		*10.0-120*		*12/28/2023 05:36*	WG2196541
(S) Nitrobenzene-d5	*53.9*		*10.0-122*		*12/28/2023 05:36*	WG2196541
(S) 2-Fluorobiphenyl	*55.8*		*15.0-120*		*12/28/2023 05:36*	WG2196541
(S) 2,4,6-Tribromophenol	*89.6*		*10.0-127*		*12/28/2023 05:36*	WG2196541
(S) p-Terphenyl-d14	*55.8*		*10.0-120*		*12/28/2023 05:36*	WG2196541

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	12/31/2023 20:36	WG2198932
Acrolein	ND	C3	50.0	1	12/31/2023 20:36	WG2198932
Acrylonitrile	ND	C3	10.0	1	12/31/2023 20:36	WG2198932
Benzene	ND		1.00	1	12/31/2023 20:36	WG2198932
Bromobenzene	ND		1.00	1	12/31/2023 20:36	WG2198932
Bromodichloromethane	ND		1.00	1	12/31/2023 20:36	WG2198932
Bromoform	ND		1.00	1	12/31/2023 20:36	WG2198932
Bromomethane	ND	C3	5.00	1	12/31/2023 20:36	WG2198932
n-Butylbenzene	ND		1.00	1	12/31/2023 20:36	WG2198932
sec-Butylbenzene	ND		1.00	1	12/31/2023 20:36	WG2198932
tert-Butylbenzene	ND		1.00	1	12/31/2023 20:36	WG2198932
Carbon tetrachloride	ND		1.00	1	12/31/2023 20:36	WG2198932
Chlorobenzene	ND		1.00	1	12/31/2023 20:36	WG2198932
Chlorodibromomethane	ND		1.00	1	12/31/2023 20:36	WG2198932
Chloroethane	ND		5.00	1	12/31/2023 20:36	WG2198932
Chloroform	ND		5.00	1	12/31/2023 20:36	WG2198932
Chloromethane	ND		2.50	1	12/31/2023 20:36	WG2198932
2-Chlorotoluene	ND		1.00	1	12/31/2023 20:36	WG2198932
4-Chlorotoluene	ND		1.00	1	12/31/2023 20:36	WG2198932
1,2-Dibromo-3-Chloropropane	ND		5.00	1	12/31/2023 20:36	WG2198932
1,2-Dibromoethane	ND	C3	1.00	1	12/31/2023 20:36	WG2198932
Dibromomethane	ND		1.00	1	12/31/2023 20:36	WG2198932
1,2-Dichlorobenzene	ND		1.00	1	12/31/2023 20:36	WG2198932
1,3-Dichlorobenzene	ND		1.00	1	12/31/2023 20:36	WG2198932
1,4-Dichlorobenzene	ND		1.00	1	12/31/2023 20:36	WG2198932
Dichlorodifluoromethane	ND	J4	5.00	1	12/31/2023 20:36	WG2198932
1,1-Dichloroethane	ND		1.00	1	12/31/2023 20:36	WG2198932
1,2-Dichloroethane	ND		1.00	1	12/31/2023 20:36	WG2198932
1,1-Dichloroethene	ND	J4	1.00	1	12/31/2023 20:36	WG2198932
cis-1,2-Dichloroethene	ND		1.00	1	12/31/2023 20:36	WG2198932
trans-1,2-Dichloroethene	ND		1.00	1	12/31/2023 20:36	WG2198932
1,2-Dichloropropane	ND		1.00	1	12/31/2023 20:36	WG2198932
1,1-Dichloropropene	ND		1.00	1	12/31/2023 20:36	WG2198932
1,3-Dichloropropane	ND		1.00	1	12/31/2023 20:36	WG2198932
cis-1,3-Dichloropropene	ND		1.00	1	12/31/2023 20:36	WG2198932
trans-1,3-Dichloropropene	ND	C3	1.00	1	12/31/2023 20:36	WG2198932
2,2-Dichloropropane	ND		1.00	1	12/31/2023 20:36	WG2198932
Di-isopropyl ether	ND		1.00	1	12/31/2023 20:36	WG2198932
Ethylbenzene	ND		1.00	1	12/31/2023 20:36	WG2198932
Hexachloro-1,3-butadiene	ND		1.00	1	12/31/2023 20:36	WG2198932
Isopropylbenzene	ND		1.00	1	12/31/2023 20:36	WG2198932
p-Isopropyltoluene	ND		1.00	1	12/31/2023 20:36	WG2198932
2-Butanone (MEK)	ND		10.0	1	12/31/2023 20:36	WG2198932
Methylene Chloride	ND		5.00	1	12/31/2023 20:36	WG2198932
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	12/31/2023 20:36	WG2198932
Methyl tert-butyl ether	ND		1.00	1	12/31/2023 20:36	WG2198932
Naphthalene	ND	C3	5.00	1	12/31/2023 20:36	WG2198932
n-Propylbenzene	ND		1.00	1	12/31/2023 20:36	WG2198932
Styrene	ND	C3 J4	1.00	1	12/31/2023 20:36	WG2198932
1,1,1,2-Tetrachloroethane	ND		1.00	1	12/31/2023 20:36	WG2198932
1,1,2,2-Tetrachloroethane	ND		1.00	1	12/31/2023 20:36	WG2198932
Tetrachloroethene	ND		1.00	1	12/31/2023 20:36	WG2198932
Toluene	ND		1.00	1	12/31/2023 20:36	WG2198932
1,2,3-Trichlorobenzene	ND		1.00	1	12/31/2023 20:36	WG2198932
1,2,4-Trichlorobenzene	ND		1.00	1	12/31/2023 20:36	WG2198932
1,1,1-Trichloroethane	ND		1.00	1	12/31/2023 20:36	WG2198932

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	12/31/2023 20:36	WG2198932
Trichloroethene	ND		1.00	1	12/31/2023 20:36	WG2198932
Trichlorofluoromethane	ND		5.00	1	12/31/2023 20:36	WG2198932
1,2,3-Trichloropropane	ND		2.50	1	12/31/2023 20:36	WG2198932
1,2,4-Trimethylbenzene	ND		1.00	1	12/31/2023 20:36	WG2198932
1,3,5-Trimethylbenzene	ND		1.00	1	12/31/2023 20:36	WG2198932
Vinyl chloride	ND	J4	1.00	1	12/31/2023 20:36	WG2198932
Xylenes, Total	ND		3.00	1	12/31/2023 20:36	WG2198932
(S) Toluene-d8	*107*		*80.0-120*		*12/31/2023 20:36*	WG2198932
(S) 4-Bromofluorobenzene	*98.0*		*77.0-126*		*12/31/2023 20:36*	WG2198932
(S) 1,2-Dichloroethane-d4	*95.9*		*70.0-130*		*12/31/2023 20:36*	WG2198932

Method Blank (MB)

(MB) R4017949-1 12/28/23 08:49

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

L1691026-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1691026-06 12/28/23 08:49 • (DUP) R4017949-3 12/28/23 08:49

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	77.5	76.7	1	1.05		10

Laboratory Control Sample (LCS)

(LCS) R4017949-2 12/28/23 08:49

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

Method Blank (MB)

(MB) R4017947-1 12/28/23 08:41

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

L1691026-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1691026-11 12/28/23 08:41 • (DUP) R4017947-3 12/28/23 08:41

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	84.0	84.3	1	0.400		10

Laboratory Control Sample (LCS)

(LCS) R4017947-2 12/28/23 08:41

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

QUALITY CONTROL SUMMARY

L1691026-02,03,04,05,06,07,08,10,11,12

Method Blank (MB)

(MB) R4018645-1 01/02/24 04:14

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

L1691026-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1691026-11 01/02/24 05:55 • (DUP) R4018645-3 01/02/24 06:01

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

L1691168-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1691168-05 01/02/24 07:40 • (DUP) R4018645-8 01/02/24 07:59

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	3.55	2.22	1	46.3	P1	20

Laboratory Control Sample (LCS)

(LCS) R4018645-2 01/02/24 04:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	10.4	104	80.0-120	

L1691057-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1691057-01 01/02/24 06:57 • (MS) R4018645-5 01/02/24 07:09 • (MSD) R4018645-6 01/02/24 07:16

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.0	ND	11.7	14.5	58.6	72.3	1	75.0-125	J6	J3 J6	20.9	20

L1691057-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1691057-01 01/02/24 06:57 • (MS) R4018645-9 01/02/24 07:22

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	648	ND	561	86.5	50	75.0-125	

Method Blank (MB)

(MB) R4018358-1 12/29/23 19:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4018358-2 12/29/23 19:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.533	107	80.0-120	

L1691026-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1691026-03 12/29/23 19:27 • (MS) R4018358-3 12/29/23 19:33 • (MSD) R4018358-4 12/29/23 19:35

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.673	0.0578	0.619	0.624	83.4	84.0	1	75.0-125			0.679	20

QUALITY CONTROL SUMMARY

L1691026-01,02,03,04,05,06,07,08,09,10,11,12

Method Blank (MB)

(MB) R4019920-1 01/04/24 18:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	0.378	J	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	0.322	J	0.133	5.00
Lead	U		0.0990	2.00
Manganese	0.650	J	0.269	2.50
Nickel	U		0.197	2.50
Selenium	U		0.180	2.50
Silver	U		0.0865	0.500
Thallium	U		0.0650	2.00
Vanadium	U		0.187	2.50
Zinc	U		0.740	25.0

Laboratory Control Sample (LCS)

(LCS) R4019920-2 01/04/24 18:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	112	112	80.0-120	
Arsenic	100	98.2	98.2	80.0-120	
Barium	100	92.3	92.3	80.0-120	
Beryllium	100	97.3	97.3	80.0-120	
Cadmium	100	95.5	95.5	80.0-120	
Chromium	100	99.5	99.5	80.0-120	
Cobalt	100	99.0	99.0	80.0-120	
Copper	100	84.0	84.0	80.0-120	
Lead	100	94.5	94.5	80.0-120	
Manganese	100	100	100	80.0-120	
Nickel	100	98.4	98.4	80.0-120	
Selenium	100	103	103	80.0-120	
Silver	20.0	19.9	99.4	80.0-120	
Thallium	100	92.2	92.2	80.0-120	
Vanadium	100	97.5	97.5	80.0-120	
Zinc	100	96.1	96.1	80.0-120	

L1691026-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1691026-08 01/04/24 18:30 • (MS) R4019920-5 01/04/24 18:40 • (MSD) R4019920-6 01/04/24 18:43

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	128	ND	51.8	38.9	40.1	30.0	5	75.0-125	J6	J3 J6	28.4	20
Arsenic	128	3.02	130	114	99.0	86.2	5	75.0-125			13.5	20
Barium	128	123	267	236	112	88.4	5	75.0-125			12.2	20
Beryllium	128	ND	142	127	110	97.9	5	75.0-125			11.2	20
Cadmium	128	ND	135	119	105	93.0	5	75.0-125			12.1	20
Chromium	128	26.1	159	139	104	87.9	5	75.0-125			13.8	20
Cobalt	128	12.4	140	123	99.7	86.2	5	75.0-125			13.2	20
Copper	128	18.5	137	124	92.2	82.1	5	75.0-125			10.0	20
Lead	128	27.8	150	146	95.6	92.1	5	75.0-125			2.97	20
Manganese	128	373	443	375	54.9	1.67	5	75.0-125	J6	J6	16.7	20
Nickel	128	36.8	151	132	88.9	74.4	5	75.0-125		J6	13.2	20
Selenium	128	ND	138	120	107	93.2	5	75.0-125			14.0	20
Silver	25.6	ND	27.4	24.2	107	94.4	5	75.0-125			12.5	20
Thallium	128	ND	123	115	95.7	89.8	5	75.0-125			6.34	20
Vanadium	128	35.4	165	145	101	85.5	5	75.0-125			12.9	20
Zinc	128	57.8	183	163	97.9	82.1	5	75.0-125			11.7	20

Method Blank (MB)

(MB) R4018907-3 12/31/23 14:17

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	0.00178	J	0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4018907-3 12/31/23 14:17

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	0.00228	J	0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	0.00117	J	0.000880	0.00650
(S) Toluene-d8	*103*			*75.0-131*
(S) 4-Bromofluorobenzene	*106*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

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

(LCS) R4018907-1 12/31/23 12:35 • (LCSD) R4018907-2 12/31/23 12:54

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	0.272	0.918	43.5	147	10.0-160		J3	109	31
Acrylonitrile	0.625	0.527	0.864	84.3	138	45.0-153		J3	48.5	22
Benzene	0.125	0.139	0.137	111	110	70.0-123			1.45	20
Bromobenzene	0.125	0.132	0.133	106	106	73.0-121			0.755	20
Bromodichloromethane	0.125	0.115	0.119	92.0	95.2	73.0-121			3.42	20
Bromoform	0.125	0.102	0.107	81.6	85.6	64.0-132			4.78	20
Bromomethane	0.125	0.148	0.143	118	114	56.0-147			3.44	20

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

(LCS) R4018907-1 12/31/23 12:35 • (LCSD) R4018907-2 12/31/23 12:54

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	0.135	0.115	108	92.0	68.0-135			16.0	20
sec-Butylbenzene	0.125	0.134	0.126	107	101	74.0-130			6.15	20
tert-Butylbenzene	0.125	0.135	0.133	108	106	75.0-127			1.49	20
Carbon tetrachloride	0.125	0.134	0.127	107	102	66.0-128			5.36	20
Chlorobenzene	0.125	0.130	0.130	104	104	76.0-128			0.000	20
Chlorodibromomethane	0.125	0.129	0.126	103	101	74.0-127			2.35	20
Chloroethane	0.125	0.167	0.165	134	132	61.0-134			1.20	20
Chloroform	0.125	0.125	0.127	100	102	72.0-123			1.59	20
Chloromethane	0.125	0.171	0.177	137	142	51.0-138		J4	3.45	20
2-Chlorotoluene	0.125	0.128	0.130	102	104	75.0-124			1.55	20
4-Chlorotoluene	0.125	0.130	0.127	104	102	75.0-124			2.33	20
1,2-Dibromo-3-Chloropropane	0.125	0.107	0.109	85.6	87.2	59.0-130			1.85	20
1,2-Dibromoethane	0.125	0.134	0.141	107	113	74.0-128			5.09	20
Dibromomethane	0.125	0.127	0.134	102	107	75.0-122			5.36	20
1,2-Dichlorobenzene	0.125	0.126	0.127	101	102	76.0-124			0.791	20
1,3-Dichlorobenzene	0.125	0.129	0.127	103	102	76.0-125			1.56	20
1,4-Dichlorobenzene	0.125	0.129	0.127	103	102	77.0-121			1.56	20
Dichlorodifluoromethane	0.125	0.164	0.169	131	135	43.0-156			3.00	20
1,1-Dichloroethane	0.125	0.135	0.142	108	114	70.0-127			5.05	20
1,2-Dichloroethane	0.125	0.130	0.149	104	119	65.0-131			13.6	20
1,1-Dichloroethene	0.125	0.147	0.147	118	118	65.0-131			0.000	20
cis-1,2-Dichloroethene	0.125	0.125	0.130	100	104	73.0-125			3.92	20
trans-1,2-Dichloroethene	0.125	0.130	0.138	104	110	71.0-125			5.97	20
1,2-Dichloropropane	0.125	0.140	0.139	112	111	74.0-125			0.717	20
1,1-Dichloropropene	0.125	0.147	0.148	118	118	73.0-125			0.678	20
1,3-Dichloropropane	0.125	0.135	0.142	108	114	80.0-125			5.05	20
cis-1,3-Dichloropropene	0.125	0.125	0.127	100	102	76.0-127			1.59	20
trans-1,3-Dichloropropene	0.125	0.133	0.133	106	106	73.0-127			0.000	20
2,2-Dichloropropane	0.125	0.137	0.130	110	104	59.0-135			5.24	20
Di-isopropyl ether	0.125	0.134	0.137	107	110	60.0-136			2.21	20
Ethylbenzene	0.125	0.139	0.138	111	110	74.0-126			0.722	20
Hexachloro-1,3-butadiene	0.125	0.120	0.128	96.0	102	57.0-150			6.45	20
Isopropylbenzene	0.125	0.132	0.125	106	100	72.0-127			5.45	20
p-Isopropyltoluene	0.125	0.131	0.123	105	98.4	72.0-133			6.30	20
2-Butanone (MEK)	0.625	0.594	0.747	95.0	120	30.0-160			22.8	24
Methylene Chloride	0.125	0.120	0.128	96.0	102	68.0-123			6.45	20
4-Methyl-2-pentanone (MIBK)	0.625	0.679	0.746	109	119	56.0-143			9.40	20
Methyl tert-butyl ether	0.125	0.121	0.132	96.8	106	66.0-132			8.70	20
Naphthalene	0.125	0.115	0.112	92.0	89.6	59.0-130			2.64	20
n-Propylbenzene	0.125	0.139	0.128	111	102	74.0-126			8.24	20

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

(LCS) R4018907-1 12/31/23 12:35 • (LCSD) R4018907-2 12/31/23 12:54

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	0.131	0.132	105	106	72.0-127			0.760	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	0.121	0.120	96.8	96.0	68.0-128			0.830	20
Tetrachloroethene	0.125	0.131	0.131	105	105	70.0-136			0.000	20
Toluene	0.125	0.130	0.127	104	102	75.0-121			2.33	20
1,2,3-Trichlorobenzene	0.125	0.121	0.111	96.8	88.8	59.0-139			8.62	20
1,2,4-Trichlorobenzene	0.125	0.115	0.115	92.0	92.0	62.0-137			0.000	20
1,1,1-Trichloroethane	0.125	0.128	0.135	102	108	69.0-126			5.32	20
1,1,2-Trichloroethane	0.125	0.0999	0.106	79.9	84.8	78.0-123			5.93	20
Trichloroethene	0.125	0.137	0.145	110	116	76.0-126			5.67	20
Trichlorofluoromethane	0.125	0.137	0.133	110	106	61.0-142			2.96	20
1,2,3-Trichloropropane	0.125	0.132	0.148	106	118	67.0-129			11.4	20
1,2,4-Trimethylbenzene	0.125	0.134	0.125	107	100	70.0-126			6.95	20
1,3,5-Trimethylbenzene	0.125	0.131	0.129	105	103	73.0-127			1.54	20
Vinyl chloride	0.125	0.159	0.155	127	124	63.0-134			2.55	20
Xylenes, Total	0.375	0.394	0.382	105	102	72.0-127			3.09	20
(S) Toluene-d8				*103*	*102*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*104*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*98.0*	*106*	*70.0-130*				

Method Blank (MB)

(MB) R4018762-1 12/31/23 20:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4018762-1 12/31/23 20:14

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	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4018762-2 01/01/24 04:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	22.3	89.2	19.0-160	
Acrolein	25.0	20.2	80.8	10.0-160	
Acrylonitrile	25.0	22.8	91.2	55.0-149	
Benzene	5.00	5.48	110	70.0-123	
Bromobenzene	5.00	4.72	94.4	73.0-121	
Bromodichloromethane	5.00	4.61	92.2	75.0-120	

Laboratory Control Sample (LCS)

(LCS) R4018762-2 01/01/24 04:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	5.00	4.62	92.4	68.0-132	
Bromomethane	5.00	5.29	106	10.0-160	
n-Butylbenzene	5.00	4.73	94.6	73.0-125	
sec-Butylbenzene	5.00	5.02	100	75.0-125	
tert-Butylbenzene	5.00	5.20	104	76.0-124	
Carbon tetrachloride	5.00	5.03	101	68.0-126	
Chlorobenzene	5.00	5.62	112	80.0-121	
Chlorodibromomethane	5.00	4.84	96.8	77.0-125	
Chloroethane	5.00	5.13	103	47.0-150	
Chloroform	5.00	4.74	94.8	73.0-120	
Chloromethane	5.00	6.46	129	41.0-142	
2-Chlorotoluene	5.00	4.74	94.8	76.0-123	
4-Chlorotoluene	5.00	4.39	87.8	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.23	84.6	58.0-134	
1,2-Dibromoethane	5.00	5.41	108	80.0-122	
Dibromomethane	5.00	4.31	86.2	80.0-120	
1,2-Dichlorobenzene	5.00	5.05	101	79.0-121	
1,3-Dichlorobenzene	5.00	5.27	105	79.0-120	
1,4-Dichlorobenzene	5.00	4.10	82.0	79.0-120	
Dichlorodifluoromethane	5.00	7.53	151	51.0-149	J4
1,1-Dichloroethane	5.00	5.27	105	70.0-126	
1,2-Dichloroethane	5.00	4.72	94.4	70.0-128	
1,1-Dichloroethene	5.00	6.52	130	71.0-124	J4
cis-1,2-Dichloroethene	5.00	4.89	97.8	73.0-120	
trans-1,2-Dichloroethene	5.00	5.43	109	73.0-120	
1,2-Dichloropropane	5.00	4.76	95.2	77.0-125	
1,1-Dichloropropene	5.00	5.10	102	74.0-126	
1,3-Dichloropropane	5.00	4.96	99.2	80.0-120	
cis-1,3-Dichloropropene	5.00	4.72	94.4	80.0-123	
trans-1,3-Dichloropropene	5.00	3.94	78.8	78.0-124	
2,2-Dichloropropane	5.00	4.63	92.6	58.0-130	
Di-isopropyl ether	5.00	4.87	97.4	58.0-138	
Ethylbenzene	5.00	5.35	107	79.0-123	
Hexachloro-1,3-butadiene	5.00	5.08	102	54.0-138	
Isopropylbenzene	5.00	5.42	108	76.0-127	
p-Isopropyltoluene	5.00	5.01	100	76.0-125	
2-Butanone (MEK)	25.0	24.5	98.0	44.0-160	
Methylene Chloride	5.00	5.13	103	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	23.1	92.4	68.0-142	
Methyl tert-butyl ether	5.00	5.15	103	68.0-125	

Laboratory Control Sample (LCS)

(LCS) R4018762-2 01/01/24 04:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	5.00	3.79	75.8	54.0-135	
n-Propylbenzene	5.00	5.01	100	77.0-124	
Styrene	5.00	3.41	68.2	73.0-130	J4
1,1,1,2-Tetrachloroethane	5.00	5.48	110	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.52	90.4	65.0-130	
Tetrachloroethene	5.00	5.32	106	72.0-132	
Toluene	5.00	5.35	107	79.0-120	
1,2,3-Trichlorobenzene	5.00	4.69	93.8	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.06	81.2	57.0-137	
1,1,1-Trichloroethane	5.00	5.33	107	73.0-124	
1,1,2-Trichloroethane	5.00	5.10	102	80.0-120	
Trichloroethene	5.00	5.60	112	78.0-124	
Trichlorofluoromethane	5.00	5.73	115	59.0-147	
1,2,3-Trichloropropane	5.00	4.79	95.8	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.61	92.2	76.0-121	
1,3,5-Trimethylbenzene	5.00	5.41	108	76.0-122	
Vinyl chloride	5.00	6.65	133	67.0-131	J4
Xylenes, Total	15.0	15.2	101	79.0-123	
(S) Toluene-d8			*109*	*80.0-120*	
(S) 4-Bromofluorobenzene			*99.8*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*99.2*	*70.0-130*	

Method Blank (MB)

(MB) R4018746-2 12/28/23 02:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333

Method Blank (MB)

(MB) R4018746-2 12/28/23 02:45

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	*61.0*			*12.0-120*
(S) Phenol-d5	*57.4*			*10.0-120*
(S) Nitrobenzene-d5	*61.3*			*10.0-122*
(S) 2-Fluorobiphenyl	*67.3*			*15.0-120*
(S) 2,4,6-Tribromophenol	*84.7*			*10.0-127*
(S) p-Terphenyl-d14	*67.9*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4018746-1 12/28/23 02:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.315	47.3	38.0-120	
Acenaphthylene	0.666	0.323	48.5	40.0-120	
Anthracene	0.666	0.339	50.9	42.0-120	
Benzidine	1.33	0.314	23.6	10.0-120	
Benzo(a)anthracene	0.666	0.344	51.7	44.0-120	
Benzo(b)fluoranthene	0.666	0.352	52.9	43.0-120	
Benzo(k)fluoranthene	0.666	0.339	50.9	44.0-120	
Benzo(g,h,i)perylene	0.666	0.355	53.3	43.0-120	
Benzo(a)pyrene	0.666	0.344	51.7	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.249	37.4	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.270	40.5	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.275	41.3	23.0-120	
4-Bromophenyl-phenylether	0.666	0.370	55.6	40.0-120	
2-Chloronaphthalene	0.666	0.318	47.7	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4018746-1 12/28/23 02:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	0.666	0.384	57.7	40.0-120	
Chrysene	0.666	0.345	51.8	43.0-120	
Dibenz(a,h)anthracene	0.666	0.338	50.8	44.0-120	
3,3-Dichlorobenzidine	1.33	0.669	50.3	28.0-120	
2,4-Dinitrotoluene	0.666	0.389	58.4	45.0-120	
2,6-Dinitrotoluene	0.666	0.353	53.0	42.0-120	
Fluoranthene	0.666	0.338	50.8	44.0-120	
Fluorene	0.666	0.339	50.9	41.0-120	
Hexachlorobenzene	0.666	0.371	55.7	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.378	56.8	15.0-120	
Hexachlorocyclopentadiene	0.666	0.366	55.0	15.0-120	
Hexachloroethane	0.666	0.265	39.8	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.307	46.1	45.0-120	
Isophorone	0.666	0.255	38.3	23.0-120	
Naphthalene	0.666	0.272	40.8	18.0-120	
Nitrobenzene	0.666	0.275	41.3	17.0-120	
n-Nitrosodimethylamine	0.666	0.208	31.2	10.0-125	
n-Nitrosodiphenylamine	0.666	0.323	48.5	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.261	39.2	26.0-120	
Phenanthrene	0.666	0.336	50.5	42.0-120	
Benzylbutyl phthalate	0.666	0.267	40.1	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.260	39.0	41.0-120	J4
Di-n-butyl phthalate	0.666	0.292	43.8	43.0-120	
Diethyl phthalate	0.666	0.325	48.8	43.0-120	
Dimethyl phthalate	0.666	0.334	50.2	43.0-120	
Di-n-octyl phthalate	0.666	0.253	38.0	40.0-120	J4
Pyrene	0.666	0.339	50.9	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.332	49.8	17.0-120	
4-Chloro-3-methylphenol	0.666	0.312	46.8	28.0-120	
2-Chlorophenol	0.666	0.303	45.5	28.0-120	
2,4-Dichlorophenol	0.666	0.346	52.0	25.0-120	
2,4-Dimethylphenol	0.666	0.368	55.3	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.542	81.4	16.0-120	
2,4-Dinitrophenol	0.666	0.413	62.0	10.0-120	
2-Nitrophenol	0.666	0.372	55.9	20.0-120	
4-Nitrophenol	0.666	0.351	52.7	27.0-120	
Pentachlorophenol	0.666	0.382	57.4	29.0-120	
Phenol	0.666	0.297	44.6	28.0-120	
2,4,6-Trichlorophenol	0.666	0.439	65.9	37.0-120	
(S) 2-Fluorophenol			*47.9*	*12.0-120*	

Laboratory Control Sample (LCS)

(LCS) R4018746-1 12/28/23 02:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*44.7*	*10.0-120*	
(S) Nitrobenzene-d5			*42.6*	*10.0-122*	
(S) 2-Fluorobiphenyl			*52.0*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*73.0*	*10.0-127*	
(S) p-Terphenyl-d14			*50.5*	*10.0-120*	

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
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.
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.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
S&ME Inc. - Raleigh NC

3201 Spring Forest Road
Raleigh, NC 27616

Billing Information:
Accounts Payable
3201 Spring Forest Rd.

(smeinc_invoice@concursolution
- com)

Pres Chk

Report to:
Mr. Jerry Paul

Email To: **jpaul@smeinc.com**

Project Description:
Lyon Park

City/State Collected: Durham, NC

Please Circle: PT MT CT (ET)

Phone: **919-872-2660**

Client Project #
23050630

Lab Project #
SMERLNC-LYONPARK

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

Date Results Needed

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PBG 2ozClr-NoPres	SPLP/TCLP HOLD 4ozClr-NoPres	TS 4ozClr-NoPres	V8260 40mlAmb-HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr	SVOCs 8270	18 metals 6020	Mercury 7471	Hex Cr 7199		Remarks	Sample # (lab only)
822-SB-09	C	SS	0-1	12/21/23	1010	4	X	X	X		X							-01
822-SB-16		SS			1100	4	X	X	X		X	X	X	X	X			-02
822-SB-17		SS			1105	4	X	X	X		X	X	X	X	X			-03
822-SB-18		SS			0950	4	X	X	X		X	X	X	X	X			-04
822-SB-19					0955							X	X	X	X			-05
822-SB-26					1115							X	X	X	X			-06
822-SB-27					1110							X	X	X	X			-07
822-SB-28					0930							X	X	X	X			-08
822-SB-33					0935													-09
822-SB-43					1250							X	X	X	X			-10

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 # 169026

D096

Acctnum: **SMERLNC**
Template: **T243575**
Prelogin: **P1043721**
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 2908

Sample Receipt Checklist
Custody Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeOH TBR	If preservation required by Login: Date/Time
CP	12/21/23	1350		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: pAA8 °C 4.2 +0=4.2 Bottles Received: 48	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) TJ Reeves	Date: 12/22/23 Time: 0915	Hold: Condition: NCF / OK

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 2

1821768

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: S+ME Inc.	Report To:	Attention:
Address: 3201 Spring Forest Rd.	Copy To:	Company Name:
Raleigh, NC 27616		Address:
Email To: JPaul@Smeinc.com	Purchase Order No.:	Pace Quote Reference:
Phone: 919-872-2660 Fax:	Project Name: Lyon Park	Pace Project Manager:
Requested Due Date/TAT:	Project Number: 23050630	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: Durham, NC

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	PBC	SPLP/TCLP (HOLD)	TS	VOCs 8260	SVOCs 8270	18 Metals 6020	Mercury 7471	Hex Chrom 7199	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	B22-SB-45	SL	C	12/21/23	1230	12/21/23	1230		4	3							1		X	X	X	X	X	X	X	L169026-11
2	B22-SB-46	↓	↓	↓	1255	↓	1255		↓	3							1		↓	↓	↓	↓	↓	↓	↓	L169026-12
3	Trip Blank																				X					L169026-13
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

Sample Receipt Checklist

COC Seal Present/Intact:	Y N NP	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N	7155 0298 2908	
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N	4.270=4.2 DPAB	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	CP	12/21/23	1350	TRENK	12/22/23	0715 0930	12/22/23 TD

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Chelsea Parra

SIGNATURE of SAMPLER: CP

DATE Signed (MM/DD/YY): 12/21/23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

ANALYTICAL REPORT

February 01, 2024

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

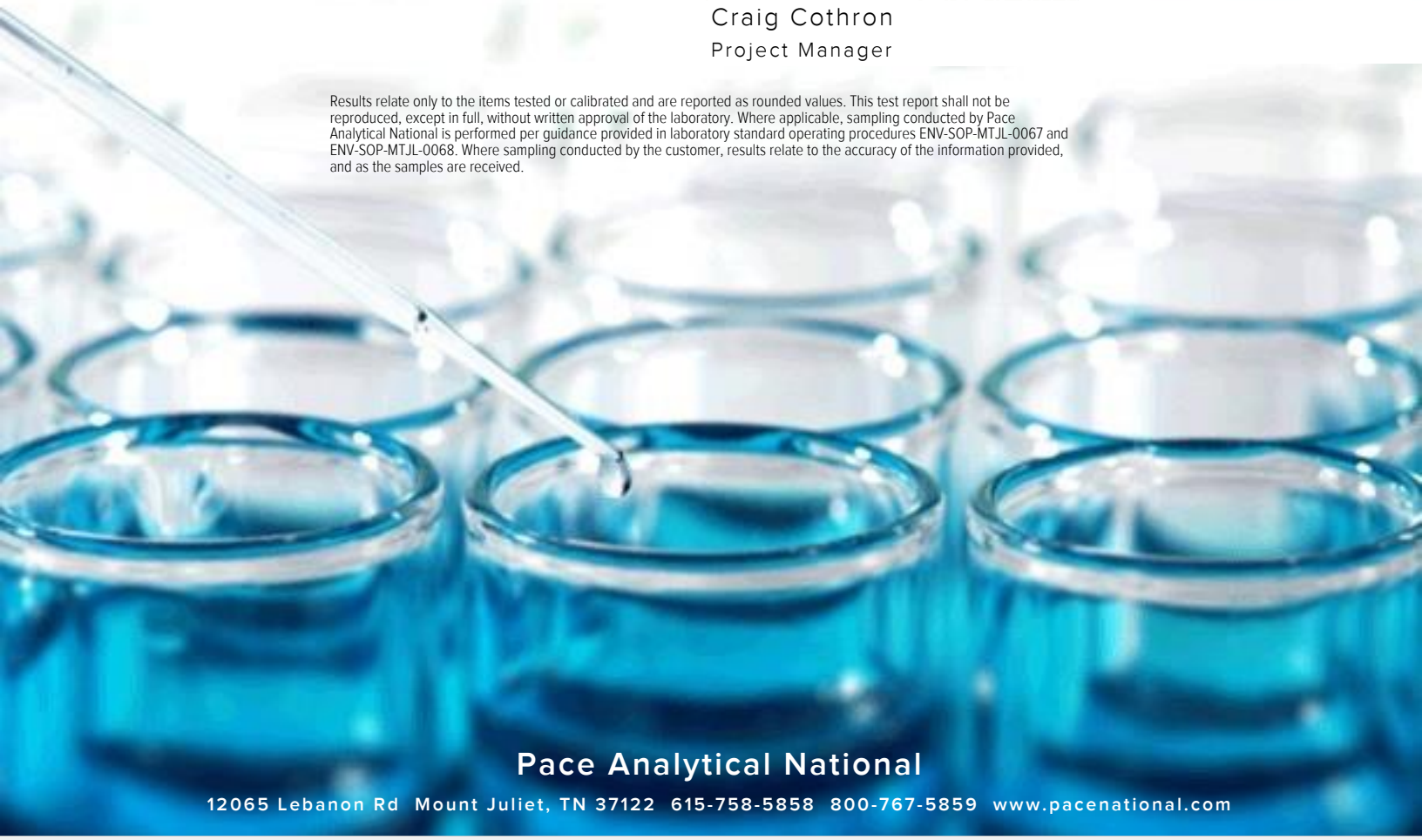
S&ME Inc. - Raleigh NC

Sample Delivery Group:	L1696754
Samples Received:	01/17/2024
Project Number:	
Description:	Lyon 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

TABLE OF CONTENTS

822-SB-06 L1696754-01 Solid

Collected by | Collected date/time 01/15/24 13:10 | Received date/time 01/17/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209047	1	01/19/24 08:41	01/19/24 08:49	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209357	1	01/19/24 13:30	01/23/24 23:40	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209301	1	01/19/24 12:49	01/20/24 14:45	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2209280	5	01/19/24 13:35	01/31/24 17:59	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2209388	1.16	01/15/24 13:10	01/19/24 19:14	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2210058	1	01/21/24 10:26	01/22/24 15:08	JCH	Mt. Juliet, TN

822-SB-07 L1696754-02 Solid

Collected by | Collected date/time 01/15/24 13:15 | Received date/time 01/17/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209047	1	01/19/24 08:41	01/19/24 08:49	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209357	1	01/19/24 13:30	01/23/24 23:58	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209301	1	01/19/24 12:49	01/20/24 14:47	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2209280	5	01/19/24 13:35	01/31/24 18:05	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2209388	1	01/15/24 13:15	01/19/24 19:34	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2210058	1	01/21/24 10:26	01/22/24 13:46	JCH	Mt. Juliet, TN

822-SB-08 L1696754-03 Solid

Collected by | Collected date/time 01/15/24 13:20 | Received date/time 01/17/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209047	1	01/19/24 08:41	01/19/24 08:49	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209357	1	01/19/24 13:30	01/24/24 00:05	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209301	1	01/19/24 12:49	01/20/24 14:54	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2209280	5	01/19/24 13:35	01/31/24 18:12	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2209388	1	01/15/24 13:20	01/19/24 19:53	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2210058	1	01/21/24 10:26	01/22/24 15:28	JCH	Mt. Juliet, TN

822-SB-15 L1696754-04 Solid

Collected by | Collected date/time 01/15/24 13:25 | Received date/time 01/17/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209047	1	01/19/24 08:41	01/19/24 08:49	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209357	1	01/19/24 13:30	01/24/24 00:11	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209301	1	01/19/24 12:49	01/20/24 14:57	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209286	20	01/20/24 07:21	01/21/24 18:53	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209286	5	01/20/24 07:21	01/21/24 18:19	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2209388	1	01/15/24 13:25	01/19/24 20:13	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2210058	1	01/21/24 10:26	01/22/24 16:50	JCH	Mt. Juliet, TN

822-SB-24 L1696754-05 Solid

Collected by | Collected date/time 01/15/24 13:35 | Received date/time 01/17/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209048	1	01/19/24 08:08	01/19/24 08:19	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209357	1	01/19/24 13:30	01/24/24 00:17	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209301	1	01/19/24 12:49	01/20/24 14:59	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209286	20	01/20/24 07:21	01/21/24 18:58	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209286	5	01/20/24 07:21	01/21/24 18:22	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2209388	1	01/15/24 13:35	01/19/24 20:33	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2210058	1	01/21/24 10:26	01/22/24 16:30	JCH	Mt. Juliet, TN

822-SB-25 L1696754-06 Solid

Collected by	Collected date/time	Received date/time
	01/15/24 13:30	01/17/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2209048	1	01/19/24 08:08	01/19/24 08:19	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2209357	1	01/19/24 13:30	01/24/24 00:23	VSS	Mt. Juliet, TN
Mercury by Method 7471B	WG2209301	1	01/19/24 12:49	01/20/24 15:02	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209286	20	01/20/24 07:21	01/21/24 19:01	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2209286	5	01/20/24 07:21	01/21/24 18:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2210221	1	01/15/24 13:30	01/21/24 14:06	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2210058	1	01/21/24 10:26	01/22/24 14:48	JCH	Mt. Juliet, TN

TRIP BLANK L1696754-07 GW

Collected by	Collected date/time	Received date/time
	01/15/24 00:00	01/17/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2209214	1	01/19/24 13:38	01/19/24 13:38	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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.5		1	01/19/2024 08:49	WG2209047

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	01/23/2024 23:40	WG2209357

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0473	1	01/20/2024 14:45	WG2209301

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.55	5	01/31/2024 17:59	WG2209280
Arsenic	2.59		1.18	5	01/31/2024 17:59	WG2209280
Barium	104		2.96	5	01/31/2024 17:59	WG2209280
Beryllium	ND		2.96	5	01/31/2024 17:59	WG2209280
Cadmium	ND		1.18	5	01/31/2024 17:59	WG2209280
Chromium	48.9		5.92	5	01/31/2024 17:59	WG2209280
Cobalt	14.2		1.18	5	01/31/2024 17:59	WG2209280
Copper	26.3		5.92	5	01/31/2024 17:59	WG2209280
Lead	32.7		2.37	5	01/31/2024 17:59	WG2209280
Manganese	416		2.96	5	01/31/2024 17:59	WG2209280
Nickel	32.8		2.96	5	01/31/2024 17:59	WG2209280
Selenium	ND		2.96	5	01/31/2024 17:59	WG2209280
Silver	ND		0.592	5	01/31/2024 17:59	WG2209280
Thallium	ND		2.37	5	01/31/2024 17:59	WG2209280
Vanadium	43.1		2.96	5	01/31/2024 17:59	WG2209280
Zinc	66.7		29.6	5	01/31/2024 17:59	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	1.16	01/19/2024 19:14	WG2209388
Acrylonitrile	ND		0.0195	1.16	01/19/2024 19:14	WG2209388
Benzene	ND		0.00156	1.16	01/19/2024 19:14	WG2209388
Bromobenzene	ND		0.0195	1.16	01/19/2024 19:14	WG2209388
Bromodichloromethane	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
Bromoform	ND		0.0389	1.16	01/19/2024 19:14	WG2209388
Bromomethane	ND		0.0195	1.16	01/19/2024 19:14	WG2209388
n-Butylbenzene	ND		0.0195	1.16	01/19/2024 19:14	WG2209388
sec-Butylbenzene	ND		0.0195	1.16	01/19/2024 19:14	WG2209388
tert-Butylbenzene	ND		0.00778	1.16	01/19/2024 19:14	WG2209388
Carbon tetrachloride	ND		0.00778	1.16	01/19/2024 19:14	WG2209388
Chlorobenzene	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
Chlorodibromomethane	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
Chloroethane	ND	J4	0.00778	1.16	01/19/2024 19:14	WG2209388
Chloroform	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
Chloromethane	ND		0.0195	1.16	01/19/2024 19:14	WG2209388
2-Chlorotoluene	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
4-Chlorotoluene	ND		0.00778	1.16	01/19/2024 19:14	WG2209388
1,2-Dibromo-3-Chloropropane	ND		0.0389	1.16	01/19/2024 19:14	WG2209388

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	1.16	01/19/2024 19:14	WG2209388
Dibromomethane	ND		0.00778	1.16	01/19/2024 19:14	WG2209388
1,2-Dichlorobenzene	ND		0.00778	1.16	01/19/2024 19:14	WG2209388
1,3-Dichlorobenzene	ND		0.00778	1.16	01/19/2024 19:14	WG2209388
1,4-Dichlorobenzene	ND		0.00778	1.16	01/19/2024 19:14	WG2209388
Dichlorodifluoromethane	ND		0.00778	1.16	01/19/2024 19:14	WG2209388
1,1-Dichloroethane	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
1,2-Dichloroethane	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
1,1-Dichloroethene	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
cis-1,2-Dichloroethene	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
trans-1,2-Dichloroethene	ND		0.00778	1.16	01/19/2024 19:14	WG2209388
1,2-Dichloropropane	ND		0.00778	1.16	01/19/2024 19:14	WG2209388
1,1-Dichloropropene	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
1,3-Dichloropropane	ND		0.00778	1.16	01/19/2024 19:14	WG2209388
cis-1,3-Dichloropropene	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
trans-1,3-Dichloropropene	ND		0.00778	1.16	01/19/2024 19:14	WG2209388
2,2-Dichloropropane	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
Di-isopropyl ether	ND		0.00156	1.16	01/19/2024 19:14	WG2209388
Ethylbenzene	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
Hexachloro-1,3-butadiene	ND		0.0389	1.16	01/19/2024 19:14	WG2209388
Isopropylbenzene	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
p-Isopropyltoluene	ND		0.00778	1.16	01/19/2024 19:14	WG2209388
2-Butanone (MEK)	ND	C3	0.156	1.16	01/19/2024 19:14	WG2209388
Methylene Chloride	ND		0.0389	1.16	01/19/2024 19:14	WG2209388
4-Methyl-2-pentanone (MIBK)	ND		0.0389	1.16	01/19/2024 19:14	WG2209388
Methyl tert-butyl ether	ND		0.00156	1.16	01/19/2024 19:14	WG2209388
Naphthalene	ND	C3	0.0195	1.16	01/19/2024 19:14	WG2209388
n-Propylbenzene	ND		0.00778	1.16	01/19/2024 19:14	WG2209388
Styrene	ND		0.0195	1.16	01/19/2024 19:14	WG2209388
1,1,1,2-Tetrachloroethane	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
1,1,2,2-Tetrachloroethane	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
Tetrachloroethene	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
Toluene	ND		0.00778	1.16	01/19/2024 19:14	WG2209388
1,2,3-Trichlorobenzene	ND		0.0195	1.16	01/19/2024 19:14	WG2209388
1,2,4-Trichlorobenzene	ND		0.0195	1.16	01/19/2024 19:14	WG2209388
1,1,1-Trichloroethane	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
1,1,2-Trichloroethane	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
Trichloroethene	ND		0.00156	1.16	01/19/2024 19:14	WG2209388
Trichlorofluoromethane	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
1,2,3-Trichloropropane	ND		0.0195	1.16	01/19/2024 19:14	WG2209388
1,2,4-Trimethylbenzene	ND		0.00778	1.16	01/19/2024 19:14	WG2209388
1,3,5-Trimethylbenzene	ND		0.00778	1.16	01/19/2024 19:14	WG2209388
Vinyl chloride	ND		0.00389	1.16	01/19/2024 19:14	WG2209388
Xylenes, Total	ND		0.0101	1.16	01/19/2024 19:14	WG2209388
(S) Toluene-d8	*102*		*75.0-131*		*01/19/2024 19:14*	WG2209388
(S) 4-Bromofluorobenzene	*99.2*		*67.0-138*		*01/19/2024 19:14*	WG2209388
(S) 1,2-Dichloroethane-d4	*85.8*		*70.0-130*		*01/19/2024 19:14*	WG2209388

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	01/22/2024 15:08	WG2210058
Acenaphthylene	ND		0.0394	1	01/22/2024 15:08	WG2210058
Anthracene	0.118		0.0394	1	01/22/2024 15:08	WG2210058
Benzidine	ND		1.98	1	01/22/2024 15:08	WG2210058
Benzo(a)anthracene	0.511		0.0394	1	01/22/2024 15:08	WG2210058

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	0.663		0.0394	1	01/22/2024 15:08	WG2210058
Benzo(k)fluoranthene	0.196		0.0394	1	01/22/2024 15:08	WG2210058
Benzo(g,h,i)perylene	0.325		0.0394	1	01/22/2024 15:08	WG2210058
Benzo(a)pyrene	0.480		0.0394	1	01/22/2024 15:08	WG2210058
Bis(2-chlorethoxy)methane	ND		0.394	1	01/22/2024 15:08	WG2210058
Bis(2-chloroethyl)ether	ND		0.394	1	01/22/2024 15:08	WG2210058
2,2-Oxybis(1-Chloropropane)	ND		0.394	1	01/22/2024 15:08	WG2210058
4-Bromophenyl-phenylether	ND		0.394	1	01/22/2024 15:08	WG2210058
2-Chloronaphthalene	ND		0.0394	1	01/22/2024 15:08	WG2210058
4-Chlorophenyl-phenylether	ND		0.394	1	01/22/2024 15:08	WG2210058
Chrysene	0.507		0.0394	1	01/22/2024 15:08	WG2210058
Dibenz(a,h)anthracene	0.0850		0.0394	1	01/22/2024 15:08	WG2210058
3,3-Dichlorobenzidine	ND		0.394	1	01/22/2024 15:08	WG2210058
2,4-Dinitrotoluene	ND		0.394	1	01/22/2024 15:08	WG2210058
2,6-Dinitrotoluene	ND		0.394	1	01/22/2024 15:08	WG2210058
Fluoranthene	0.995		0.0394	1	01/22/2024 15:08	WG2210058
Fluorene	ND		0.0394	1	01/22/2024 15:08	WG2210058
Hexachlorobenzene	ND		0.394	1	01/22/2024 15:08	WG2210058
Hexachloro-1,3-butadiene	ND		0.394	1	01/22/2024 15:08	WG2210058
Hexachlorocyclopentadiene	ND		0.394	1	01/22/2024 15:08	WG2210058
Hexachloroethane	ND		0.394	1	01/22/2024 15:08	WG2210058
Indeno(1,2,3-cd)pyrene	0.346		0.0394	1	01/22/2024 15:08	WG2210058
Isophorone	ND		0.394	1	01/22/2024 15:08	WG2210058
Naphthalene	ND		0.0394	1	01/22/2024 15:08	WG2210058
Nitrobenzene	ND		0.394	1	01/22/2024 15:08	WG2210058
n-Nitrosodimethylamine	ND		0.394	1	01/22/2024 15:08	WG2210058
n-Nitrosodiphenylamine	ND		0.394	1	01/22/2024 15:08	WG2210058
n-Nitrosodi-n-propylamine	ND		0.394	1	01/22/2024 15:08	WG2210058
Phenanthrene	0.516		0.0394	1	01/22/2024 15:08	WG2210058
Benzylbutyl phthalate	ND		0.394	1	01/22/2024 15:08	WG2210058
Bis(2-ethylhexyl)phthalate	ND		0.394	1	01/22/2024 15:08	WG2210058
Di-n-butyl phthalate	ND		0.394	1	01/22/2024 15:08	WG2210058
Diethyl phthalate	ND		0.394	1	01/22/2024 15:08	WG2210058
Dimethyl phthalate	ND		0.394	1	01/22/2024 15:08	WG2210058
Di-n-octyl phthalate	ND		0.394	1	01/22/2024 15:08	WG2210058
Pyrene	0.847		0.0394	1	01/22/2024 15:08	WG2210058
1,2,4-Trichlorobenzene	ND		0.394	1	01/22/2024 15:08	WG2210058
4-Chloro-3-methylphenol	ND		0.394	1	01/22/2024 15:08	WG2210058
2-Chlorophenol	ND		0.394	1	01/22/2024 15:08	WG2210058
2,4-Dichlorophenol	ND		0.394	1	01/22/2024 15:08	WG2210058
2,4-Dimethylphenol	ND		0.394	1	01/22/2024 15:08	WG2210058
4,6-Dinitro-2-methylphenol	ND		0.394	1	01/22/2024 15:08	WG2210058
2,4-Dinitrophenol	ND		0.394	1	01/22/2024 15:08	WG2210058
2-Nitrophenol	ND		0.394	1	01/22/2024 15:08	WG2210058
4-Nitrophenol	ND		0.394	1	01/22/2024 15:08	WG2210058
Pentachlorophenol	ND		0.394	1	01/22/2024 15:08	WG2210058
Phenol	ND		0.394	1	01/22/2024 15:08	WG2210058
2,4,6-Trichlorophenol	ND		0.394	1	01/22/2024 15:08	WG2210058
(S) 2-Fluorophenol	*69.1*		*12.0-120*		*01/22/2024 15:08*	WG2210058
(S) Phenol-d5	*63.1*		*10.0-120*		*01/22/2024 15:08*	WG2210058
(S) Nitrobenzene-d5	*54.7*		*10.0-122*		*01/22/2024 15:08*	WG2210058
(S) 2-Fluorobiphenyl	*65.6*		*15.0-120*		*01/22/2024 15:08*	WG2210058
(S) 2,4,6-Tribromophenol	*75.0*		*10.0-127*		*01/22/2024 15:08*	WG2210058
(S) p-Terphenyl-d14	*71.2*		*10.0-120*		*01/22/2024 15:08*	WG2210058

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.5		1	01/19/2024 08:49	WG2209047

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 23:58	WG2209357

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0503		0.0491	1	01/20/2024 14:47	WG2209301

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.68	5	01/31/2024 18:05	WG2209280
Arsenic	2.40		1.23	5	01/31/2024 18:05	WG2209280
Barium	94.3		3.07	5	01/31/2024 18:05	WG2209280
Beryllium	ND		3.07	5	01/31/2024 18:05	WG2209280
Cadmium	ND		1.23	5	01/31/2024 18:05	WG2209280
Chromium	19.0		6.13	5	01/31/2024 18:05	WG2209280
Cobalt	5.45		1.23	5	01/31/2024 18:05	WG2209280
Copper	12.0		6.13	5	01/31/2024 18:05	WG2209280
Lead	37.6		2.45	5	01/31/2024 18:05	WG2209280
Manganese	184		3.07	5	01/31/2024 18:05	WG2209280
Nickel	11.6		3.07	5	01/31/2024 18:05	WG2209280
Selenium	ND		3.07	5	01/31/2024 18:05	WG2209280
Silver	ND		0.613	5	01/31/2024 18:05	WG2209280
Thallium	ND		2.45	5	01/31/2024 18:05	WG2209280
Vanadium	25.6		3.07	5	01/31/2024 18:05	WG2209280
Zinc	53.6		30.7	5	01/31/2024 18:05	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		0.0742	1	01/19/2024 19:34	WG2209388
Acrylonitrile	ND		0.0185	1	01/19/2024 19:34	WG2209388
Benzene	ND		0.00148	1	01/19/2024 19:34	WG2209388
Bromobenzene	ND		0.0185	1	01/19/2024 19:34	WG2209388
Bromodichloromethane	ND		0.00371	1	01/19/2024 19:34	WG2209388
Bromoform	ND		0.0371	1	01/19/2024 19:34	WG2209388
Bromomethane	ND		0.0185	1	01/19/2024 19:34	WG2209388
n-Butylbenzene	ND		0.0185	1	01/19/2024 19:34	WG2209388
sec-Butylbenzene	ND		0.0185	1	01/19/2024 19:34	WG2209388
tert-Butylbenzene	ND		0.00742	1	01/19/2024 19:34	WG2209388
Carbon tetrachloride	ND		0.00742	1	01/19/2024 19:34	WG2209388
Chlorobenzene	ND		0.00371	1	01/19/2024 19:34	WG2209388
Chlorodibromomethane	ND		0.00371	1	01/19/2024 19:34	WG2209388
Chloroethane	ND	J4	0.00742	1	01/19/2024 19:34	WG2209388
Chloroform	ND		0.00371	1	01/19/2024 19:34	WG2209388
Chloromethane	ND		0.0185	1	01/19/2024 19:34	WG2209388
2-Chlorotoluene	ND		0.00371	1	01/19/2024 19:34	WG2209388
4-Chlorotoluene	ND		0.00742	1	01/19/2024 19:34	WG2209388
1,2-Dibromo-3-Chloropropane	ND		0.0371	1	01/19/2024 19:34	WG2209388

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	01/19/2024 19:34	WG2209388
Dibromomethane	ND		0.00742	1	01/19/2024 19:34	WG2209388
1,2-Dichlorobenzene	ND		0.00742	1	01/19/2024 19:34	WG2209388
1,3-Dichlorobenzene	ND		0.00742	1	01/19/2024 19:34	WG2209388
1,4-Dichlorobenzene	ND		0.00742	1	01/19/2024 19:34	WG2209388
Dichlorodifluoromethane	ND		0.00742	1	01/19/2024 19:34	WG2209388
1,1-Dichloroethane	ND		0.00371	1	01/19/2024 19:34	WG2209388
1,2-Dichloroethane	ND		0.00371	1	01/19/2024 19:34	WG2209388
1,1-Dichloroethene	ND		0.00371	1	01/19/2024 19:34	WG2209388
cis-1,2-Dichloroethene	ND		0.00371	1	01/19/2024 19:34	WG2209388
trans-1,2-Dichloroethene	ND		0.00742	1	01/19/2024 19:34	WG2209388
1,2-Dichloropropane	ND		0.00742	1	01/19/2024 19:34	WG2209388
1,1-Dichloropropene	ND		0.00371	1	01/19/2024 19:34	WG2209388
1,3-Dichloropropane	ND		0.00742	1	01/19/2024 19:34	WG2209388
cis-1,3-Dichloropropene	ND		0.00371	1	01/19/2024 19:34	WG2209388
trans-1,3-Dichloropropene	ND		0.00742	1	01/19/2024 19:34	WG2209388
2,2-Dichloropropane	ND		0.00371	1	01/19/2024 19:34	WG2209388
Di-isopropyl ether	ND		0.00148	1	01/19/2024 19:34	WG2209388
Ethylbenzene	ND		0.00371	1	01/19/2024 19:34	WG2209388
Hexachloro-1,3-butadiene	ND		0.0371	1	01/19/2024 19:34	WG2209388
Isopropylbenzene	ND		0.00371	1	01/19/2024 19:34	WG2209388
p-Isopropyltoluene	ND		0.00742	1	01/19/2024 19:34	WG2209388
2-Butanone (MEK)	ND	C3	0.148	1	01/19/2024 19:34	WG2209388
Methylene Chloride	ND		0.0371	1	01/19/2024 19:34	WG2209388
4-Methyl-2-pentanone (MIBK)	ND		0.0371	1	01/19/2024 19:34	WG2209388
Methyl tert-butyl ether	ND		0.00148	1	01/19/2024 19:34	WG2209388
Naphthalene	ND	C3	0.0185	1	01/19/2024 19:34	WG2209388
n-Propylbenzene	ND		0.00742	1	01/19/2024 19:34	WG2209388
Styrene	ND		0.0185	1	01/19/2024 19:34	WG2209388
1,1,1,2-Tetrachloroethane	ND		0.00371	1	01/19/2024 19:34	WG2209388
1,1,2,2-Tetrachloroethane	ND		0.00371	1	01/19/2024 19:34	WG2209388
Tetrachloroethene	ND		0.00371	1	01/19/2024 19:34	WG2209388
Toluene	ND		0.00742	1	01/19/2024 19:34	WG2209388
1,2,3-Trichlorobenzene	ND		0.0185	1	01/19/2024 19:34	WG2209388
1,2,4-Trichlorobenzene	ND		0.0185	1	01/19/2024 19:34	WG2209388
1,1,1-Trichloroethane	ND		0.00371	1	01/19/2024 19:34	WG2209388
1,1,2-Trichloroethane	ND		0.00371	1	01/19/2024 19:34	WG2209388
Trichloroethene	ND		0.00148	1	01/19/2024 19:34	WG2209388
Trichlorofluoromethane	ND		0.00371	1	01/19/2024 19:34	WG2209388
1,2,3-Trichloropropane	ND		0.0185	1	01/19/2024 19:34	WG2209388
1,2,4-Trimethylbenzene	ND		0.00742	1	01/19/2024 19:34	WG2209388
1,3,5-Trimethylbenzene	ND		0.00742	1	01/19/2024 19:34	WG2209388
Vinyl chloride	ND		0.00371	1	01/19/2024 19:34	WG2209388
Xylenes, Total	0.0133		0.00964	1	01/19/2024 19:34	WG2209388
(S) Toluene-d8	*101*		*75.0-131*		*01/19/2024 19:34*	WG2209388
(S) 4-Bromofluorobenzene	*97.4*		*67.0-138*		*01/19/2024 19:34*	WG2209388
(S) 1,2-Dichloroethane-d4	*83.3*		*70.0-130*		*01/19/2024 19:34*	WG2209388

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	01/22/2024 13:46	WG2210058
Acenaphthylene	ND		0.0409	1	01/22/2024 13:46	WG2210058
Anthracene	ND		0.0409	1	01/22/2024 13:46	WG2210058
Benzidine	ND	J6	2.05	1	01/22/2024 13:46	WG2210058
Benzo(a)anthracene	ND		0.0409	1	01/22/2024 13:46	WG2210058

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		0.0409	1	01/22/2024 13:46	WG2210058
Benzo(k)fluoranthene	ND		0.0409	1	01/22/2024 13:46	WG2210058
Benzo(g,h,i)perylene	ND		0.0409	1	01/22/2024 13:46	WG2210058
Benzo(a)pyrene	ND		0.0409	1	01/22/2024 13:46	WG2210058
Bis(2-chlorethoxy)methane	ND		0.409	1	01/22/2024 13:46	WG2210058
Bis(2-chloroethyl)ether	ND		0.409	1	01/22/2024 13:46	WG2210058
2,2-Oxybis(1-Chloropropane)	ND		0.409	1	01/22/2024 13:46	WG2210058
4-Bromophenyl-phenylether	ND		0.409	1	01/22/2024 13:46	WG2210058
2-Chloronaphthalene	ND		0.0409	1	01/22/2024 13:46	WG2210058
4-Chlorophenyl-phenylether	ND		0.409	1	01/22/2024 13:46	WG2210058
Chrysene	ND		0.0409	1	01/22/2024 13:46	WG2210058
Dibenz(a,h)anthracene	ND		0.0409	1	01/22/2024 13:46	WG2210058
3,3-Dichlorobenzidine	ND	J3	0.409	1	01/22/2024 13:46	WG2210058
2,4-Dinitrotoluene	ND		0.409	1	01/22/2024 13:46	WG2210058
2,6-Dinitrotoluene	ND		0.409	1	01/22/2024 13:46	WG2210058
Fluoranthene	ND		0.0409	1	01/22/2024 13:46	WG2210058
Fluorene	ND		0.0409	1	01/22/2024 13:46	WG2210058
Hexachlorobenzene	ND		0.409	1	01/22/2024 13:46	WG2210058
Hexachloro-1,3-butadiene	ND		0.409	1	01/22/2024 13:46	WG2210058
Hexachlorocyclopentadiene	ND		0.409	1	01/22/2024 13:46	WG2210058
Hexachloroethane	ND		0.409	1	01/22/2024 13:46	WG2210058
Indeno(1,2,3-cd)pyrene	ND		0.0409	1	01/22/2024 13:46	WG2210058
Isophorone	ND		0.409	1	01/22/2024 13:46	WG2210058
Naphthalene	ND		0.0409	1	01/22/2024 13:46	WG2210058
Nitrobenzene	ND		0.409	1	01/22/2024 13:46	WG2210058
n-Nitrosodimethylamine	ND		0.409	1	01/22/2024 13:46	WG2210058
n-Nitrosodiphenylamine	ND		0.409	1	01/22/2024 13:46	WG2210058
n-Nitrosodi-n-propylamine	ND		0.409	1	01/22/2024 13:46	WG2210058
Phenanthrene	ND		0.0409	1	01/22/2024 13:46	WG2210058
Benzylbutyl phthalate	ND		0.409	1	01/22/2024 13:46	WG2210058
Bis(2-ethylhexyl)phthalate	ND		0.409	1	01/22/2024 13:46	WG2210058
Di-n-butyl phthalate	ND		0.409	1	01/22/2024 13:46	WG2210058
Diethyl phthalate	ND		0.409	1	01/22/2024 13:46	WG2210058
Dimethyl phthalate	ND		0.409	1	01/22/2024 13:46	WG2210058
Di-n-octyl phthalate	ND		0.409	1	01/22/2024 13:46	WG2210058
Pyrene	ND		0.0409	1	01/22/2024 13:46	WG2210058
1,2,4-Trichlorobenzene	ND		0.409	1	01/22/2024 13:46	WG2210058
4-Chloro-3-methylphenol	ND		0.409	1	01/22/2024 13:46	WG2210058
2-Chlorophenol	ND		0.409	1	01/22/2024 13:46	WG2210058
2,4-Dichlorophenol	ND		0.409	1	01/22/2024 13:46	WG2210058
2,4-Dimethylphenol	ND		0.409	1	01/22/2024 13:46	WG2210058
4,6-Dinitro-2-methylphenol	ND		0.409	1	01/22/2024 13:46	WG2210058
2,4-Dinitrophenol	ND		0.409	1	01/22/2024 13:46	WG2210058
2-Nitrophenol	ND		0.409	1	01/22/2024 13:46	WG2210058
4-Nitrophenol	ND		0.409	1	01/22/2024 13:46	WG2210058
Pentachlorophenol	ND		0.409	1	01/22/2024 13:46	WG2210058
Phenol	ND		0.409	1	01/22/2024 13:46	WG2210058
2,4,6-Trichlorophenol	ND		0.409	1	01/22/2024 13:46	WG2210058
(S) 2-Fluorophenol	*71.3*		*12.0-120*		*01/22/2024 13:46*	WG2210058
(S) Phenol-d5	*64.6*		*10.0-120*		*01/22/2024 13:46*	WG2210058
(S) Nitrobenzene-d5	*56.7*		*10.0-122*		*01/22/2024 13:46*	WG2210058
(S) 2-Fluorobiphenyl	*65.9*		*15.0-120*		*01/22/2024 13:46*	WG2210058
(S) 2,4,6-Tribromophenol	*78.4*		*10.0-127*		*01/22/2024 13:46*	WG2210058
(S) p-Terphenyl-d14	*72.6*		*10.0-120*		*01/22/2024 13:46*	WG2210058

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.9		1	01/19/2024 08:49	WG2209047

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 00:05	WG2209357

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0489	1	01/20/2024 14:54	WG2209301

Metals (ICPMS) by Method 6020

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		3.66	5	01/31/2024 18:12	WG2209280
Arsenic	2.78		1.22	5	01/31/2024 18:12	WG2209280
Barium	110		3.05	5	01/31/2024 18:12	WG2209280
Beryllium	ND		3.05	5	01/31/2024 18:12	WG2209280
Cadmium	ND		1.22	5	01/31/2024 18:12	WG2209280
Chromium	20.3		6.11	5	01/31/2024 18:12	WG2209280
Cobalt	9.09		1.22	5	01/31/2024 18:12	WG2209280
Copper	16.1		6.11	5	01/31/2024 18:12	WG2209280
Lead	53.2		2.44	5	01/31/2024 18:12	WG2209280
Manganese	305		3.05	5	01/31/2024 18:12	WG2209280
Nickel	17.2		3.05	5	01/31/2024 18:12	WG2209280
Selenium	ND		3.05	5	01/31/2024 18:12	WG2209280
Silver	ND		0.611	5	01/31/2024 18:12	WG2209280
Thallium	ND		2.44	5	01/31/2024 18:12	WG2209280
Vanadium	28.8		3.05	5	01/31/2024 18:12	WG2209280
Zinc	59.6		30.5	5	01/31/2024 18:12	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		0.0727	1	01/19/2024 19:53	WG2209388
Acrylonitrile	ND		0.0182	1	01/19/2024 19:53	WG2209388
Benzene	ND		0.00145	1	01/19/2024 19:53	WG2209388
Bromobenzene	ND		0.0182	1	01/19/2024 19:53	WG2209388
Bromodichloromethane	ND		0.00364	1	01/19/2024 19:53	WG2209388
Bromoform	ND		0.0364	1	01/19/2024 19:53	WG2209388
Bromomethane	ND		0.0182	1	01/19/2024 19:53	WG2209388
n-Butylbenzene	ND		0.0182	1	01/19/2024 19:53	WG2209388
sec-Butylbenzene	ND		0.0182	1	01/19/2024 19:53	WG2209388
tert-Butylbenzene	ND		0.00727	1	01/19/2024 19:53	WG2209388
Carbon tetrachloride	ND		0.00727	1	01/19/2024 19:53	WG2209388
Chlorobenzene	ND		0.00364	1	01/19/2024 19:53	WG2209388
Chlorodibromomethane	ND		0.00364	1	01/19/2024 19:53	WG2209388
Chloroethane	ND	J4	0.00727	1	01/19/2024 19:53	WG2209388
Chloroform	ND		0.00364	1	01/19/2024 19:53	WG2209388
Chloromethane	ND		0.0182	1	01/19/2024 19:53	WG2209388
2-Chlorotoluene	ND		0.00364	1	01/19/2024 19:53	WG2209388
4-Chlorotoluene	ND		0.00727	1	01/19/2024 19:53	WG2209388
1,2-Dibromo-3-Chloropropane	ND		0.0364	1	01/19/2024 19:53	WG2209388

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	01/19/2024 19:53	WG2209388
Dibromomethane	ND		0.00727	1	01/19/2024 19:53	WG2209388
1,2-Dichlorobenzene	ND		0.00727	1	01/19/2024 19:53	WG2209388
1,3-Dichlorobenzene	ND		0.00727	1	01/19/2024 19:53	WG2209388
1,4-Dichlorobenzene	ND		0.00727	1	01/19/2024 19:53	WG2209388
Dichlorodifluoromethane	ND		0.00727	1	01/19/2024 19:53	WG2209388
1,1-Dichloroethane	ND		0.00364	1	01/19/2024 19:53	WG2209388
1,2-Dichloroethane	ND		0.00364	1	01/19/2024 19:53	WG2209388
1,1-Dichloroethene	ND		0.00364	1	01/19/2024 19:53	WG2209388
cis-1,2-Dichloroethene	ND		0.00364	1	01/19/2024 19:53	WG2209388
trans-1,2-Dichloroethene	ND		0.00727	1	01/19/2024 19:53	WG2209388
1,2-Dichloropropane	ND		0.00727	1	01/19/2024 19:53	WG2209388
1,1-Dichloropropene	ND		0.00364	1	01/19/2024 19:53	WG2209388
1,3-Dichloropropane	ND		0.00727	1	01/19/2024 19:53	WG2209388
cis-1,3-Dichloropropene	ND		0.00364	1	01/19/2024 19:53	WG2209388
trans-1,3-Dichloropropene	ND		0.00727	1	01/19/2024 19:53	WG2209388
2,2-Dichloropropane	ND		0.00364	1	01/19/2024 19:53	WG2209388
Di-isopropyl ether	ND		0.00145	1	01/19/2024 19:53	WG2209388
Ethylbenzene	ND		0.00364	1	01/19/2024 19:53	WG2209388
Hexachloro-1,3-butadiene	ND		0.0364	1	01/19/2024 19:53	WG2209388
Isopropylbenzene	ND		0.00364	1	01/19/2024 19:53	WG2209388
p-Isopropyltoluene	ND		0.00727	1	01/19/2024 19:53	WG2209388
2-Butanone (MEK)	ND	C3	0.145	1	01/19/2024 19:53	WG2209388
Methylene Chloride	ND		0.0364	1	01/19/2024 19:53	WG2209388
4-Methyl-2-pentanone (MIBK)	ND		0.0364	1	01/19/2024 19:53	WG2209388
Methyl tert-butyl ether	ND		0.00145	1	01/19/2024 19:53	WG2209388
Naphthalene	ND	C3	0.0182	1	01/19/2024 19:53	WG2209388
n-Propylbenzene	ND		0.00727	1	01/19/2024 19:53	WG2209388
Styrene	ND		0.0182	1	01/19/2024 19:53	WG2209388
1,1,1,2-Tetrachloroethane	ND		0.00364	1	01/19/2024 19:53	WG2209388
1,1,2,2-Tetrachloroethane	ND		0.00364	1	01/19/2024 19:53	WG2209388
Tetrachloroethene	ND		0.00364	1	01/19/2024 19:53	WG2209388
Toluene	ND		0.00727	1	01/19/2024 19:53	WG2209388
1,2,3-Trichlorobenzene	ND		0.0182	1	01/19/2024 19:53	WG2209388
1,2,4-Trichlorobenzene	ND		0.0182	1	01/19/2024 19:53	WG2209388
1,1,1-Trichloroethane	ND		0.00364	1	01/19/2024 19:53	WG2209388
1,1,2-Trichloroethane	ND		0.00364	1	01/19/2024 19:53	WG2209388
Trichloroethene	ND		0.00145	1	01/19/2024 19:53	WG2209388
Trichlorofluoromethane	ND		0.00364	1	01/19/2024 19:53	WG2209388
1,2,3-Trichloropropane	ND		0.0182	1	01/19/2024 19:53	WG2209388
1,2,4-Trimethylbenzene	ND		0.00727	1	01/19/2024 19:53	WG2209388
1,3,5-Trimethylbenzene	ND		0.00727	1	01/19/2024 19:53	WG2209388
Vinyl chloride	ND		0.00364	1	01/19/2024 19:53	WG2209388
Xylenes, Total	ND		0.00945	1	01/19/2024 19:53	WG2209388
(S) Toluene-d8	*101*		*75.0-131*		*01/19/2024 19:53*	WG2209388
(S) 4-Bromofluorobenzene	*97.6*		*67.0-138*		*01/19/2024 19:53*	WG2209388
(S) 1,2-Dichloroethane-d4	*94.8*		*70.0-130*		*01/19/2024 19:53*	WG2209388

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	01/22/2024 15:28	WG2210058
Acenaphthylene	ND		0.0407	1	01/22/2024 15:28	WG2210058
Anthracene	0.0705		0.0407	1	01/22/2024 15:28	WG2210058
Benzidine	ND		2.04	1	01/22/2024 15:28	WG2210058
Benzo(a)anthracene	0.192		0.0407	1	01/22/2024 15:28	WG2210058

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	0.236		0.0407	1	01/22/2024 15:28	WG2210058
Benzo(k)fluoranthene	0.0835		0.0407	1	01/22/2024 15:28	WG2210058
Benzo(g,h,i)perylene	0.122		0.0407	1	01/22/2024 15:28	WG2210058
Benzo(a)pyrene	0.191		0.0407	1	01/22/2024 15:28	WG2210058
Bis(2-chlorethoxy)methane	ND		0.407	1	01/22/2024 15:28	WG2210058
Bis(2-chloroethyl)ether	ND		0.407	1	01/22/2024 15:28	WG2210058
2,2-Oxybis(1-Chloropropane)	ND		0.407	1	01/22/2024 15:28	WG2210058
4-Bromophenyl-phenylether	ND		0.407	1	01/22/2024 15:28	WG2210058
2-Chloronaphthalene	ND		0.0407	1	01/22/2024 15:28	WG2210058
4-Chlorophenyl-phenylether	ND		0.407	1	01/22/2024 15:28	WG2210058
Chrysene	0.156		0.0407	1	01/22/2024 15:28	WG2210058
Dibenz(a,h)anthracene	ND		0.0407	1	01/22/2024 15:28	WG2210058
3,3-Dichlorobenzidine	ND		0.407	1	01/22/2024 15:28	WG2210058
2,4-Dinitrotoluene	ND		0.407	1	01/22/2024 15:28	WG2210058
2,6-Dinitrotoluene	ND		0.407	1	01/22/2024 15:28	WG2210058
Fluoranthene	0.410		0.0407	1	01/22/2024 15:28	WG2210058
Fluorene	ND		0.0407	1	01/22/2024 15:28	WG2210058
Hexachlorobenzene	ND		0.407	1	01/22/2024 15:28	WG2210058
Hexachloro-1,3-butadiene	ND		0.407	1	01/22/2024 15:28	WG2210058
Hexachlorocyclopentadiene	ND		0.407	1	01/22/2024 15:28	WG2210058
Hexachloroethane	ND		0.407	1	01/22/2024 15:28	WG2210058
Indeno(1,2,3-cd)pyrene	0.128		0.0407	1	01/22/2024 15:28	WG2210058
Isophorone	ND		0.407	1	01/22/2024 15:28	WG2210058
Naphthalene	ND		0.0407	1	01/22/2024 15:28	WG2210058
Nitrobenzene	ND		0.407	1	01/22/2024 15:28	WG2210058
n-Nitrosodimethylamine	ND		0.407	1	01/22/2024 15:28	WG2210058
n-Nitrosodiphenylamine	ND		0.407	1	01/22/2024 15:28	WG2210058
n-Nitrosodi-n-propylamine	ND		0.407	1	01/22/2024 15:28	WG2210058
Phenanthrene	0.319		0.0407	1	01/22/2024 15:28	WG2210058
Benzylbutyl phthalate	ND		0.407	1	01/22/2024 15:28	WG2210058
Bis(2-ethylhexyl)phthalate	ND		0.407	1	01/22/2024 15:28	WG2210058
Di-n-butyl phthalate	ND		0.407	1	01/22/2024 15:28	WG2210058
Diethyl phthalate	ND		0.407	1	01/22/2024 15:28	WG2210058
Dimethyl phthalate	ND		0.407	1	01/22/2024 15:28	WG2210058
Di-n-octyl phthalate	ND		0.407	1	01/22/2024 15:28	WG2210058
Pyrene	0.340		0.0407	1	01/22/2024 15:28	WG2210058
1,2,4-Trichlorobenzene	ND		0.407	1	01/22/2024 15:28	WG2210058
4-Chloro-3-methylphenol	ND		0.407	1	01/22/2024 15:28	WG2210058
2-Chlorophenol	ND		0.407	1	01/22/2024 15:28	WG2210058
2,4-Dichlorophenol	ND		0.407	1	01/22/2024 15:28	WG2210058
2,4-Dimethylphenol	ND		0.407	1	01/22/2024 15:28	WG2210058
4,6-Dinitro-2-methylphenol	ND		0.407	1	01/22/2024 15:28	WG2210058
2,4-Dinitrophenol	ND		0.407	1	01/22/2024 15:28	WG2210058
2-Nitrophenol	ND		0.407	1	01/22/2024 15:28	WG2210058
4-Nitrophenol	ND		0.407	1	01/22/2024 15:28	WG2210058
Pentachlorophenol	ND		0.407	1	01/22/2024 15:28	WG2210058
Phenol	ND		0.407	1	01/22/2024 15:28	WG2210058
2,4,6-Trichlorophenol	ND		0.407	1	01/22/2024 15:28	WG2210058
(S) 2-Fluorophenol	*69.3*		*12.0-120*		*01/22/2024 15:28*	WG2210058
(S) Phenol-d5	*62.9*		*10.0-120*		*01/22/2024 15:28*	WG2210058
(S) Nitrobenzene-d5	*53.8*		*10.0-122*		*01/22/2024 15:28*	WG2210058
(S) 2-Fluorobiphenyl	*61.7*		*15.0-120*		*01/22/2024 15:28*	WG2210058
(S) 2,4,6-Tribromophenol	*75.5*		*10.0-127*		*01/22/2024 15:28*	WG2210058
(S) p-Terphenyl-d14	*67.8*		*10.0-120*		*01/22/2024 15:28*	WG2210058

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.5		1	01/19/2024 08:49	WG2209047

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	01/24/2024 00:11	WG2209357

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0503	1	01/20/2024 14:57	WG2209301

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	01/21/2024 18:19	WG2209286
Arsenic	2.21		1.26	5	01/21/2024 18:19	WG2209286
Barium	75.4		3.15	5	01/21/2024 18:19	WG2209286
Beryllium	ND		3.15	5	01/21/2024 18:19	WG2209286
Cadmium	ND		1.26	5	01/21/2024 18:19	WG2209286
Chromium	55.6		6.29	5	01/21/2024 18:19	WG2209286
Cobalt	15.8		1.26	5	01/21/2024 18:19	WG2209286
Copper	23.7		6.29	5	01/21/2024 18:19	WG2209286
Lead	63.9		2.52	5	01/21/2024 18:19	WG2209286
Manganese	438		12.6	20	01/21/2024 18:53	WG2209286
Nickel	33.0		3.15	5	01/21/2024 18:19	WG2209286
Selenium	ND		3.15	5	01/21/2024 18:19	WG2209286
Silver	ND		0.629	5	01/21/2024 18:19	WG2209286
Thallium	ND		2.52	5	01/21/2024 18:19	WG2209286
Vanadium	40.9		3.15	5	01/21/2024 18:19	WG2209286
Zinc	49.8		31.5	5	01/21/2024 18:19	WG2209286

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		0.0792	1	01/19/2024 20:13	WG2209388
Acrylonitrile	ND		0.0198	1	01/19/2024 20:13	WG2209388
Benzene	0.0201		0.00158	1	01/19/2024 20:13	WG2209388
Bromobenzene	ND		0.0198	1	01/19/2024 20:13	WG2209388
Bromodichloromethane	ND		0.00396	1	01/19/2024 20:13	WG2209388
Bromoform	ND		0.0396	1	01/19/2024 20:13	WG2209388
Bromomethane	ND		0.0198	1	01/19/2024 20:13	WG2209388
n-Butylbenzene	ND		0.0198	1	01/19/2024 20:13	WG2209388
sec-Butylbenzene	ND		0.0198	1	01/19/2024 20:13	WG2209388
tert-Butylbenzene	ND		0.00792	1	01/19/2024 20:13	WG2209388
Carbon tetrachloride	ND		0.00792	1	01/19/2024 20:13	WG2209388
Chlorobenzene	ND		0.00396	1	01/19/2024 20:13	WG2209388
Chlorodibromomethane	ND		0.00396	1	01/19/2024 20:13	WG2209388
Chloroethane	ND	J4	0.00792	1	01/19/2024 20:13	WG2209388
Chloroform	ND		0.00396	1	01/19/2024 20:13	WG2209388
Chloromethane	ND		0.0198	1	01/19/2024 20:13	WG2209388
2-Chlorotoluene	ND		0.00396	1	01/19/2024 20:13	WG2209388
4-Chlorotoluene	ND		0.00792	1	01/19/2024 20:13	WG2209388
1,2-Dibromo-3-Chloropropane	ND		0.0396	1	01/19/2024 20:13	WG2209388

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		0.00396	1	01/19/2024 20:13	WG2209388
Dibromomethane	ND		0.00792	1	01/19/2024 20:13	WG2209388
1,2-Dichlorobenzene	ND		0.00792	1	01/19/2024 20:13	WG2209388
1,3-Dichlorobenzene	ND		0.00792	1	01/19/2024 20:13	WG2209388
1,4-Dichlorobenzene	ND		0.00792	1	01/19/2024 20:13	WG2209388
Dichlorodifluoromethane	ND		0.00792	1	01/19/2024 20:13	WG2209388
1,1-Dichloroethane	ND		0.00396	1	01/19/2024 20:13	WG2209388
1,2-Dichloroethane	ND		0.00396	1	01/19/2024 20:13	WG2209388
1,1-Dichloroethene	ND		0.00396	1	01/19/2024 20:13	WG2209388
cis-1,2-Dichloroethene	ND		0.00396	1	01/19/2024 20:13	WG2209388
trans-1,2-Dichloroethene	ND		0.00792	1	01/19/2024 20:13	WG2209388
1,2-Dichloropropane	ND		0.00792	1	01/19/2024 20:13	WG2209388
1,1-Dichloropropene	ND		0.00396	1	01/19/2024 20:13	WG2209388
1,3-Dichloropropane	ND		0.00792	1	01/19/2024 20:13	WG2209388
cis-1,3-Dichloropropene	ND		0.00396	1	01/19/2024 20:13	WG2209388
trans-1,3-Dichloropropene	ND		0.00792	1	01/19/2024 20:13	WG2209388
2,2-Dichloropropane	ND		0.00396	1	01/19/2024 20:13	WG2209388
Di-isopropyl ether	ND		0.00158	1	01/19/2024 20:13	WG2209388
Ethylbenzene	ND		0.00396	1	01/19/2024 20:13	WG2209388
Hexachloro-1,3-butadiene	ND		0.0396	1	01/19/2024 20:13	WG2209388
Isopropylbenzene	ND		0.00396	1	01/19/2024 20:13	WG2209388
p-Isopropyltoluene	ND		0.00792	1	01/19/2024 20:13	WG2209388
2-Butanone (MEK)	ND	C3	0.158	1	01/19/2024 20:13	WG2209388
Methylene Chloride	ND		0.0396	1	01/19/2024 20:13	WG2209388
4-Methyl-2-pentanone (MIBK)	ND		0.0396	1	01/19/2024 20:13	WG2209388
Methyl tert-butyl ether	ND		0.00158	1	01/19/2024 20:13	WG2209388
Naphthalene	ND	C3	0.0198	1	01/19/2024 20:13	WG2209388
n-Propylbenzene	ND		0.00792	1	01/19/2024 20:13	WG2209388
Styrene	ND		0.0198	1	01/19/2024 20:13	WG2209388
1,1,1,2-Tetrachloroethane	ND		0.00396	1	01/19/2024 20:13	WG2209388
1,1,2,2-Tetrachloroethane	ND		0.00396	1	01/19/2024 20:13	WG2209388
Tetrachloroethene	ND		0.00396	1	01/19/2024 20:13	WG2209388
Toluene	ND		0.00792	1	01/19/2024 20:13	WG2209388
1,2,3-Trichlorobenzene	ND		0.0198	1	01/19/2024 20:13	WG2209388
1,2,4-Trichlorobenzene	ND		0.0198	1	01/19/2024 20:13	WG2209388
1,1,1-Trichloroethane	ND		0.00396	1	01/19/2024 20:13	WG2209388
1,1,2-Trichloroethane	ND		0.00396	1	01/19/2024 20:13	WG2209388
Trichloroethene	ND		0.00158	1	01/19/2024 20:13	WG2209388
Trichlorofluoromethane	ND		0.00396	1	01/19/2024 20:13	WG2209388
1,2,3-Trichloropropane	ND		0.0198	1	01/19/2024 20:13	WG2209388
1,2,4-Trimethylbenzene	ND		0.00792	1	01/19/2024 20:13	WG2209388
1,3,5-Trimethylbenzene	ND		0.00792	1	01/19/2024 20:13	WG2209388
Vinyl chloride	ND		0.00396	1	01/19/2024 20:13	WG2209388
Xylenes, Total	ND		0.0103	1	01/19/2024 20:13	WG2209388
(S) Toluene-d8	*101*		*75.0-131*		*01/19/2024 20:13*	WG2209388
(S) 4-Bromofluorobenzene	*102*		*67.0-138*		*01/19/2024 20:13*	WG2209388
(S) 1,2-Dichloroethane-d4	*90.4*		*70.0-130*		*01/19/2024 20:13*	WG2209388

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	01/22/2024 16:50	WG2210058
Acenaphthylene	0.0979		0.0419	1	01/22/2024 16:50	WG2210058
Anthracene	0.174		0.0419	1	01/22/2024 16:50	WG2210058
Benzidine	ND		2.10	1	01/22/2024 16:50	WG2210058
Benzo(a)anthracene	0.641		0.0419	1	01/22/2024 16:50	WG2210058

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	0.837		0.0419	1	01/22/2024 16:50	WG2210058
Benzo(k)fluoranthene	0.260		0.0419	1	01/22/2024 16:50	WG2210058
Benzo(g,h,i)perylene	0.381		0.0419	1	01/22/2024 16:50	WG2210058
Benzo(a)pyrene	0.661		0.0419	1	01/22/2024 16:50	WG2210058
Bis(2-chlorethoxy)methane	ND		0.419	1	01/22/2024 16:50	WG2210058
Bis(2-chloroethyl)ether	ND		0.419	1	01/22/2024 16:50	WG2210058
2,2-Oxybis(1-Chloropropane)	ND		0.419	1	01/22/2024 16:50	WG2210058
4-Bromophenyl-phenylether	ND		0.419	1	01/22/2024 16:50	WG2210058
2-Chloronaphthalene	ND		0.0419	1	01/22/2024 16:50	WG2210058
4-Chlorophenyl-phenylether	ND		0.419	1	01/22/2024 16:50	WG2210058
Chrysene	0.476		0.0419	1	01/22/2024 16:50	WG2210058
Dibenz(a,h)anthracene	0.0882		0.0419	1	01/22/2024 16:50	WG2210058
3,3-Dichlorobenzidine	ND		0.419	1	01/22/2024 16:50	WG2210058
2,4-Dinitrotoluene	ND		0.419	1	01/22/2024 16:50	WG2210058
2,6-Dinitrotoluene	ND		0.419	1	01/22/2024 16:50	WG2210058
Fluoranthene	1.23		0.0419	1	01/22/2024 16:50	WG2210058
Fluorene	ND		0.0419	1	01/22/2024 16:50	WG2210058
Hexachlorobenzene	ND		0.419	1	01/22/2024 16:50	WG2210058
Hexachloro-1,3-butadiene	ND		0.419	1	01/22/2024 16:50	WG2210058
Hexachlorocyclopentadiene	ND		0.419	1	01/22/2024 16:50	WG2210058
Hexachloroethane	ND		0.419	1	01/22/2024 16:50	WG2210058
Indeno(1,2,3-cd)pyrene	0.389		0.0419	1	01/22/2024 16:50	WG2210058
Isophorone	ND		0.419	1	01/22/2024 16:50	WG2210058
Naphthalene	0.0492		0.0419	1	01/22/2024 16:50	WG2210058
Nitrobenzene	ND		0.419	1	01/22/2024 16:50	WG2210058
n-Nitrosodimethylamine	ND		0.419	1	01/22/2024 16:50	WG2210058
n-Nitrosodiphenylamine	ND		0.419	1	01/22/2024 16:50	WG2210058
n-Nitrosodi-n-propylamine	ND		0.419	1	01/22/2024 16:50	WG2210058
Phenanthrene	0.568		0.0419	1	01/22/2024 16:50	WG2210058
Benzylbutyl phthalate	ND		0.419	1	01/22/2024 16:50	WG2210058
Bis(2-ethylhexyl)phthalate	ND		0.419	1	01/22/2024 16:50	WG2210058
Di-n-butyl phthalate	ND		0.419	1	01/22/2024 16:50	WG2210058
Diethyl phthalate	ND		0.419	1	01/22/2024 16:50	WG2210058
Dimethyl phthalate	ND		0.419	1	01/22/2024 16:50	WG2210058
Di-n-octyl phthalate	ND		0.419	1	01/22/2024 16:50	WG2210058
Pyrene	0.989		0.0419	1	01/22/2024 16:50	WG2210058
1,2,4-Trichlorobenzene	ND		0.419	1	01/22/2024 16:50	WG2210058
4-Chloro-3-methylphenol	ND		0.419	1	01/22/2024 16:50	WG2210058
2-Chlorophenol	ND		0.419	1	01/22/2024 16:50	WG2210058
2,4-Dichlorophenol	ND		0.419	1	01/22/2024 16:50	WG2210058
2,4-Dimethylphenol	ND		0.419	1	01/22/2024 16:50	WG2210058
4,6-Dinitro-2-methylphenol	ND		0.419	1	01/22/2024 16:50	WG2210058
2,4-Dinitrophenol	ND		0.419	1	01/22/2024 16:50	WG2210058
2-Nitrophenol	ND		0.419	1	01/22/2024 16:50	WG2210058
4-Nitrophenol	ND		0.419	1	01/22/2024 16:50	WG2210058
Pentachlorophenol	ND		0.419	1	01/22/2024 16:50	WG2210058
Phenol	ND		0.419	1	01/22/2024 16:50	WG2210058
2,4,6-Trichlorophenol	ND		0.419	1	01/22/2024 16:50	WG2210058
(S) 2-Fluorophenol	*69.7*		*12.0-120*		*01/22/2024 16:50*	WG2210058
(S) Phenol-d5	*61.8*		*10.0-120*		*01/22/2024 16:50*	WG2210058
(S) Nitrobenzene-d5	*52.2*		*10.0-122*		*01/22/2024 16:50*	WG2210058
(S) 2-Fluorobiphenyl	*60.6*		*15.0-120*		*01/22/2024 16:50*	WG2210058
(S) 2,4,6-Tribromophenol	*87.3*		*10.0-127*		*01/22/2024 16:50*	WG2210058
(S) p-Terphenyl-d14	*74.5*		*10.0-120*		*01/22/2024 16:50*	WG2210058

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	01/19/2024 08:19	WG2209048

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	1.73		1.40	1	01/24/2024 00:17	WG2209357

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0560	1	01/20/2024 14:59	WG2209301

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	01/21/2024 18:22	WG2209286
Arsenic	1.61		1.40	5	01/21/2024 18:22	WG2209286
Barium	86.1		3.50	5	01/21/2024 18:22	WG2209286
Beryllium	ND		3.50	5	01/21/2024 18:22	WG2209286
Cadmium	ND		1.40	5	01/21/2024 18:22	WG2209286
Chromium	134		7.00	5	01/21/2024 18:22	WG2209286
Cobalt	19.7		1.40	5	01/21/2024 18:22	WG2209286
Copper	41.3		7.00	5	01/21/2024 18:22	WG2209286
Lead	17.9		2.80	5	01/21/2024 18:22	WG2209286
Manganese	532		14.0	20	01/21/2024 18:58	WG2209286
Nickel	43.6		3.50	5	01/21/2024 18:22	WG2209286
Selenium	ND		3.50	5	01/21/2024 18:22	WG2209286
Silver	ND		0.700	5	01/21/2024 18:22	WG2209286
Thallium	ND		2.80	5	01/21/2024 18:22	WG2209286
Vanadium	99.0		3.50	5	01/21/2024 18:22	WG2209286
Zinc	41.1		35.0	5	01/21/2024 18:22	WG2209286

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		0.0953	1	01/19/2024 20:33	WG2209388
Acrylonitrile	ND		0.0238	1	01/19/2024 20:33	WG2209388
Benzene	ND		0.00191	1	01/19/2024 20:33	WG2209388
Bromobenzene	ND		0.0238	1	01/19/2024 20:33	WG2209388
Bromodichloromethane	ND		0.00476	1	01/19/2024 20:33	WG2209388
Bromoform	ND		0.0476	1	01/19/2024 20:33	WG2209388
Bromomethane	ND		0.0238	1	01/19/2024 20:33	WG2209388
n-Butylbenzene	ND		0.0238	1	01/19/2024 20:33	WG2209388
sec-Butylbenzene	ND		0.0238	1	01/19/2024 20:33	WG2209388
tert-Butylbenzene	ND		0.00953	1	01/19/2024 20:33	WG2209388
Carbon tetrachloride	ND		0.00953	1	01/19/2024 20:33	WG2209388
Chlorobenzene	ND		0.00476	1	01/19/2024 20:33	WG2209388
Chlorodibromomethane	ND		0.00476	1	01/19/2024 20:33	WG2209388
Chloroethane	ND	J4	0.00953	1	01/19/2024 20:33	WG2209388
Chloroform	ND		0.00476	1	01/19/2024 20:33	WG2209388
Chloromethane	ND		0.0238	1	01/19/2024 20:33	WG2209388
2-Chlorotoluene	ND		0.00476	1	01/19/2024 20:33	WG2209388
4-Chlorotoluene	ND		0.00953	1	01/19/2024 20:33	WG2209388
1,2-Dibromo-3-Chloropropane	ND		0.0476	1	01/19/2024 20:33	WG2209388

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		0.00476	1	01/19/2024 20:33	WG2209388
Dibromomethane	ND		0.00953	1	01/19/2024 20:33	WG2209388
1,2-Dichlorobenzene	ND		0.00953	1	01/19/2024 20:33	WG2209388
1,3-Dichlorobenzene	ND		0.00953	1	01/19/2024 20:33	WG2209388
1,4-Dichlorobenzene	ND		0.00953	1	01/19/2024 20:33	WG2209388
Dichlorodifluoromethane	ND		0.00953	1	01/19/2024 20:33	WG2209388
1,1-Dichloroethane	ND		0.00476	1	01/19/2024 20:33	WG2209388
1,2-Dichloroethane	ND		0.00476	1	01/19/2024 20:33	WG2209388
1,1-Dichloroethene	ND		0.00476	1	01/19/2024 20:33	WG2209388
cis-1,2-Dichloroethene	ND		0.00476	1	01/19/2024 20:33	WG2209388
trans-1,2-Dichloroethene	ND		0.00953	1	01/19/2024 20:33	WG2209388
1,2-Dichloropropane	ND		0.00953	1	01/19/2024 20:33	WG2209388
1,1-Dichloropropene	ND		0.00476	1	01/19/2024 20:33	WG2209388
1,3-Dichloropropane	ND		0.00953	1	01/19/2024 20:33	WG2209388
cis-1,3-Dichloropropene	ND		0.00476	1	01/19/2024 20:33	WG2209388
trans-1,3-Dichloropropene	ND		0.00953	1	01/19/2024 20:33	WG2209388
2,2-Dichloropropane	ND		0.00476	1	01/19/2024 20:33	WG2209388
Di-isopropyl ether	ND		0.00191	1	01/19/2024 20:33	WG2209388
Ethylbenzene	ND		0.00476	1	01/19/2024 20:33	WG2209388
Hexachloro-1,3-butadiene	ND		0.0476	1	01/19/2024 20:33	WG2209388
Isopropylbenzene	ND		0.00476	1	01/19/2024 20:33	WG2209388
p-Isopropyltoluene	ND		0.00953	1	01/19/2024 20:33	WG2209388
2-Butanone (MEK)	ND	C3	0.191	1	01/19/2024 20:33	WG2209388
Methylene Chloride	ND		0.0476	1	01/19/2024 20:33	WG2209388
4-Methyl-2-pentanone (MIBK)	ND		0.0476	1	01/19/2024 20:33	WG2209388
Methyl tert-butyl ether	ND		0.00191	1	01/19/2024 20:33	WG2209388
Naphthalene	ND	C3	0.0238	1	01/19/2024 20:33	WG2209388
n-Propylbenzene	ND		0.00953	1	01/19/2024 20:33	WG2209388
Styrene	ND		0.0238	1	01/19/2024 20:33	WG2209388
1,1,1,2-Tetrachloroethane	ND		0.00476	1	01/19/2024 20:33	WG2209388
1,1,2,2-Tetrachloroethane	ND		0.00476	1	01/19/2024 20:33	WG2209388
Tetrachloroethene	ND		0.00476	1	01/19/2024 20:33	WG2209388
Toluene	ND		0.00953	1	01/19/2024 20:33	WG2209388
1,2,3-Trichlorobenzene	ND		0.0238	1	01/19/2024 20:33	WG2209388
1,2,4-Trichlorobenzene	ND		0.0238	1	01/19/2024 20:33	WG2209388
1,1,1-Trichloroethane	ND		0.00476	1	01/19/2024 20:33	WG2209388
1,1,2-Trichloroethane	ND		0.00476	1	01/19/2024 20:33	WG2209388
Trichloroethene	ND		0.00191	1	01/19/2024 20:33	WG2209388
Trichlorofluoromethane	ND		0.00476	1	01/19/2024 20:33	WG2209388
1,2,3-Trichloropropane	ND		0.0238	1	01/19/2024 20:33	WG2209388
1,2,4-Trimethylbenzene	ND		0.00953	1	01/19/2024 20:33	WG2209388
1,3,5-Trimethylbenzene	ND		0.00953	1	01/19/2024 20:33	WG2209388
Vinyl chloride	ND		0.00476	1	01/19/2024 20:33	WG2209388
Xylenes, Total	ND		0.0124	1	01/19/2024 20:33	WG2209388
(S) Toluene-d8	*101*		*75.0-131*		*01/19/2024 20:33*	WG2209388
(S) 4-Bromofluorobenzene	*98.3*		*67.0-138*		*01/19/2024 20:33*	WG2209388
(S) 1,2-Dichloroethane-d4	*90.8*		*70.0-130*		*01/19/2024 20:33*	WG2209388

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	01/22/2024 16:30	WG2210058
Acenaphthylene	0.0744		0.0466	1	01/22/2024 16:30	WG2210058
Anthracene	0.111		0.0466	1	01/22/2024 16:30	WG2210058
Benzidine	ND		2.34	1	01/22/2024 16:30	WG2210058
Benzo(a)anthracene	0.346		0.0466	1	01/22/2024 16:30	WG2210058

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	0.695		0.0466	1	01/22/2024 16:30	WG2210058
Benzo(k)fluoranthene	0.238		0.0466	1	01/22/2024 16:30	WG2210058
Benzo(g,h,i)perylene	0.403		0.0466	1	01/22/2024 16:30	WG2210058
Benzo(a)pyrene	0.560		0.0466	1	01/22/2024 16:30	WG2210058
Bis(2-chlorethoxy)methane	ND		0.466	1	01/22/2024 16:30	WG2210058
Bis(2-chloroethyl)ether	ND		0.466	1	01/22/2024 16:30	WG2210058
2,2-Oxybis(1-Chloropropane)	ND		0.466	1	01/22/2024 16:30	WG2210058
4-Bromophenyl-phenylether	ND		0.466	1	01/22/2024 16:30	WG2210058
2-Chloronaphthalene	ND		0.0466	1	01/22/2024 16:30	WG2210058
4-Chlorophenyl-phenylether	ND		0.466	1	01/22/2024 16:30	WG2210058
Chrysene	0.291		0.0466	1	01/22/2024 16:30	WG2210058
Dibenz(a,h)anthracene	0.0920		0.0466	1	01/22/2024 16:30	WG2210058
3,3-Dichlorobenzidine	ND		0.466	1	01/22/2024 16:30	WG2210058
2,4-Dinitrotoluene	ND		0.466	1	01/22/2024 16:30	WG2210058
2,6-Dinitrotoluene	ND		0.466	1	01/22/2024 16:30	WG2210058
Fluoranthene	0.618		0.0466	1	01/22/2024 16:30	WG2210058
Fluorene	ND		0.0466	1	01/22/2024 16:30	WG2210058
Hexachlorobenzene	ND		0.466	1	01/22/2024 16:30	WG2210058
Hexachloro-1,3-butadiene	ND		0.466	1	01/22/2024 16:30	WG2210058
Hexachlorocyclopentadiene	ND		0.466	1	01/22/2024 16:30	WG2210058
Hexachloroethane	ND		0.466	1	01/22/2024 16:30	WG2210058
Indeno(1,2,3-cd)pyrene	0.426		0.0466	1	01/22/2024 16:30	WG2210058
Isophorone	ND		0.466	1	01/22/2024 16:30	WG2210058
Naphthalene	ND		0.0466	1	01/22/2024 16:30	WG2210058
Nitrobenzene	ND		0.466	1	01/22/2024 16:30	WG2210058
n-Nitrosodimethylamine	ND		0.466	1	01/22/2024 16:30	WG2210058
n-Nitrosodiphenylamine	ND		0.466	1	01/22/2024 16:30	WG2210058
n-Nitrosodi-n-propylamine	ND		0.466	1	01/22/2024 16:30	WG2210058
Phenanthrene	0.223		0.0466	1	01/22/2024 16:30	WG2210058
Benzylbutyl phthalate	ND		0.466	1	01/22/2024 16:30	WG2210058
Bis(2-ethylhexyl)phthalate	ND		0.466	1	01/22/2024 16:30	WG2210058
Di-n-butyl phthalate	ND		0.466	1	01/22/2024 16:30	WG2210058
Diethyl phthalate	ND		0.466	1	01/22/2024 16:30	WG2210058
Dimethyl phthalate	ND		0.466	1	01/22/2024 16:30	WG2210058
Di-n-octyl phthalate	ND		0.466	1	01/22/2024 16:30	WG2210058
Pyrene	0.583		0.0466	1	01/22/2024 16:30	WG2210058
1,2,4-Trichlorobenzene	ND		0.466	1	01/22/2024 16:30	WG2210058
4-Chloro-3-methylphenol	ND		0.466	1	01/22/2024 16:30	WG2210058
2-Chlorophenol	ND		0.466	1	01/22/2024 16:30	WG2210058
2,4-Dichlorophenol	ND		0.466	1	01/22/2024 16:30	WG2210058
2,4-Dimethylphenol	ND		0.466	1	01/22/2024 16:30	WG2210058
4,6-Dinitro-2-methylphenol	ND		0.466	1	01/22/2024 16:30	WG2210058
2,4-Dinitrophenol	ND		0.466	1	01/22/2024 16:30	WG2210058
2-Nitrophenol	ND		0.466	1	01/22/2024 16:30	WG2210058
4-Nitrophenol	ND		0.466	1	01/22/2024 16:30	WG2210058
Pentachlorophenol	ND		0.466	1	01/22/2024 16:30	WG2210058
Phenol	ND		0.466	1	01/22/2024 16:30	WG2210058
2,4,6-Trichlorophenol	ND		0.466	1	01/22/2024 16:30	WG2210058
(S) 2-Fluorophenol	*68.7*		*12.0-120*		*01/22/2024 16:30*	WG2210058
(S) Phenol-d5	*64.5*		*10.0-120*		*01/22/2024 16:30*	WG2210058
(S) Nitrobenzene-d5	*55.4*		*10.0-122*		*01/22/2024 16:30*	WG2210058
(S) 2-Fluorobiphenyl	*64.5*		*15.0-120*		*01/22/2024 16:30*	WG2210058
(S) 2,4,6-Tribromophenol	*78.7*		*10.0-127*		*01/22/2024 16:30*	WG2210058
(S) p-Terphenyl-d14	*77.1*		*10.0-120*		*01/22/2024 16:30*	WG2210058

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	69.1		1	01/19/2024 08:19	WG2209048

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	2.69		1.45	1	01/24/2024 00:23	WG2209357

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0579	1	01/20/2024 15:02	WG2209301

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		4.34	5	01/21/2024 18:26	WG2209286
Arsenic	ND		1.45	5	01/21/2024 18:26	WG2209286
Barium	87.4		3.62	5	01/21/2024 18:26	WG2209286
Beryllium	ND		3.62	5	01/21/2024 18:26	WG2209286
Cadmium	ND		1.45	5	01/21/2024 18:26	WG2209286
Chromium	187		28.9	20	01/21/2024 19:01	WG2209286
Cobalt	11.3		1.45	5	01/21/2024 18:26	WG2209286
Copper	46.6		7.23	5	01/21/2024 18:26	WG2209286
Lead	14.1		2.89	5	01/21/2024 18:26	WG2209286
Manganese	443		14.5	20	01/21/2024 19:01	WG2209286
Nickel	44.9		3.62	5	01/21/2024 18:26	WG2209286
Selenium	ND		3.62	5	01/21/2024 18:26	WG2209286
Silver	ND		0.723	5	01/21/2024 18:26	WG2209286
Thallium	ND		2.89	5	01/21/2024 18:26	WG2209286
Vanadium	160		14.5	20	01/21/2024 19:01	WG2209286
Zinc	43.4		36.2	5	01/21/2024 18:26	WG2209286

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		0.0985	1	01/21/2024 14:06	WG2210221
Acrylonitrile	ND		0.0246	1	01/21/2024 14:06	WG2210221
Benzene	0.00386		0.00197	1	01/21/2024 14:06	WG2210221
Bromobenzene	ND		0.0246	1	01/21/2024 14:06	WG2210221
Bromodichloromethane	ND		0.00493	1	01/21/2024 14:06	WG2210221
Bromoform	ND		0.0493	1	01/21/2024 14:06	WG2210221
Bromomethane	ND		0.0246	1	01/21/2024 14:06	WG2210221
n-Butylbenzene	ND		0.0246	1	01/21/2024 14:06	WG2210221
sec-Butylbenzene	ND		0.0246	1	01/21/2024 14:06	WG2210221
tert-Butylbenzene	ND		0.00985	1	01/21/2024 14:06	WG2210221
Carbon tetrachloride	ND		0.00985	1	01/21/2024 14:06	WG2210221
Chlorobenzene	ND		0.00493	1	01/21/2024 14:06	WG2210221
Chlorodibromomethane	ND		0.00493	1	01/21/2024 14:06	WG2210221
Chloroethane	ND	J4	0.00985	1	01/21/2024 14:06	WG2210221
Chloroform	ND		0.00493	1	01/21/2024 14:06	WG2210221
Chloromethane	ND		0.0246	1	01/21/2024 14:06	WG2210221
2-Chlorotoluene	ND		0.00493	1	01/21/2024 14:06	WG2210221
4-Chlorotoluene	ND		0.00985	1	01/21/2024 14:06	WG2210221
1,2-Dibromo-3-Chloropropane	ND	C3	0.0493	1	01/21/2024 14:06	WG2210221

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		0.00493	1	01/21/2024 14:06	WG2210221
Dibromomethane	ND		0.00985	1	01/21/2024 14:06	WG2210221
1,2-Dichlorobenzene	ND		0.00985	1	01/21/2024 14:06	WG2210221
1,3-Dichlorobenzene	ND		0.00985	1	01/21/2024 14:06	WG2210221
1,4-Dichlorobenzene	ND		0.00985	1	01/21/2024 14:06	WG2210221
Dichlorodifluoromethane	ND		0.00985	1	01/21/2024 14:06	WG2210221
1,1-Dichloroethane	ND		0.00493	1	01/21/2024 14:06	WG2210221
1,2-Dichloroethane	ND		0.00493	1	01/21/2024 14:06	WG2210221
1,1-Dichloroethene	ND		0.00493	1	01/21/2024 14:06	WG2210221
cis-1,2-Dichloroethene	ND		0.00493	1	01/21/2024 14:06	WG2210221
trans-1,2-Dichloroethene	ND		0.00985	1	01/21/2024 14:06	WG2210221
1,2-Dichloropropane	ND		0.00985	1	01/21/2024 14:06	WG2210221
1,1-Dichloropropene	ND		0.00493	1	01/21/2024 14:06	WG2210221
1,3-Dichloropropane	ND		0.00985	1	01/21/2024 14:06	WG2210221
cis-1,3-Dichloropropene	ND		0.00493	1	01/21/2024 14:06	WG2210221
trans-1,3-Dichloropropene	ND		0.00985	1	01/21/2024 14:06	WG2210221
2,2-Dichloropropane	ND		0.00493	1	01/21/2024 14:06	WG2210221
Di-isopropyl ether	ND		0.00197	1	01/21/2024 14:06	WG2210221
Ethylbenzene	ND		0.00493	1	01/21/2024 14:06	WG2210221
Hexachloro-1,3-butadiene	ND		0.0493	1	01/21/2024 14:06	WG2210221
Isopropylbenzene	ND		0.00493	1	01/21/2024 14:06	WG2210221
p-Isopropyltoluene	ND		0.00985	1	01/21/2024 14:06	WG2210221
2-Butanone (MEK)	ND	C3	0.197	1	01/21/2024 14:06	WG2210221
Methylene Chloride	ND		0.0493	1	01/21/2024 14:06	WG2210221
4-Methyl-2-pentanone (MIBK)	ND		0.0493	1	01/21/2024 14:06	WG2210221
Methyl tert-butyl ether	ND		0.00197	1	01/21/2024 14:06	WG2210221
Naphthalene	0.0337	C3	0.0246	1	01/21/2024 14:06	WG2210221
n-Propylbenzene	ND		0.00985	1	01/21/2024 14:06	WG2210221
Styrene	ND		0.0246	1	01/21/2024 14:06	WG2210221
1,1,1,2-Tetrachloroethane	ND		0.00493	1	01/21/2024 14:06	WG2210221
1,1,2,2-Tetrachloroethane	ND		0.00493	1	01/21/2024 14:06	WG2210221
Tetrachloroethene	ND		0.00493	1	01/21/2024 14:06	WG2210221
Toluene	0.0211		0.00985	1	01/21/2024 14:06	WG2210221
1,2,3-Trichlorobenzene	ND		0.0246	1	01/21/2024 14:06	WG2210221
1,2,4-Trichlorobenzene	ND		0.0246	1	01/21/2024 14:06	WG2210221
1,1,1-Trichloroethane	ND		0.00493	1	01/21/2024 14:06	WG2210221
1,1,2-Trichloroethane	ND		0.00493	1	01/21/2024 14:06	WG2210221
Trichloroethene	ND		0.00197	1	01/21/2024 14:06	WG2210221
Trichlorofluoromethane	ND		0.00493	1	01/21/2024 14:06	WG2210221
1,2,3-Trichloropropane	ND		0.0246	1	01/21/2024 14:06	WG2210221
1,2,4-Trimethylbenzene	ND		0.00985	1	01/21/2024 14:06	WG2210221
1,3,5-Trimethylbenzene	ND		0.00985	1	01/21/2024 14:06	WG2210221
Vinyl chloride	ND	J4	0.00493	1	01/21/2024 14:06	WG2210221
Xylenes, Total	0.0196		0.0128	1	01/21/2024 14:06	WG2210221
(S) Toluene-d8	*101*		*75.0-131*		*01/21/2024 14:06*	WG2210221
(S) 4-Bromofluorobenzene	*96.3*		*67.0-138*		*01/21/2024 14:06*	WG2210221
(S) 1,2-Dichloroethane-d4	*96.6*		*70.0-130*		*01/21/2024 14:06*	WG2210221

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		0.0482	1	01/22/2024 14:48	WG2210058
Acenaphthylene	ND		0.0482	1	01/22/2024 14:48	WG2210058
Anthracene	ND		0.0482	1	01/22/2024 14:48	WG2210058
Benzidine	ND		2.42	1	01/22/2024 14:48	WG2210058
Benzo(a)anthracene	0.156		0.0482	1	01/22/2024 14:48	WG2210058

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	0.213		0.0482	1	01/22/2024 14:48	WG2210058
Benzo(k)fluoranthene	0.0709		0.0482	1	01/22/2024 14:48	WG2210058
Benzo(g,h,i)perylene	0.141		0.0482	1	01/22/2024 14:48	WG2210058
Benzo(a)pyrene	0.178		0.0482	1	01/22/2024 14:48	WG2210058
Bis(2-chlorethoxy)methane	ND		0.482	1	01/22/2024 14:48	WG2210058
Bis(2-chloroethyl)ether	ND		0.482	1	01/22/2024 14:48	WG2210058
2,2-Oxybis(1-Chloropropane)	ND		0.482	1	01/22/2024 14:48	WG2210058
4-Bromophenyl-phenylether	ND		0.482	1	01/22/2024 14:48	WG2210058
2-Chloronaphthalene	ND		0.0482	1	01/22/2024 14:48	WG2210058
4-Chlorophenyl-phenylether	ND		0.482	1	01/22/2024 14:48	WG2210058
Chrysene	0.124		0.0482	1	01/22/2024 14:48	WG2210058
Dibenz(a,h)anthracene	ND		0.0482	1	01/22/2024 14:48	WG2210058
3,3-Dichlorobenzidine	ND		0.482	1	01/22/2024 14:48	WG2210058
2,4-Dinitrotoluene	ND		0.482	1	01/22/2024 14:48	WG2210058
2,6-Dinitrotoluene	ND		0.482	1	01/22/2024 14:48	WG2210058
Fluoranthene	0.308		0.0482	1	01/22/2024 14:48	WG2210058
Fluorene	ND		0.0482	1	01/22/2024 14:48	WG2210058
Hexachlorobenzene	ND		0.482	1	01/22/2024 14:48	WG2210058
Hexachloro-1,3-butadiene	ND		0.482	1	01/22/2024 14:48	WG2210058
Hexachlorocyclopentadiene	ND		0.482	1	01/22/2024 14:48	WG2210058
Hexachloroethane	ND		0.482	1	01/22/2024 14:48	WG2210058
Indeno(1,2,3-cd)pyrene	0.136		0.0482	1	01/22/2024 14:48	WG2210058
Isophorone	ND		0.482	1	01/22/2024 14:48	WG2210058
Naphthalene	ND		0.0482	1	01/22/2024 14:48	WG2210058
Nitrobenzene	ND		0.482	1	01/22/2024 14:48	WG2210058
n-Nitrosodimethylamine	ND		0.482	1	01/22/2024 14:48	WG2210058
n-Nitrosodiphenylamine	ND		0.482	1	01/22/2024 14:48	WG2210058
n-Nitrosodi-n-propylamine	ND		0.482	1	01/22/2024 14:48	WG2210058
Phenanthrene	0.152		0.0482	1	01/22/2024 14:48	WG2210058
Benzylbutyl phthalate	ND		0.482	1	01/22/2024 14:48	WG2210058
Bis(2-ethylhexyl)phthalate	ND		0.482	1	01/22/2024 14:48	WG2210058
Di-n-butyl phthalate	ND		0.482	1	01/22/2024 14:48	WG2210058
Diethyl phthalate	ND		0.482	1	01/22/2024 14:48	WG2210058
Dimethyl phthalate	ND		0.482	1	01/22/2024 14:48	WG2210058
Di-n-octyl phthalate	ND		0.482	1	01/22/2024 14:48	WG2210058
Pyrene	0.270		0.0482	1	01/22/2024 14:48	WG2210058
1,2,4-Trichlorobenzene	ND		0.482	1	01/22/2024 14:48	WG2210058
4-Chloro-3-methylphenol	ND		0.482	1	01/22/2024 14:48	WG2210058
2-Chlorophenol	ND		0.482	1	01/22/2024 14:48	WG2210058
2,4-Dichlorophenol	ND		0.482	1	01/22/2024 14:48	WG2210058
2,4-Dimethylphenol	ND		0.482	1	01/22/2024 14:48	WG2210058
4,6-Dinitro-2-methylphenol	ND		0.482	1	01/22/2024 14:48	WG2210058
2,4-Dinitrophenol	ND		0.482	1	01/22/2024 14:48	WG2210058
2-Nitrophenol	ND		0.482	1	01/22/2024 14:48	WG2210058
4-Nitrophenol	ND		0.482	1	01/22/2024 14:48	WG2210058
Pentachlorophenol	ND		0.482	1	01/22/2024 14:48	WG2210058
Phenol	ND		0.482	1	01/22/2024 14:48	WG2210058
2,4,6-Trichlorophenol	ND		0.482	1	01/22/2024 14:48	WG2210058
(S) 2-Fluorophenol	*71.9*		*12.0-120*		*01/22/2024 14:48*	WG2210058
(S) Phenol-d5	*66.1*		*10.0-120*		*01/22/2024 14:48*	WG2210058
(S) Nitrobenzene-d5	*57.4*		*10.0-122*		*01/22/2024 14:48*	WG2210058
(S) 2-Fluorobiphenyl	*68.8*		*15.0-120*		*01/22/2024 14:48*	WG2210058
(S) 2,4,6-Tribromophenol	*79.3*		*10.0-127*		*01/22/2024 14:48*	WG2210058
(S) p-Terphenyl-d14	*77.3*		*10.0-120*		*01/22/2024 14:48*	WG2210058

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	01/19/2024 13:38	WG2209214
Acrolein	ND		50.0	1	01/19/2024 13:38	WG2209214
Acrylonitrile	ND		10.0	1	01/19/2024 13:38	WG2209214
Benzene	ND		1.00	1	01/19/2024 13:38	WG2209214
Bromobenzene	ND		1.00	1	01/19/2024 13:38	WG2209214
Bromodichloromethane	ND		1.00	1	01/19/2024 13:38	WG2209214
Bromoform	ND		1.00	1	01/19/2024 13:38	WG2209214
Bromomethane	ND		5.00	1	01/19/2024 13:38	WG2209214
n-Butylbenzene	ND		1.00	1	01/19/2024 13:38	WG2209214
sec-Butylbenzene	ND		1.00	1	01/19/2024 13:38	WG2209214
tert-Butylbenzene	ND		1.00	1	01/19/2024 13:38	WG2209214
Carbon tetrachloride	ND		1.00	1	01/19/2024 13:38	WG2209214
Chlorobenzene	ND		1.00	1	01/19/2024 13:38	WG2209214
Chlorodibromomethane	ND		1.00	1	01/19/2024 13:38	WG2209214
Chloroethane	ND		5.00	1	01/19/2024 13:38	WG2209214
Chloroform	ND		5.00	1	01/19/2024 13:38	WG2209214
Chloromethane	ND		2.50	1	01/19/2024 13:38	WG2209214
2-Chlorotoluene	ND		1.00	1	01/19/2024 13:38	WG2209214
4-Chlorotoluene	ND		1.00	1	01/19/2024 13:38	WG2209214
1,2-Dibromo-3-Chloropropane	ND		5.00	1	01/19/2024 13:38	WG2209214
1,2-Dibromoethane	ND		1.00	1	01/19/2024 13:38	WG2209214
Dibromomethane	ND		1.00	1	01/19/2024 13:38	WG2209214
1,2-Dichlorobenzene	ND		1.00	1	01/19/2024 13:38	WG2209214
1,3-Dichlorobenzene	ND		1.00	1	01/19/2024 13:38	WG2209214
1,4-Dichlorobenzene	ND		1.00	1	01/19/2024 13:38	WG2209214
Dichlorodifluoromethane	ND		5.00	1	01/19/2024 13:38	WG2209214
1,1-Dichloroethane	ND		1.00	1	01/19/2024 13:38	WG2209214
1,2-Dichloroethane	ND		1.00	1	01/19/2024 13:38	WG2209214
1,1-Dichloroethene	ND		1.00	1	01/19/2024 13:38	WG2209214
cis-1,2-Dichloroethene	ND		1.00	1	01/19/2024 13:38	WG2209214
trans-1,2-Dichloroethene	ND		1.00	1	01/19/2024 13:38	WG2209214
1,2-Dichloropropane	ND		1.00	1	01/19/2024 13:38	WG2209214
1,1-Dichloropropene	ND		1.00	1	01/19/2024 13:38	WG2209214
1,3-Dichloropropane	ND		1.00	1	01/19/2024 13:38	WG2209214
cis-1,3-Dichloropropene	ND		1.00	1	01/19/2024 13:38	WG2209214
trans-1,3-Dichloropropene	ND		1.00	1	01/19/2024 13:38	WG2209214
2,2-Dichloropropane	ND		1.00	1	01/19/2024 13:38	WG2209214
Di-isopropyl ether	ND		1.00	1	01/19/2024 13:38	WG2209214
Ethylbenzene	ND		1.00	1	01/19/2024 13:38	WG2209214
Hexachloro-1,3-butadiene	ND		1.00	1	01/19/2024 13:38	WG2209214
Isopropylbenzene	ND		1.00	1	01/19/2024 13:38	WG2209214
p-Isopropyltoluene	ND		1.00	1	01/19/2024 13:38	WG2209214
2-Butanone (MEK)	ND		10.0	1	01/19/2024 13:38	WG2209214
Methylene Chloride	ND		5.00	1	01/19/2024 13:38	WG2209214
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	01/19/2024 13:38	WG2209214
Methyl tert-butyl ether	ND		1.00	1	01/19/2024 13:38	WG2209214
Naphthalene	ND		5.00	1	01/19/2024 13:38	WG2209214
n-Propylbenzene	ND		1.00	1	01/19/2024 13:38	WG2209214
Styrene	ND		1.00	1	01/19/2024 13:38	WG2209214
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/19/2024 13:38	WG2209214
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/19/2024 13:38	WG2209214
Tetrachloroethene	ND		1.00	1	01/19/2024 13:38	WG2209214
Toluene	ND		1.00	1	01/19/2024 13:38	WG2209214
1,2,3-Trichlorobenzene	ND		1.00	1	01/19/2024 13:38	WG2209214
1,2,4-Trichlorobenzene	ND		1.00	1	01/19/2024 13:38	WG2209214
1,1,1-Trichloroethane	ND		1.00	1	01/19/2024 13:38	WG2209214

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 ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		1.00	1	01/19/2024 13:38	WG2209214
Trichloroethene	ND		1.00	1	01/19/2024 13:38	WG2209214
Trichlorofluoromethane	ND		5.00	1	01/19/2024 13:38	WG2209214
1,2,3-Trichloropropane	ND		2.50	1	01/19/2024 13:38	WG2209214
1,2,4-Trimethylbenzene	ND		1.00	1	01/19/2024 13:38	WG2209214
1,3,5-Trimethylbenzene	ND		1.00	1	01/19/2024 13:38	WG2209214
Vinyl chloride	ND		1.00	1	01/19/2024 13:38	WG2209214
Xylenes, Total	ND		3.00	1	01/19/2024 13:38	WG2209214
(S) Toluene-d8	*112*		*80.0-120*		*01/19/2024 13:38*	WG2209214
(S) 4-Bromofluorobenzene	*108*		*77.0-126*		*01/19/2024 13:38*	WG2209214
(S) 1,2-Dichloroethane-d4	*95.9*		*70.0-130*		*01/19/2024 13:38*	WG2209214

Method Blank (MB)

(MB) R4024464-1 01/19/24 08:49

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

L1696754-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1696754-03 01/19/24 08:49 • (DUP) R4024464-3 01/19/24 08:49

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	81.9	81.1	1	0.916		10

Laboratory Control Sample (LCS)

(LCS) R4024464-2 01/19/24 08:49

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

Method Blank (MB)

(MB) R4024488-1 01/19/24 08:19

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

L1696758-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1696758-03 01/19/24 08:19 • (DUP) R4024488-3 01/19/24 08:19

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	82.2	82.8	1	0.733		10

Laboratory Control Sample (LCS)

(LCS) R4024488-2 01/19/24 08:19

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

Method Blank (MB)

(MB) R4025556-1 01/23/24 22:42

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

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) mg/kg	DUP Result (dry) mg/kg	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) 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) R4025556-2 01/23/24 22:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	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) 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	25.4	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)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg				%	%		%			%	%
Hexavalent Chromium	21.1	ND	21.7	16.9	103	80.3	1	75.0-125		J3	24.8	20

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)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	mg/kg	mg/kg	mg/kg	%		%	
Hexavalent Chromium	807	ND	661	81.9	50	75.0-125	

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)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	mg/kg			%		%	
Hexavalent Chromium	675	ND	588	87.0	50	75.0-125	

Method Blank (MB)

(MB) R4024605-1 01/20/24 13:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4024605-2 01/20/24 13:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.521	104	80.0-120	

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) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.610	ND	0.741	0.759	116	119	1	75.0-125			2.40	20

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	J	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

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

Method Blank (MB)

(MB) R4024754-1 01/21/24 17:56

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	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

Laboratory Control Sample (LCS)

(LCS) R4024754-9 01/21/24 18:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	96.7	96.7	80.0-120	
Arsenic	100	92.3	92.3	80.0-120	
Barium	100	84.1	84.1	80.0-120	
Beryllium	100	88.8	88.8	80.0-120	
Cadmium	100	97.9	97.9	80.0-120	
Chromium	100	94.6	94.6	80.0-120	
Cobalt	100	95.3	95.3	80.0-120	
Copper	100	92.5	92.5	80.0-120	
Lead	100	90.3	90.3	80.0-120	
Manganese	100	93.6	93.6	80.0-120	
Nickel	100	94.3	94.3	80.0-120	
Selenium	100	97.2	97.2	80.0-120	
Silver	20.0	18.6	93.1	80.0-120	
Thallium	100	91.1	91.1	80.0-120	
Vanadium	100	94.9	94.9	80.0-120	
Zinc	100	89.8	89.8	80.0-120	

L1696945-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696945-04 01/21/24 18:03 • (MS) R4024754-7 01/21/24 18:39 • (MSD) R4024754-8 01/21/24 18:43

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	111	ND	74.4	73.1	67.0	65.8	5	75.0-125	J6	J6	1.82	20
Arsenic	111	2.40	98.6	98.3	86.6	86.4	5	75.0-125			0.317	20
Barium	111	28.7	120	117	82.1	79.8	5	75.0-125			2.17	20
Beryllium	111	ND	93.6	94.5	84.3	85.1	5	75.0-125	E	E	0.988	20
Cadmium	111	ND	102	106	92.2	95.5	5	75.0-125			3.54	20
Chromium	111	13.9	110	113	87.0	89.1	5	75.0-125			2.15	20
Cobalt	111	22.6	119	119	86.6	86.5	5	75.0-125			0.0660	20
Copper	111	23.1	112	114	80.1	81.8	5	75.0-125			1.59	20
Lead	111	ND	92.4	95.1	82.8	85.2	5	75.0-125			2.84	20
Manganese	111	948	797	1020	0.000	60.4	5	75.0-125	V	J3 V	24.0	20
Nickel	111	25.5	117	113	82.6	78.8	5	75.0-125			3.75	20
Selenium	111	ND	102	104	91.9	93.7	5	75.0-125			1.96	20
Silver	22.2	ND	19.8	20.0	89.0	90.2	5	75.0-125			1.34	20
Thallium	111	ND	94.1	95.7	84.7	86.1	5	75.0-125			1.61	20
Vanadium	111	150	252	251	91.3	90.2	5	75.0-125			0.459	20
Zinc	111	50.8	120	122	61.9	63.8	5	75.0-125	J6	J6	1.69	20

Method Blank (MB)

(MB) R4024906-3 01/19/24 10:45

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4024906-3 01/19/24 10:45

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	*113*			*80.0-120*
(S) 4-Bromofluorobenzene	*107*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.4*			*70.0-130*

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

(LCS) R4024906-1 01/19/24 09:12 • (LCSD) R4024906-2 01/19/24 09:35

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	21.4	20.9	85.6	83.6	19.0-160			2.36	27
Acrolein	25.0	21.2	20.6	84.8	82.4	10.0-160			2.87	26
Acrylonitrile	25.0	23.8	23.3	95.2	93.2	55.0-149			2.12	20
Benzene	5.00	4.88	4.68	97.6	93.6	70.0-123			4.18	20
Bromobenzene	5.00	4.76	4.67	95.2	93.4	73.0-121			1.91	20
Bromodichloromethane	5.00	4.93	4.90	98.6	98.0	75.0-120			0.610	20

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

(LCS) R4024906-1 01/19/24 09:12 • (LCSD) R4024906-2 01/19/24 09:35

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	4.92	4.81	98.4	96.2	68.0-132			2.26	20
Bromomethane	5.00	4.65	5.42	93.0	108	10.0-160			15.3	25
n-Butylbenzene	5.00	4.88	4.88	97.6	97.6	73.0-125			0.000	20
sec-Butylbenzene	5.00	4.98	4.97	99.6	99.4	75.0-125			0.201	20
tert-Butylbenzene	5.00	5.29	4.69	106	93.8	76.0-124			12.0	20
Carbon tetrachloride	5.00	5.08	5.09	102	102	68.0-126			0.197	20
Chlorobenzene	5.00	5.10	5.11	102	102	80.0-121			0.196	20
Chlorodibromomethane	5.00	5.20	5.39	104	108	77.0-125			3.59	20
Chloroethane	5.00	6.53	5.83	131	117	47.0-150			11.3	20
Chloroform	5.00	4.81	4.64	96.2	92.8	73.0-120			3.60	20
Chloromethane	5.00	4.43	4.58	88.6	91.6	41.0-142			3.33	20
2-Chlorotoluene	5.00	4.64	4.59	92.8	91.8	76.0-123			1.08	20
4-Chlorotoluene	5.00	4.68	4.80	93.6	96.0	75.0-122			2.53	20
1,2-Dibromo-3-Chloropropane	5.00	4.70	4.65	94.0	93.0	58.0-134			1.07	20
1,2-Dibromoethane	5.00	5.22	5.26	104	105	80.0-122			0.763	20
Dibromomethane	5.00	4.89	4.82	97.8	96.4	80.0-120			1.44	20
1,2-Dichlorobenzene	5.00	4.79	4.79	95.8	95.8	79.0-121			0.000	20
1,3-Dichlorobenzene	5.00	4.87	4.86	97.4	97.2	79.0-120			0.206	20
1,4-Dichlorobenzene	5.00	4.73	4.73	94.6	94.6	79.0-120			0.000	20
Dichlorodifluoromethane	5.00	4.89	4.61	97.8	92.2	51.0-149			5.89	20
1,1-Dichloroethane	5.00	4.78	4.81	95.6	96.2	70.0-126			0.626	20
1,2-Dichloroethane	5.00	4.93	4.74	98.6	94.8	70.0-128			3.93	20
1,1-Dichloroethene	5.00	5.48	5.55	110	111	71.0-124			1.27	20
cis-1,2-Dichloroethene	5.00	4.91	4.82	98.2	96.4	73.0-120			1.85	20
trans-1,2-Dichloroethene	5.00	4.87	4.80	97.4	96.0	73.0-120			1.45	20
1,2-Dichloropropane	5.00	4.92	4.83	98.4	96.6	77.0-125			1.85	20
1,1-Dichloropropene	5.00	5.08	4.92	102	98.4	74.0-126			3.20	20
1,3-Dichloropropane	5.00	5.08	5.09	102	102	80.0-120			0.197	20
cis-1,3-Dichloropropene	5.00	4.76	4.69	95.2	93.8	80.0-123			1.48	20
trans-1,3-Dichloropropene	5.00	5.17	5.27	103	105	78.0-124			1.92	20
2,2-Dichloropropane	5.00	5.26	5.04	105	101	58.0-130			4.27	20
Di-isopropyl ether	5.00	4.87	4.77	97.4	95.4	58.0-138			2.07	20
Ethylbenzene	5.00	5.19	5.16	104	103	79.0-123			0.580	20
Hexachloro-1,3-butadiene	5.00	5.06	5.17	101	103	54.0-138			2.15	20
Isopropylbenzene	5.00	5.13	5.17	103	103	76.0-127			0.777	20
p-Isopropyltoluene	5.00	4.92	4.89	98.4	97.8	76.0-125			0.612	20
2-Butanone (MEK)	25.0	22.7	22.2	90.8	88.8	44.0-160			2.23	20
Methylene Chloride	5.00	4.83	4.80	96.6	96.0	67.0-120			0.623	20
4-Methyl-2-pentanone (MIBK)	25.0	24.8	24.4	99.2	97.6	68.0-142			1.63	20
Methyl tert-butyl ether	5.00	4.77	4.72	95.4	94.4	68.0-125			1.05	20

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

(LCS) R4024906-1 01/19/24 09:12 • (LCSD) R4024906-2 01/19/24 09:35

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	4.56	4.64	91.2	92.8	54.0-135			1.74	20
n-Propylbenzene	5.00	4.82	4.85	96.4	97.0	77.0-124			0.620	20
Styrene	5.00	5.07	4.90	101	98.0	73.0-130			3.41	20
1,1,1,2-Tetrachloroethane	5.00	5.41	5.42	108	108	75.0-125			0.185	20
1,1,2,2-Tetrachloroethane	5.00	5.02	4.83	100	96.6	65.0-130			3.86	20
Tetrachloroethene	5.00	5.58	5.44	112	109	72.0-132			2.54	20
Toluene	5.00	5.18	5.15	104	103	79.0-120			0.581	20
1,2,3-Trichlorobenzene	5.00	4.93	4.92	98.6	98.4	50.0-138			0.203	20
1,2,4-Trichlorobenzene	5.00	4.84	4.79	96.8	95.8	57.0-137			1.04	20
1,1,1-Trichloroethane	5.00	5.25	5.01	105	100	73.0-124			4.68	20
1,1,2-Trichloroethane	5.00	5.29	5.36	106	107	80.0-120			1.31	20
Trichloroethene	5.00	4.79	4.73	95.8	94.6	78.0-124			1.26	20
Trichlorofluoromethane	5.00	5.23	5.13	105	103	59.0-147			1.93	20
1,2,3-Trichloropropane	5.00	5.04	5.23	101	105	73.0-130			3.70	20
1,2,4-Trimethylbenzene	5.00	4.73	4.71	94.6	94.2	76.0-121			0.424	20
1,3,5-Trimethylbenzene	5.00	4.79	4.81	95.8	96.2	76.0-122			0.417	20
Vinyl chloride	5.00	4.74	4.71	94.8	94.2	67.0-131			0.635	20
Xylenes, Total	15.0	15.3	15.3	102	102	79.0-123			0.000	20
(S) Toluene-d8				*112*	*112*	*80.0-120*				
(S) 4-Bromofluorobenzene				*109*	*108*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*96.1*	*95.7*	*70.0-130*				

Method Blank (MB)

(MB) R4024768-2 01/19/24 12:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4024768-2 01/19/24 12:02

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	*99.1*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*93.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4024768-1 01/19/24 10:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.605	96.8	10.0-160	
Acrylonitrile	0.625	0.588	94.1	45.0-153	
Benzene	0.125	0.117	93.6	70.0-123	
Bromobenzene	0.125	0.128	102	73.0-121	
Bromodichloromethane	0.125	0.120	96.0	73.0-121	
Bromoform	0.125	0.118	94.4	64.0-132	
Bromomethane	0.125	0.145	116	56.0-147	

Laboratory Control Sample (LCS)

(LCS) R4024768-1 01/19/24 10:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
n-Butylbenzene	0.125	0.118	94.4	68.0-135	
sec-Butylbenzene	0.125	0.125	100	74.0-130	
tert-Butylbenzene	0.125	0.123	98.4	75.0-127	
Carbon tetrachloride	0.125	0.108	86.4	66.0-128	
Chlorobenzene	0.125	0.131	105	76.0-128	
Chlorodibromomethane	0.125	0.125	100	74.0-127	
Chloroethane	0.125	0.182	146	61.0-134	J4
Chloroform	0.125	0.120	96.0	72.0-123	
Chloromethane	0.125	0.112	89.6	51.0-138	
2-Chlorotoluene	0.125	0.133	106	75.0-124	
4-Chlorotoluene	0.125	0.119	95.2	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.0994	79.5	59.0-130	
1,2-Dibromoethane	0.125	0.126	101	74.0-128	
Dibromomethane	0.125	0.120	96.0	75.0-122	
1,2-Dichlorobenzene	0.125	0.129	103	76.0-124	
1,3-Dichlorobenzene	0.125	0.123	98.4	76.0-125	
1,4-Dichlorobenzene	0.125	0.123	98.4	77.0-121	
Dichlorodifluoromethane	0.125	0.123	98.4	43.0-156	
1,1-Dichloroethane	0.125	0.117	93.6	70.0-127	
1,2-Dichloroethane	0.125	0.109	87.2	65.0-131	
1,1-Dichloroethene	0.125	0.122	97.6	65.0-131	
cis-1,2-Dichloroethene	0.125	0.118	94.4	73.0-125	
trans-1,2-Dichloroethene	0.125	0.111	88.8	71.0-125	
1,2-Dichloropropane	0.125	0.121	96.8	74.0-125	
1,1-Dichloropropene	0.125	0.116	92.8	73.0-125	
1,3-Dichloropropane	0.125	0.124	99.2	80.0-125	
cis-1,3-Dichloropropene	0.125	0.118	94.4	76.0-127	
trans-1,3-Dichloropropene	0.125	0.122	97.6	73.0-127	
2,2-Dichloropropane	0.125	0.118	94.4	59.0-135	
Di-isopropyl ether	0.125	0.118	94.4	60.0-136	
Ethylbenzene	0.125	0.131	105	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.157	126	57.0-150	
Isopropylbenzene	0.125	0.134	107	72.0-127	
p-Isopropyltoluene	0.125	0.132	106	72.0-133	
2-Butanone (MEK)	0.625	0.412	65.9	30.0-160	
Methylene Chloride	0.125	0.115	92.0	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.589	94.2	56.0-143	
Methyl tert-butyl ether	0.125	0.118	94.4	66.0-132	
Naphthalene	0.125	0.0972	77.8	59.0-130	
n-Propylbenzene	0.125	0.114	91.2	74.0-126	

Laboratory Control Sample (LCS)

(LCS) R4024768-1 01/19/24 10:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Styrene	0.125	0.123	98.4	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.137	110	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.107	85.6	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	0.133	106	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.137	110	62.0-137	
1,1,1-Trichloroethane	0.125	0.114	91.2	69.0-126	
1,1,2-Trichloroethane	0.125	0.123	98.4	78.0-123	
Trichloroethene	0.125	0.136	109	76.0-126	
Trichlorofluoromethane	0.125	0.124	99.2	61.0-142	
1,2,3-Trichloropropane	0.125	0.108	86.4	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.114	91.2	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.116	92.8	73.0-127	
Vinyl chloride	0.125	0.140	112	63.0-134	
Xylenes, Total	0.375	0.370	98.7	72.0-127	
(S) Toluene-d8			*99.8*	*75.0-131*	
(S) 4-Bromofluorobenzene			*99.1*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*89.9*	*70.0-130*	

L1696556-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696556-07 01/19/24 17:54 • (MS) R4024768-3 01/19/24 20:53 • (MSD) R4024768-4 01/19/24 21:12

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	1.20	ND	0.711	0.782	59.0	64.9	1.43	10.0-160			9.56	40
Acrylonitrile	1.20	ND	1.01	0.912	83.7	75.8	1.43	10.0-160			9.95	40
Benzene	0.241	ND	0.119	0.151	49.2	62.6	1.43	10.0-149			23.9	37
Bromobenzene	0.241	ND	0.166	0.187	68.7	77.7	1.43	10.0-156			12.2	38
Bromodichloromethane	0.241	ND	0.151	0.179	62.6	74.3	1.43	10.0-143			17.1	37
Bromoform	0.241	ND	0.183	0.206	76.0	85.5	1.43	10.0-146			11.8	36
Bromomethane	0.241	ND	0.160	0.171	66.5	70.9	1.43	10.0-149			6.50	38
n-Butylbenzene	0.241	ND	0.144	0.168	59.8	69.8	1.43	10.0-160			15.5	40
sec-Butylbenzene	0.241	ND	0.144	0.156	59.8	64.8	1.43	10.0-159			8.07	39
tert-Butylbenzene	0.241	ND	0.135	0.156	55.9	64.8	1.43	10.0-156			14.8	39
Carbon tetrachloride	0.241	ND	0.0894	0.106	37.1	43.8	1.43	10.0-145			16.6	37
Chlorobenzene	0.241	ND	0.159	0.182	65.9	75.4	1.43	10.0-152			13.4	39
Chlorodibromomethane	0.241	ND	0.178	0.202	73.7	83.8	1.43	10.0-146			12.8	37
Chloroethane	0.241	ND	0.0654	0.0801	27.2	33.2	1.43	10.0-146			20.2	40

L1696556-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696556-07 01/19/24 17:54 • (MS) R4024768-3 01/19/24 20:53 • (MSD) R4024768-4 01/19/24 21:12

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	0.241	ND	0.131	0.164	54.5	68.2	1.43	10.0-146			22.2	37
Chloromethane	0.241	ND	0.113	0.126	47.1	52.2	1.43	10.0-159			10.2	37
2-Chlorotoluene	0.241	ND	0.153	0.148	63.7	61.5	1.43	10.0-159			3.57	38
4-Chlorotoluene	0.241	ND	0.143	0.163	59.2	67.6	1.43	10.0-155			13.2	39
1,2-Dibromo-3-Chloropropane	0.241	ND	0.163	0.202	67.6	83.8	1.43	10.0-151			21.4	39
1,2-Dibromoethane	0.241	ND	0.191	0.226	79.3	93.9	1.43	10.0-148			16.8	34
Dibromomethane	0.241	ND	0.170	0.219	70.4	91.1	1.43	10.0-147			25.6	35
1,2-Dichlorobenzene	0.241	ND	0.184	0.202	76.5	83.8	1.43	10.0-155			9.06	37
1,3-Dichlorobenzene	0.241	ND	0.160	0.179	66.5	74.3	1.43	10.0-153			11.1	38
1,4-Dichlorobenzene	0.241	ND	0.167	0.183	69.3	76.0	1.43	10.0-151			9.23	38
Dichlorodifluoromethane	0.241	ND	0.110	0.117	45.5	48.7	1.43	10.0-160			6.88	35
1,1-Dichloroethane	0.241	ND	0.115	0.131	47.7	54.2	1.43	10.0-147			12.7	37
1,2-Dichloroethane	0.241	ND	0.129	0.194	53.5	80.4	1.43	10.0-148		J3	40.2	35
1,1-Dichloroethene	0.241	ND	0.128	0.143	53.1	59.2	1.43	10.0-155			10.9	37
cis-1,2-Dichloroethene	0.241	ND	0.126	0.161	52.3	67.0	1.43	10.0-149			24.7	37
trans-1,2-Dichloroethene	0.241	ND	0.100	0.114	41.6	47.4	1.43	10.0-150			13.0	37
1,2-Dichloropropane	0.241	ND	0.153	0.182	63.7	75.4	1.43	10.0-148			16.9	37
1,1-Dichloropropene	0.241	ND	0.113	0.136	47.0	56.4	1.43	10.0-153			18.1	35
1,3-Dichloropropane	0.241	ND	0.195	0.214	81.0	88.8	1.43	10.0-154			9.21	35
cis-1,3-Dichloropropene	0.241	ND	0.157	0.176	65.4	73.2	1.43	10.0-151			11.3	37
trans-1,3-Dichloropropene	0.241	ND	0.172	0.201	71.5	83.2	1.43	10.0-148			15.2	37
2,2-Dichloropropane	0.241	ND	0.0826	0.0820	34.3	34.0	1.43	10.0-138			0.818	36
Di-isopropyl ether	0.241	ND	0.132	0.143	54.9	59.2	1.43	10.0-147			7.54	36
Ethylbenzene	0.241	ND	0.139	0.166	57.5	68.7	1.43	10.0-160			17.7	38
Hexachloro-1,3-butadiene	0.241	ND	0.198	0.206	82.1	85.5	1.43	10.0-160			4.00	40
Isopropylbenzene	0.241	ND	0.148	0.163	61.5	67.6	1.43	10.0-155			9.52	38
p-Isopropyltoluene	0.241	ND	0.151	0.160	62.6	66.5	1.43	10.0-160			6.06	40
2-Butanone (MEK)	1.20	ND	0.825	0.490	68.5	40.7	1.43	10.0-160		J3	51.0	40
Methylene Chloride	0.241	ND	0.151	0.155	62.6	64.2	1.43	10.0-141			2.64	37
4-Methyl-2-pentanone (MIBK)	1.20	ND	1.01	1.19	84.2	99.0	1.43	10.0-160			16.1	35
Methyl tert-butyl ether	0.241	ND	0.219	0.252	91.1	104	1.43	11.0-147			13.7	35
Naphthalene	0.241	ND	0.182	0.234	75.4	97.2	1.43	10.0-160			25.2	36
n-Propylbenzene	0.241	ND	0.126	0.137	52.2	57.0	1.43	10.0-158			8.70	38
Styrene	0.241	ND	0.148	0.168	61.5	69.8	1.43	10.0-160			12.8	40
1,1,1,2-Tetrachloroethane	0.241	ND	0.168	0.198	69.8	82.1	1.43	10.0-149			16.2	39
1,1,2,2-Tetrachloroethane	0.241	ND	0.167	0.196	69.3	81.6	1.43	10.0-160			16.3	35
Tetrachloroethene	0.241	0.0536	0.183	0.211	53.7	65.5	1.43	10.0-156			14.3	39
Toluene	0.241	ND	0.137	0.159	57.0	65.9	1.43	10.0-156			14.5	38
1,2,3-Trichlorobenzene	0.241	ND	0.237	0.297	98.3	123	1.43	10.0-160			22.7	40

L1696556-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696556-07 01/19/24 17:54 • (MS) R4024768-3 01/19/24 20:53 • (MSD) R4024768-4 01/19/24 21:12

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	0.241	ND	0.225	0.254	93.3	106	1.43	10.0-160			12.4	40
1,1,1-Trichloroethane	0.241	ND	0.0999	0.106	41.5	44.1	1.43	10.0-144			6.14	35
1,1,2-Trichloroethane	0.241	ND	0.201	0.229	83.2	95.0	1.43	10.0-160			13.2	35
Trichloroethene	0.241	ND	0.145	0.157	60.3	65.4	1.43	10.0-156			8.00	38
Trichlorofluoromethane	0.241	ND	0.112	0.117	46.4	48.7	1.43	10.0-160			4.82	40
1,2,3-Trichloropropane	0.241	ND	0.171	0.209	70.9	86.6	1.43	10.0-156			19.9	35
1,2,4-Trimethylbenzene	0.241	ND	0.140	0.153	58.1	63.7	1.43	10.0-160			9.17	36
1,3,5-Trimethylbenzene	0.241	ND	0.135	0.151	55.9	62.6	1.43	10.0-160			11.3	38
Vinyl chloride	0.241	ND	0.132	0.145	55.0	60.3	1.43	10.0-160			9.30	37
Xylenes, Total	0.723	ND	0.436	0.483	60.3	66.9	1.43	10.0-160			10.2	38
(S) Toluene-d8					*99.9*	*101*		*75.0-131*				
(S) 4-Bromofluorobenzene					*98.1*	*101*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*94.1*	*94.1*		*70.0-130*				

Method Blank (MB)

(MB) R4025317-2 01/21/24 13:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4025317-2 01/21/24 13:05

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	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4025317-1 01/21/24 11:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.574	91.8	10.0-160	
Acrylonitrile	0.625	0.524	83.8	45.0-153	
Benzene	0.125	0.126	101	70.0-123	
Bromobenzene	0.125	0.130	104	73.0-121	
Bromodichloromethane	0.125	0.126	101	73.0-121	
Bromoform	0.125	0.117	93.6	64.0-132	
Bromomethane	0.125	0.174	139	56.0-147	

Laboratory Control Sample (LCS)

(LCS) R4025317-1 01/21/24 11:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
n-Butylbenzene	0.125	0.119	95.2	68.0-135	
sec-Butylbenzene	0.125	0.125	100	74.0-130	
tert-Butylbenzene	0.125	0.128	102	75.0-127	
Carbon tetrachloride	0.125	0.123	98.4	66.0-128	
Chlorobenzene	0.125	0.133	106	76.0-128	
Chlorodibromomethane	0.125	0.131	105	74.0-127	
Chloroethane	0.125	0.201	161	61.0-134	J4
Chloroform	0.125	0.135	108	72.0-123	
Chloromethane	0.125	0.135	108	51.0-138	
2-Chlorotoluene	0.125	0.122	97.6	75.0-124	
4-Chlorotoluene	0.125	0.126	101	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.0979	78.3	59.0-130	
1,2-Dibromoethane	0.125	0.127	102	74.0-128	
Dibromomethane	0.125	0.125	100	75.0-122	
1,2-Dichlorobenzene	0.125	0.125	100	76.0-124	
1,3-Dichlorobenzene	0.125	0.125	100	76.0-125	
1,4-Dichlorobenzene	0.125	0.125	100	77.0-121	
Dichlorodifluoromethane	0.125	0.133	106	43.0-156	
1,1-Dichloroethane	0.125	0.126	101	70.0-127	
1,2-Dichloroethane	0.125	0.121	96.8	65.0-131	
1,1-Dichloroethene	0.125	0.136	109	65.0-131	
cis-1,2-Dichloroethene	0.125	0.127	102	73.0-125	
trans-1,2-Dichloroethene	0.125	0.124	99.2	71.0-125	
1,2-Dichloropropane	0.125	0.129	103	74.0-125	
1,1-Dichloropropene	0.125	0.119	95.2	73.0-125	
1,3-Dichloropropane	0.125	0.127	102	80.0-125	
cis-1,3-Dichloropropene	0.125	0.128	102	76.0-127	
trans-1,3-Dichloropropene	0.125	0.130	104	73.0-127	
2,2-Dichloropropane	0.125	0.125	100	59.0-135	
Di-isopropyl ether	0.125	0.135	108	60.0-136	
Ethylbenzene	0.125	0.130	104	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.153	122	57.0-150	
Isopropylbenzene	0.125	0.130	104	72.0-127	
p-Isopropyltoluene	0.125	0.134	107	72.0-133	
2-Butanone (MEK)	0.625	0.398	63.7	30.0-160	
Methylene Chloride	0.125	0.125	100	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.613	98.1	56.0-143	
Methyl tert-butyl ether	0.125	0.121	96.8	66.0-132	
Naphthalene	0.125	0.0898	71.8	59.0-130	
n-Propylbenzene	0.125	0.117	93.6	74.0-126	

Laboratory Control Sample (LCS)

(LCS) R4025317-1 01/21/24 11:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Styrene	0.125	0.124	99.2	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.141	113	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.112	89.6	68.0-128	
Tetrachloroethene	0.125	0.144	115	70.0-136	
Toluene	0.125	0.131	105	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.126	101	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.137	110	62.0-137	
1,1,1-Trichloroethane	0.125	0.123	98.4	69.0-126	
1,1,2-Trichloroethane	0.125	0.134	107	78.0-123	
Trichloroethene	0.125	0.141	113	76.0-126	
Trichlorofluoromethane	0.125	0.137	110	61.0-142	
1,2,3-Trichloropropane	0.125	0.115	92.0	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.117	93.6	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.120	96.0	73.0-127	
Vinyl chloride	0.125	0.169	135	63.0-134	J4
Xylenes, Total	0.375	0.375	100	72.0-127	
(S) Toluene-d8			*97.6*	*75.0-131*	
(S) 4-Bromofluorobenzene			*92.7*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*94.6*	*70.0-130*	

Method Blank (MB)

(MB) R4025265-2 01/22/24 10:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333

Method Blank (MB)

(MB) R4025265-2 01/22/24 10:43

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	*84.2*			*12.0-120*
(S) Phenol-d5	*78.2*			*10.0-120*
(S) Nitrobenzene-d5	*67.3*			*10.0-122*
(S) 2-Fluorobiphenyl	*80.2*			*15.0-120*
(S) 2,4,6-Tribromophenol	*83.3*			*10.0-127*
(S) p-Terphenyl-d14	*88.6*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4025265-1 01/22/24 10:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.542	81.4	38.0-120	
Acenaphthylene	0.666	0.550	82.6	40.0-120	
Anthracene	0.666	0.566	85.0	42.0-120	
Benzidine	1.33	0.444	33.4	10.0-120	
Benzo(a)anthracene	0.666	0.603	90.5	44.0-120	
Benzo(b)fluoranthene	0.666	0.594	89.2	43.0-120	
Benzo(k)fluoranthene	0.666	0.554	83.2	44.0-120	
Benzo(g,h,i)perylene	0.666	0.665	99.8	43.0-120	
Benzo(a)pyrene	0.666	0.601	90.2	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.425	63.8	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.501	75.2	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.482	72.4	23.0-120	
4-Bromophenyl-phenylether	0.666	0.524	78.7	40.0-120	
2-Chloronaphthalene	0.666	0.527	79.1	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R4025265-1 01/22/24 10:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	0.666	0.561	84.2	40.0-120	
Chrysene	0.666	0.573	86.0	43.0-120	
Dibenz(a,h)anthracene	0.666	0.635	95.3	44.0-120	
3,3-Dichlorobenzidine	1.33	1.08	81.2	28.0-120	
2,4-Dinitrotoluene	0.666	0.632	94.9	45.0-120	
2,6-Dinitrotoluene	0.666	0.596	89.5	42.0-120	
Fluoranthene	0.666	0.567	85.1	44.0-120	
Fluorene	0.666	0.547	82.1	41.0-120	
Hexachlorobenzene	0.666	0.540	81.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.416	62.5	15.0-120	
Hexachlorocyclopentadiene	0.666	0.382	57.4	15.0-120	
Hexachloroethane	0.666	0.491	73.7	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.599	89.9	45.0-120	
Isophorone	0.666	0.387	58.1	23.0-120	
Naphthalene	0.666	0.411	61.7	18.0-120	
Nitrobenzene	0.666	0.378	56.8	17.0-120	
n-Nitrosodimethylamine	0.666	0.415	62.3	10.0-125	
n-Nitrosodiphenylamine	0.666	0.531	79.7	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.446	67.0	26.0-120	
Phenanthrene	0.666	0.542	81.4	42.0-120	
Benzylbutyl phthalate	0.666	0.658	98.8	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.667	100	41.0-120	
Di-n-butyl phthalate	0.666	0.575	86.3	43.0-120	
Diethyl phthalate	0.666	0.602	90.4	43.0-120	
Dimethyl phthalate	0.666	0.559	83.9	43.0-120	
Di-n-octyl phthalate	0.666	0.678	102	40.0-120	
Pyrene	0.666	0.590	88.6	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.436	65.5	17.0-120	
4-Chloro-3-methylphenol	0.666	0.419	62.9	28.0-120	
2-Chlorophenol	0.666	0.527	79.1	28.0-120	
2,4-Dichlorophenol	0.666	0.436	65.5	25.0-120	
2,4-Dimethylphenol	0.666	0.566	85.0	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.522	78.4	16.0-120	
2,4-Dinitrophenol	0.666	0.418	62.8	10.0-120	
2-Nitrophenol	0.666	0.486	73.0	20.0-120	
4-Nitrophenol	0.666	0.580	87.1	27.0-120	
Pentachlorophenol	0.666	0.459	68.9	29.0-120	
Phenol	0.666	0.509	76.4	28.0-120	
2,4,6-Trichlorophenol	0.666	0.552	82.9	37.0-120	
(S) 2-Fluorophenol			*84.7*	*12.0-120*	

Laboratory Control Sample (LCS)

(LCS) R4025265-1 01/22/24 10:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*77.8*	*10.0-120*	
(S) Nitrobenzene-d5			*51.4*	*10.0-122*	
(S) 2-Fluorobiphenyl			*79.3*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*91.1*	*10.0-127*	
(S) p-Terphenyl-d14			*88.3*	*10.0-120*	

L1696754-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696754-02 01/22/24 13:46 • (MS) R4025265-3 01/22/24 14:07 • (MSD) R4025265-4 01/22/24 14:27

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	0.805	ND	0.542	0.572	67.4	70.8	1	18.0-120			5.29	32
Acenaphthylene	0.805	ND	0.534	0.575	66.3	71.3	1	25.0-120			7.52	32
Anthracene	0.805	ND	0.532	0.559	66.2	69.3	1	22.0-120			4.94	29
Benzidine	1.61	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(a)anthracene	0.805	ND	0.578	0.611	69.7	73.6	1	25.0-120			5.57	29
Benzo(b)fluoranthene	0.805	ND	0.578	0.600	68.7	71.2	1	19.0-122			3.75	31
Benzo(k)fluoranthene	0.805	ND	0.530	0.551	64.9	67.3	1	23.0-120			3.86	30
Benzo(g,h,i)perylene	0.805	ND	0.593	0.636	71.6	76.7	1	10.0-120			6.99	33
Benzo(a)pyrene	0.805	ND	0.578	0.596	69.2	71.3	1	24.0-120			3.13	30
Bis(2-chlorethoxy)methane	0.805	ND	0.436	0.459	54.1	56.8	1	10.0-120			5.21	34
Bis(2-chloroethyl)ether	0.805	ND	0.568	0.621	70.6	76.9	1	10.0-120			8.88	40
2,2-Oxybis(1-Chloropropane)	0.805	ND	0.474	0.517	58.8	64.0	1	10.0-120			8.67	40
4-Bromophenyl-phenylether	0.805	ND	0.514	0.530	63.9	65.7	1	27.0-120			3.06	30
2-Chloronaphthalene	0.805	ND	0.517	0.556	64.2	68.8	1	20.0-120			7.32	32
4-Chlorophenyl-phenylether	0.805	ND	0.548	0.594	68.1	73.6	1	24.0-120			7.95	29
Chrysene	0.805	ND	0.545	0.577	65.8	69.6	1	21.0-120			5.69	29
Dibenz(a,h)anthracene	0.805	ND	0.586	0.618	72.9	76.6	1	10.0-120			5.30	32
3,3-Dichlorobenzidine	1.61	ND	ND	ND	14.5	22.5	1	10.0-120		J3	43.9	34
2,4-Dinitrotoluene	0.805	ND	0.627	0.665	77.9	82.4	1	30.0-120			5.89	31
2,6-Dinitrotoluene	0.805	ND	0.594	0.640	73.8	79.3	1	25.0-120			7.55	31
Fluoranthene	0.805	ND	0.553	0.574	65.3	67.7	1	18.0-126			3.70	32
Fluorene	0.805	ND	0.537	0.577	66.8	71.4	1	25.0-120			7.05	30
Hexachlorobenzene	0.805	ND	0.517	0.551	64.2	68.2	1	27.0-120			6.44	28
Hexachloro-1,3-butadiene	0.805	ND	0.426	0.470	52.9	58.2	1	10.0-120			9.86	38
Hexachlorocyclopentadiene	0.805	ND	ND	ND	25.0	22.9	1	10.0-120			8.25	40
Hexachloroethane	0.805	ND	0.445	0.471	55.3	58.4	1	10.0-120			5.62	40
Indeno(1,2,3-cd)pyrene	0.805	ND	0.546	0.571	66.1	68.9	1	10.0-120			4.40	32
Isophorone	0.805	ND	ND	0.420	50.5	52.0	1	13.0-120			3.27	34

L1696754-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696754-02 01/22/24 13:46 • (MS) R4025265-3 01/22/24 14:07 • (MSD) R4025265-4 01/22/24 14:27

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	0.805	ND	0.412	0.439	51.2	54.4	1	10.0-120			6.34	35
Nitrobenzene	0.805	ND	ND	0.411	48.0	50.9	1	10.0-120			6.15	36
n-Nitrosodimethylamine	0.805	ND	ND	0.416	49.7	51.5	1	10.0-127			3.91	40
n-Nitrosodiphenylamine	0.805	ND	0.490	0.509	60.8	63.1	1	17.0-120			3.93	29
n-Nitrosodi-n-propylamine	0.805	ND	0.448	0.474	55.6	58.7	1	10.0-120			5.59	37
Phenanthrene	0.805	ND	0.532	0.562	64.0	67.4	1	17.0-120			5.38	31
Benzylbutyl phthalate	0.805	ND	0.636	0.663	79.0	82.1	1	23.0-120			4.16	30
Bis(2-ethylhexyl)phthalate	0.805	ND	0.696	0.713	77.8	79.7	1	17.0-126			2.44	30
Di-n-butyl phthalate	0.805	ND	0.548	0.577	68.1	71.4	1	30.0-120			5.02	29
Diethyl phthalate	0.805	ND	0.598	0.638	74.2	79.0	1	26.0-120			6.55	28
Dimethyl phthalate	0.805	ND	0.573	0.600	71.2	74.3	1	25.0-120			4.60	29
Di-n-octyl phthalate	0.805	ND	0.671	0.717	83.4	88.8	1	21.0-123			6.54	29
Pyrene	0.805	ND	0.564	0.588	66.1	68.8	1	16.0-121			4.05	32
1,2,4-Trichlorobenzene	0.805	ND	0.433	0.469	53.8	58.1	1	12.0-120			7.89	37
4-Chloro-3-methylphenol	0.805	ND	0.450	0.454	55.9	56.2	1	15.0-120			0.814	30
2-Chlorophenol	0.805	ND	0.520	0.564	64.6	69.9	1	15.0-120			8.14	37
2,4-Dichlorophenol	0.805	ND	0.459	0.481	57.0	59.6	1	20.0-120			4.70	31
2,4-Dimethylphenol	0.805	ND	0.562	0.584	69.8	72.3	1	10.0-120			3.85	33
4,6-Dinitro-2-methylphenol	0.805	ND	0.525	0.535	65.2	66.3	1	10.0-120			1.85	39
2,4-Dinitrophenol	0.805	ND	0.561	0.574	69.7	71.1	1	10.0-121			2.38	40
2-Nitrophenol	0.805	ND	0.517	0.536	64.2	66.4	1	12.0-120			3.73	39
4-Nitrophenol	0.805	ND	0.659	0.699	81.9	86.6	1	10.0-137			5.96	32
Pentachlorophenol	0.805	ND	0.577	0.605	71.6	74.9	1	10.0-160			4.78	31
Phenol	0.805	ND	0.508	0.535	63.1	66.3	1	12.0-120			5.18	38
2,4,6-Trichlorophenol	0.805	ND	0.583	0.633	72.4	78.4	1	19.0-120			8.27	32
(S) 2-Fluorophenol					*68.1*	*69.3*		*12.0-120*				
(S) Phenol-d5					*64.0*	*64.6*		*10.0-120*				
(S) Nitrobenzene-d5					*46.3*	*46.2*		*10.0-122*				
(S) 2-Fluorobiphenyl					*64.0*	*64.1*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*79.0*	*75.4*		*10.0-127*				
(S) p-Terphenyl-d14					*69.8*	*67.2*		*10.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
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.
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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
S&ME Inc. - Raleigh NC

3201 Spring Forest Road
Raleigh, NC 27616

Billing Information:
Accounts Payable
3201 Spring Forest Rd.

(smeinc_invoice@concursolution

Pres Chk

Report to:
Mr. Jerry Paul

Email To: **jpaul@smeinc.com**

Project Description:
~~Northgate Park~~ Lyon 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	Metals 2ozClr-NoPres	SPLP/TCLP 8011 4ozClr-NoPres	SV8270,TS 4ozClr-NoPres	V8260 40mlAmb-HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr	SVOCs 8270	8 Metals 6020	Mercury 7471	Hex. Chrome 7199	Remarks	Sample # (lab only)
822-SB-06	C	SS	0-1	1/15/24	1310	4	X	X	X		X	X	X	X	X		-01
822-SB-07	↓	SS	↓	↓	1315	4	X	X	X		X	↓	↓	↓	↓		-02
822-SB-08		SS			1320	4	X	X	X		X						-03
822-SB-15		SS			1325	4	X	X	X		X						-04
822-SB-24		SS			1335	4	X	X	X		X						-05
822-SB-25		SS			1330	4	X	X	X		X						-06
Trip Blank		SS				4	X	X	X	X	X						-07
		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 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 # L1804784

Tab E082

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 2919

Sample Receipt Checklist
Custody Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	1/15/24	1445			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.8 °C Bottles Received: 24	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition:
			Jonathan Paredes	1-17-2024 1300	NCF / OK

ANALYTICAL REPORT

February 11, 2024

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

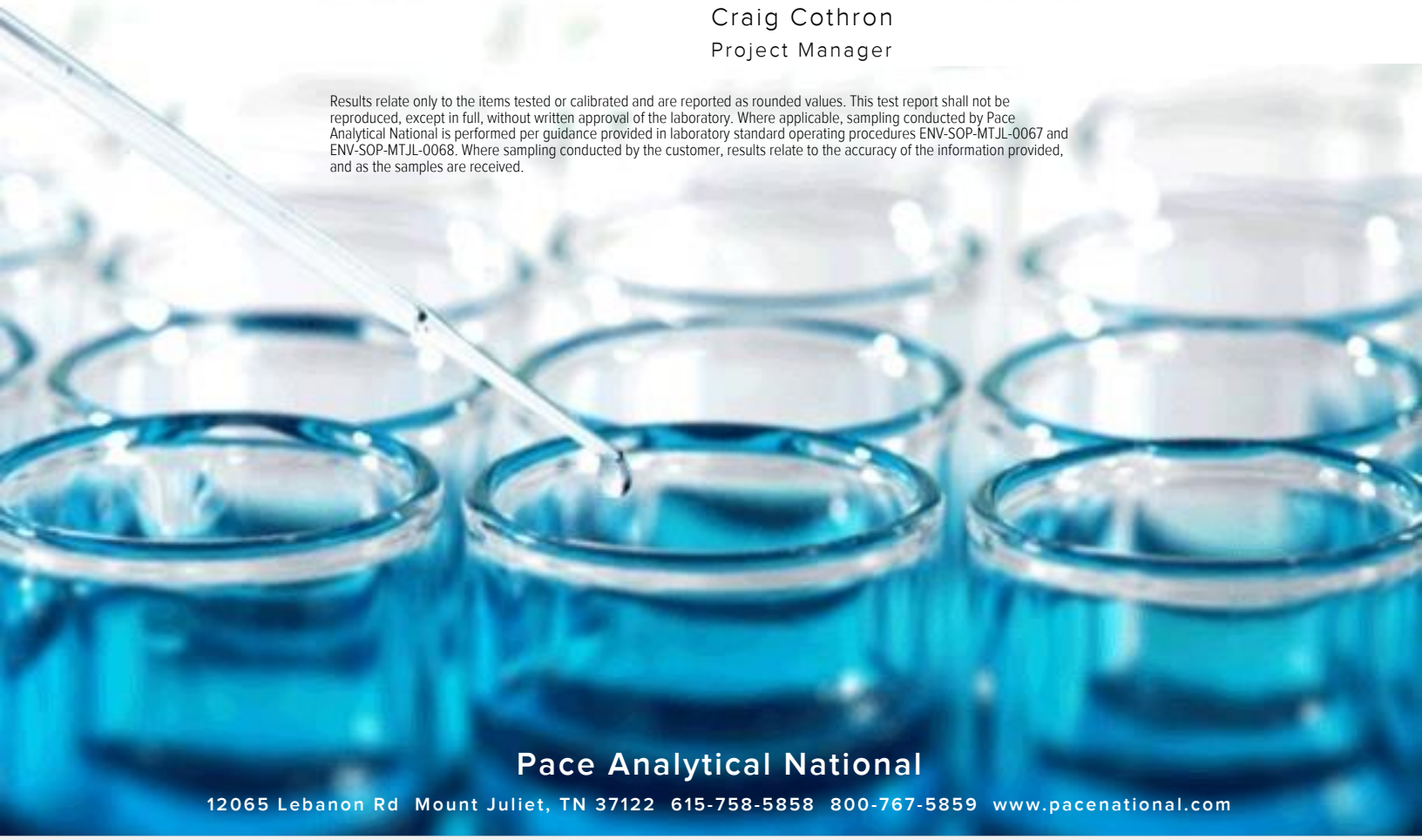
S&ME Inc. - Raleigh NC

Sample Delivery Group:	L1701647
Samples Received:	12/21/2023
Project Number:	23050630
Description:	Lyon 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

TABLE OF CONTENTS

SAMPLE SUMMARY

822-SB-01 L1701647-01 Leachate

Collected by: Chelsea Parra | Collected date/time: 12/20/23 09:55 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1312	WG2218537	1	02/05/24 14:08	02/05/24 14:08	JWS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2220934	1	02/06/24 12:46	02/06/24 18:01	LD	Mt. Juliet, TN

822-SB-11 L1701647-02 Leachate

Collected by: Chelsea Parra | Collected date/time: 12/20/23 11:20 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1312	WG2218537	1	02/05/24 14:08	02/05/24 14:08	JWS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2220934	1	02/06/24 12:46	02/06/24 18:15	LD	Mt. Juliet, TN

822-SB-32 L1701647-03 Leachate

Collected by: Chelsea Parra | Collected date/time: 12/20/23 14:55 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1312	WG2220565	1	02/07/24 12:05	02/07/24 12:05	JWS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2223817	1.29	02/10/24 06:53	02/10/24 13:39	JPD	Mt. Juliet, TN

822-SB-01 L1701647-04 Waste

Collected by: Chelsea Parra | Collected date/time: 12/20/23 09:55 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2219937	1	02/05/24 15:00	02/05/24 15:00	PNK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2221713	1	02/07/24 12:49	02/07/24 18:36	JPD	Mt. Juliet, TN

822-SB-11 L1701647-05 Waste

Collected by: Chelsea Parra | Collected date/time: 12/20/23 11:20 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2219937	1	02/06/24 08:17	02/06/24 08:17	PNK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2221713	1	02/07/24 12:49	02/07/24 18:50	JPD	Mt. Juliet, TN

822-SB-32 L1701647-06 Waste

Collected by: Chelsea Parra | Collected date/time: 12/20/23 14:55 | Received date/time: 12/21/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2219937	1	02/06/24 12:18	02/06/24 12:18	PNK	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2221713	1	02/07/24 12:49	02/07/24 18:53	JPD	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

Sample Delivery Group (SDG) Narrative

Sample quantity was not sufficient to complete analysis per recommended method guidelines for the following samples.

Lab Sample ID	Project Sample ID	Method
L1701647-03	822-SB-32	1312

Preparation by Method 1311/1312

Analyte	Result	Qualifier	Prep date / time	Batch
SPLP Extraction	-		2/5/2024 2:08:44 PM	WG2218537
Final pH	6.87		2/5/2024 2:08:44 PM	WG2218537

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	51.5	J6	2.00	1	02/06/2024 18:01	WG2220934

Preparation by Method 1311/1312

Analyte	Result	Qualifier	Prep date / time	Batch
SPLP Extraction	-		2/5/2024 2:08:44 PM	WG2218537
Final pH	7.16		2/5/2024 2:08:44 PM	WG2218537

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
	ug/l		ug/l			
Lead	161		2.00	1	02/06/2024 18:15	WG2220934

Preparation by Method 1311/1312

Analyte	Result	Qualifier	Prep date / time	Batch
SPLP Extraction	-		2/7/2024 12:05:03 PM	WG2220565
Final pH	7.49		2/7/2024 12:05:03 PM	WG2220565

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	101		2.58	1.29	02/10/2024 13:39	WG2223817

Preparation by Method 1311/1312

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		2/5/2024 3:00:51 PM	WG2219937
Initial pH	5.56		2/5/2024 3:00:51 PM	WG2219937
Final pH	5.54		2/5/2024 3:00:51 PM	WG2219937

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	0.316		0.0200		1	02/07/2024 18:36	WG2221713

Preparation by Method 1311/1312

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		2/6/2024 8:17:41 AM	WG2219937
Initial pH	5.59		2/6/2024 8:17:41 AM	WG2219937
Final pH	5.85		2/6/2024 8:17:41 AM	WG2219937

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	0.156		0.0200		1	02/07/2024 18:50	WG2221713

Preparation by Method 1311/1312

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		2/6/2024 12:18:50 PM	WG2219937
Initial pH	7.67		2/6/2024 12:18:50 PM	WG2219937
Final pH	5.52		2/6/2024 12:18:50 PM	WG2219937

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Lead	0.121		0.0200		1	02/07/2024 18:53	WG2221713

QUALITY CONTROL SUMMARY

L1701647-01,02

Method Blank (MB)

(MB) R4030532-1 02/06/24 17:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Lead	U		0.849	2.00

Laboratory Control Sample (LCS)

(LCS) R4030532-2 02/06/24 17:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	50.0	48.1	96.2	80.0-120	

L1701647-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701647-01 02/06/24 18:01 • (MS) R4030532-4 02/06/24 18:08 • (MSD) R4030532-5 02/06/24 18:11

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	51.5	104	87.4	105	71.8	1	75.0-125		J6	17.4	20

Method Blank (MB)

(MB) R4032243-1 02/10/24 13:32

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Lead	U		0.849	2.00

Laboratory Control Sample (LCS)

(LCS) R4032243-2 02/10/24 13:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	50.0	49.4	98.8	80.0-120	

L1701647-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701647-03 02/10/24 13:39 • (MS) R4032243-4 02/10/24 13:46 • (MSD) R4032243-5 02/10/24 13:49

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	64.3	101	155	168	84.0	103	1.29	75.0-125			7.66	20

Method Blank (MB)

(MB) R4031102-1 02/07/24 18:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Lead	U		0.00240	0.0200

Laboratory Control Sample (LCS)

(LCS) R4031102-2 02/07/24 18:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	0.500	0.537	107	80.0-120	

L1701647-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1701647-04 02/07/24 18:36 • (MS) R4031102-4 02/07/24 18:43 • (MSD) R4031102-5 02/07/24 18:46

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	0.316	0.794	0.837	95.6	104	1	75.0-125			5.28	20

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
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
S&ME Inc. - Raleigh NC

3201 Spring Forest Road
Raleigh, NC 27616

Billing Information:
Accounts Payable
3201 Spring Forest Rd.

(smeinc_invoice@concursolution

Report to:
Mr. Jerry Paul

Email To: jpaul@smeinc.com

Project Description:
Lyon Park

City/State Collected: Durham, NC

Please Circle: PT MT CT (ET)

Phone: 919-872-2660

Client Project #
23050630

Lab Project #
SMERLNC-LYONPARK

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

Date Results Needed

Quote #

Analysis / Container / Preservative

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 acknowledgement and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1701647
D039
NV 2/2/24

Acctnum: SMERLNC
Template: T243575
Prelogin: P1043721
PM: 034 - Craig Cothron
PB:
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PBG 2oz Clr-NoPres	SPLP/TCLP HOLD 4oz Clr-NoPres	TS 4oz Clr-NoPres	V8260 40ml Amb-HCl-Blk	V8260 40ml Amb/MeOH 10ml/Syr	SVOC's 8270	18 Metals 6020	Mercury 7471	Hex Chrom 7199			Remarks	Sample # (lab only)
S22-SB-01	C	SS	(0-1)	12/20/23	0955	4	X	X	X		X	X	X	X	X				-01
S22-SB-02		SS			1000	4	X	X	X		X								-02
S22-SB-03		SS			1005	4	X	X	X		X								-03
S22-SB-04		SS			1030	4	X	X	X		X								-04
S22-SB-05		SS			1035	4	X	X	X		X								-05
S22-SB-10		SS			1115	4	X	X	X		X								-10
S22-SB-11		SS			1120	4	X	X	X		X								-02/05
S22-SB-12		SS			1135	4	X	X	X		X								-06
S22-SB-13		SS			1140	4	X	X	X		X								-09
S22-SB-14	↓	SS	↓	↓	1145	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 2985

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR
CP	12/20/23	1630		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 40
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12/21/23 Time: 1000

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@concursolution

Report to:
Mr. Jerry Paul

Email To: jpaul@smeinc.com

Project Description:
Lyon Park

City/State Collected: Durham, NC

Please Circle: PT MT CT (ET)

Phone: **919-872-2660**

Client Project #
2305030

Lab Project #
SMERLNC-LYONPARK

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

Analysis / Container / Preservative

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 # ~~L1701610~~ D040 L1701647

Acctnum: **SMERLNC**
Template: **T243575**
Prelogin: **P1043721**
PM: **034 - Craig Cothron**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PBG 2ozClr-NoPres	SPLP/TCLP HOLD 4ozClr-NoPres	TS 4ozClr-NoPres	V8260 40mlAmb-HCl-Blk	V8260 40mlAmb/MeOH10ml/Syr	SVOCs 8270	18 Metals 6020	Mercury 7471	Hex. Chrom. 7199	Remarks	Sample # (lab only)
822-SB-20	C	SS	0-1	12/20/23	1345	4	X	X	X		X						~~01~~
822-SB-21		SS			1350	4	X	X	X		X	X	X	X	X		~~02~~
~~TRIP BLANK~~ 822-SB-22		~~GW~~ SS			1210	~~1~~ 4	X	X	X	~~X~~	X						~~03~~
~~TRIP BLANK~~ 822-SB-23		~~GW~~ SS			1155	~~1~~ 4	X	X	X	~~X~~	X						~~04~~
~~TRIP BLANK~~ 822-SB-29		~~GW~~ SS			1425	~~1~~ 4	X	X	X	~~X~~	X	X	X	X	X		~~05~~
822-SB-30		SS			1430	4	X	X	X		X	X	X	X	X		~~06~~
822-SB-31		SS			1445	4	X	X	X		X	X	X	X	X		~~07~~
822-SB-32		SS			1455	4	X	X	X		X						~~08~~
822-SB-36		SS			1450	4	X	X	X		X	X	X	X	X		~~09~~
Trip Blank		~~SS~~ GW				~~4~~ 1	X	X	X	X	X						~~10~~

CW CP

.03/06

* 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 #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
CP	12/20/23	1630		2
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 36
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12/21/23 Time: 1000

If preservation required by Login: Date/Time

Hr

Condition: NCF / OK

L1690596 / L1690610 SMERLNC relog

R5

Per client request relog the following for TCLP and SPLP PBG

822-SB-01 - L1690596-01
822-SB-11 - L1690596-07
822-SB-32 - L1690610-08

Time estimate: oh **Time spent:** oh

Members

CC Craig Cothron

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:	Lyon Park
Site Address:	1101 Cornell St & 1200 W. Lakewood Ave, Durham NC 27704
DEQ Section:	NONCD0000821
Site ID:	S&ME Project No. 23050630
Exposure Unit ID:	821 - 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: 821 - Only VOC detections were input into the risk calculator

Note: Risk output will only be calculated for complete exposure pathways.

Receptor	Pathway	Check box if pathway complete
DIRECT CONTACT SOIL AND WATER PATHWAYS		
Resident	Soil	☑
	Groundwater Use	☐
Non-Residential Worker	Soil	☑
	Groundwater Use	☐
Construction Worker	Soil	☑
Recreator/Trespasser	Soil	☑
	Surface Water	☐
VAPOR INTRUSION PATHWAYS		
Resident	Groundwater to Indoor Air	☐
	Soil Gas to Indoor Air	☐
	Indoor Air	☐
Non-Residential Worker	Groundwater to Indoor Air	☐
	Soil Gas to Indoor Air	☐
	Indoor Air	☐
CONTAMINANT MIGRATION PATHWAYS		
Groundwater	Source Soil	☐
	Source Groundwater	☐
Surface Water	Source Soil	☐
	Source Groundwater	☐

Exposure Point Concentrations **Input Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: S&ME Project No. 23050630

Exposure Unit ID: 821 - 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
0.405		67-64-1	Acetone			mg/kg	822-SB-13									
0.0201		71-43-2	Benzene			mg/kg	822-SB-15									
626		7439-92-1	~Lead and Compounds			mg/kg	822-SB-01									
0.0127		1634-04-4	Methyl tert-Butyl Ether (MTBE)			mg/kg	822-SB-13									
0.224		91-20-3	~Naphthalene		C3	mg/kg	822-SB-05									
0.13		100-42-5	Styrene			mg/kg	822-SB-39									
0.13		127-18-4	Tetrachloroethylene			mg/kg	822-SB-39									
0.0253		108-88-3	Toluene			mg/kg	822-SB-10									
0.0107		95-63-6	Trimethylbenzene, 1,2,4-			mg/kg	822-SB-05									
0.031		1330-20-7	Xylenes			mg/kg	822-SB-05									

Risk for Individual Pathways **Output Form 1A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: S&ME Project No. 23050630

Exposure Unit ID: 821 - 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	1.3E-07	3.3E-03	NO
	Groundwater Use*	NC	NC	NC
Non-Residential Worker	Soil	3.0E-08	6.8E-04	NO
	Groundwater Use*	NC	NC	NC
Construction Worker	Soil	4.9E-09	3.3E-03	NO
Recreator/Trespasser	Soil	3.4E-08	4.4E-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.

Sitewide Risk **Output Form 1B**

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: 821 - Only VOC detections were input into the risk calculator

		Resident - Current Scenario			Resident - Future Scenario			Non-Residential Worker - Current Scenario			Non-Residential Worker - Future Scenario			Construction Worker			Recreator/Trespasser		
Receptor	**Pathway**	**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	☑	1.3E-07	3.3E-03	☑	1.3E-07	3.3E-03												
	Groundwater Use*	☐	NM	NM	☐	NM	NM												
Non-Residential Worker	Soil							☑	3.0E-08	6.8E-04	☑	3.0E-08	6.8E-04						
	Groundwater Use*							☐	NM	NM	☐	NM	NM						
Construction Worker	Soil													☑	4.9E-09	3.3E-03			
Recreator/Trespasser	Soil																☑	3.4E-08	4.4E-04
	Surface Water Use*																☐	NM	NM
VAPOR INTRUSION CALCULATORS																			
Resident	Groundwater to Indoor Air	☐	NM	NM	☐	NM	NM												
	Soil Gas to Indoor Air	☐	NM	NM	☐	NM	NM												
	Indoor Air	☐	NM	NM	☐	NM	NM												
Non-Residential Worker	Groundwater to Indoor Air							☐	NM	NM	☐	NM	NM						
	Soil Gas to Indoor Air							☐	NM	NM	☐	NM	NM						
	Indoor Air							☐	NM	NM	☐	NM	NM						
TOTAL SITEWIDE RISK FOR EACH RECEPTOR			1.3E-07	3.3E-03		1.3E-07	3.3E-03		3.0E-08	6.8E-04		3.0E-08	6.8E-04		4.9E-09	3.3E-03		3.4E-08	4.4E-04

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
4. NC = Pathway not calculated

DEQ Risk Calculator - Direct Contact - Resident Soil **Output Form 2A**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: S&ME Project No. 23050630

Exposure Unit ID: 821 - 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	0.405	0.405	0.405					5.8E-06			5.8E-06
71-43-2	Benzene	0.0201	0.0201	0.0201	1.6E-09		1.5E-08	1.6E-08	6.4E-05		1.7E-04	2.3E-04
7439-92-1	~Lead and Compounds	626	626	626					**>SL****	**>SL****	**>SL****	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	0.0127	0.0127	0.0127	3.3E-11		2.3E-10	2.6E-10			7.8E-07	7.8E-07
91-20-3	~Naphthalene	0.224	0.224	0.224	3.9E-08	1.4E-08	5.5E-08	1.1E-07	1.4E-04	4.4E-05	1.5E-03	1.6E-03
100-42-5	Styrene	0.13	0.13	0.13					8.3E-06		1.3E-05	2.1E-05
127-18-4	Tetrachloroethylene	0.13	0.13	0.13	3.9E-10		3.8E-09	4.2E-09	2.8E-04		9.9E-04	1.3E-03
108-88-3	Toluene	0.0253	0.0253	0.0253					4.0E-06		1.1E-06	5.1E-06
95-63-6	Trimethylbenzene, 1,2,4-	0.0107	0.0107	0.0107					1.4E-05		2.0E-05	3.4E-05
1330-20-7	Xylenes	0.031	0.031	0.031					2.0E-06		4.9E-05	5.1E-05
						Cumulative:		1.3E-07				3.3E-03

DEQ Risk Calculator - Direct Contact - Non-Residential Worker Soil **Output Form 2C**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: S&ME Project No. 23050630

Exposure Unit ID: 821 - 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	0.405	0.405	0.405					3.9E-07			3.9E-07
71-43-2	Benzene	0.0201	0.0201	0.0201	3.4E-10		3.4E-09	3.7E-09	4.3E-06		4.1E-05	4.5E-05
7439-92-1	~Lead and Compounds	626	626	626					**<SL****	**<SL****	**<SL****	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	0.0127	0.0127	0.0127	7.0E-12		5.2E-11	5.9E-11			1.9E-07	1.9E-07
91-20-3	~Naphthalene	0.224	0.224	0.224	8.2E-09	4.5E-09	1.3E-08	2.5E-08	9.6E-06	5.3E-06	3.5E-04	3.6E-04
100-42-5	Styrene	0.13	0.13	0.13					5.6E-07		3.0E-06	3.5E-06
127-18-4	Tetrachloroethylene	0.13	0.13	0.13	8.3E-11		8.8E-10	9.6E-10	1.9E-05		2.4E-04	2.5E-04
108-88-3	Toluene	0.0253	0.0253	0.0253					2.7E-07		2.5E-07	5.2E-07
95-63-6	Trimethylbenzene, 1,2,4-	0.0107	0.0107	0.0107					9.2E-07		4.8E-06	5.7E-06
1330-20-7	Xylenes	0.031	0.031	0.031					1.3E-07		1.2E-05	1.2E-05
						Cumulative:		3.0E-08				6.8E-04

DEQ Risk Calculator - Direct Contact - Construction Worker Soil **Output Form 2E**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: S&ME Project No. 23050630

Exposure Unit ID: 821 - 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	0.405	0.405	0.405					2.0E-06			2.0E-06
71-43-2	Benzene	0.0201	0.0201	0.0201	4.5E-11		6.4E-10	6.9E-10	5.9E-06		7.5E-05	8.1E-05
7439-92-1	~Lead and Compounds	626	626	626					**<SL****	**<SL****	**<SL****	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	0.0127	0.0127	0.0127	9.2E-13		9.8E-12	1.1E-11			9.2E-07	9.2E-07
91-20-3	~Naphthalene	0.224	0.224	0.224	1.1E-09	4.5E-10	2.4E-09	3.9E-09	1.1E-06	4.6E-07	1.7E-03	1.7E-03
100-42-5	Styrene	0.13	0.13	0.13					1.9E-06		4.9E-06	6.8E-06
127-18-4	Tetrachloroethylene	0.13	0.13	0.13	1.1E-11		2.1E-10	2.2E-10	4.8E-05		1.4E-03	1.5E-03
108-88-3	Toluene	0.0253	0.0253	0.0253					9.3E-08		1.3E-06	1.3E-06
95-63-6	Trimethylbenzene, 1,2,4-	0.0107	0.0107	0.0107					7.9E-07		7.2E-06	8.0E-06
1330-20-7	Xylenes	0.031	0.031	0.031					2.3E-07		1.4E-05	1.5E-05
						Cumulative:		4.9E-09				3.3E-03

DEQ Risk Calculator - Direct Contact - Recreator/Trespasser Soil **Output Form 2F**

Version Date: February 2024

Basis: November 2023 EPA RSL Table

Site ID: S&ME Project No. 23050630

Exposure Unit ID: 821 - 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	0.405	0.405	0.405					3.2E-06			3.2E-06
71-43-2	Benzene	0.0201	0.0201	0.0201	8.9E-10		6.9E-10	1.6E-09	3.6E-05		7.9E-06	4.4E-05
7439-92-1	~Lead and Compounds	626	626	626					**>SL****	**>SL****	**>SL****	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	0.0127	0.0127	0.0127	1.8E-11		1.0E-11	2.9E-11			3.6E-08	3.6E-08
91-20-3	~Naphthalene	0.224	0.224	0.224	2.2E-08	7.9E-09	2.6E-09	3.2E-08	8.0E-05	2.5E-05	6.7E-05	1.7E-04
100-42-5	Styrene	0.13	0.13	0.13					4.6E-06		5.8E-07	5.2E-06
127-18-4	Tetrachloroethylene	0.13	0.13	0.13	2.2E-10		1.8E-10	4.0E-10	1.5E-04		4.6E-05	2.0E-04
108-88-3	Toluene	0.0253	0.0253	0.0253					2.3E-06		4.9E-08	2.3E-06
95-63-6	Trimethylbenzene, 1,2,4-	0.0107	0.0107	0.0107					7.6E-06		9.4E-07	8.6E-06
1330-20-7	Xylenes	0.031	0.031	0.031					1.1E-06		2.3E-06	3.4E-06
						Cumulative:		3.4E-08				4.4E-04