Inspired Solutions
by Nova Group

LIMITED SUBSURFACE INVESTIGATION REPORT

VACANT LAND TRACT
SEC OF RAMONA EXPRESSWAY AND NEVADA ROAD
PERRIS, CA 92571

PREPARED FOR:

PERRIS LANDCO LLC
201 SPEAR STREET
SAN FRANCISCO, CA 94105

PREPARED BY:

NOVA GROUP, GBC
3901 ARLINGTON HIGHLANDS BOULEVARD, SUITE 200
ARLINGTON, TX 76018

VANESSA CHAMBERS
SVP – SOUTHERN REGIONAL MANAGER
TEL: (281) 889-3054

REPORT DATE: AUGUST 3, 2022

NOVA PROJECT NO. V22-6752

TABLE OF CONTENTS

FIGURES

TABLE

APPENDICES

1.0 INTRODUCTION

1.1 Authorization

In accordance with the authorization received from Perris Landco LLC (the Client) on June 24, 2022, Nova has conducted a Limited Subsurface Investigation (LSI) at the Vacant Land Tract located at the southeast corner (SEC) of Ramona Expressway and Nevada Road in Perris, CA (the Site). A topographic map of the Site is attached as **Figure 1**. A Site Location Map is attached as **Figure 2**, and a Sample Location Map is attached as **Figure 3**.

1.2 Background

Nova completed a Phase I Environmental Site Assessment (ESA) at the Site dated May 14, 2021. The May 2021 Phase I ESA identified the following finding:

- Given that the Site historically has been utilized for agricultural purposes, there is a potential that agricultural-related chemicals, such as pesticides, herbicides, and fertilizers may have been used and/or stored on the Site. If present, the residual amounts of pesticides and herbicides are typically found in surficial soils (zero to two feet below grade). It is anticipated that Site development activities, such as grading and filling (if necessary), will reduce any concentrations of these materials. Furthermore, any planned building foot-prints and pavements will "cap" these materials. Should residential development be proposed, limited soil sampling should be considered in any proposed playgrounds, where children may be exposed to these materials (if present). Former agricultural use does not represent a recognized environmental condition (REC) in connection with the Site; however, precautions should be taken in areas frequented by children.

- In addition, the southeast portion of the Site was formerly developed with apparent rural residential and farm-related buildings.

For additional information regarding the findings of the ESA, please refer to the report titled: *Phase I Environmental Site Assessment, ~50-Acre Tract, SEC of Ramona Expressway and Nevada Road, Perris, CA 92571,* dated May 14, 2021, Nova Project Number V21-3582.

1.3 Objective

The objective of this LSI was to conduct a limited assessment of the Site for evidence of gross subsurface soil impacts due to the historical usage of the Site as agricultural land as identified in the May 2021 Phase I ESA.

1.4 Scope of Services

As part of this LSI, Nova completed the following scope of services:

- Cleared public underground utilities through the California Dig Alert One-Call System prior to initiating any subsurface investigation activities including pre-marking sampling locations as required;

- Advanced six (6) exterior soil borings throughout the Site to depths ranging from 7 to 20 feet below grade surface (bgs) using a direct push technology (DPT) drill rig. Groundwater was not encountered within any of the soil borings;

- Screened the soil samples collected from the soil borings at continuous intervals for volatile organic vapors with a photoionization detector (PID), documented any indications of unusual odors or staining, and recorded detailed descriptions of the subsurface lithology;

- Collected one (1) soil sample from each of the six (6) soil borings for laboratory analyses;

- Submitted six (6) soil samples for laboratory chemical analyses of volatile organic compounds (VOCs) using EPA Method 8260B; semi-volatile organic compounds (SVOCs) using EPA Method 8270; California Extended Range Total Petroleum Hydrocarbons (TPH) using EPA Method 8015; California Code of Regulations (CCR) Title 22 (CAM 17) Metals using EPA Method 6010/7470; poly-chlorinated biphenyls (PCBs) using EPA Method 8082; Herbicides by EPA Method 8151; and Organochlorine Pesticides using EPA Method 8081;

- Upon completion of sampling, the soil borings were backfilled/abandoned in accordance with applicable requirements; and

- Prepared this Limited Subsurface Investigation Report detailing the employed investigation methods and procedures, summarized the field and analytical results, and provided appropriate conclusions and recommendations.

2.0 METHODS AND PROCEDURES

2.1 Private Utility Survey

On July 13, 2022, a representative of Nova oversaw the completion of a private utility survey conducted at the Site by Ground Penetrating Radar Services (GPRS). The private utility survey was performed using Electro-Magnetic (EM) and Ground Penetrating Radar (GPR) equipment to clear the soil boring locations for potential utility conflicts. No evidence of buried utilities or subsurface anomalies was identified in the vicinity of the soil boring locations.

2.2 Soil Borings

On July 13, 2022, a representative of Nova oversaw the advancement of six (6) exterior soil boring (SB-1 through SB-6) throughout the Site by MR Drilling Company. A summary of the soil boring locations for this LSI is provided below.

SOIL BORING LOCATIONS	
Soil Boring ID	**Location/Area of Concern**
SB-1	Advanced in an unpaved area in the west-central portion of the Site. Soil boring advanced to 20 feet bgs. Groundwater was not encountered.
SB-2	Advanced in an unpaved area in the east-central portion of the Site. Geoprobe refusal encountered at 10 feet bgs. Groundwater was not encountered.
SB-3	Advanced in an unpaved area in the southeastern portion of the Site in the vicinity of former rural residential and farm-related buildings identified in historical aerial photos during completion of the May 2021 Phase I ESA. Geoprobe refusal encountered at 10 feet bgs. Groundwater was not encountered.
SB-4	Advanced in an unpaved area in the southeastern portion of the Site in the vicinity of former rural residential and farm-related buildings identified in historical aerial photos during completion of the May 2021 Phase I ESA. Soil boring advanced to 20 feet bgs. Groundwater was not encountered.
SB-5	Advanced in an unpaved area in the northeastern portion of the Site. Geoprobe refusal encountered at 7 feet bgs. Groundwater was not encountered.
SB-6	Advanced in an unpaved area in the northwestern portion of the Site. Geoprobe refusal encountered at 15 feet bgs. Groundwater was not encountered.

A Sample Location Map which shows the approximate locations of soil borings installed for this LSI is attached as **Figure 3**. Photographs of the soil boring locations are included in **Appendix A**.

Soil borings were advanced by MR Drilling using a track-mounted hydraulic Geoprobe® 6610 DT DPT drill rig. A macro-core sampler was used to collect the soil samples from each soil boring at continuous 5-foot intervals to the maximum depth drilled. The macro-core sampler consists of nickel-plated alloy-steel sampling tube with an inserted liner that is continuously filled with soil as it is pushed and/or hammered to the desired sampling depth. The liners were removed from the sampler after each sampling interval and a new liner was inserted into the sampler for the next sampling interval. The sampling equipment was cleaned with an Alconox detergent/water wash and potable water rinse prior to advancement of each soil boring. Upon completion of

sampling, the soil borings were backfilled/abandoned in accordance with applicable requirements.

2.3 Field Screening

Soil samples collected were visually inspected to record the physical description of the soils encountered at each soil boring location on a field-boring log. The soil sample descriptions generally included type, color, texture, and moisture. The descriptions were recorded on the soil boring logs provided in Appendix B.

In addition to recording the physical description of the soils encountered at each soil boring location, soil samples were evaluated for the presence of staining and odors. Each of the soil samples retrieved from the borehole was screened for volatile organic vapors using a PID equipped with a 10.6 electron-volt (eV) lamp that was calibrated to an isobutylene standard prior to being used at the Site. Physical evidence of any unusual odors or staining was also recorded on the field log.

2.5 Laboratory Chemical Analyses

Composite soil samples were collected for laboratory analysis at approximately 0 to 5 feet bgs from soil borings SB-1, SB-3, and SB-5; and at approximately 0 to 2.5 feet bgs from soil borings SB-2, SB-4, and SB-6 to screen for shallow impacts. The soil samples were placed in laboratory-supplied containers, stored in a cooler that contained wet ice, and transported to Pace National Lab (Pace) located in Mt. Juliet, Tennessee for analysis using chain-of-custody protocols. Pace is certified to analyze environmental samples collected in the State of California (Certification No. 01157CA).

A total of six (6) soil samples were submitted for laboratory chemical analyses of VOCs using EPA Method 8260B; SVOCs using EPA Method 8270; California Extended Range TPH using EPA Method 8015; CCR Title 22 (CAM 17) Metals using EPA Method 6010/7470; PCBs using EPA Method 8082; Herbicides by EPA Method 8151; and Organochlorine Pesticides using EPA Method 8081.

3.0 RESULTS

3.1 Geology and Site Conditions

In general, the soil lithology encountered at the Site consisted primarily of light brown, dry, firm, silt. Groundwater was not encountered within the soil borings advanced for this assessment. Soil boring logs are provided in **Appendix B**.

3.2 Field Screening

Field screening of the soil samples collected from soil boring SB-2 detected volatile organic vapors when screened with a PID at concentrations up to 0.1 parts per million by volume (ppmv) with the highest reading detected at approximately 2.5 feet bgs. Field screening of the soil samples collected from the other soil borings (SB-1 and SB-3 through SB-6) did not detect volatile organic vapors when screened with a PID at concentrations above 0.0 ppmv. No unusual odors or staining were observed in the soil samples collected. The PID screening results for soil samples are included in the soil boring logs attached in **Appendix B**.

3.3 Chemical Analyses

3.3.1 Soil Sample Analytical Results

Soil sample analytical results were compared to the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Soil Environmental Screening Levels (ESLs) –Tier 1 ESLs (most stringent) along with Commercial/Industrial: Direct Exposure Human Health Risk Levels (Table S-1) Shallow Soil Exposure - Cancer Risk and Non-cancer Hazard ESLs. Additionally, soil sample metals results were compared to United States Geological Survey (USGS) Riverside County Background Metals Concentrations and California Department of Toxic Substances Control (DTSC) Naturally Occurring Concentrations of Inorganic Chemicals in Soil at California Airforce Installations – Soil Background Levels.

Soil sample analytical results indicate that several metals were detected in soil samples. Arsenic was detected in soil samples, SB-2-2.5 and SB-3-5, at concentrations of 2.09 milligrams per kilogram (mg/kg) and 2.2 kg, respectively. The detected concentrations exceed the Commercial/Industrial: Shallow Soil Exposure - Cancer Risk ESL for arsenic of 0.31 mg/kg but are within the range of USGS Background Concentrations for arsenic in Riverside County of 0.603 mg/kg to 39.294 mg/kg. Arsenic was not detected in soil samples SB-1-5, SB-4-2.5, SB-5-5, and SB-6-2.5 at a concentration above the laboratory reported detection limit (RDL) for arsenic that ranged from 2.08 to 2.43 mg/kg. The laboratory RDL is the lowest value that the laboratory can detect or report for an analyte.

Vanadium was detected in all six (6) soil samples at concentrations ranging from 30 mg/kg in SB-5-5 to 59.9 mg/kg in SB-6-2.5. The detected concentrations are above the Tier 1 Soil ESL for

vanadium of 18 mg/kg but within the range of CA DTSC Soil Background Levels for vanadium of 34 to 130 mg/kg.

Barium, beryllium, chromium, cobalt, copper, lead, nickel, and zinc were also detected in soil samples at concentrations above laboratory RDLs but below Tier 1 Soil ESLs.

Soil sample analytical results indicate that the VOCs, ethylbenzene and xylenes, were detected in soil sample, SB-2-2.5 at concentrations above laboratory RDLs, but below Tier 1 Soil ESLs.

Soil sample analytical results indicate that SVOCs, TPH, PCBs, Herbicides, and Organochlorine Pesticides were not detected in soil samples at concentrations exceeding laboratory RDLs.

A summary of soil sample analytical results is provided in **Table 1.** A copy of the laboratory analytical report including laboratory RDLs is included as **Appendix C**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The objective of this LSI was to conduct a limited assessment of the Site for evidence of gross subsurface soil impacts due to the historical usage of the Site as agricultural land as identified in as identified in the May 2021 Phase I ESA.

On July 13, 2022, a representative of Nova oversaw the completion of a private utility survey conducted at the Site by GPRS. The private utility survey was performed using EM and GPR equipment to clear the soil boring locations for potential utility conflicts.

On July 13, 2022, a representative of Nova oversaw the advancement of six (6) exterior soil boring (SB-1 through SB-6) throughout the Site by MR Drilling Company. SB-1 was advanced in the west-central portion of the Site; SB-2 was advanced in the east-central portion of the Site. SB-3 and SB-4 were advanced in the southeastern portion of the Site; SB-5 was advanced in the northeastern portion of the Site; and SB-6 was advanced in the northwestern portion of the Site. SB-1 and SB-4 were advanced to the proposed terminal depth of 20 feet bgs. Geoprobe refusal was encountered within SB-2, SB-3, SB-5, and SB-6 at depths ranging from 7 to 15 feet bgs.

Composite soil samples were collected for laboratory analysis at approximately 0 to 5 feet bgs from soil borings SB-1, SB-3, and SB-5; and at approximately 0 to 2.5 feet bgs from soil borings SB-2, SB-4, and SB-6. A total of six (6) soil samples were submitted for laboratory chemical analyses of VOCs using EPA Method 8260B; SVOCs using EPA Method 8270; California Extended Range TPH using EPA Method 8015; CCR Title 22 (CAM 17) Metals using EPA Method 6010/7470; PCBs using EPA Method 8082; Herbicides by EPA Method 8151; and Organochlorine Pesticides using EPA Method 8081.

In general, the soil lithology encountered at the Site consisted primarily of light brown, dry, firm, silt. Groundwater was not encountered within the soil borings advanced for this assessment.

Field screening of the soil samples collected from soil boring SB-2 detected volatile organic vapors when screened with a PID at concentrations up to 0.1 ppmv with the highest reading detected at approximately 2.5 feet bgs. Field screening of the soil samples collected from the other soil borings (SB-1 and SB-3 through SB-6) did not detect volatile organic vapors when screened with a PID at concentrations above 0.0 ppmv. No unusual odors or staining were observed in the soil samples collected.

Soil sample analytical results were compared to the SFBRWQCB Tier 1 ESLs along with Commercial/Industrial: Direct Exposure Human Health Risk Levels (Table S-1) Shallow Soil Exposure - Cancer Risk and Non-cancer Hazard ESLs. Additionally, soil sample metals results were compared to USGS Riverside County Background Metals Concentrations and California DTSC Naturally Occurring Concentrations of Inorganic Chemicals in Soil at California Airforce Installations – Soil Background Levels.

Soil sample analytical results indicate that the naturally occurring metals, arsenic and vanadium, were detected in soil samples at concentrations that exceed their respective Soil ESLs but are

within the range of USGS Background Concentrations for Riverside County and CA DTSC Soil Background Levels. The detection of naturally occurring metals in soil samples at concentrations that are within the range of published background concentrations is not considered evidence of impacts from the historical agricultural usage of the Site.

Barium, beryllium, chromium, cobalt, copper, lead, nickel, and zinc were also detected in soil samples at concentrations above laboratory RDLs but below Tier 1 Soil ESLs. The VOCs, ethylbenzene and xylenes, were detected in one soil sample at concentrations above laboratory RDLs, but below Tier 1 Soil ESLs. Soil sample analytical results indicate that SVOCs, TPH, PCBs, Herbicides, and Organochlorine Pesticides were not detected in soil samples at concentrations exceeding laboratory RDLs.

Based on the results of this assessment, there does not appear to be evidence of gross subsurface soil impacts due to the historical agricultural usage of the Site. With the exception of arsenic, this assessment did not identify any contaminants at concentrations that exceeded regulatory screening levels for commercial or industrial uses, and at the concentrations detected there is no threat to human health or the environment. Based on the results of this assessment, Nova does not recommend additional investigation at this time.

5.0 STANDARD OF CARE

The services performed by Nova on this project have been conducted with that level of care and skill ordinarily exercised by reputable members of the profession, practicing in the same locality, under similar budget and time constraints. No other warranty is expressed or intended.

This document was prepared exclusively for the use or benefit of those listed on the Title page of this report. Reliance or use by any other third party without explicit written authorization from Nova will be at the third party's own risk. No warranties or representations, express or implied, are made to any such third party.

We appreciate the opportunity to provide this service. If you have any questions regarding this report, please contact us.

Nova Group, GBC

Prepared by:

Robert L. Greene
Senior Project Manager

Dustin Mencel
Senior Project Manager

Reviewed By:

Michael O'Brien, R.G.
Registered Geologist (RG #5844)

Vanessa Chambers
Senior Vice President – Sothern Regional Manager

FIGURES

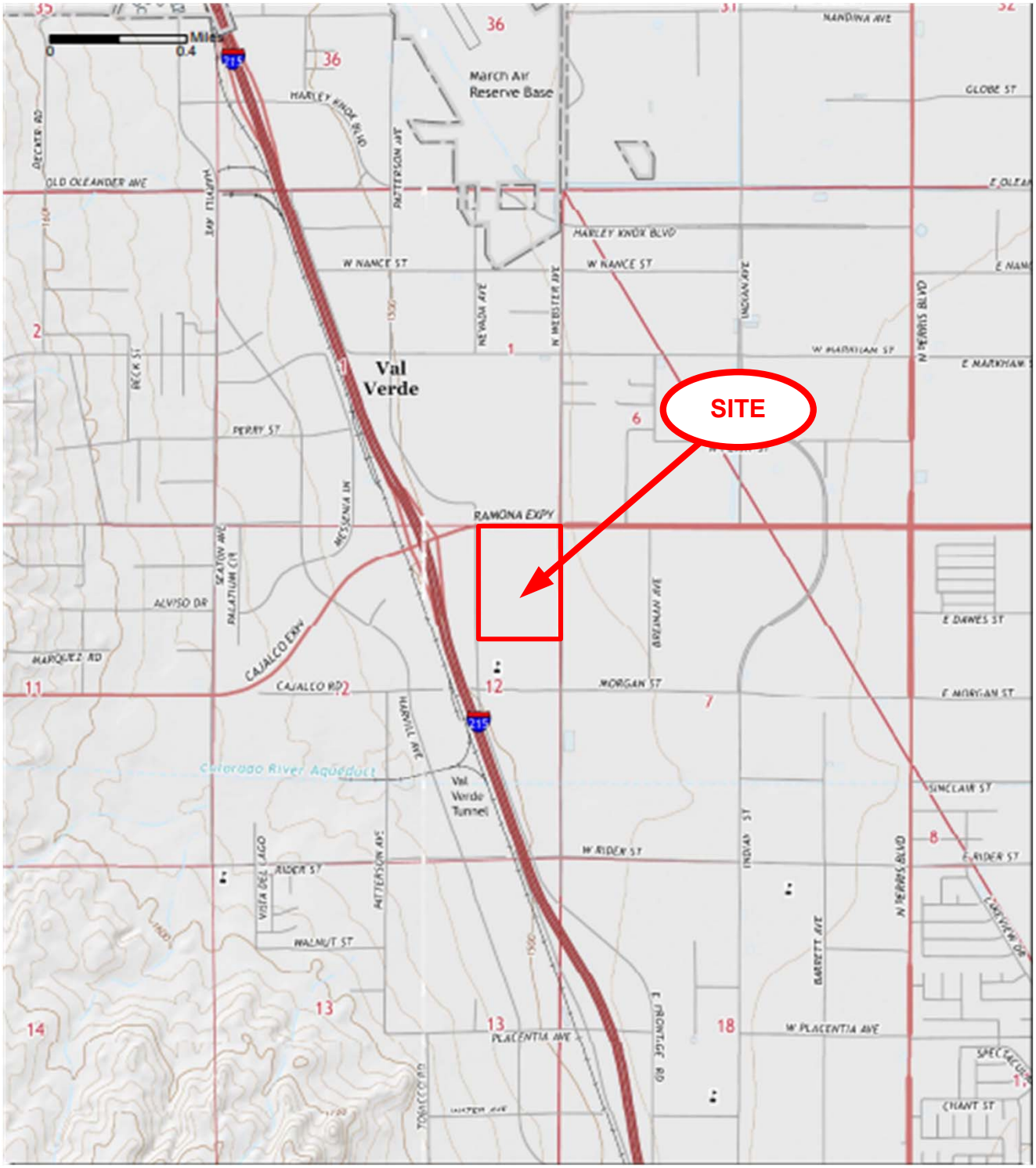
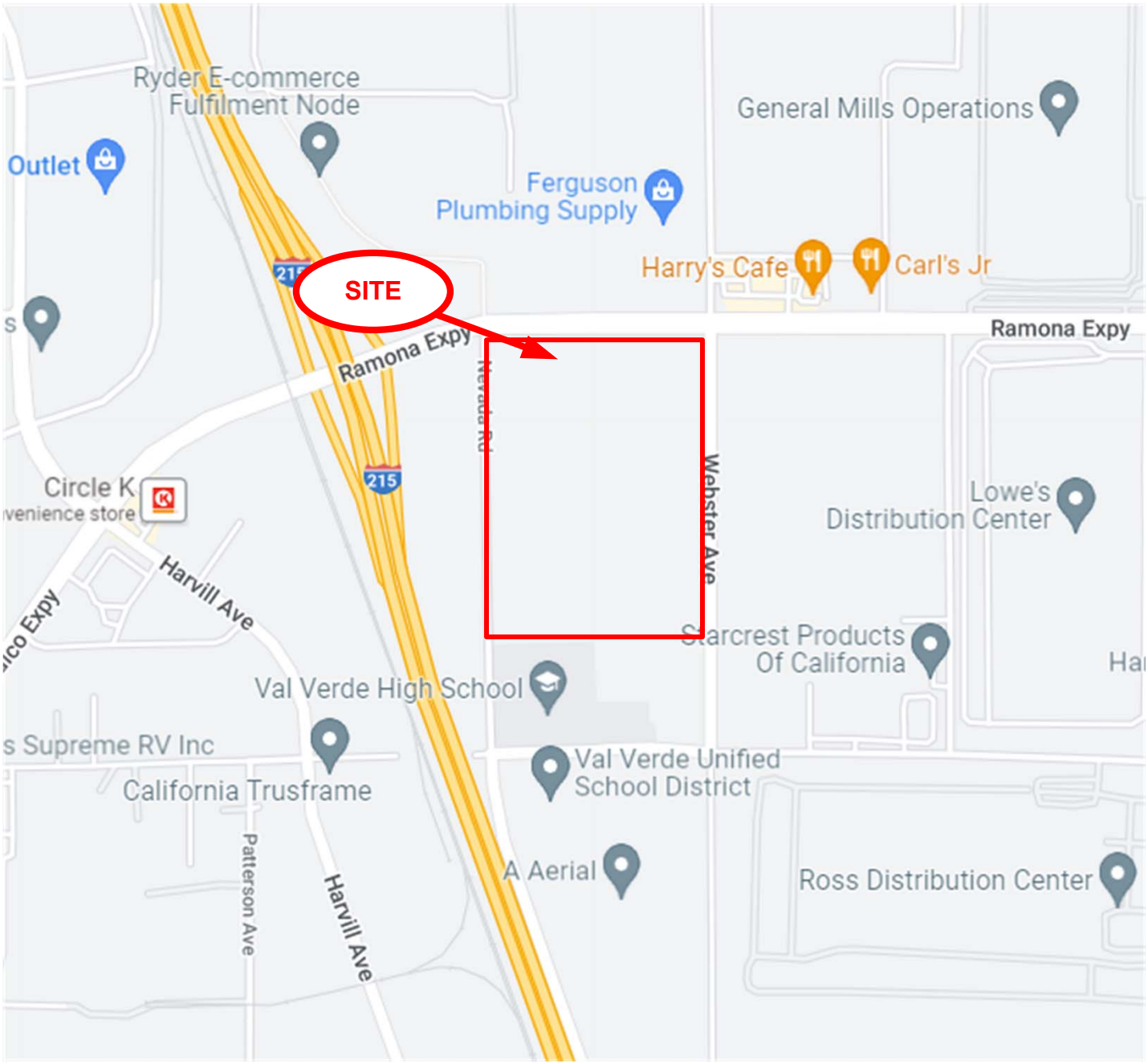


FIGURE 1 - TOPOGRAPHIC MAP
Vacant Land Tract
SEC of Ramona Expressway and Nevada Road
Perris, CA 92571
NOVA Project No. V22-6752

Nova Group

Source: USGS 7.5 Minute Topographic Map – Perris, CA; Steel Peak, CA

Quadrangle 2015



Source: Google Maps

N
W E
S

FIGURE 2 – SITE LOCATION MAP
Vacant Land Tract
SEC of Ramona Expressway and Nevada Road
Perris, CA 92571
NOVA Project No. V22-6752

Nova Group

2022

Source: Google

- Property Boundary

- Soil Boring

(Approximate Locations)

N

W E

S

Approximate Scale (feet)

0 300 600

FIGURE 3 - SAMPLE LOCATION MAP
Vacant Land Tract
SEC of Ramona Expressway and Nevada Road
Perris, CA 92571
NOVA Project No. V22-6752

Nova Group

2022

TABLES

Table 1
Summary of Soil Sample Analytical Results
Vacant Land Tract
Southeast Corner of Ramona Expressway and Nevada Road
Perris, California 92571
Nova Project No. V22-6752

Lab Sample ID						L1515679-01	L1515679-02	L1515679-03	L1515679-04	L1515679-05	L1515679-06
Project Sample ID						SB-1-5	SB-2-2.5	SB-3-5	SB-4-2.5	SB-5-5	SB-6-2.5
Date Collected						07/13/2022	07/13/2022	07/13/2022	07/13/2022	07/13/2022	07/13/2022
Analyte	**CA San Francisco Bay RWQCB Soil ESLs - Tier 1 ESL (2019 Rev. 2) (mg/kg)**	**CA San Francisco Bay RWQCB Soil ESLs - Commercial/Industrial: Shallow Soil Exposure - Cancer Risk (2019 Rev. 2) (mg/kg)**	**CA San Francisco Bay RWQCB Soil ESLs - Commercial/Industrial: Shallow Soil Exposure - Non-cancer Hazard (2019 Rev. 2) (mg/kg)**	**CA DTSC - Naturally Occurring Concentrations of Inorganic Chemicals in Soil at California Airforce Installations - Soil Background Levels (mg/kg)**	**USGS Riverside County - Background Metals Concentrations (mg/kg)**	Result	Result	**Result**	Result	Result	Result
California Code of Regulations (CCR) Title 22 Metals using EPA Method 6010/7470											
ARSENIC	0.067	0.31	3.6	2.6 - 45.9	0.603 - 39.294	<2.43	**2.09**	**2.2**	<2.10	<2.30	<2.08
BARIUM	390	NE	220000	97 - 655	NE	**180**	**119**	**153**	**151**	**94.5**	**195**
BERYLLIUM	5	6900	2300	0.3 - 10.3	NE	**0.504**	**0.531**	**0.498**	**0.503**	**0.259**	**0.511**
CHROMIUM	160	NE	NE	12 - 92.5	NE	**21.2**	**15.7**	**18.5**	**19.2**	**12.1**	**22.1**
COBALT	23	1900	350	7.2 - 36.7	NE	**10.5**	**7.76**	**9.18**	**9.33**	**5.8**	<5.20
COPPER	180	NE	47000	11 - 167	3.089 - 115.284	**16.4**	**12.7**	**14.2**	**15.5**	**10.4**	**18.1**
LEAD	32	380	320	2.9 - 71.6	2.170 - 254.403	**2.81**	**3.27**	**2.71**	**3.05**	**4.08**	**3.87**
NICKEL	86	11000	1700	7.4 - 59.8	NE	**12.2**	**8.81**	**10.2**	**11.4**	**6.54**	**12**
VANADIUM	18	NE	5800	34 - 130	NE	**54.3**	**39.1**	**48**	**47.2**	**30**	**59.9**
ZINC	340	NE	350000	35.1 - 270	19.377 - 149.770	**53.5**	**39.2**	**43.7**	**48.2**	**33.5**	**54.3**
Volatile Organic Compounds (VOCs) by USEPA Method 8260											
ETHYLBENZENE	0.43	26	21000	NE	NE	<0.00361	**0.00604**	<0.00274	<0.00276	<0.00326	<0.00271
XYLENES, TOTAL	2.1	NE	2500	NE	NE	<0.00936	**0.0392**	<0.00714	<0.00717	<0.00849	<0.00704

Only analytes detected in at least one sample at a concentration above the laboratory reported detection limit (RDL) are included in this table.
Semi-volatile organic compounds (SVOCS), total petroleum hydrocarbons (TPH), polychlorinated biphenyls (PCBs), Pesticides, and Herbicides were not detected in soil samples at concentrations above laboratory RDLs
Refer to the complete laboratory report for remaining laboratory analytical results.

SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
ESLs	Environmental Screening Levels
USGS	United States Geological Survey
DTSC	Department of Toxic Substances Control
NE	Not Established/Not Applicable
Bold	Analyte detected at a concentration exceeding the Reported Detection Limit (RDL)
	Analyte detected at a concentration exceeding the CA SFBRWQCB Soil ESL - Tier 1 ESL (2019 Rev. 2)
	Analyte detected at a concentration exceeding the CA SFBRWQCB Soil ESL - Direct Exposure Human Health Risk Levels (Table S-1) - Commercial/Industrial: Shallow Soil Exposure - Cancer Risk (2019 Rev. 2)
	Analyte detected at a concentration exceeding the CA SFBRWQCB Soil ESL - Direct Exposure Human Health Risk Levels (Table S-1) - Commercial/Industrial: Shallow Soil Exposure - Non-cancer Hazard (2019 Rev. 2)
	Analyte detected at a concentration exceeding the CA DTSC - Soil Background Levels
	Analyte detected at a concentration exceeding the USGS Riverside County - Background Metals Concentrations

APPENDIX A

PHOTOGRAPHIC DOCUMENTATION

1. GPRS conducting utility locating and ground penetrating radar survey at SB-1

2. Geoprobe direct-push drilling rig set up at soil boring SB-1 in the west-central portion of the Site

3. Typical soil cores collected from SB-1

4. Geoprobe direct-push drilling rig set up at soil boring SB-2 in the east-central portion of the Site

5. Geoprobe direct-push drilling rig set up at soil boring SB-3 in the southeastern portion of the Site

6. Geoprobe direct-push drilling rig set up at soil boring SB-4 in the southeastern portion of the Site

7. Geoprobe direct-push drilling rig set up at soil boring SB-5 in the northeastern portion of the Site

8. Geoprobe direct-push drilling rig set up at soil boring SB-6 in the northwestern portion of the Site

APPENDIX B

SOIL BORING LOGS

LOG OF BORING SB-1

Vacant Land Tract
SEC of Ramona Expressway and Nevada Road
Perris, CA 92571

Limited Subsurface Investigation

Project # V22-6752

Date Started	: July 13, 2022	PID	: MiniRAE 3000
Drilling Company	: MR Drill Co.	PID Lamp	: 10.6 eV
Hole Diameter	: 2.25 Inches	Temp Well Type	: N/A
Drilling Method	: Geoprobe 6610 DT	Weather	: Clear, 85 Degrees F
Sampling Method	: Macrocore	Logged By	: Robert Greene

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0–5	SB-1-5'		ML	0.0	SILT with SAND and trace GRAVEL, light brown, dry, soft		
5–9			ML	0.0	SILT with SAND and trace GRAVEL, light brown, dry, firm		
9–16			SW	0.0	SAND, Well Graded, trace GRAVEL, light brown, dry, dense		
16–20			CL	0.0	LEAN CLAY, dark brown, moist, firm		
20					END OF BORING		

LOG OF BORING SB-2

Vacant Land Tract
SEC of Ramona Expressway and Nevada Road
Perris, CA 92571

Limited Subsurface Investigation

Project # V22-6752

Date Started	: July 13, 2022	PID	: MiniRAE 3000
Drilling Company	: MR Drill Co.	PID Lamp	: 10.6 eV
Hole Diameter	: 2.25 Inches	Temp Well Type	: N/A
Drilling Method	: Geoprobe 6610 DT	Weather	: Clear, 85 Degrees F
Sampling Method	: Macrocore	Logged By	: Robert Greene

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0					SILT, trace SAND and GRAVEL, light brown, dry, firm		
1							
2							
	SB-2-2.5'			0.1			
3							
4							
5			ML	0.0			
6							
7							
				0.0			
8							
9							
				0.0			
10					GEOPROBE REFUSAL AT 10 FEET BGS		
11							

LOG OF BORING SB-3

Vacant Land Tract
SEC of Ramona Expressway and Nevada Road
Perris, CA 92571

Limited Subsurface Investigation

Project # V22-6752

Date Started	: July 13, 2022	PID	: MiniRAE 3000
Drilling Company	: MR Drill Co.	PID Lamp	: 10.6 eV
Hole Diameter	: 2.25 Inches	Temp Well Type	: N/A
Drilling Method	: Geoprobe 6610 DT	Weather	: Clear, 85 Degrees F
Sampling Method	: Macrocore	Logged By	: Robert Greene

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0					SILT, trace SAND, light brown, dry, firm		
1							
2				0.0			
3							
4							
5	SB-3-5'		ML	0.0			
6							
7							
8				0.0			
9							
10				0.0	GEOPROBE REFUSAL AT 10 FEET BGS		
11							

LOG OF BORING SB-4

Vacant Land Tract
SEC of Ramona Expressway and Nevada Road
Perris, CA 92571

Limited Subsurface Investigation

Project # V22-6752

Date Started	: July 13, 2022	PID	: MiniRAE 3000
Drilling Company	: MR Drill Co.	PID Lamp	: 10.6 eV
Hole Diameter	: 2.25 Inches	Temp Well Type	: N/A
Drilling Method	: Geoprobe 6610 DT	Weather	: Clear, 85 Degrees F
Sampling Method	: Macrocore	Logged By	: Robert Greene

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0					SILT, trace SAND and GRAVEL, light brown, dry, firm		
1							
2	SB-4-2.5'		ML	0.0			
3							
4							
5				0.0	LEAN CLAY, brown, moist, firm		
6							
7				0.0			
8							
9							
10			CL	0.0			
11							
12				0.0			
13							
14							
15				0.0	LEAN CLAY, dark brown, moist, firm		
16							
17							
18			CL	0.0			
19							
20				0.0	END OF BORING		
21							

LOG OF BORING SB-5

Vacant Land Tract
SEC of Ramona Expressway and Nevada Road
Perris, CA 92571

Limited Subsurface Investigation

Project # V22-6752

Date Started	: July 13, 2022	PID	: MiniRAE 3000
Drilling Company	: MR Drill Co.	PID Lamp	: 10.6 eV
Hole Diameter	: 2.25 Inches	Temp Well Type	: N/A
Drilling Method	: Geoprobe 6610 DT	Weather	: Clear, 85 Degrees F
Sampling Method	: Macrocore	Logged By	: Robert Greene

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0					SILT, trace SAND, light brown, dry, firm		
1							
2				0.0			
3			ML				
4							
5	SB-5-5'			0.0			
6							
7					GEOPROBE REFUSAL AT 7 FEET BGS		
8							

LOG OF BORING SB-6

Vacant Land Tract
SEC of Ramona Expressway and Nevada Road
Perris, CA 92571

Limited Subsurface Investigation

Project # V22-6752

Date Started	: July 13, 2022	PID	: MiniRAE 3000
Drilling Company	: MR Drill Co.	PID Lamp	: 10.6 eV
Hole Diameter	: 2.25 Inches	Temp Well Type	: N/A
Drilling Method	: Geoprobe 6610 DT	Weather	: Clear, 85 Degrees F
Sampling Method	: Macrocore	Logged By	: Robert Greene

Depth in Feet	Lab Sample (feet)	GRAPHIC	USCS	PID (ppm)	DESCRIPTION	Water Level	REMARKS
0					SILT, trace SAND, light brown, dry, firm		
1							
2							
	SB-6-2.5'			0.0			
3							
4							
5				0.0			
6							
7							
			ML	0.0			
8							
9							
10				0.0			
11							
12							
				0.0			
13							
14							
15				0.0			
					GEOPROBE REFUSAL AT 15 FEET BGS		
16							

APPENDIX C

LABORATORY ANALYTICAL REPORT

ANALYTICAL REPORT

July 28, 2022

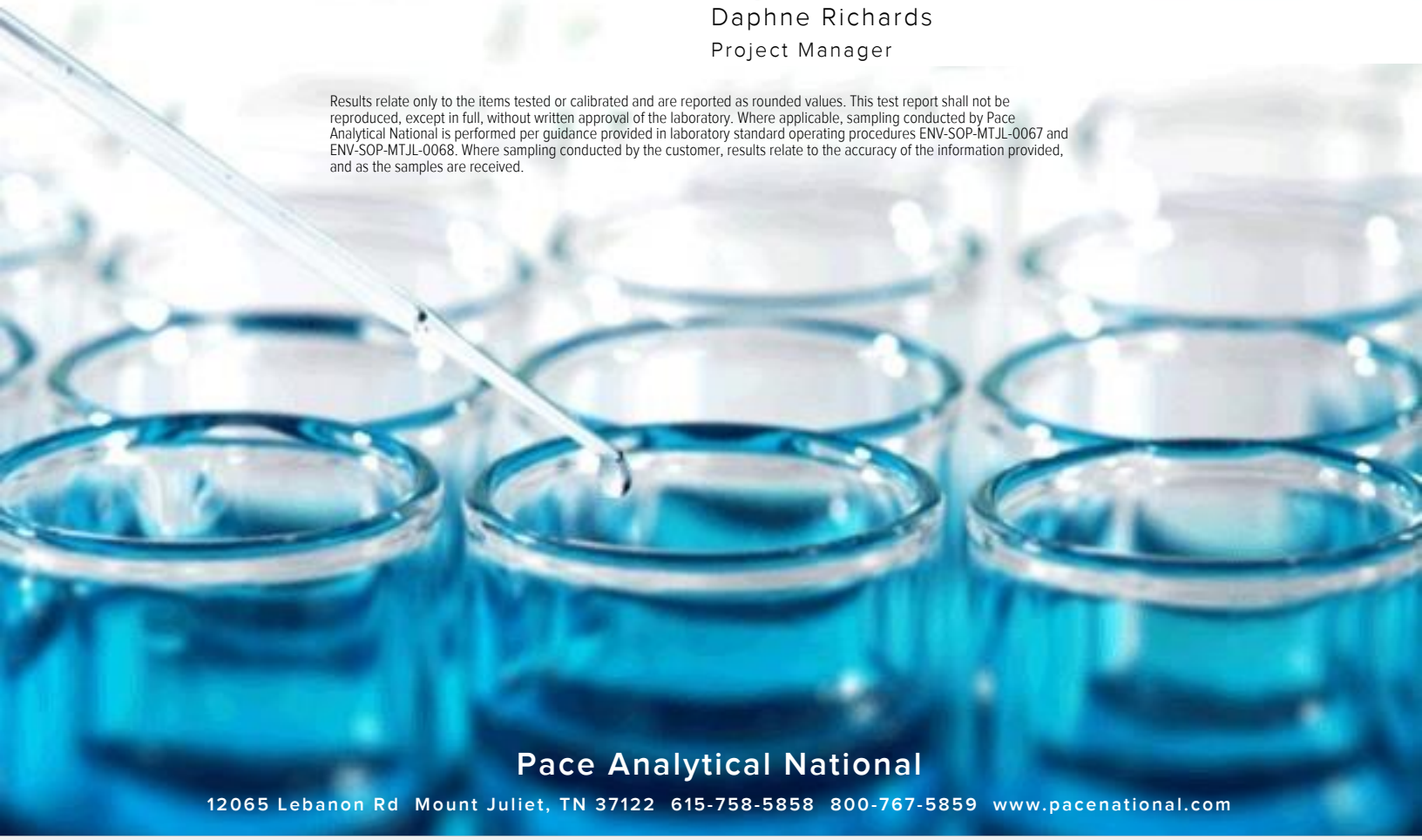
Nova Consulting

Sample Delivery Group:	L1515679
Samples Received:	07/15/2022
Project Number:	V22-6752
Description:	Vacant Land Tract

Report To: Robert Greene
29633 N. 69th Lane
Peoria, AZ 85383

Entire Report Reviewed By: Daphne R Richards

Daphne Richards
Project Manager



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

TABLE OF CONTENTS

SB-1-5 L1515679-01 Solid

Collected by: Robert Greene | Collected date/time: 07/13/22 10:05 | Received date/time: 07/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1896653	1	07/19/22 10:37	07/19/22 10:53	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG1896366	1	07/22/22 11:27	07/24/22 13:11	MRW	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1897777	1	07/26/22 17:00	07/27/22 23:08	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1897777	1	07/26/22 17:00	07/28/22 12:00	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1896567	25	07/13/22 10:05	07/18/22 08:48	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1897756	1.01	07/13/22 10:05	07/20/22 04:49	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1898868	1	07/22/22 07:44	07/22/22 16:10	JAS	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG1897572	1	07/20/22 15:01	07/21/22 22:45	CCW	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1898832	1	07/22/22 09:06	07/22/22 15:07	HLA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1898832	1	07/22/22 09:06	07/22/22 15:07	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1898133	1	07/20/22 18:27	07/21/22 11:07	JNJ	Mt. Juliet, TN

SB-2-2.5 L1515679-02 Solid

Collected by: Robert Greene | Collected date/time: 07/13/22 10:45 | Received date/time: 07/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1896653	1	07/19/22 10:37	07/19/22 10:53	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG1898849	1	07/22/22 07:40	07/22/22 13:15	SRT	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1897777	1	07/26/22 17:00	07/27/22 23:11	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1897777	1	07/26/22 17:00	07/28/22 12:03	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1896567	25	07/13/22 10:45	07/18/22 09:09	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1897756	1	07/13/22 10:45	07/20/22 05:08	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1898868	1	07/22/22 07:44	07/22/22 17:15	JAS	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG1897572	1	07/20/22 15:01	07/21/22 23:00	CCW	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1898832	1	07/22/22 09:06	07/22/22 15:16	HLA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1898832	1	07/22/22 09:06	07/22/22 15:16	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1898133	1	07/20/22 18:27	07/21/22 17:49	JNJ	Mt. Juliet, TN

SB-3-5 L1515679-03 Solid

Collected by: Robert Greene | Collected date/time: 07/13/22 11:25 | Received date/time: 07/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1896725	1	07/19/22 10:15	07/19/22 10:34	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG1898849	1	07/22/22 07:40	07/22/22 13:18	SRT	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1897777	1	07/26/22 17:00	07/27/22 23:14	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1897777	1	07/26/22 17:00	07/28/22 12:06	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1896567	25	07/13/22 11:25	07/18/22 09:29	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1897756	1	07/13/22 11:25	07/20/22 05:27	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1898868	1	07/22/22 07:44	07/22/22 17:02	JAS	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG1897572	1	07/20/22 15:01	07/21/22 23:59	CCW	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1898832	1	07/22/22 09:06	07/22/22 15:25	HLA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1898832	1	07/22/22 09:06	07/22/22 15:25	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1898133	1	07/20/22 18:27	07/21/22 17:28	JNJ	Mt. Juliet, TN

SB-4-2.5 L1515679-04 Solid

Collected by: Robert Greene | Collected date/time: 07/13/22 11:55 | Received date/time: 07/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1896725	1	07/19/22 10:15	07/19/22 10:34	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG1898849	1	07/22/22 07:40	07/22/22 13:20	SRT	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1897777	1	07/26/22 17:00	07/27/22 23:17	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1897777	1	07/26/22 17:00	07/28/22 12:09	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1896567	25	07/13/22 11:55	07/18/22 09:50	JHH	Mt. Juliet, TN

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

SB-4-2.5 L1515679-04 Solid

Collected by: Robert Greene | Collected date/time: 07/13/22 11:55 | Received date/time: 07/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1897756	1	07/13/22 11:55	07/20/22 05:46	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1898868	1	07/22/22 07:44	07/22/22 16:49	JAS	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG1897572	1	07/20/22 15:01	07/22/22 00:14	CCW	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1898832	1	07/22/22 09:06	07/22/22 15:35	HLA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1898832	1	07/22/22 09:06	07/22/22 15:35	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1898133	1	07/20/22 18:27	07/21/22 14:18	JNJ	Mt. Juliet, TN

SB-5-5 L1515679-05 Solid

Collected by: Robert Greene | Collected date/time: 07/13/22 12:25 | Received date/time: 07/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1896725	1	07/19/22 10:15	07/19/22 10:34	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG1898849	1	07/22/22 07:40	07/22/22 13:23	SRT	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1897777	1	07/26/22 17:00	07/27/22 23:25	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1897777	1	07/26/22 17:00	07/28/22 12:12	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1896567	25	07/13/22 12:25	07/18/22 10:10	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1897756	1	07/13/22 12:25	07/20/22 06:06	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1898868	1	07/22/22 07:44	07/22/22 16:23	JAS	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG1897572	1	07/20/22 15:01	07/22/22 00:29	CCW	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1898832	1	07/22/22 09:06	07/22/22 15:44	HLA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1898832	1	07/22/22 09:06	07/22/22 15:44	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1898133	1	07/20/22 18:27	07/21/22 10:46	JNJ	Mt. Juliet, TN

SB-6-2.5 L1515679-06 Solid

Collected by: Robert Greene | Collected date/time: 07/13/22 12:45 | Received date/time: 07/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1896725	1	07/19/22 10:15	07/19/22 10:34	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG1898849	1	07/22/22 07:40	07/22/22 13:30	SRT	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1897063	1	07/25/22 07:11	07/25/22 19:47	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1897063	5	07/25/22 07:11	07/26/22 03:28	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1896567	25	07/13/22 12:45	07/18/22 10:31	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1897756	1	07/13/22 12:45	07/20/22 06:25	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1898868	1	07/22/22 07:44	07/22/22 17:28	JAS	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG1897572	1	07/20/22 15:01	07/22/22 00:44	CCW	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1898832	1	07/22/22 09:06	07/22/22 15:54	HLA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1898832	1	07/22/22 09:06	07/22/22 15:54	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1898133	1	07/20/22 18:27	07/21/22 13:57	JNJ	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.

Daphne Richards
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.4		1	07/19/2022 10:53	WG1896653

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0486	1	07/24/2022 13:11	WG1896366

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.43	1	07/27/2022 23:08	WG1897777
Arsenic	ND		2.43	1	07/27/2022 23:08	WG1897777
Barium	180		0.607	1	07/27/2022 23:08	WG1897777
Beryllium	0.504		0.243	1	07/27/2022 23:08	WG1897777
Cadmium	ND		0.607	1	07/27/2022 23:08	WG1897777
Chromium	21.2		1.21	1	07/27/2022 23:08	WG1897777
Cobalt	10.5		1.21	1	07/28/2022 12:00	WG1897777
Copper	16.4		2.43	1	07/27/2022 23:08	WG1897777
Lead	2.81		0.607	1	07/27/2022 23:08	WG1897777
Molybdenum	ND		0.607	1	07/27/2022 23:08	WG1897777
Nickel	12.2		2.43	1	07/27/2022 23:08	WG1897777
Selenium	ND		2.43	1	07/27/2022 23:08	WG1897777
Silver	ND		1.21	1	07/27/2022 23:08	WG1897777
Thallium	ND		2.43	1	07/27/2022 23:08	WG1897777
Vanadium	54.3		2.43	1	07/27/2022 23:08	WG1897777
Zinc	53.5		6.07	1	07/27/2022 23:08	WG1897777

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		3.63	25	07/18/2022 08:48	WG1896567
(S) a,a,a-Trifluorotoluene(FID)	*95.9*		*77.0-120*		*07/18/2022 08:48*	WG1896567

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0721	1.01	07/20/2022 04:49	WG1897756
Acrylonitrile	ND		0.0180	1.01	07/20/2022 04:49	WG1897756
Benzene	ND		0.00144	1.01	07/20/2022 04:49	WG1897756
Bromobenzene	ND		0.0180	1.01	07/20/2022 04:49	WG1897756
Bromodichloromethane	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
Bromoform	ND		0.0361	1.01	07/20/2022 04:49	WG1897756
Bromomethane	ND		0.0180	1.01	07/20/2022 04:49	WG1897756
n-Butylbenzene	ND		0.0180	1.01	07/20/2022 04:49	WG1897756
sec-Butylbenzene	ND		0.0180	1.01	07/20/2022 04:49	WG1897756
tert-Butylbenzene	ND		0.00721	1.01	07/20/2022 04:49	WG1897756
Carbon tetrachloride	ND		0.00721	1.01	07/20/2022 04:49	WG1897756
Chlorobenzene	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
Chlorodibromomethane	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
Chloroethane	ND		0.00721	1.01	07/20/2022 04:49	WG1897756
Chloroform	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
Chloromethane	ND		0.0180	1.01	07/20/2022 04:49	WG1897756
2-Chlorotoluene	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
4-Chlorotoluene	ND		0.00721	1.01	07/20/2022 04:49	WG1897756

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0361	1.01	07/20/2022 04:49	WG1897756
1,2-Dibromoethane	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
Dibromomethane	ND		0.00721	1.01	07/20/2022 04:49	WG1897756
1,2-Dichlorobenzene	ND		0.00721	1.01	07/20/2022 04:49	WG1897756
1,3-Dichlorobenzene	ND		0.00721	1.01	07/20/2022 04:49	WG1897756
1,4-Dichlorobenzene	ND		0.00721	1.01	07/20/2022 04:49	WG1897756
Dichlorodifluoromethane	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
1,1-Dichloroethane	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
1,2-Dichloroethane	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
1,1-Dichloroethene	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
cis-1,2-Dichloroethene	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
trans-1,2-Dichloroethene	ND		0.00721	1.01	07/20/2022 04:49	WG1897756
1,2-Dichloropropane	ND		0.00721	1.01	07/20/2022 04:49	WG1897756
1,1-Dichloropropene	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
1,3-Dichloropropane	ND		0.00721	1.01	07/20/2022 04:49	WG1897756
cis-1,3-Dichloropropene	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
trans-1,3-Dichloropropene	ND		0.00721	1.01	07/20/2022 04:49	WG1897756
2,2-Dichloropropane	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
Di-isopropyl ether	ND		0.00144	1.01	07/20/2022 04:49	WG1897756
Ethylbenzene	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
Hexachloro-1,3-butadiene	ND		0.0361	1.01	07/20/2022 04:49	WG1897756
Isopropylbenzene	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
p-Isopropyltoluene	ND		0.00721	1.01	07/20/2022 04:49	WG1897756
2-Butanone (MEK)	ND		0.144	1.01	07/20/2022 04:49	WG1897756
Methylene Chloride	ND		0.0361	1.01	07/20/2022 04:49	WG1897756
4-Methyl-2-pentanone (MIBK)	ND		0.0361	1.01	07/20/2022 04:49	WG1897756
Methyl tert-butyl ether	ND		0.00144	1.01	07/20/2022 04:49	WG1897756
Naphthalene	ND		0.0180	1.01	07/20/2022 04:49	WG1897756
n-Propylbenzene	ND		0.00721	1.01	07/20/2022 04:49	WG1897756
Styrene	ND		0.0180	1.01	07/20/2022 04:49	WG1897756
1,1,1,2-Tetrachloroethane	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
1,1,2,2-Tetrachloroethane	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
1,1,2-Trichlorotrifluoroethane	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
Tetrachloroethene	ND	J4	0.00361	1.01	07/20/2022 04:49	WG1897756
Toluene	ND		0.00721	1.01	07/20/2022 04:49	WG1897756
1,2,3-Trichlorobenzene	ND		0.0180	1.01	07/20/2022 04:49	WG1897756
1,2,4-Trichlorobenzene	ND		0.0180	1.01	07/20/2022 04:49	WG1897756
1,1,1-Trichloroethane	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
1,1,2-Trichloroethane	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
Trichloroethene	ND		0.00144	1.01	07/20/2022 04:49	WG1897756
Trichlorofluoromethane	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
1,2,3-Trichloropropane	ND		0.0180	1.01	07/20/2022 04:49	WG1897756
1,2,4-Trimethylbenzene	ND		0.00721	1.01	07/20/2022 04:49	WG1897756
1,2,3-Trimethylbenzene	ND		0.00721	1.01	07/20/2022 04:49	WG1897756
1,3,5-Trimethylbenzene	ND		0.00721	1.01	07/20/2022 04:49	WG1897756
Vinyl chloride	ND		0.00361	1.01	07/20/2022 04:49	WG1897756
Xylenes, Total	ND		0.00936	1.01	07/20/2022 04:49	WG1897756
(S) Toluene-d8	*112*		*75.0-131*		*07/20/2022 04:49*	WG1897756
(S) 4-Bromofluorobenzene	*90.8*		*67.0-138*		*07/20/2022 04:49*	WG1897756
(S) 1,2-Dichloroethane-d4	*69.9*	J2	*70.0-130*		*07/20/2022 04:49*	WG1897756

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.86	1	07/22/2022 16:10	WG1898868
C22-C32 Hydrocarbons	ND		4.86	1	07/22/2022 16:10	WG1898868
C32-C40 Hydrocarbons	ND		4.86	1	07/22/2022 16:10	WG1898868
(S) o-Terphenyl	*81.1*		*18.0-148*		*07/22/2022 16:10*	WG1898868

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	ND		0.0850	1	07/21/2022 22:45	WG1897572
Dalapon	ND		0.0850	1	07/21/2022 22:45	WG1897572
2,4-DB	ND		0.0850	1	07/21/2022 22:45	WG1897572
Dicamba	ND		0.0850	1	07/21/2022 22:45	WG1897572
Dichloroprop	ND		0.0850	1	07/21/2022 22:45	WG1897572
Dinoseb	ND		0.0850	1	07/21/2022 22:45	WG1897572
MCPA	ND		7.89	1	07/21/2022 22:45	WG1897572
MCPP	ND		7.89	1	07/21/2022 22:45	WG1897572
2,4,5-T	ND		0.0850	1	07/21/2022 22:45	WG1897572
2,4,5-TP (Silvex)	ND		0.0850	1	07/21/2022 22:45	WG1897572
(S) 2,4-Dichlorophenyl Acetic Acid	*81.2*		*22.0-132*		*07/21/2022 22:45*	WG1897572

Pesticides (GC) by Method 8081

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	ND		0.0243	1	07/22/2022 15:07	WG1898832
Alpha BHC	ND		0.0243	1	07/22/2022 15:07	WG1898832
Beta BHC	ND		0.0243	1	07/22/2022 15:07	WG1898832
Delta BHC	ND		0.0243	1	07/22/2022 15:07	WG1898832
Gamma BHC	ND		0.0243	1	07/22/2022 15:07	WG1898832
Chlordane	ND		0.364	1	07/22/2022 15:07	WG1898832
4,4-DDD	ND		0.0243	1	07/22/2022 15:07	WG1898832
4,4-DDE	ND		0.0243	1	07/22/2022 15:07	WG1898832
4,4-DDT	ND		0.0243	1	07/22/2022 15:07	WG1898832
Dieldrin	ND		0.0243	1	07/22/2022 15:07	WG1898832
Endosulfan I	ND		0.0243	1	07/22/2022 15:07	WG1898832
Endosulfan II	ND		0.0243	1	07/22/2022 15:07	WG1898832
Endosulfan sulfate	ND		0.0243	1	07/22/2022 15:07	WG1898832
Endrin	ND		0.0243	1	07/22/2022 15:07	WG1898832
Endrin aldehyde	ND		0.0243	1	07/22/2022 15:07	WG1898832
Endrin ketone	ND		0.0243	1	07/22/2022 15:07	WG1898832
Heptachlor	ND		0.0243	1	07/22/2022 15:07	WG1898832
Heptachlor epoxide	ND		0.0243	1	07/22/2022 15:07	WG1898832
Hexachlorobenzene	ND		0.0243	1	07/22/2022 15:07	WG1898832
Methoxychlor	ND		0.0243	1	07/22/2022 15:07	WG1898832
Toxaphene	ND		0.486	1	07/22/2022 15:07	WG1898832
(S) Decachlorobiphenyl	*71.2*		*10.0-135*		*07/22/2022 15:07*	WG1898832
(S) Tetrachloro-m-xylene	*74.1*		*10.0-139*		*07/22/2022 15:07*	WG1898832

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.0413	1	07/22/2022 15:07	WG1898832
PCB 1221	ND		0.0413	1	07/22/2022 15:07	WG1898832
PCB 1232	ND		0.0413	1	07/22/2022 15:07	WG1898832
PCB 1242	ND		0.0413	1	07/22/2022 15:07	WG1898832
PCB 1248	ND		0.0206	1	07/22/2022 15:07	WG1898832

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1254	ND		0.0206	1	07/22/2022 15:07	WG1898832
PCB 1260	ND		0.0206	1	07/22/2022 15:07	WG1898832
(S) Decachlorobiphenyl	*78.0*		*10.0-135*		*07/22/2022 15:07*	WG1898832
(S) Tetrachloro-m-xylene	*81.6*		*10.0-139*		*07/22/2022 15:07*	WG1898832

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0404	1	07/21/2022 11:07	WG1898133
Acenaphthylene	ND		0.0404	1	07/21/2022 11:07	WG1898133
Anthracene	ND		0.0404	1	07/21/2022 11:07	WG1898133
Benzidine	ND		2.03	1	07/21/2022 11:07	WG1898133
Benzo(a)anthracene	ND		0.0404	1	07/21/2022 11:07	WG1898133
Benzo(b)fluoranthene	ND		0.0404	1	07/21/2022 11:07	WG1898133
Benzo(k)fluoranthene	ND		0.0404	1	07/21/2022 11:07	WG1898133
Benzo(g,h,i)perylene	ND		0.0404	1	07/21/2022 11:07	WG1898133
Benzo(a)pyrene	ND		0.0404	1	07/21/2022 11:07	WG1898133
Bis(2-chlorethoxy)methane	ND		0.404	1	07/21/2022 11:07	WG1898133
Bis(2-chloroethyl)ether	ND		0.404	1	07/21/2022 11:07	WG1898133
2,2-Oxybis(1-Chloropropane)	ND		0.404	1	07/21/2022 11:07	WG1898133
4-Bromophenyl-phenylether	ND		0.404	1	07/21/2022 11:07	WG1898133
2-Chloronaphthalene	ND		0.0404	1	07/21/2022 11:07	WG1898133
4-Chlorophenyl-phenylether	ND		0.404	1	07/21/2022 11:07	WG1898133
Chrysene	ND		0.0404	1	07/21/2022 11:07	WG1898133
Dibenz(a,h)anthracene	ND		0.0404	1	07/21/2022 11:07	WG1898133
3,3-Dichlorobenzidine	ND		0.404	1	07/21/2022 11:07	WG1898133
2,4-Dinitrotoluene	ND		0.404	1	07/21/2022 11:07	WG1898133
2,6-Dinitrotoluene	ND		0.404	1	07/21/2022 11:07	WG1898133
Fluoranthene	ND		0.0404	1	07/21/2022 11:07	WG1898133
Fluorene	ND		0.0404	1	07/21/2022 11:07	WG1898133
Hexachlorobenzene	ND		0.404	1	07/21/2022 11:07	WG1898133
Hexachloro-1,3-butadiene	ND		0.404	1	07/21/2022 11:07	WG1898133
Hexachlorocyclopentadiene	ND		0.404	1	07/21/2022 11:07	WG1898133
Hexachloroethane	ND		0.404	1	07/21/2022 11:07	WG1898133
Indeno(1,2,3-cd)pyrene	ND		0.0404	1	07/21/2022 11:07	WG1898133
Isophorone	ND		0.404	1	07/21/2022 11:07	WG1898133
Naphthalene	ND		0.0404	1	07/21/2022 11:07	WG1898133
Nitrobenzene	ND		0.404	1	07/21/2022 11:07	WG1898133
n-Nitrosodimethylamine	ND		0.404	1	07/21/2022 11:07	WG1898133
n-Nitrosodiphenylamine	ND		0.404	1	07/21/2022 11:07	WG1898133
n-Nitrosodi-n-propylamine	ND		0.404	1	07/21/2022 11:07	WG1898133
Phenanthrene	ND		0.0404	1	07/21/2022 11:07	WG1898133
Benzylbutyl phthalate	ND		0.404	1	07/21/2022 11:07	WG1898133
Bis(2-ethylhexyl)phthalate	ND		0.404	1	07/21/2022 11:07	WG1898133
Di-n-butyl phthalate	ND		0.404	1	07/21/2022 11:07	WG1898133
Diethyl phthalate	ND		0.404	1	07/21/2022 11:07	WG1898133
Dimethyl phthalate	ND		0.404	1	07/21/2022 11:07	WG1898133
Di-n-octyl phthalate	ND		0.404	1	07/21/2022 11:07	WG1898133
Pyrene	ND		0.0404	1	07/21/2022 11:07	WG1898133
1,2,4-Trichlorobenzene	ND		0.404	1	07/21/2022 11:07	WG1898133
4-Chloro-3-methylphenol	ND		0.404	1	07/21/2022 11:07	WG1898133
2-Chlorophenol	ND		0.404	1	07/21/2022 11:07	WG1898133
2,4-Dichlorophenol	ND		0.404	1	07/21/2022 11:07	WG1898133
2,4-Dimethylphenol	ND		0.404	1	07/21/2022 11:07	WG1898133
4,6-Dinitro-2-methylphenol	ND		0.404	1	07/21/2022 11:07	WG1898133
2,4-Dinitrophenol	ND		0.404	1	07/21/2022 11:07	WG1898133

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	ND		0.404	1	07/21/2022 11:07	WG1898133
4-Nitrophenol	ND		0.404	1	07/21/2022 11:07	WG1898133
Pentachlorophenol	ND		0.404	1	07/21/2022 11:07	WG1898133
Phenol	ND		0.404	1	07/21/2022 11:07	WG1898133
2,4,6-Trichlorophenol	ND		0.404	1	07/21/2022 11:07	WG1898133
(S) 2-Fluorophenol	*65.0*		*12.0-120*		*07/21/2022 11:07*	WG1898133
(S) Phenol-d5	*59.7*		*10.0-120*		*07/21/2022 11:07*	WG1898133
(S) Nitrobenzene-d5	*56.7*		*10.0-122*		*07/21/2022 11:07*	WG1898133
(S) 2-Fluorobiphenyl	*58.9*		*15.0-120*		*07/21/2022 11:07*	WG1898133
(S) 2,4,6-Tribromophenol	*63.5*		*10.0-127*		*07/21/2022 11:07*	WG1898133
(S) p-Terphenyl-d14	*64.3*		*10.0-120*		*07/21/2022 11:07*	WG1898133

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.3		1	07/19/2022 10:53	WG1896653

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0407	1	07/22/2022 13:15	WG1898849

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.04	1	07/27/2022 23:11	WG1897777
Arsenic	2.09		2.04	1	07/27/2022 23:11	WG1897777
Barium	119		0.509	1	07/27/2022 23:11	WG1897777
Beryllium	0.531		0.204	1	07/27/2022 23:11	WG1897777
Cadmium	ND		0.509	1	07/27/2022 23:11	WG1897777
Chromium	15.7		1.02	1	07/27/2022 23:11	WG1897777
Cobalt	7.76		1.02	1	07/28/2022 12:03	WG1897777
Copper	12.7		2.04	1	07/27/2022 23:11	WG1897777
Lead	3.27		0.509	1	07/27/2022 23:11	WG1897777
Molybdenum	ND		0.509	1	07/27/2022 23:11	WG1897777
Nickel	8.81		2.04	1	07/27/2022 23:11	WG1897777
Selenium	ND		2.04	1	07/27/2022 23:11	WG1897777
Silver	ND		1.02	1	07/27/2022 23:11	WG1897777
Thallium	ND		2.04	1	07/27/2022 23:11	WG1897777
Vanadium	39.1		2.04	1	07/27/2022 23:11	WG1897777
Zinc	39.2		5.09	1	07/27/2022 23:11	WG1897777

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		2.59	25	07/18/2022 09:09	WG1896567
(S) a,a,a-Trifluorotoluene(FID)	*96.8*		*77.0-120*		*07/18/2022 09:09*	WG1896567

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0520	1	07/20/2022 05:08	WG1897756
Acrylonitrile	ND		0.0130	1	07/20/2022 05:08	WG1897756
Benzene	ND		0.00104	1	07/20/2022 05:08	WG1897756
Bromobenzene	ND		0.0130	1	07/20/2022 05:08	WG1897756
Bromodichloromethane	ND		0.00260	1	07/20/2022 05:08	WG1897756
Bromoform	ND		0.0260	1	07/20/2022 05:08	WG1897756
Bromomethane	ND		0.0130	1	07/20/2022 05:08	WG1897756
n-Butylbenzene	ND		0.0130	1	07/20/2022 05:08	WG1897756
sec-Butylbenzene	ND		0.0130	1	07/20/2022 05:08	WG1897756
tert-Butylbenzene	ND		0.00520	1	07/20/2022 05:08	WG1897756
Carbon tetrachloride	ND		0.00520	1	07/20/2022 05:08	WG1897756
Chlorobenzene	ND		0.00260	1	07/20/2022 05:08	WG1897756
Chlorodibromomethane	ND		0.00260	1	07/20/2022 05:08	WG1897756
Chloroethane	ND		0.00520	1	07/20/2022 05:08	WG1897756
Chloroform	ND		0.00260	1	07/20/2022 05:08	WG1897756
Chloromethane	ND		0.0130	1	07/20/2022 05:08	WG1897756
2-Chlorotoluene	ND		0.00260	1	07/20/2022 05:08	WG1897756
4-Chlorotoluene	ND		0.00520	1	07/20/2022 05:08	WG1897756

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0260	1	07/20/2022 05:08	WG1897756
1,2-Dibromoethane	ND		0.00260	1	07/20/2022 05:08	WG1897756
Dibromomethane	ND		0.00520	1	07/20/2022 05:08	WG1897756
1,2-Dichlorobenzene	ND		0.00520	1	07/20/2022 05:08	WG1897756
1,3-Dichlorobenzene	ND		0.00520	1	07/20/2022 05:08	WG1897756
1,4-Dichlorobenzene	ND		0.00520	1	07/20/2022 05:08	WG1897756
Dichlorodifluoromethane	ND		0.00260	1	07/20/2022 05:08	WG1897756
1,1-Dichloroethane	ND		0.00260	1	07/20/2022 05:08	WG1897756
1,2-Dichloroethane	ND		0.00260	1	07/20/2022 05:08	WG1897756
1,1-Dichloroethene	ND		0.00260	1	07/20/2022 05:08	WG1897756
cis-1,2-Dichloroethene	ND		0.00260	1	07/20/2022 05:08	WG1897756
trans-1,2-Dichloroethene	ND		0.00520	1	07/20/2022 05:08	WG1897756
1,2-Dichloropropane	ND		0.00520	1	07/20/2022 05:08	WG1897756
1,1-Dichloropropene	ND		0.00260	1	07/20/2022 05:08	WG1897756
1,3-Dichloropropane	ND		0.00520	1	07/20/2022 05:08	WG1897756
cis-1,3-Dichloropropene	ND		0.00260	1	07/20/2022 05:08	WG1897756
trans-1,3-Dichloropropene	ND		0.00520	1	07/20/2022 05:08	WG1897756
2,2-Dichloropropane	ND		0.00260	1	07/20/2022 05:08	WG1897756
Di-isopropyl ether	ND		0.00104	1	07/20/2022 05:08	WG1897756
Ethylbenzene	0.00604		0.00260	1	07/20/2022 05:08	WG1897756
Hexachloro-1,3-butadiene	ND		0.0260	1	07/20/2022 05:08	WG1897756
Isopropylbenzene	ND		0.00260	1	07/20/2022 05:08	WG1897756
p-Isopropyltoluene	ND		0.00520	1	07/20/2022 05:08	WG1897756
2-Butanone (MEK)	ND		0.104	1	07/20/2022 05:08	WG1897756
Methylene Chloride	ND		0.0260	1	07/20/2022 05:08	WG1897756
4-Methyl-2-pentanone (MIBK)	ND		0.0260	1	07/20/2022 05:08	WG1897756
Methyl tert-butyl ether	ND		0.00104	1	07/20/2022 05:08	WG1897756
Naphthalene	ND		0.0130	1	07/20/2022 05:08	WG1897756
n-Propylbenzene	ND		0.00520	1	07/20/2022 05:08	WG1897756
Styrene	ND		0.0130	1	07/20/2022 05:08	WG1897756
1,1,1,2-Tetrachloroethane	ND		0.00260	1	07/20/2022 05:08	WG1897756
1,1,2,2-Tetrachloroethane	ND		0.00260	1	07/20/2022 05:08	WG1897756
1,1,2-Trichlorotrifluoroethane	ND		0.00260	1	07/20/2022 05:08	WG1897756
Tetrachloroethene	ND	J4	0.00260	1	07/20/2022 05:08	WG1897756
Toluene	ND		0.00520	1	07/20/2022 05:08	WG1897756
1,2,3-Trichlorobenzene	ND		0.0130	1	07/20/2022 05:08	WG1897756
1,2,4-Trichlorobenzene	ND		0.0130	1	07/20/2022 05:08	WG1897756
1,1,1-Trichloroethane	ND		0.00260	1	07/20/2022 05:08	WG1897756
1,1,2-Trichloroethane	ND		0.00260	1	07/20/2022 05:08	WG1897756
Trichloroethene	ND		0.00104	1	07/20/2022 05:08	WG1897756
Trichlorofluoromethane	ND		0.00260	1	07/20/2022 05:08	WG1897756
1,2,3-Trichloropropane	ND		0.0130	1	07/20/2022 05:08	WG1897756
1,2,4-Trimethylbenzene	ND		0.00520	1	07/20/2022 05:08	WG1897756
1,2,3-Trimethylbenzene	ND		0.00520	1	07/20/2022 05:08	WG1897756
1,3,5-Trimethylbenzene	ND		0.00520	1	07/20/2022 05:08	WG1897756
Vinyl chloride	ND		0.00260	1	07/20/2022 05:08	WG1897756
Xylenes, Total	0.0392		0.00676	1	07/20/2022 05:08	WG1897756
(S) Toluene-d8	*111*		*75.0-131*		*07/20/2022 05:08*	WG1897756
(S) 4-Bromofluorobenzene	*90.3*		*67.0-138*		*07/20/2022 05:08*	WG1897756
(S) 1,2-Dichloroethane-d4	*73.1*		*70.0-130*		*07/20/2022 05:08*	WG1897756

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.07	1	07/22/2022 17:15	WG1898868
C22-C32 Hydrocarbons	ND		4.07	1	07/22/2022 17:15	WG1898868
C32-C40 Hydrocarbons	ND		4.07	1	07/22/2022 17:15	WG1898868
(S) o-Terphenyl	*83.1*		*18.0-148*		*07/22/2022 17:15*	WG1898868

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	ND		0.0712	1	07/21/2022 23:00	WG1897572
Dalapon	ND		0.0712	1	07/21/2022 23:00	WG1897572
2,4-DB	ND		0.0712	1	07/21/2022 23:00	WG1897572
Dicamba	ND		0.0712	1	07/21/2022 23:00	WG1897572
Dichloroprop	ND		0.0712	1	07/21/2022 23:00	WG1897572
Dinoseb	ND		0.0712	1	07/21/2022 23:00	WG1897572
MCPA	ND		6.61	1	07/21/2022 23:00	WG1897572
MCPP	ND		6.61	1	07/21/2022 23:00	WG1897572
2,4,5-T	ND		0.0712	1	07/21/2022 23:00	WG1897572
2,4,5-TP (Silvex)	ND		0.0712	1	07/21/2022 23:00	WG1897572
(S) 2,4-Dichlorophenyl Acetic Acid	*63.9*		*22.0-132*		*07/21/2022 23:00*	WG1897572

Pesticides (GC) by Method 8081

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	ND		0.0204	1	07/22/2022 15:16	WG1898832
Alpha BHC	ND		0.0204	1	07/22/2022 15:16	WG1898832
Beta BHC	ND		0.0204	1	07/22/2022 15:16	WG1898832
Delta BHC	ND		0.0204	1	07/22/2022 15:16	WG1898832
Gamma BHC	ND		0.0204	1	07/22/2022 15:16	WG1898832
Chlordane	ND		0.305	1	07/22/2022 15:16	WG1898832
4,4-DDD	ND		0.0204	1	07/22/2022 15:16	WG1898832
4,4-DDE	ND		0.0204	1	07/22/2022 15:16	WG1898832
4,4-DDT	ND		0.0204	1	07/22/2022 15:16	WG1898832
Dieldrin	ND		0.0204	1	07/22/2022 15:16	WG1898832
Endosulfan I	ND		0.0204	1	07/22/2022 15:16	WG1898832
Endosulfan II	ND		0.0204	1	07/22/2022 15:16	WG1898832
Endosulfan sulfate	ND		0.0204	1	07/22/2022 15:16	WG1898832
Endrin	ND		0.0204	1	07/22/2022 15:16	WG1898832
Endrin aldehyde	ND		0.0204	1	07/22/2022 15:16	WG1898832
Endrin ketone	ND		0.0204	1	07/22/2022 15:16	WG1898832
Heptachlor	ND		0.0204	1	07/22/2022 15:16	WG1898832
Heptachlor epoxide	ND		0.0204	1	07/22/2022 15:16	WG1898832
Hexachlorobenzene	ND		0.0204	1	07/22/2022 15:16	WG1898832
Methoxychlor	ND		0.0204	1	07/22/2022 15:16	WG1898832
Toxaphene	ND		0.407	1	07/22/2022 15:16	WG1898832
(S) Decachlorobiphenyl	*64.5*		*10.0-135*		*07/22/2022 15:16*	WG1898832
(S) Tetrachloro-m-xylene	*53.1*		*10.0-139*		*07/22/2022 15:16*	WG1898832

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.0346	1	07/22/2022 15:16	WG1898832
PCB 1221	ND		0.0346	1	07/22/2022 15:16	WG1898832
PCB 1232	ND		0.0346	1	07/22/2022 15:16	WG1898832
PCB 1242	ND		0.0346	1	07/22/2022 15:16	WG1898832
PCB 1248	ND		0.0173	1	07/22/2022 15:16	WG1898832

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1254	ND		0.0173	1	07/22/2022 15:16	WG1898832
PCB 1260	ND		0.0173	1	07/22/2022 15:16	WG1898832
(S) Decachlorobiphenyl	*72.3*		*10.0-135*		*07/22/2022 15:16*	WG1898832
(S) Tetrachloro-m-xylene	*59.6*		*10.0-139*		*07/22/2022 15:16*	WG1898832

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0339	1	07/21/2022 17:49	WG1898133
Acenaphthylene	ND		0.0339	1	07/21/2022 17:49	WG1898133
Anthracene	ND		0.0339	1	07/21/2022 17:49	WG1898133
Benzidine	ND		1.70	1	07/21/2022 17:49	WG1898133
Benzo(a)anthracene	ND		0.0339	1	07/21/2022 17:49	WG1898133
Benzo(b)fluoranthene	ND		0.0339	1	07/21/2022 17:49	WG1898133
Benzo(k)fluoranthene	ND		0.0339	1	07/21/2022 17:49	WG1898133
Benzo(g,h,i)perylene	ND		0.0339	1	07/21/2022 17:49	WG1898133
Benzo(a)pyrene	ND		0.0339	1	07/21/2022 17:49	WG1898133
Bis(2-chlorethoxy)methane	ND		0.339	1	07/21/2022 17:49	WG1898133
Bis(2-chloroethyl)ether	ND		0.339	1	07/21/2022 17:49	WG1898133
2,2-Oxybis(1-Chloropropane)	ND		0.339	1	07/21/2022 17:49	WG1898133
4-Bromophenyl-phenylether	ND		0.339	1	07/21/2022 17:49	WG1898133
2-Chloronaphthalene	ND		0.0339	1	07/21/2022 17:49	WG1898133
4-Chlorophenyl-phenylether	ND		0.339	1	07/21/2022 17:49	WG1898133
Chrysene	ND		0.0339	1	07/21/2022 17:49	WG1898133
Dibenz(a,h)anthracene	ND		0.0339	1	07/21/2022 17:49	WG1898133
3,3-Dichlorobenzidine	ND		0.339	1	07/21/2022 17:49	WG1898133
2,4-Dinitrotoluene	ND		0.339	1	07/21/2022 17:49	WG1898133
2,6-Dinitrotoluene	ND		0.339	1	07/21/2022 17:49	WG1898133
Fluoranthene	ND		0.0339	1	07/21/2022 17:49	WG1898133
Fluorene	ND		0.0339	1	07/21/2022 17:49	WG1898133
Hexachlorobenzene	ND		0.339	1	07/21/2022 17:49	WG1898133
Hexachloro-1,3-butadiene	ND		0.339	1	07/21/2022 17:49	WG1898133
Hexachlorocyclopentadiene	ND		0.339	1	07/21/2022 17:49	WG1898133
Hexachloroethane	ND		0.339	1	07/21/2022 17:49	WG1898133
Indeno(1,2,3-cd)pyrene	ND		0.0339	1	07/21/2022 17:49	WG1898133
Isophorone	ND		0.339	1	07/21/2022 17:49	WG1898133
Naphthalene	ND		0.0339	1	07/21/2022 17:49	WG1898133
Nitrobenzene	ND		0.339	1	07/21/2022 17:49	WG1898133
n-Nitrosodimethylamine	ND		0.339	1	07/21/2022 17:49	WG1898133
n-Nitrosodiphenylamine	ND		0.339	1	07/21/2022 17:49	WG1898133
n-Nitrosodi-n-propylamine	ND		0.339	1	07/21/2022 17:49	WG1898133
Phenanthrene	ND		0.0339	1	07/21/2022 17:49	WG1898133
Benzylbutyl phthalate	ND		0.339	1	07/21/2022 17:49	WG1898133
Bis(2-ethylhexyl)phthalate	ND		0.339	1	07/21/2022 17:49	WG1898133
Di-n-butyl phthalate	ND		0.339	1	07/21/2022 17:49	WG1898133
Diethyl phthalate	ND		0.339	1	07/21/2022 17:49	WG1898133
Dimethyl phthalate	ND		0.339	1	07/21/2022 17:49	WG1898133
Di-n-octyl phthalate	ND		0.339	1	07/21/2022 17:49	WG1898133
Pyrene	ND		0.0339	1	07/21/2022 17:49	WG1898133
1,2,4-Trichlorobenzene	ND		0.339	1	07/21/2022 17:49	WG1898133
4-Chloro-3-methylphenol	ND		0.339	1	07/21/2022 17:49	WG1898133
2-Chlorophenol	ND		0.339	1	07/21/2022 17:49	WG1898133
2,4-Dichlorophenol	ND		0.339	1	07/21/2022 17:49	WG1898133
2,4-Dimethylphenol	ND		0.339	1	07/21/2022 17:49	WG1898133
4,6-Dinitro-2-methylphenol	ND		0.339	1	07/21/2022 17:49	WG1898133
2,4-Dinitrophenol	ND		0.339	1	07/21/2022 17:49	WG1898133

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	ND		0.339	1	07/21/2022 17:49	WG1898133
4-Nitrophenol	ND		0.339	1	07/21/2022 17:49	WG1898133
Pentachlorophenol	ND		0.339	1	07/21/2022 17:49	WG1898133
Phenol	ND		0.339	1	07/21/2022 17:49	WG1898133
2,4,6-Trichlorophenol	ND		0.339	1	07/21/2022 17:49	WG1898133
(S) 2-Fluorophenol	*49.2*		*12.0-120*		*07/21/2022 17:49*	WG1898133
(S) Phenol-d5	*46.5*		*10.0-120*		*07/21/2022 17:49*	WG1898133
(S) Nitrobenzene-d5	*44.5*		*10.0-122*		*07/21/2022 17:49*	WG1898133
(S) 2-Fluorobiphenyl	*45.7*		*15.0-120*		*07/21/2022 17:49*	WG1898133
(S) 2,4,6-Tribromophenol	*50.3*		*10.0-127*		*07/21/2022 17:49*	WG1898133
(S) p-Terphenyl-d14	*53.1*		*10.0-120*		*07/21/2022 17:49*	WG1898133

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.6		1	07/19/2022 10:34	WG1896725

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0418	1	07/22/2022 13:18	WG1898849

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.09	1	07/27/2022 23:14	WG1897777
Arsenic	2.20		2.09	1	07/27/2022 23:14	WG1897777
Barium	153		0.523	1	07/27/2022 23:14	WG1897777
Beryllium	0.498		0.209	1	07/27/2022 23:14	WG1897777
Cadmium	ND		0.523	1	07/27/2022 23:14	WG1897777
Chromium	18.5		1.05	1	07/27/2022 23:14	WG1897777
Cobalt	9.18		1.05	1	07/28/2022 12:06	WG1897777
Copper	14.2		2.09	1	07/27/2022 23:14	WG1897777
Lead	2.71		0.523	1	07/27/2022 23:14	WG1897777
Molybdenum	ND		0.523	1	07/27/2022 23:14	WG1897777
Nickel	10.2		2.09	1	07/27/2022 23:14	WG1897777
Selenium	ND		2.09	1	07/27/2022 23:14	WG1897777
Silver	ND		1.05	1	07/27/2022 23:14	WG1897777
Thallium	ND		2.09	1	07/27/2022 23:14	WG1897777
Vanadium	48.0		2.09	1	07/27/2022 23:14	WG1897777
Zinc	43.7		5.23	1	07/27/2022 23:14	WG1897777

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		2.74	25	07/18/2022 09:29	WG1896567
(S) a,a,a-Trifluorotoluene(FID)	*95.7*		*77.0-120*		*07/18/2022 09:29*	WG1896567

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0549	1	07/20/2022 05:27	WG1897756
Acrylonitrile	ND		0.0137	1	07/20/2022 05:27	WG1897756
Benzene	ND		0.00110	1	07/20/2022 05:27	WG1897756
Bromobenzene	ND		0.0137	1	07/20/2022 05:27	WG1897756
Bromodichloromethane	ND		0.00274	1	07/20/2022 05:27	WG1897756
Bromoform	ND		0.0274	1	07/20/2022 05:27	WG1897756
Bromomethane	ND		0.0137	1	07/20/2022 05:27	WG1897756
n-Butylbenzene	ND		0.0137	1	07/20/2022 05:27	WG1897756
sec-Butylbenzene	ND		0.0137	1	07/20/2022 05:27	WG1897756
tert-Butylbenzene	ND		0.00549	1	07/20/2022 05:27	WG1897756
Carbon tetrachloride	ND		0.00549	1	07/20/2022 05:27	WG1897756
Chlorobenzene	ND		0.00274	1	07/20/2022 05:27	WG1897756
Chlorodibromomethane	ND		0.00274	1	07/20/2022 05:27	WG1897756
Chloroethane	ND		0.00549	1	07/20/2022 05:27	WG1897756
Chloroform	ND		0.00274	1	07/20/2022 05:27	WG1897756
Chloromethane	ND		0.0137	1	07/20/2022 05:27	WG1897756
2-Chlorotoluene	ND		0.00274	1	07/20/2022 05:27	WG1897756
4-Chlorotoluene	ND		0.00549	1	07/20/2022 05:27	WG1897756

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0274	1	07/20/2022 05:27	WG1897756
1,2-Dibromoethane	ND		0.00274	1	07/20/2022 05:27	WG1897756
Dibromomethane	ND		0.00549	1	07/20/2022 05:27	WG1897756
1,2-Dichlorobenzene	ND		0.00549	1	07/20/2022 05:27	WG1897756
1,3-Dichlorobenzene	ND		0.00549	1	07/20/2022 05:27	WG1897756
1,4-Dichlorobenzene	ND		0.00549	1	07/20/2022 05:27	WG1897756
Dichlorodifluoromethane	ND		0.00274	1	07/20/2022 05:27	WG1897756
1,1-Dichloroethane	ND		0.00274	1	07/20/2022 05:27	WG1897756
1,2-Dichloroethane	ND		0.00274	1	07/20/2022 05:27	WG1897756
1,1-Dichloroethene	ND		0.00274	1	07/20/2022 05:27	WG1897756
cis-1,2-Dichloroethene	ND		0.00274	1	07/20/2022 05:27	WG1897756
trans-1,2-Dichloroethene	ND		0.00549	1	07/20/2022 05:27	WG1897756
1,2-Dichloropropane	ND		0.00549	1	07/20/2022 05:27	WG1897756
1,1-Dichloropropene	ND		0.00274	1	07/20/2022 05:27	WG1897756
1,3-Dichloropropane	ND		0.00549	1	07/20/2022 05:27	WG1897756
cis-1,3-Dichloropropene	ND		0.00274	1	07/20/2022 05:27	WG1897756
trans-1,3-Dichloropropene	ND		0.00549	1	07/20/2022 05:27	WG1897756
2,2-Dichloropropane	ND		0.00274	1	07/20/2022 05:27	WG1897756
Di-isopropyl ether	ND		0.00110	1	07/20/2022 05:27	WG1897756
Ethylbenzene	ND		0.00274	1	07/20/2022 05:27	WG1897756
Hexachloro-1,3-butadiene	ND		0.0274	1	07/20/2022 05:27	WG1897756
Isopropylbenzene	ND		0.00274	1	07/20/2022 05:27	WG1897756
p-Isopropyltoluene	ND		0.00549	1	07/20/2022 05:27	WG1897756
2-Butanone (MEK)	ND		0.110	1	07/20/2022 05:27	WG1897756
Methylene Chloride	ND		0.0274	1	07/20/2022 05:27	WG1897756
4-Methyl-2-pentanone (MIBK)	ND		0.0274	1	07/20/2022 05:27	WG1897756
Methyl tert-butyl ether	ND		0.00110	1	07/20/2022 05:27	WG1897756
Naphthalene	ND		0.0137	1	07/20/2022 05:27	WG1897756
n-Propylbenzene	ND		0.00549	1	07/20/2022 05:27	WG1897756
Styrene	ND		0.0137	1	07/20/2022 05:27	WG1897756
1,1,1,2-Tetrachloroethane	ND		0.00274	1	07/20/2022 05:27	WG1897756
1,1,2,2-Tetrachloroethane	ND		0.00274	1	07/20/2022 05:27	WG1897756
1,1,2-Trichlorotrifluoroethane	ND		0.00274	1	07/20/2022 05:27	WG1897756
Tetrachloroethene	ND	J4	0.00274	1	07/20/2022 05:27	WG1897756
Toluene	ND		0.00549	1	07/20/2022 05:27	WG1897756
1,2,3-Trichlorobenzene	ND		0.0137	1	07/20/2022 05:27	WG1897756
1,2,4-Trichlorobenzene	ND		0.0137	1	07/20/2022 05:27	WG1897756
1,1,1-Trichloroethane	ND		0.00274	1	07/20/2022 05:27	WG1897756
1,1,2-Trichloroethane	ND		0.00274	1	07/20/2022 05:27	WG1897756
Trichloroethene	ND		0.00110	1	07/20/2022 05:27	WG1897756
Trichlorofluoromethane	ND		0.00274	1	07/20/2022 05:27	WG1897756
1,2,3-Trichloropropane	ND		0.0137	1	07/20/2022 05:27	WG1897756
1,2,4-Trimethylbenzene	ND		0.00549	1	07/20/2022 05:27	WG1897756
1,2,3-Trimethylbenzene	ND		0.00549	1	07/20/2022 05:27	WG1897756
1,3,5-Trimethylbenzene	ND		0.00549	1	07/20/2022 05:27	WG1897756
Vinyl chloride	ND		0.00274	1	07/20/2022 05:27	WG1897756
Xylenes, Total	ND		0.00714	1	07/20/2022 05:27	WG1897756
(S) Toluene-d8	*112*		*75.0-131*		*07/20/2022 05:27*	WG1897756
(S) 4-Bromofluorobenzene	*90.5*		*67.0-138*		*07/20/2022 05:27*	WG1897756
(S) 1,2-Dichloroethane-d4	*76.9*		*70.0-130*		*07/20/2022 05:27*	WG1897756

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.18	1	07/22/2022 17:02	WG1898868
C22-C32 Hydrocarbons	ND		4.18	1	07/22/2022 17:02	WG1898868
C32-C40 Hydrocarbons	ND		4.18	1	07/22/2022 17:02	WG1898868
(S) o-Terphenyl	*73.9*		*18.0-148*		*07/22/2022 17:02*	WG1898868

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	ND		0.0732	1	07/21/2022 23:59	WG1897572
Dalapon	ND		0.0732	1	07/21/2022 23:59	WG1897572
2,4-DB	ND		0.0732	1	07/21/2022 23:59	WG1897572
Dicamba	ND		0.0732	1	07/21/2022 23:59	WG1897572
Dichloroprop	ND		0.0732	1	07/21/2022 23:59	WG1897572
Dinoseb	ND		0.0732	1	07/21/2022 23:59	WG1897572
MCPA	ND		6.80	1	07/21/2022 23:59	WG1897572
MCPP	ND		6.80	1	07/21/2022 23:59	WG1897572
2,4,5-T	ND		0.0732	1	07/21/2022 23:59	WG1897572
2,4,5-TP (Silvex)	ND		0.0732	1	07/21/2022 23:59	WG1897572
(S) 2,4-Dichlorophenyl Acetic Acid	*69.9*		*22.0-132*		*07/21/2022 23:59*	WG1897572

Pesticides (GC) by Method 8081

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	ND		0.0209	1	07/22/2022 15:25	WG1898832
Alpha BHC	ND		0.0209	1	07/22/2022 15:25	WG1898832
Beta BHC	ND		0.0209	1	07/22/2022 15:25	WG1898832
Delta BHC	ND		0.0209	1	07/22/2022 15:25	WG1898832
Gamma BHC	ND		0.0209	1	07/22/2022 15:25	WG1898832
Chlordane	ND		0.314	1	07/22/2022 15:25	WG1898832
4,4-DDD	ND		0.0209	1	07/22/2022 15:25	WG1898832
4,4-DDE	ND		0.0209	1	07/22/2022 15:25	WG1898832
4,4-DDT	ND		0.0209	1	07/22/2022 15:25	WG1898832
Dieldrin	ND		0.0209	1	07/22/2022 15:25	WG1898832
Endosulfan I	ND		0.0209	1	07/22/2022 15:25	WG1898832
Endosulfan II	ND		0.0209	1	07/22/2022 15:25	WG1898832
Endosulfan sulfate	ND		0.0209	1	07/22/2022 15:25	WG1898832
Endrin	ND		0.0209	1	07/22/2022 15:25	WG1898832
Endrin aldehyde	ND		0.0209	1	07/22/2022 15:25	WG1898832
Endrin ketone	ND		0.0209	1	07/22/2022 15:25	WG1898832
Heptachlor	ND		0.0209	1	07/22/2022 15:25	WG1898832
Heptachlor epoxide	ND		0.0209	1	07/22/2022 15:25	WG1898832
Hexachlorobenzene	ND		0.0209	1	07/22/2022 15:25	WG1898832
Methoxychlor	ND		0.0209	1	07/22/2022 15:25	WG1898832
Toxaphene	ND		0.418	1	07/22/2022 15:25	WG1898832
(S) Decachlorobiphenyl	*95.6*		*10.0-135*		*07/22/2022 15:25*	WG1898832
(S) Tetrachloro-m-xylene	*77.5*		*10.0-139*		*07/22/2022 15:25*	WG1898832

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.0356	1	07/22/2022 15:25	WG1898832
PCB 1221	ND		0.0356	1	07/22/2022 15:25	WG1898832
PCB 1232	ND		0.0356	1	07/22/2022 15:25	WG1898832
PCB 1242	ND		0.0356	1	07/22/2022 15:25	WG1898832
PCB 1248	ND		0.0178	1	07/22/2022 15:25	WG1898832

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1254	ND		0.0178	1	07/22/2022 15:25	WG1898832
PCB 1260	ND		0.0178	1	07/22/2022 15:25	WG1898832
(S) Decachlorobiphenyl	*106*		*10.0-135*		*07/22/2022 15:25*	WG1898832
(S) Tetrachloro-m-xylene	*86.6*		*10.0-139*		*07/22/2022 15:25*	WG1898832

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0348	1	07/21/2022 17:28	WG1898133
Acenaphthylene	ND		0.0348	1	07/21/2022 17:28	WG1898133
Anthracene	ND		0.0348	1	07/21/2022 17:28	WG1898133
Benzidine	ND		1.75	1	07/21/2022 17:28	WG1898133
Benzo(a)anthracene	ND		0.0348	1	07/21/2022 17:28	WG1898133
Benzo(b)fluoranthene	ND		0.0348	1	07/21/2022 17:28	WG1898133
Benzo(k)fluoranthene	ND		0.0348	1	07/21/2022 17:28	WG1898133
Benzo(g,h,i)perylene	ND		0.0348	1	07/21/2022 17:28	WG1898133
Benzo(a)pyrene	ND		0.0348	1	07/21/2022 17:28	WG1898133
Bis(2-chlorethoxy)methane	ND		0.348	1	07/21/2022 17:28	WG1898133
Bis(2-chloroethyl)ether	ND		0.348	1	07/21/2022 17:28	WG1898133
2,2-Oxybis(1-Chloropropane)	ND		0.348	1	07/21/2022 17:28	WG1898133
4-Bromophenyl-phenylether	ND		0.348	1	07/21/2022 17:28	WG1898133
2-Chloronaphthalene	ND		0.0348	1	07/21/2022 17:28	WG1898133
4-Chlorophenyl-phenylether	ND		0.348	1	07/21/2022 17:28	WG1898133
Chrysene	ND		0.0348	1	07/21/2022 17:28	WG1898133
Dibenz(a,h)anthracene	ND		0.0348	1	07/21/2022 17:28	WG1898133
3,3-Dichlorobenzidine	ND		0.348	1	07/21/2022 17:28	WG1898133
2,4-Dinitrotoluene	ND		0.348	1	07/21/2022 17:28	WG1898133
2,6-Dinitrotoluene	ND		0.348	1	07/21/2022 17:28	WG1898133
Fluoranthene	ND		0.0348	1	07/21/2022 17:28	WG1898133
Fluorene	ND		0.0348	1	07/21/2022 17:28	WG1898133
Hexachlorobenzene	ND		0.348	1	07/21/2022 17:28	WG1898133
Hexachloro-1,3-butadiene	ND		0.348	1	07/21/2022 17:28	WG1898133
Hexachlorocyclopentadiene	ND		0.348	1	07/21/2022 17:28	WG1898133
Hexachloroethane	ND		0.348	1	07/21/2022 17:28	WG1898133
Indeno(1,2,3-cd)pyrene	ND		0.0348	1	07/21/2022 17:28	WG1898133
Isophorone	ND		0.348	1	07/21/2022 17:28	WG1898133
Naphthalene	ND		0.0348	1	07/21/2022 17:28	WG1898133
Nitrobenzene	ND		0.348	1	07/21/2022 17:28	WG1898133
n-Nitrosodimethylamine	ND		0.348	1	07/21/2022 17:28	WG1898133
n-Nitrosodiphenylamine	ND		0.348	1	07/21/2022 17:28	WG1898133
n-Nitrosodi-n-propylamine	ND		0.348	1	07/21/2022 17:28	WG1898133
Phenanthrene	ND		0.0348	1	07/21/2022 17:28	WG1898133
Benzylbutyl phthalate	ND		0.348	1	07/21/2022 17:28	WG1898133
Bis(2-ethylhexyl)phthalate	ND		0.348	1	07/21/2022 17:28	WG1898133
Di-n-butyl phthalate	ND		0.348	1	07/21/2022 17:28	WG1898133
Diethyl phthalate	ND		0.348	1	07/21/2022 17:28	WG1898133
Dimethyl phthalate	ND		0.348	1	07/21/2022 17:28	WG1898133
Di-n-octyl phthalate	ND		0.348	1	07/21/2022 17:28	WG1898133
Pyrene	ND		0.0348	1	07/21/2022 17:28	WG1898133
1,2,4-Trichlorobenzene	ND		0.348	1	07/21/2022 17:28	WG1898133
4-Chloro-3-methylphenol	ND		0.348	1	07/21/2022 17:28	WG1898133
2-Chlorophenol	ND		0.348	1	07/21/2022 17:28	WG1898133
2,4-Dichlorophenol	ND		0.348	1	07/21/2022 17:28	WG1898133
2,4-Dimethylphenol	ND		0.348	1	07/21/2022 17:28	WG1898133
4,6-Dinitro-2-methylphenol	ND		0.348	1	07/21/2022 17:28	WG1898133
2,4-Dinitrophenol	ND		0.348	1	07/21/2022 17:28	WG1898133

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	ND		0.348	1	07/21/2022 17:28	WG1898133
4-Nitrophenol	ND		0.348	1	07/21/2022 17:28	WG1898133
Pentachlorophenol	ND		0.348	1	07/21/2022 17:28	WG1898133
Phenol	ND		0.348	1	07/21/2022 17:28	WG1898133
2,4,6-Trichlorophenol	ND		0.348	1	07/21/2022 17:28	WG1898133
(S) 2-Fluorophenol	*49.2*		*12.0-120*		*07/21/2022 17:28*	WG1898133
(S) Phenol-d5	*45.1*		*10.0-120*		*07/21/2022 17:28*	WG1898133
(S) Nitrobenzene-d5	*42.2*		*10.0-122*		*07/21/2022 17:28*	WG1898133
(S) 2-Fluorobiphenyl	*42.2*		*15.0-120*		*07/21/2022 17:28*	WG1898133
(S) 2,4,6-Tribromophenol	*48.5*		*10.0-127*		*07/21/2022 17:28*	WG1898133
(S) p-Terphenyl-d14	*50.5*		*10.0-120*		*07/21/2022 17:28*	WG1898133

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.4		1	07/19/2022 10:34	WG1896725

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0419	1	07/22/2022 13:20	WG1898849

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.10	1	07/27/2022 23:17	WG1897777
Arsenic	ND		2.10	1	07/27/2022 23:17	WG1897777
Barium	151		0.524	1	07/27/2022 23:17	WG1897777
Beryllium	0.503		0.210	1	07/27/2022 23:17	WG1897777
Cadmium	ND		0.524	1	07/27/2022 23:17	WG1897777
Chromium	19.2		1.05	1	07/27/2022 23:17	WG1897777
Cobalt	9.33		1.05	1	07/28/2022 12:09	WG1897777
Copper	15.5		2.10	1	07/27/2022 23:17	WG1897777
Lead	3.05		0.524	1	07/27/2022 23:17	WG1897777
Molybdenum	ND		0.524	1	07/27/2022 23:17	WG1897777
Nickel	11.4		2.10	1	07/27/2022 23:17	WG1897777
Selenium	ND		2.10	1	07/27/2022 23:17	WG1897777
Silver	ND		1.05	1	07/27/2022 23:17	WG1897777
Thallium	ND		2.10	1	07/27/2022 23:17	WG1897777
Vanadium	47.2		2.10	1	07/27/2022 23:17	WG1897777
Zinc	48.2		5.24	1	07/27/2022 23:17	WG1897777

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		2.76	25	07/18/2022 09:50	WG1896567
(S) a,a,a-Trifluorotoluene(FID)	*97.2*		*77.0-120*		*07/18/2022 09:50*	WG1896567

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0552	1	07/20/2022 05:46	WG1897756
Acrylonitrile	ND		0.0138	1	07/20/2022 05:46	WG1897756
Benzene	ND		0.00110	1	07/20/2022 05:46	WG1897756
Bromobenzene	ND		0.0138	1	07/20/2022 05:46	WG1897756
Bromodichloromethane	ND		0.00276	1	07/20/2022 05:46	WG1897756
Bromoform	ND		0.0276	1	07/20/2022 05:46	WG1897756
Bromomethane	ND		0.0138	1	07/20/2022 05:46	WG1897756
n-Butylbenzene	ND		0.0138	1	07/20/2022 05:46	WG1897756
sec-Butylbenzene	ND		0.0138	1	07/20/2022 05:46	WG1897756
tert-Butylbenzene	ND		0.00552	1	07/20/2022 05:46	WG1897756
Carbon tetrachloride	ND		0.00552	1	07/20/2022 05:46	WG1897756
Chlorobenzene	ND		0.00276	1	07/20/2022 05:46	WG1897756
Chlorodibromomethane	ND		0.00276	1	07/20/2022 05:46	WG1897756
Chloroethane	ND		0.00552	1	07/20/2022 05:46	WG1897756
Chloroform	ND		0.00276	1	07/20/2022 05:46	WG1897756
Chloromethane	ND		0.0138	1	07/20/2022 05:46	WG1897756
2-Chlorotoluene	ND		0.00276	1	07/20/2022 05:46	WG1897756
4-Chlorotoluene	ND		0.00552	1	07/20/2022 05:46	WG1897756

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0276	1	07/20/2022 05:46	WG1897756
1,2-Dibromoethane	ND		0.00276	1	07/20/2022 05:46	WG1897756
Dibromomethane	ND		0.00552	1	07/20/2022 05:46	WG1897756
1,2-Dichlorobenzene	ND		0.00552	1	07/20/2022 05:46	WG1897756
1,3-Dichlorobenzene	ND		0.00552	1	07/20/2022 05:46	WG1897756
1,4-Dichlorobenzene	ND		0.00552	1	07/20/2022 05:46	WG1897756
Dichlorodifluoromethane	ND		0.00276	1	07/20/2022 05:46	WG1897756
1,1-Dichloroethane	ND		0.00276	1	07/20/2022 05:46	WG1897756
1,2-Dichloroethane	ND		0.00276	1	07/20/2022 05:46	WG1897756
1,1-Dichloroethene	ND		0.00276	1	07/20/2022 05:46	WG1897756
cis-1,2-Dichloroethene	ND		0.00276	1	07/20/2022 05:46	WG1897756
trans-1,2-Dichloroethene	ND		0.00552	1	07/20/2022 05:46	WG1897756
1,2-Dichloropropane	ND		0.00552	1	07/20/2022 05:46	WG1897756
1,1-Dichloropropene	ND		0.00276	1	07/20/2022 05:46	WG1897756
1,3-Dichloropropane	ND		0.00552	1	07/20/2022 05:46	WG1897756
cis-1,3-Dichloropropene	ND		0.00276	1	07/20/2022 05:46	WG1897756
trans-1,3-Dichloropropene	ND		0.00552	1	07/20/2022 05:46	WG1897756
2,2-Dichloropropane	ND		0.00276	1	07/20/2022 05:46	WG1897756
Di-isopropyl ether	ND		0.00110	1	07/20/2022 05:46	WG1897756
Ethylbenzene	ND		0.00276	1	07/20/2022 05:46	WG1897756
Hexachloro-1,3-butadiene	ND		0.0276	1	07/20/2022 05:46	WG1897756
Isopropylbenzene	ND		0.00276	1	07/20/2022 05:46	WG1897756
p-Isopropyltoluene	ND		0.00552	1	07/20/2022 05:46	WG1897756
2-Butanone (MEK)	ND		0.110	1	07/20/2022 05:46	WG1897756
Methylene Chloride	ND		0.0276	1	07/20/2022 05:46	WG1897756
4-Methyl-2-pentanone (MIBK)	ND		0.0276	1	07/20/2022 05:46	WG1897756
Methyl tert-butyl ether	ND		0.00110	1	07/20/2022 05:46	WG1897756
Naphthalene	ND		0.0138	1	07/20/2022 05:46	WG1897756
n-Propylbenzene	ND		0.00552	1	07/20/2022 05:46	WG1897756
Styrene	ND		0.0138	1	07/20/2022 05:46	WG1897756
1,1,1,2-Tetrachloroethane	ND		0.00276	1	07/20/2022 05:46	WG1897756
1,1,2,2-Tetrachloroethane	ND		0.00276	1	07/20/2022 05:46	WG1897756
1,1,2-Trichlorotrifluoroethane	ND		0.00276	1	07/20/2022 05:46	WG1897756
Tetrachloroethene	ND	J4	0.00276	1	07/20/2022 05:46	WG1897756
Toluene	ND		0.00552	1	07/20/2022 05:46	WG1897756
1,2,3-Trichlorobenzene	ND		0.0138	1	07/20/2022 05:46	WG1897756
1,2,4-Trichlorobenzene	ND		0.0138	1	07/20/2022 05:46	WG1897756
1,1,1-Trichloroethane	ND		0.00276	1	07/20/2022 05:46	WG1897756
1,1,2-Trichloroethane	ND		0.00276	1	07/20/2022 05:46	WG1897756
Trichloroethene	ND		0.00110	1	07/20/2022 05:46	WG1897756
Trichlorofluoromethane	ND		0.00276	1	07/20/2022 05:46	WG1897756
1,2,3-Trichloropropane	ND		0.0138	1	07/20/2022 05:46	WG1897756
1,2,4-Trimethylbenzene	ND		0.00552	1	07/20/2022 05:46	WG1897756
1,2,3-Trimethylbenzene	ND		0.00552	1	07/20/2022 05:46	WG1897756
1,3,5-Trimethylbenzene	ND		0.00552	1	07/20/2022 05:46	WG1897756
Vinyl chloride	ND		0.00276	1	07/20/2022 05:46	WG1897756
Xylenes, Total	ND		0.00717	1	07/20/2022 05:46	WG1897756
(S) Toluene-d8	*117*		*75.0-131*		*07/20/2022 05:46*	WG1897756
(S) 4-Bromofluorobenzene	*91.4*		*67.0-138*		*07/20/2022 05:46*	WG1897756
(S) 1,2-Dichloroethane-d4	*74.9*		*70.0-130*		*07/20/2022 05:46*	WG1897756

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.19	1	07/22/2022 16:49	WG1898868
C22-C32 Hydrocarbons	ND		4.19	1	07/22/2022 16:49	WG1898868
C32-C40 Hydrocarbons	ND		4.19	1	07/22/2022 16:49	WG1898868
(S) o-Terphenyl	*86.9*		*18.0-148*		*07/22/2022 16:49*	WG1898868

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	ND		0.0733	1	07/22/2022 00:14	WG1897572
Dalapon	ND		0.0733	1	07/22/2022 00:14	WG1897572
2,4-DB	ND		0.0733	1	07/22/2022 00:14	WG1897572
Dicamba	ND		0.0733	1	07/22/2022 00:14	WG1897572
Dichloroprop	ND		0.0733	1	07/22/2022 00:14	WG1897572
Dinoseb	ND		0.0733	1	07/22/2022 00:14	WG1897572
MCPA	ND		6.81	1	07/22/2022 00:14	WG1897572
MCPP	ND		6.81	1	07/22/2022 00:14	WG1897572
2,4,5-T	ND		0.0733	1	07/22/2022 00:14	WG1897572
2,4,5-TP (Silvex)	ND		0.0733	1	07/22/2022 00:14	WG1897572
(S) 2,4-Dichlorophenyl Acetic Acid	*74.4*		*22.0-132*		*07/22/2022 00:14*	WG1897572

Pesticides (GC) by Method 8081

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	ND		0.0210	1	07/22/2022 15:35	WG1898832
Alpha BHC	ND		0.0210	1	07/22/2022 15:35	WG1898832
Beta BHC	ND		0.0210	1	07/22/2022 15:35	WG1898832
Delta BHC	ND		0.0210	1	07/22/2022 15:35	WG1898832
Gamma BHC	ND		0.0210	1	07/22/2022 15:35	WG1898832
Chlordane	ND		0.314	1	07/22/2022 15:35	WG1898832
4,4-DDD	ND		0.0210	1	07/22/2022 15:35	WG1898832
4,4-DDE	ND		0.0210	1	07/22/2022 15:35	WG1898832
4,4-DDT	ND		0.0210	1	07/22/2022 15:35	WG1898832
Dieldrin	ND		0.0210	1	07/22/2022 15:35	WG1898832
Endosulfan I	ND		0.0210	1	07/22/2022 15:35	WG1898832
Endosulfan II	ND		0.0210	1	07/22/2022 15:35	WG1898832
Endosulfan sulfate	ND		0.0210	1	07/22/2022 15:35	WG1898832
Endrin	ND		0.0210	1	07/22/2022 15:35	WG1898832
Endrin aldehyde	ND		0.0210	1	07/22/2022 15:35	WG1898832
Endrin ketone	ND		0.0210	1	07/22/2022 15:35	WG1898832
Heptachlor	ND		0.0210	1	07/22/2022 15:35	WG1898832
Heptachlor epoxide	ND		0.0210	1	07/22/2022 15:35	WG1898832
Hexachlorobenzene	ND		0.0210	1	07/22/2022 15:35	WG1898832
Methoxychlor	ND		0.0210	1	07/22/2022 15:35	WG1898832
Toxaphene	ND		0.419	1	07/22/2022 15:35	WG1898832
(S) Decachlorobiphenyl	*95.2*		*10.0-135*		*07/22/2022 15:35*	WG1898832
(S) Tetrachloro-m-xylene	*76.4*		*10.0-139*		*07/22/2022 15:35*	WG1898832

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.0356	1	07/22/2022 15:35	WG1898832
PCB 1221	ND		0.0356	1	07/22/2022 15:35	WG1898832
PCB 1232	ND		0.0356	1	07/22/2022 15:35	WG1898832
PCB 1242	ND		0.0356	1	07/22/2022 15:35	WG1898832
PCB 1248	ND		0.0178	1	07/22/2022 15:35	WG1898832

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1254	ND		0.0178	1	07/22/2022 15:35	WG1898832
PCB 1260	ND		0.0178	1	07/22/2022 15:35	WG1898832
(S) Decachlorobiphenyl	*103*		*10.0-135*		*07/22/2022 15:35*	WG1898832
(S) Tetrachloro-m-xylene	*85.3*		*10.0-139*		*07/22/2022 15:35*	WG1898832

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0349	1	07/21/2022 14:18	WG1898133
Acenaphthylene	ND		0.0349	1	07/21/2022 14:18	WG1898133
Anthracene	ND		0.0349	1	07/21/2022 14:18	WG1898133
Benzidine	ND		1.75	1	07/21/2022 14:18	WG1898133
Benzo(a)anthracene	ND		0.0349	1	07/21/2022 14:18	WG1898133
Benzo(b)fluoranthene	ND		0.0349	1	07/21/2022 14:18	WG1898133
Benzo(k)fluoranthene	ND		0.0349	1	07/21/2022 14:18	WG1898133
Benzo(g,h,i)perylene	ND		0.0349	1	07/21/2022 14:18	WG1898133
Benzo(a)pyrene	ND		0.0349	1	07/21/2022 14:18	WG1898133
Bis(2-chlorethoxy)methane	ND		0.349	1	07/21/2022 14:18	WG1898133
Bis(2-chloroethyl)ether	ND		0.349	1	07/21/2022 14:18	WG1898133
2,2-Oxybis(1-Chloropropane)	ND		0.349	1	07/21/2022 14:18	WG1898133
4-Bromophenyl-phenylether	ND		0.349	1	07/21/2022 14:18	WG1898133
2-Chloronaphthalene	ND		0.0349	1	07/21/2022 14:18	WG1898133
4-Chlorophenyl-phenylether	ND		0.349	1	07/21/2022 14:18	WG1898133
Chrysene	ND		0.0349	1	07/21/2022 14:18	WG1898133
Dibenz(a,h)anthracene	ND		0.0349	1	07/21/2022 14:18	WG1898133
3,3-Dichlorobenzidine	ND		0.349	1	07/21/2022 14:18	WG1898133
2,4-Dinitrotoluene	ND		0.349	1	07/21/2022 14:18	WG1898133
2,6-Dinitrotoluene	ND		0.349	1	07/21/2022 14:18	WG1898133
Fluoranthene	ND		0.0349	1	07/21/2022 14:18	WG1898133
Fluorene	ND		0.0349	1	07/21/2022 14:18	WG1898133
Hexachlorobenzene	ND		0.349	1	07/21/2022 14:18	WG1898133
Hexachloro-1,3-butadiene	ND		0.349	1	07/21/2022 14:18	WG1898133
Hexachlorocyclopentadiene	ND		0.349	1	07/21/2022 14:18	WG1898133
Hexachloroethane	ND		0.349	1	07/21/2022 14:18	WG1898133
Indeno(1,2,3-cd)pyrene	ND		0.0349	1	07/21/2022 14:18	WG1898133
Isophorone	ND		0.349	1	07/21/2022 14:18	WG1898133
Naphthalene	ND		0.0349	1	07/21/2022 14:18	WG1898133
Nitrobenzene	ND		0.349	1	07/21/2022 14:18	WG1898133
n-Nitrosodimethylamine	ND		0.349	1	07/21/2022 14:18	WG1898133
n-Nitrosodiphenylamine	ND		0.349	1	07/21/2022 14:18	WG1898133
n-Nitrosodi-n-propylamine	ND		0.349	1	07/21/2022 14:18	WG1898133
Phenanthrene	ND		0.0349	1	07/21/2022 14:18	WG1898133
Benzylbutyl phthalate	ND		0.349	1	07/21/2022 14:18	WG1898133
Bis(2-ethylhexyl)phthalate	ND		0.349	1	07/21/2022 14:18	WG1898133
Di-n-butyl phthalate	ND		0.349	1	07/21/2022 14:18	WG1898133
Diethyl phthalate	ND		0.349	1	07/21/2022 14:18	WG1898133
Dimethyl phthalate	ND		0.349	1	07/21/2022 14:18	WG1898133
Di-n-octyl phthalate	ND		0.349	1	07/21/2022 14:18	WG1898133
Pyrene	ND		0.0349	1	07/21/2022 14:18	WG1898133
1,2,4-Trichlorobenzene	ND		0.349	1	07/21/2022 14:18	WG1898133
4-Chloro-3-methylphenol	ND		0.349	1	07/21/2022 14:18	WG1898133
2-Chlorophenol	ND		0.349	1	07/21/2022 14:18	WG1898133
2,4-Dichlorophenol	ND		0.349	1	07/21/2022 14:18	WG1898133
2,4-Dimethylphenol	ND		0.349	1	07/21/2022 14:18	WG1898133
4,6-Dinitro-2-methylphenol	ND		0.349	1	07/21/2022 14:18	WG1898133
2,4-Dinitrophenol	ND		0.349	1	07/21/2022 14:18	WG1898133

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	ND		0.349	1	07/21/2022 14:18	WG1898133
4-Nitrophenol	ND		0.349	1	07/21/2022 14:18	WG1898133
Pentachlorophenol	ND		0.349	1	07/21/2022 14:18	WG1898133
Phenol	ND		0.349	1	07/21/2022 14:18	WG1898133
2,4,6-Trichlorophenol	ND		0.349	1	07/21/2022 14:18	WG1898133
(S) 2-Fluorophenol	*61.3*		*12.0-120*		*07/21/2022 14:18*	WG1898133
(S) Phenol-d5	*57.2*		*10.0-120*		*07/21/2022 14:18*	WG1898133
(S) Nitrobenzene-d5	*53.9*		*10.0-122*		*07/21/2022 14:18*	WG1898133
(S) 2-Fluorobiphenyl	*57.8*		*15.0-120*		*07/21/2022 14:18*	WG1898133
(S) 2,4,6-Tribromophenol	*62.3*		*10.0-127*		*07/21/2022 14:18*	WG1898133
(S) p-Terphenyl-d14	*65.7*		*10.0-120*		*07/21/2022 14:18*	WG1898133

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	07/19/2022 10:34	WG1896725

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0459	1	07/22/2022 13:23	WG1898849

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.30	1	07/27/2022 23:25	WG1897777
Arsenic	ND		2.30	1	07/27/2022 23:25	WG1897777
Barium	94.5		0.574	1	07/27/2022 23:25	WG1897777
Beryllium	0.259		0.230	1	07/27/2022 23:25	WG1897777
Cadmium	ND		0.574	1	07/27/2022 23:25	WG1897777
Chromium	12.1		1.15	1	07/27/2022 23:25	WG1897777
Cobalt	5.80		1.15	1	07/28/2022 12:12	WG1897777
Copper	10.4		2.30	1	07/27/2022 23:25	WG1897777
Lead	4.08		0.574	1	07/27/2022 23:25	WG1897777
Molybdenum	ND		0.574	1	07/27/2022 23:25	WG1897777
Nickel	6.54		2.30	1	07/27/2022 23:25	WG1897777
Selenium	ND		2.30	1	07/27/2022 23:25	WG1897777
Silver	ND		1.15	1	07/27/2022 23:25	WG1897777
Thallium	ND		2.30	1	07/27/2022 23:25	WG1897777
Vanadium	30.0		2.30	1	07/27/2022 23:25	WG1897777
Zinc	33.5		5.74	1	07/27/2022 23:25	WG1897777

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		3.24	25	07/18/2022 10:10	WG1896567
(S) a,a,a-Trifluorotoluene(FID)	*95.7*		*77.0-120*		*07/18/2022 10:10*	WG1896567

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0653	1	07/20/2022 06:06	WG1897756
Acrylonitrile	ND		0.0163	1	07/20/2022 06:06	WG1897756
Benzene	ND		0.00131	1	07/20/2022 06:06	WG1897756
Bromobenzene	ND		0.0163	1	07/20/2022 06:06	WG1897756
Bromodichloromethane	ND		0.00326	1	07/20/2022 06:06	WG1897756
Bromoform	ND		0.0326	1	07/20/2022 06:06	WG1897756
Bromomethane	ND		0.0163	1	07/20/2022 06:06	WG1897756
n-Butylbenzene	ND		0.0163	1	07/20/2022 06:06	WG1897756
sec-Butylbenzene	ND		0.0163	1	07/20/2022 06:06	WG1897756
tert-Butylbenzene	ND		0.00653	1	07/20/2022 06:06	WG1897756
Carbon tetrachloride	ND		0.00653	1	07/20/2022 06:06	WG1897756
Chlorobenzene	ND		0.00326	1	07/20/2022 06:06	WG1897756
Chlorodibromomethane	ND		0.00326	1	07/20/2022 06:06	WG1897756
Chloroethane	ND		0.00653	1	07/20/2022 06:06	WG1897756
Chloroform	ND		0.00326	1	07/20/2022 06:06	WG1897756
Chloromethane	ND		0.0163	1	07/20/2022 06:06	WG1897756
2-Chlorotoluene	ND		0.00326	1	07/20/2022 06:06	WG1897756
4-Chlorotoluene	ND		0.00653	1	07/20/2022 06:06	WG1897756

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0326	1	07/20/2022 06:06	WG1897756
1,2-Dibromoethane	ND		0.00326	1	07/20/2022 06:06	WG1897756
Dibromomethane	ND		0.00653	1	07/20/2022 06:06	WG1897756
1,2-Dichlorobenzene	ND		0.00653	1	07/20/2022 06:06	WG1897756
1,3-Dichlorobenzene	ND		0.00653	1	07/20/2022 06:06	WG1897756
1,4-Dichlorobenzene	ND		0.00653	1	07/20/2022 06:06	WG1897756
Dichlorodifluoromethane	ND		0.00326	1	07/20/2022 06:06	WG1897756
1,1-Dichloroethane	ND		0.00326	1	07/20/2022 06:06	WG1897756
1,2-Dichloroethane	ND		0.00326	1	07/20/2022 06:06	WG1897756
1,1-Dichloroethene	ND		0.00326	1	07/20/2022 06:06	WG1897756
cis-1,2-Dichloroethene	ND		0.00326	1	07/20/2022 06:06	WG1897756
trans-1,2-Dichloroethene	ND		0.00653	1	07/20/2022 06:06	WG1897756
1,2-Dichloropropane	ND		0.00653	1	07/20/2022 06:06	WG1897756
1,1-Dichloropropene	ND		0.00326	1	07/20/2022 06:06	WG1897756
1,3-Dichloropropane	ND		0.00653	1	07/20/2022 06:06	WG1897756
cis-1,3-Dichloropropene	ND		0.00326	1	07/20/2022 06:06	WG1897756
trans-1,3-Dichloropropene	ND		0.00653	1	07/20/2022 06:06	WG1897756
2,2-Dichloropropane	ND		0.00326	1	07/20/2022 06:06	WG1897756
Di-isopropyl ether	ND		0.00131	1	07/20/2022 06:06	WG1897756
Ethylbenzene	ND		0.00326	1	07/20/2022 06:06	WG1897756
Hexachloro-1,3-butadiene	ND		0.0326	1	07/20/2022 06:06	WG1897756
Isopropylbenzene	ND		0.00326	1	07/20/2022 06:06	WG1897756
p-Isopropyltoluene	ND		0.00653	1	07/20/2022 06:06	WG1897756
2-Butanone (MEK)	ND		0.131	1	07/20/2022 06:06	WG1897756
Methylene Chloride	ND		0.0326	1	07/20/2022 06:06	WG1897756
4-Methyl-2-pentanone (MIBK)	ND		0.0326	1	07/20/2022 06:06	WG1897756
Methyl tert-butyl ether	ND		0.00131	1	07/20/2022 06:06	WG1897756
Naphthalene	ND		0.0163	1	07/20/2022 06:06	WG1897756
n-Propylbenzene	ND		0.00653	1	07/20/2022 06:06	WG1897756
Styrene	ND		0.0163	1	07/20/2022 06:06	WG1897756
1,1,1,2-Tetrachloroethane	ND		0.00326	1	07/20/2022 06:06	WG1897756
1,1,2,2-Tetrachloroethane	ND		0.00326	1	07/20/2022 06:06	WG1897756
1,1,2-Trichlorotrifluoroethane	ND		0.00326	1	07/20/2022 06:06	WG1897756
Tetrachloroethene	ND	J4	0.00326	1	07/20/2022 06:06	WG1897756
Toluene	ND		0.00653	1	07/20/2022 06:06	WG1897756
1,2,3-Trichlorobenzene	ND		0.0163	1	07/20/2022 06:06	WG1897756
1,2,4-Trichlorobenzene	ND		0.0163	1	07/20/2022 06:06	WG1897756
1,1,1-Trichloroethane	ND		0.00326	1	07/20/2022 06:06	WG1897756
1,1,2-Trichloroethane	ND		0.00326	1	07/20/2022 06:06	WG1897756
Trichloroethene	ND		0.00131	1	07/20/2022 06:06	WG1897756
Trichlorofluoromethane	ND		0.00326	1	07/20/2022 06:06	WG1897756
1,2,3-Trichloropropane	ND		0.0163	1	07/20/2022 06:06	WG1897756
1,2,4-Trimethylbenzene	ND		0.00653	1	07/20/2022 06:06	WG1897756
1,2,3-Trimethylbenzene	ND		0.00653	1	07/20/2022 06:06	WG1897756
1,3,5-Trimethylbenzene	ND		0.00653	1	07/20/2022 06:06	WG1897756
Vinyl chloride	ND		0.00326	1	07/20/2022 06:06	WG1897756
Xylenes, Total	ND		0.00849	1	07/20/2022 06:06	WG1897756
(S) Toluene-d8	*115*		*75.0-131*		*07/20/2022 06:06*	WG1897756
(S) 4-Bromofluorobenzene	*93.6*		*67.0-138*		*07/20/2022 06:06*	WG1897756
(S) 1,2-Dichloroethane-d4	*78.0*		*70.0-130*		*07/20/2022 06:06*	WG1897756

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.59	1	07/22/2022 16:23	WG1898868
C22-C32 Hydrocarbons	ND		4.59	1	07/22/2022 16:23	WG1898868
C32-C40 Hydrocarbons	ND		4.59	1	07/22/2022 16:23	WG1898868
(S) o-Terphenyl	*72.0*		*18.0-148*		*07/22/2022 16:23*	WG1898868

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	ND		0.0803	1	07/22/2022 00:29	WG1897572
Dalapon	ND		0.0803	1	07/22/2022 00:29	WG1897572
2,4-DB	ND		0.0803	1	07/22/2022 00:29	WG1897572
Dicamba	ND		0.0803	1	07/22/2022 00:29	WG1897572
Dichloroprop	ND		0.0803	1	07/22/2022 00:29	WG1897572
Dinoseb	ND		0.0803	1	07/22/2022 00:29	WG1897572
MCPA	ND		7.46	1	07/22/2022 00:29	WG1897572
MCPP	ND		7.46	1	07/22/2022 00:29	WG1897572
2,4,5-T	ND		0.0803	1	07/22/2022 00:29	WG1897572
2,4,5-TP (Silvex)	ND		0.0803	1	07/22/2022 00:29	WG1897572
(S) 2,4-Dichlorophenyl Acetic Acid	*75.9*		*22.0-132*		*07/22/2022 00:29*	WG1897572

Pesticides (GC) by Method 8081

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	ND		0.0230	1	07/22/2022 15:44	WG1898832
Alpha BHC	ND		0.0230	1	07/22/2022 15:44	WG1898832
Beta BHC	ND		0.0230	1	07/22/2022 15:44	WG1898832
Delta BHC	ND		0.0230	1	07/22/2022 15:44	WG1898832
Gamma BHC	ND		0.0230	1	07/22/2022 15:44	WG1898832
Chlordane	ND		0.344	1	07/22/2022 15:44	WG1898832
4,4-DDD	ND		0.0230	1	07/22/2022 15:44	WG1898832
4,4-DDE	ND		0.0230	1	07/22/2022 15:44	WG1898832
4,4-DDT	ND		0.0230	1	07/22/2022 15:44	WG1898832
Dieldrin	ND		0.0230	1	07/22/2022 15:44	WG1898832
Endosulfan I	ND		0.0230	1	07/22/2022 15:44	WG1898832
Endosulfan II	ND		0.0230	1	07/22/2022 15:44	WG1898832
Endosulfan sulfate	ND		0.0230	1	07/22/2022 15:44	WG1898832
Endrin	ND		0.0230	1	07/22/2022 15:44	WG1898832
Endrin aldehyde	ND		0.0230	1	07/22/2022 15:44	WG1898832
Endrin ketone	ND		0.0230	1	07/22/2022 15:44	WG1898832
Heptachlor	ND		0.0230	1	07/22/2022 15:44	WG1898832
Heptachlor epoxide	ND		0.0230	1	07/22/2022 15:44	WG1898832
Hexachlorobenzene	ND		0.0230	1	07/22/2022 15:44	WG1898832
Methoxychlor	ND		0.0230	1	07/22/2022 15:44	WG1898832
Toxaphene	ND		0.459	1	07/22/2022 15:44	WG1898832
(S) Decachlorobiphenyl	*76.0*		*10.0-135*		*07/22/2022 15:44*	WG1898832
(S) Tetrachloro-m-xylene	*69.2*		*10.0-139*		*07/22/2022 15:44*	WG1898832

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.0390	1	07/22/2022 15:44	WG1898832
PCB 1221	ND		0.0390	1	07/22/2022 15:44	WG1898832
PCB 1232	ND		0.0390	1	07/22/2022 15:44	WG1898832
PCB 1242	ND		0.0390	1	07/22/2022 15:44	WG1898832
PCB 1248	ND		0.0195	1	07/22/2022 15:44	WG1898832

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1254	ND		0.0195	1	07/22/2022 15:44	WG1898832
PCB 1260	ND		0.0195	1	07/22/2022 15:44	WG1898832
(S) Decachlorobiphenyl	*83.6*		*10.0-135*		*07/22/2022 15:44*	WG1898832
(S) Tetrachloro-m-xylene	*76.9*		*10.0-139*		*07/22/2022 15:44*	WG1898832

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0382	1	07/21/2022 10:46	WG1898133
Acenaphthylene	ND		0.0382	1	07/21/2022 10:46	WG1898133
Anthracene	ND		0.0382	1	07/21/2022 10:46	WG1898133
Benzidine	ND		1.92	1	07/21/2022 10:46	WG1898133
Benzo(a)anthracene	ND		0.0382	1	07/21/2022 10:46	WG1898133
Benzo(b)fluoranthene	ND		0.0382	1	07/21/2022 10:46	WG1898133
Benzo(k)fluoranthene	ND		0.0382	1	07/21/2022 10:46	WG1898133
Benzo(g,h,i)perylene	ND		0.0382	1	07/21/2022 10:46	WG1898133
Benzo(a)pyrene	ND		0.0382	1	07/21/2022 10:46	WG1898133
Bis(2-chlorethoxy)methane	ND		0.382	1	07/21/2022 10:46	WG1898133
Bis(2-chloroethyl)ether	ND		0.382	1	07/21/2022 10:46	WG1898133
2,2-Oxybis(1-Chloropropane)	ND		0.382	1	07/21/2022 10:46	WG1898133
4-Bromophenyl-phenylether	ND		0.382	1	07/21/2022 10:46	WG1898133
2-Chloronaphthalene	ND		0.0382	1	07/21/2022 10:46	WG1898133
4-Chlorophenyl-phenylether	ND		0.382	1	07/21/2022 10:46	WG1898133
Chrysene	ND		0.0382	1	07/21/2022 10:46	WG1898133
Dibenz(a,h)anthracene	ND		0.0382	1	07/21/2022 10:46	WG1898133
3,3-Dichlorobenzidine	ND		0.382	1	07/21/2022 10:46	WG1898133
2,4-Dinitrotoluene	ND		0.382	1	07/21/2022 10:46	WG1898133
2,6-Dinitrotoluene	ND		0.382	1	07/21/2022 10:46	WG1898133
Fluoranthene	ND		0.0382	1	07/21/2022 10:46	WG1898133
Fluorene	ND		0.0382	1	07/21/2022 10:46	WG1898133
Hexachlorobenzene	ND		0.382	1	07/21/2022 10:46	WG1898133
Hexachloro-1,3-butadiene	ND		0.382	1	07/21/2022 10:46	WG1898133
Hexachlorocyclopentadiene	ND		0.382	1	07/21/2022 10:46	WG1898133
Hexachloroethane	ND		0.382	1	07/21/2022 10:46	WG1898133
Indeno(1,2,3-cd)pyrene	ND		0.0382	1	07/21/2022 10:46	WG1898133
Isophorone	ND		0.382	1	07/21/2022 10:46	WG1898133
Naphthalene	ND		0.0382	1	07/21/2022 10:46	WG1898133
Nitrobenzene	ND		0.382	1	07/21/2022 10:46	WG1898133
n-Nitrosodimethylamine	ND		0.382	1	07/21/2022 10:46	WG1898133
n-Nitrosodiphenylamine	ND		0.382	1	07/21/2022 10:46	WG1898133
n-Nitrosodi-n-propylamine	ND		0.382	1	07/21/2022 10:46	WG1898133
Phenanthrene	ND		0.0382	1	07/21/2022 10:46	WG1898133
Benzylbutyl phthalate	ND		0.382	1	07/21/2022 10:46	WG1898133
Bis(2-ethylhexyl)phthalate	ND		0.382	1	07/21/2022 10:46	WG1898133
Di-n-butyl phthalate	ND		0.382	1	07/21/2022 10:46	WG1898133
Diethyl phthalate	ND		0.382	1	07/21/2022 10:46	WG1898133
Dimethyl phthalate	ND		0.382	1	07/21/2022 10:46	WG1898133
Di-n-octyl phthalate	ND		0.382	1	07/21/2022 10:46	WG1898133
Pyrene	ND		0.0382	1	07/21/2022 10:46	WG1898133
1,2,4-Trichlorobenzene	ND		0.382	1	07/21/2022 10:46	WG1898133
4-Chloro-3-methylphenol	ND		0.382	1	07/21/2022 10:46	WG1898133
2-Chlorophenol	ND		0.382	1	07/21/2022 10:46	WG1898133
2,4-Dichlorophenol	ND		0.382	1	07/21/2022 10:46	WG1898133
2,4-Dimethylphenol	ND		0.382	1	07/21/2022 10:46	WG1898133
4,6-Dinitro-2-methylphenol	ND		0.382	1	07/21/2022 10:46	WG1898133
2,4-Dinitrophenol	ND		0.382	1	07/21/2022 10:46	WG1898133

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	ND		0.382	1	07/21/2022 10:46	WG1898133
4-Nitrophenol	ND		0.382	1	07/21/2022 10:46	WG1898133
Pentachlorophenol	ND		0.382	1	07/21/2022 10:46	WG1898133
Phenol	ND		0.382	1	07/21/2022 10:46	WG1898133
2,4,6-Trichlorophenol	ND		0.382	1	07/21/2022 10:46	WG1898133
(S) 2-Fluorophenol	*69.9*		*12.0-120*		*07/21/2022 10:46*	WG1898133
(S) Phenol-d5	*64.2*		*10.0-120*		*07/21/2022 10:46*	WG1898133
(S) Nitrobenzene-d5	*60.9*		*10.0-122*		*07/21/2022 10:46*	WG1898133
(S) 2-Fluorobiphenyl	*64.5*		*15.0-120*		*07/21/2022 10:46*	WG1898133
(S) 2,4,6-Tribromophenol	*70.6*		*10.0-127*		*07/21/2022 10:46*	WG1898133
(S) p-Terphenyl-d14	*71.9*		*10.0-120*		*07/21/2022 10:46*	WG1898133

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.2		1	07/19/2022 10:34	WG1896725

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0416	1	07/22/2022 13:30	WG1898849

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Antimony	ND		2.08	1	07/25/2022 19:47	WG1897063
Arsenic	ND		2.08	1	07/25/2022 19:47	WG1897063
Barium	195		0.520	1	07/25/2022 19:47	WG1897063
Beryllium	0.511		0.208	1	07/25/2022 19:47	WG1897063
Cadmium	ND		0.520	1	07/25/2022 19:47	WG1897063
Chromium	22.1		1.04	1	07/25/2022 19:47	WG1897063
Cobalt	ND		5.20	5	07/26/2022 03:28	WG1897063
Copper	18.1		2.08	1	07/25/2022 19:47	WG1897063
Lead	3.87		0.520	1	07/25/2022 19:47	WG1897063
Molybdenum	ND		0.520	1	07/25/2022 19:47	WG1897063
Nickel	12.0		2.08	1	07/25/2022 19:47	WG1897063
Selenium	ND		2.08	1	07/25/2022 19:47	WG1897063
Silver	ND		1.04	1	07/25/2022 19:47	WG1897063
Thallium	ND		2.08	1	07/25/2022 19:47	WG1897063
Vanadium	59.9		2.08	1	07/25/2022 19:47	WG1897063
Zinc	54.3		5.20	1	07/25/2022 19:47	WG1897063

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPHG C5 - C12	ND		2.70	25	07/18/2022 10:31	WG1896567
(S) a,a,a-Trifluorotoluene(FID)	*96.1*		*77.0-120*		*07/18/2022 10:31*	WG1896567

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0542	1	07/20/2022 06:25	WG1897756
Acrylonitrile	ND		0.0135	1	07/20/2022 06:25	WG1897756
Benzene	ND		0.00108	1	07/20/2022 06:25	WG1897756
Bromobenzene	ND		0.0135	1	07/20/2022 06:25	WG1897756
Bromodichloromethane	ND		0.00271	1	07/20/2022 06:25	WG1897756
Bromoform	ND		0.0271	1	07/20/2022 06:25	WG1897756
Bromomethane	ND		0.0135	1	07/20/2022 06:25	WG1897756
n-Butylbenzene	ND		0.0135	1	07/20/2022 06:25	WG1897756
sec-Butylbenzene	ND		0.0135	1	07/20/2022 06:25	WG1897756
tert-Butylbenzene	ND		0.00542	1	07/20/2022 06:25	WG1897756
Carbon tetrachloride	ND		0.00542	1	07/20/2022 06:25	WG1897756
Chlorobenzene	ND		0.00271	1	07/20/2022 06:25	WG1897756
Chlorodibromomethane	ND		0.00271	1	07/20/2022 06:25	WG1897756
Chloroethane	ND		0.00542	1	07/20/2022 06:25	WG1897756
Chloroform	ND		0.00271	1	07/20/2022 06:25	WG1897756
Chloromethane	ND		0.0135	1	07/20/2022 06:25	WG1897756
2-Chlorotoluene	ND		0.00271	1	07/20/2022 06:25	WG1897756
4-Chlorotoluene	ND		0.00542	1	07/20/2022 06:25	WG1897756

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		0.0271	1	07/20/2022 06:25	WG1897756
1,2-Dibromoethane	ND		0.00271	1	07/20/2022 06:25	WG1897756
Dibromomethane	ND		0.00542	1	07/20/2022 06:25	WG1897756
1,2-Dichlorobenzene	ND		0.00542	1	07/20/2022 06:25	WG1897756
1,3-Dichlorobenzene	ND		0.00542	1	07/20/2022 06:25	WG1897756
1,4-Dichlorobenzene	ND		0.00542	1	07/20/2022 06:25	WG1897756
Dichlorodifluoromethane	ND		0.00271	1	07/20/2022 06:25	WG1897756
1,1-Dichloroethane	ND		0.00271	1	07/20/2022 06:25	WG1897756
1,2-Dichloroethane	ND		0.00271	1	07/20/2022 06:25	WG1897756
1,1-Dichloroethene	ND		0.00271	1	07/20/2022 06:25	WG1897756
cis-1,2-Dichloroethene	ND		0.00271	1	07/20/2022 06:25	WG1897756
trans-1,2-Dichloroethene	ND		0.00542	1	07/20/2022 06:25	WG1897756
1,2-Dichloropropane	ND		0.00542	1	07/20/2022 06:25	WG1897756
1,1-Dichloropropene	ND		0.00271	1	07/20/2022 06:25	WG1897756
1,3-Dichloropropane	ND		0.00542	1	07/20/2022 06:25	WG1897756
cis-1,3-Dichloropropene	ND		0.00271	1	07/20/2022 06:25	WG1897756
trans-1,3-Dichloropropene	ND		0.00542	1	07/20/2022 06:25	WG1897756
2,2-Dichloropropane	ND		0.00271	1	07/20/2022 06:25	WG1897756
Di-isopropyl ether	ND		0.00108	1	07/20/2022 06:25	WG1897756
Ethylbenzene	ND		0.00271	1	07/20/2022 06:25	WG1897756
Hexachloro-1,3-butadiene	ND		0.0271	1	07/20/2022 06:25	WG1897756
Isopropylbenzene	ND		0.00271	1	07/20/2022 06:25	WG1897756
p-Isopropyltoluene	ND		0.00542	1	07/20/2022 06:25	WG1897756
2-Butanone (MEK)	ND		0.108	1	07/20/2022 06:25	WG1897756
Methylene Chloride	ND		0.0271	1	07/20/2022 06:25	WG1897756
4-Methyl-2-pentanone (MIBK)	ND		0.0271	1	07/20/2022 06:25	WG1897756
Methyl tert-butyl ether	ND		0.00108	1	07/20/2022 06:25	WG1897756
Naphthalene	ND		0.0135	1	07/20/2022 06:25	WG1897756
n-Propylbenzene	ND		0.00542	1	07/20/2022 06:25	WG1897756
Styrene	ND		0.0135	1	07/20/2022 06:25	WG1897756
1,1,1,2-Tetrachloroethane	ND		0.00271	1	07/20/2022 06:25	WG1897756
1,1,2,2-Tetrachloroethane	ND		0.00271	1	07/20/2022 06:25	WG1897756
1,1,2-Trichlorotrifluoroethane	ND		0.00271	1	07/20/2022 06:25	WG1897756
Tetrachloroethene	ND	J4	0.00271	1	07/20/2022 06:25	WG1897756
Toluene	ND		0.00542	1	07/20/2022 06:25	WG1897756
1,2,3-Trichlorobenzene	ND		0.0135	1	07/20/2022 06:25	WG1897756
1,2,4-Trichlorobenzene	ND		0.0135	1	07/20/2022 06:25	WG1897756
1,1,1-Trichloroethane	ND		0.00271	1	07/20/2022 06:25	WG1897756
1,1,2-Trichloroethane	ND		0.00271	1	07/20/2022 06:25	WG1897756
Trichloroethene	ND		0.00108	1	07/20/2022 06:25	WG1897756
Trichlorofluoromethane	ND		0.00271	1	07/20/2022 06:25	WG1897756
1,2,3-Trichloropropane	ND		0.0135	1	07/20/2022 06:25	WG1897756
1,2,4-Trimethylbenzene	ND		0.00542	1	07/20/2022 06:25	WG1897756
1,2,3-Trimethylbenzene	ND		0.00542	1	07/20/2022 06:25	WG1897756
1,3,5-Trimethylbenzene	ND		0.00542	1	07/20/2022 06:25	WG1897756
Vinyl chloride	ND		0.00271	1	07/20/2022 06:25	WG1897756
Xylenes, Total	ND		0.00704	1	07/20/2022 06:25	WG1897756
(S) Toluene-d8	*111*		*75.0-131*		*07/20/2022 06:25*	WG1897756
(S) 4-Bromofluorobenzene	*92.4*		*67.0-138*		*07/20/2022 06:25*	WG1897756
(S) 1,2-Dichloroethane-d4	*77.6*		*70.0-130*		*07/20/2022 06:25*	WG1897756

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	ND		4.16	1	07/22/2022 17:28	WG1898868
C22-C32 Hydrocarbons	ND		4.16	1	07/22/2022 17:28	WG1898868
C32-C40 Hydrocarbons	ND		4.16	1	07/22/2022 17:28	WG1898868
(S) o-Terphenyl	*76.8*		*18.0-148*		*07/22/2022 17:28*	WG1898868

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	ND		0.0728	1	07/22/2022 00:44	WG1897572
Dalapon	ND		0.0728	1	07/22/2022 00:44	WG1897572
2,4-DB	ND		0.0728	1	07/22/2022 00:44	WG1897572
Dicamba	ND		0.0728	1	07/22/2022 00:44	WG1897572
Dichloroprop	ND		0.0728	1	07/22/2022 00:44	WG1897572
Dinoseb	ND		0.0728	1	07/22/2022 00:44	WG1897572
MCPA	ND		6.76	1	07/22/2022 00:44	WG1897572
MCPP	ND		6.76	1	07/22/2022 00:44	WG1897572
2,4,5-T	ND		0.0728	1	07/22/2022 00:44	WG1897572
2,4,5-TP (Silvex)	ND		0.0728	1	07/22/2022 00:44	WG1897572
(S) 2,4-Dichlorophenyl Acetic Acid	*74.7*		*22.0-132*		*07/22/2022 00:44*	WG1897572

Pesticides (GC) by Method 8081

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	ND		0.0208	1	07/22/2022 15:54	WG1898832
Alpha BHC	ND		0.0208	1	07/22/2022 15:54	WG1898832
Beta BHC	ND		0.0208	1	07/22/2022 15:54	WG1898832
Delta BHC	ND		0.0208	1	07/22/2022 15:54	WG1898832
Gamma BHC	ND		0.0208	1	07/22/2022 15:54	WG1898832
Chlordane	ND		0.312	1	07/22/2022 15:54	WG1898832
4,4-DDD	ND		0.0208	1	07/22/2022 15:54	WG1898832
4,4-DDE	ND		0.0208	1	07/22/2022 15:54	WG1898832
4,4-DDT	ND		0.0208	1	07/22/2022 15:54	WG1898832
Dieldrin	ND		0.0208	1	07/22/2022 15:54	WG1898832
Endosulfan I	ND		0.0208	1	07/22/2022 15:54	WG1898832
Endosulfan II	ND		0.0208	1	07/22/2022 15:54	WG1898832
Endosulfan sulfate	ND		0.0208	1	07/22/2022 15:54	WG1898832
Endrin	ND		0.0208	1	07/22/2022 15:54	WG1898832
Endrin aldehyde	ND		0.0208	1	07/22/2022 15:54	WG1898832
Endrin ketone	ND		0.0208	1	07/22/2022 15:54	WG1898832
Heptachlor	ND		0.0208	1	07/22/2022 15:54	WG1898832
Heptachlor epoxide	ND		0.0208	1	07/22/2022 15:54	WG1898832
Hexachlorobenzene	ND		0.0208	1	07/22/2022 15:54	WG1898832
Methoxychlor	ND		0.0208	1	07/22/2022 15:54	WG1898832
Toxaphene	ND		0.416	1	07/22/2022 15:54	WG1898832
(S) Decachlorobiphenyl	*102*		*10.0-135*		*07/22/2022 15:54*	WG1898832
(S) Tetrachloro-m-xylene	*83.3*		*10.0-139*		*07/22/2022 15:54*	WG1898832

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.0353	1	07/22/2022 15:54	WG1898832
PCB 1221	ND		0.0353	1	07/22/2022 15:54	WG1898832
PCB 1232	ND		0.0353	1	07/22/2022 15:54	WG1898832
PCB 1242	ND		0.0353	1	07/22/2022 15:54	WG1898832
PCB 1248	ND		0.0177	1	07/22/2022 15:54	WG1898832

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1254	ND		0.0177	1	07/22/2022 15:54	WG1898832
PCB 1260	ND		0.0177	1	07/22/2022 15:54	WG1898832
(S) Decachlorobiphenyl	*114*		*10.0-135*		*07/22/2022 15:54*	WG1898832
(S) Tetrachloro-m-xylene	*92.0*		*10.0-139*		*07/22/2022 15:54*	WG1898832

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0346	1	07/21/2022 13:57	WG1898133
Acenaphthylene	ND		0.0346	1	07/21/2022 13:57	WG1898133
Anthracene	ND		0.0346	1	07/21/2022 13:57	WG1898133
Benzidine	ND		1.74	1	07/21/2022 13:57	WG1898133
Benzo(a)anthracene	ND		0.0346	1	07/21/2022 13:57	WG1898133
Benzo(b)fluoranthene	ND		0.0346	1	07/21/2022 13:57	WG1898133
Benzo(k)fluoranthene	ND		0.0346	1	07/21/2022 13:57	WG1898133
Benzo(g,h,i)perylene	ND		0.0346	1	07/21/2022 13:57	WG1898133
Benzo(a)pyrene	ND		0.0346	1	07/21/2022 13:57	WG1898133
Bis(2-chlorethoxy)methane	ND		0.346	1	07/21/2022 13:57	WG1898133
Bis(2-chloroethyl)ether	ND		0.346	1	07/21/2022 13:57	WG1898133
2,2-Oxybis(1-Chloropropane)	ND		0.346	1	07/21/2022 13:57	WG1898133
4-Bromophenyl-phenylether	ND		0.346	1	07/21/2022 13:57	WG1898133
2-Chloronaphthalene	ND		0.0346	1	07/21/2022 13:57	WG1898133
4-Chlorophenyl-phenylether	ND		0.346	1	07/21/2022 13:57	WG1898133
Chrysene	ND		0.0346	1	07/21/2022 13:57	WG1898133
Dibenz(a,h)anthracene	ND		0.0346	1	07/21/2022 13:57	WG1898133
3,3-Dichlorobenzidine	ND		0.346	1	07/21/2022 13:57	WG1898133
2,4-Dinitrotoluene	ND		0.346	1	07/21/2022 13:57	WG1898133
2,6-Dinitrotoluene	ND		0.346	1	07/21/2022 13:57	WG1898133
Fluoranthene	ND		0.0346	1	07/21/2022 13:57	WG1898133
Fluorene	ND		0.0346	1	07/21/2022 13:57	WG1898133
Hexachlorobenzene	ND		0.346	1	07/21/2022 13:57	WG1898133
Hexachloro-1,3-butadiene	ND		0.346	1	07/21/2022 13:57	WG1898133
Hexachlorocyclopentadiene	ND		0.346	1	07/21/2022 13:57	WG1898133
Hexachloroethane	ND		0.346	1	07/21/2022 13:57	WG1898133
Indeno(1,2,3-cd)pyrene	ND		0.0346	1	07/21/2022 13:57	WG1898133
Isophorone	ND		0.346	1	07/21/2022 13:57	WG1898133
Naphthalene	ND		0.0346	1	07/21/2022 13:57	WG1898133
Nitrobenzene	ND		0.346	1	07/21/2022 13:57	WG1898133
n-Nitrosodimethylamine	ND		0.346	1	07/21/2022 13:57	WG1898133
n-Nitrosodiphenylamine	ND		0.346	1	07/21/2022 13:57	WG1898133
n-Nitrosodi-n-propylamine	ND		0.346	1	07/21/2022 13:57	WG1898133
Phenanthrene	ND		0.0346	1	07/21/2022 13:57	WG1898133
Benzylbutyl phthalate	ND		0.346	1	07/21/2022 13:57	WG1898133
Bis(2-ethylhexyl)phthalate	ND		0.346	1	07/21/2022 13:57	WG1898133
Di-n-butyl phthalate	ND		0.346	1	07/21/2022 13:57	WG1898133
Diethyl phthalate	ND		0.346	1	07/21/2022 13:57	WG1898133
Dimethyl phthalate	ND		0.346	1	07/21/2022 13:57	WG1898133
Di-n-octyl phthalate	ND		0.346	1	07/21/2022 13:57	WG1898133
Pyrene	ND		0.0346	1	07/21/2022 13:57	WG1898133
1,2,4-Trichlorobenzene	ND		0.346	1	07/21/2022 13:57	WG1898133
4-Chloro-3-methylphenol	ND		0.346	1	07/21/2022 13:57	WG1898133
2-Chlorophenol	ND		0.346	1	07/21/2022 13:57	WG1898133
2,4-Dichlorophenol	ND		0.346	1	07/21/2022 13:57	WG1898133
2,4-Dimethylphenol	ND		0.346	1	07/21/2022 13:57	WG1898133
4,6-Dinitro-2-methylphenol	ND		0.346	1	07/21/2022 13:57	WG1898133
2,4-Dinitrophenol	ND		0.346	1	07/21/2022 13:57	WG1898133

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	ND		0.346	1	07/21/2022 13:57	WG1898133
4-Nitrophenol	ND		0.346	1	07/21/2022 13:57	WG1898133
Pentachlorophenol	ND		0.346	1	07/21/2022 13:57	WG1898133
Phenol	ND		0.346	1	07/21/2022 13:57	WG1898133
2,4,6-Trichlorophenol	ND		0.346	1	07/21/2022 13:57	WG1898133
(S) 2-Fluorophenol	*70.6*		*12.0-120*		*07/21/2022 13:57*	WG1898133
(S) Phenol-d5	*66.3*		*10.0-120*		*07/21/2022 13:57*	WG1898133
(S) Nitrobenzene-d5	*61.6*		*10.0-122*		*07/21/2022 13:57*	WG1898133
(S) 2-Fluorobiphenyl	*64.0*		*15.0-120*		*07/21/2022 13:57*	WG1898133
(S) 2,4,6-Tribromophenol	*70.7*		*10.0-127*		*07/21/2022 13:57*	WG1898133
(S) p-Terphenyl-d14	*73.5*		*10.0-120*		*07/21/2022 13:57*	WG1898133

Method Blank (MB)

(MB) R3816977-1 07/19/22 10:53

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

L1515664-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1515664-18 07/19/22 10:53 • (DUP) R3816977-3 07/19/22 10:53

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.3	90.1	1	1.28		10

Laboratory Control Sample (LCS)

(LCS) R3816977-2 07/19/22 10:53

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3816970-1 07/19/22 10:34

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

L1515683-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1515683-01 07/19/22 10:34 • (DUP) R3816970-3 07/19/22 10:34

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.3	85.1	1	1.34		10

Laboratory Control Sample (LCS)

(LCS) R3816970-2 07/19/22 10:34

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

QUALITY CONTROL SUMMARY

L1515679-01

Method Blank (MB)

(MB) R3818593-1 07/24/22 11:58

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) R3818593-2 07/24/22 12:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.496	99.2	80.0-120	

L1515402-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1515402-01 07/24/22 12:08 • (MS) R3818593-3 07/24/22 12:10 • (MSD) R3818593-4 07/24/22 12:13

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.610	ND	0.605	0.650	99.1	106	1	75.0-125			7.19	20

Method Blank (MB)

(MB) R3818180-1 07/22/22 13:02

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) R3818180-2 07/22/22 13:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.514	103	80.0-120	

L1514875-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1514875-08 07/22/22 13:07 • (MS) R3818180-3 07/22/22 13:10 • (MSD) R3818180-4 07/22/22 13:13

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 %
Mercury	0.500	0.145	0.538	0.610	78.6	93.1	1	75.0-125			12.6	20

Method Blank (MB)

(MB) R3819011-1 07/25/22 18:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R3819011-2 07/25/22 18:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	95.9	95.9	80.0-120	
Arsenic	100	95.2	95.2	80.0-120	
Barium	100	101	101	80.0-120	
Beryllium	100	98.3	98.3	80.0-120	
Cadmium	100	96.5	96.5	80.0-120	
Chromium	100	98.1	98.1	80.0-120	
Cobalt	100	99.5	99.5	80.0-120	
Copper	100	96.7	96.7	80.0-120	
Lead	100	97.2	97.2	80.0-120	
Molybdenum	100	99.7	99.7	80.0-120	
Nickel	100	97.9	97.9	80.0-120	
Selenium	100	95.6	95.6	80.0-120	
Silver	20.0	17.4	87.2	80.0-120	
Thallium	100	94.8	94.8	80.0-120	
Vanadium	100	99.1	99.1	80.0-120	
Zinc	100	95.0	95.0	80.0-120	

L1515658-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1515658-09 07/25/22 18:30 • (MS) R3819011-5 07/25/22 18:38 • (MSD) R3819011-6 07/25/22 18:41

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 %
Antimony	111	ND	76.4	76.2	68.9	68.8	1	75.0-125	J6	J6	0.162	20
Arsenic	111	ND	97.1	97.0	86.3	86.1	1	75.0-125			0.143	20
Barium	111	28.1	131	129	93.2	91.5	1	75.0-125			1.40	20
Beryllium	111	0.223	98.2	98.5	88.5	88.7	1	75.0-125			0.308	20
Cadmium	111	ND	96.6	96.9	87.0	87.2	1	75.0-125			0.243	20
Chromium	111	7.25	104	104	87.7	87.6	1	75.0-125			0.0963	20
Cobalt	111	ND	101	102	90.4	90.8	1	75.0-125			0.411	20
Copper	111	7.54	106	107	89.0	89.9	1	75.0-125			0.946	20
Lead	111	19.9	118	118	89.0	88.9	1	75.0-125			0.0935	20
Molybdenum	111	ND	98.2	98.5	88.5	88.8	1	75.0-125			0.339	20
Nickel	111	4.57	103	103	89.1	89.2	1	75.0-125			0.160	20
Selenium	111	ND	94.4	94.6	85.2	85.4	1	75.0-125			0.258	20
Silver	22.2	ND	17.5	17.5	79.0	79.0	1	75.0-125			0.0491	20
Thallium	111	ND	95.3	96.2	86.0	86.8	1	75.0-125			0.919	20
Vanadium	111	11.6	111	111	89.7	89.5	1	75.0-125			0.186	20
Zinc	111	33.5	129	129	86.1	85.8	1	75.0-125			0.265	20

Method Blank (MB)

(MB) R3819948-1 07/27/22 22:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R3819948-2 07/27/22 22:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	100	100	80.0-120	
Arsenic	100	96.7	96.7	80.0-120	
Barium	100	99.6	99.6	80.0-120	
Beryllium	100	96.3	96.3	80.0-120	
Cadmium	100	95.7	95.7	80.0-120	
Chromium	100	98.0	98.0	80.0-120	
Cobalt	100	96.7	96.7	80.0-120	
Copper	100	93.6	93.6	80.0-120	
Lead	100	97.3	97.3	80.0-120	
Molybdenum	100	101	101	80.0-120	
Nickel	100	96.1	96.1	80.0-120	
Selenium	100	96.3	96.3	80.0-120	
Silver	20.0	18.0	90.0	80.0-120	
Thallium	100	95.3	95.3	80.0-120	
Vanadium	100	95.6	95.6	80.0-120	
Zinc	100	95.1	95.1	80.0-120	

L1515443-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1515443-02 07/27/22 22:24 • (MS) R3819948-5 07/27/22 22:32 • (MSD) R3819948-6 07/27/22 22:34

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	115	ND	50.9	55.4	44.1	48.0	1	75.0-125	J6	J6	8.41	20
Arsenic	115	3.84	118	126	99.3	106	1	75.0-125			6.53	20
Barium	115	50.5	202	202	132	131	1	75.0-125	J5	J5	0.0648	20
Beryllium	115	0.554	114	121	98.3	105	1	75.0-125			6.17	20
Cadmium	115	ND	112	120	97.4	104	1	75.0-125			6.24	20
Chromium	115	12.4	130	136	102	107	1	75.0-125			4.28	20
Cobalt	115	3.02	118	128	99.5	108	1	75.0-125			8.29	20
Copper	115	5.58	123	128	101	106	1	75.0-125			3.89	20
Lead	115	13.3	135	138	105	108	1	75.0-125			2.64	20
Molybdenum	115	ND	112	119	96.8	103	1	75.0-125			6.59	20
Nickel	115	9.43	127	134	102	108	1	75.0-125			5.22	20
Selenium	115	ND	114	123	98.7	106	1	75.0-125			7.43	20
Silver	23.1	ND	21.1	22.3	91.5	96.5	1	75.0-125			5.32	20
Thallium	115	ND	114	121	98.5	105	1	75.0-125			6.11	20
Vanadium	115	21.1	141	143	104	106	1	75.0-125			1.28	20
Zinc	115	46.3	181	195	117	129	1	75.0-125		J5	7.46	20

Method Blank (MB)

(MB) R3818759-3 07/18/22 04:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	0.0644	J	0.0332	0.100
(S) a,a,a-Trifluorotoluene(FID)	*95.1*			*77.0-120*

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

(LCS) R3818759-1 07/18/22 03:14 • (LCSD) R3818759-2 07/18/22 03:34

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 %
TPHG C5 - C12	5.50	5.24	5.12	95.3	93.1	72.0-125			2.32	20
(S) a,a,a-Trifluorotoluene(FID)				*104*	*103*	*77.0-120*				

L1515397-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1515397-01 07/18/22 11:12 • (MS) R3818759-4 07/18/22 12:33 • (MSD) R3818759-5 07/18/22 12:54

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	135	2.83	143	131	104	94.9	25	10.0-141			8.76	29
(S) a,a,a-Trifluorotoluene(FID)					*103*	*105*		*77.0-120*				

Method Blank (MB)

(MB) R3817055-2 07/19/22 22:16

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	0.00250
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) R3817055-2 07/19/22 22:16

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
1,1,2-Trichlorotrifluoroethane	U		0.000754	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
1,2,3-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	*113*			*75.0-131*
(S) 4-Bromofluorobenzene	*87.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*73.2*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3817055-1 07/19/22 21:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.620	99.2	10.0-160	
Acrylonitrile	0.625	0.701	112	45.0-153	
Benzene	0.125	0.117	93.6	70.0-123	
Bromobenzene	0.125	0.142	114	73.0-121	
Bromodichloromethane	0.125	0.110	88.0	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R3817055-1 07/19/22 21:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	0.125	0.132	106	64.0-132	
Bromomethane	0.125	0.109	87.2	56.0-147	
n-Butylbenzene	0.125	0.0902	72.2	68.0-135	
sec-Butylbenzene	0.125	0.116	92.8	74.0-130	
tert-Butylbenzene	0.125	0.122	97.6	75.0-127	
Carbon tetrachloride	0.125	0.121	96.8	66.0-128	
Chlorobenzene	0.125	0.145	116	76.0-128	
Chlorodibromomethane	0.125	0.122	97.6	74.0-127	
Chloroethane	0.125	0.110	88.0	61.0-134	
Chloroform	0.125	0.110	88.0	72.0-123	
Chloromethane	0.125	0.0908	72.6	51.0-138	
2-Chlorotoluene	0.125	0.114	91.2	75.0-124	
4-Chlorotoluene	0.125	0.111	88.8	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.0986	78.9	59.0-130	
1,2-Dibromoethane	0.125	0.134	107	74.0-128	
Dibromomethane	0.125	0.112	89.6	75.0-122	
1,2-Dichlorobenzene	0.125	0.121	96.8	76.0-124	
1,3-Dichlorobenzene	0.125	0.127	102	76.0-125	
1,4-Dichlorobenzene	0.125	0.125	100	77.0-121	
Dichlorodifluoromethane	0.125	0.0918	73.4	43.0-156	
1,1-Dichloroethane	0.125	0.113	90.4	70.0-127	
1,2-Dichloroethane	0.125	0.111	88.8	65.0-131	
1,1-Dichloroethene	0.125	0.111	88.8	65.0-131	
cis-1,2-Dichloroethene	0.125	0.131	105	73.0-125	
trans-1,2-Dichloroethene	0.125	0.119	95.2	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	0.132	106	80.0-125	
cis-1,3-Dichloropropene	0.125	0.109	87.2	76.0-127	
trans-1,3-Dichloropropene	0.125	0.116	92.8	73.0-127	
2,2-Dichloropropane	0.125	0.0932	74.6	59.0-135	
Di-isopropyl ether	0.125	0.108	86.4	60.0-136	
Ethylbenzene	0.125	0.132	106	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.161	129	57.0-150	
Isopropylbenzene	0.125	0.128	102	72.0-127	
p-Isopropyltoluene	0.125	0.123	98.4	72.0-133	
2-Butanone (MEK)	0.625	0.586	93.8	30.0-160	
Methylene Chloride	0.125	0.117	93.6	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.646	103	56.0-143	
Methyl tert-butyl ether	0.125	0.113	90.4	66.0-132	

Laboratory Control Sample (LCS)

(LCS) R3817055-1 07/19/22 21:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.125	0.0990	79.2	59.0-130	
n-Propylbenzene	0.125	0.109	87.2	74.0-126	
Styrene	0.125	0.118	94.4	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.133	106	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.113	90.4	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.134	107	61.0-139	
Tetrachloroethene	0.125	0.177	142	70.0-136	J4
Toluene	0.125	0.134	107	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.118	94.4	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.125	100	62.0-137	
1,1,1-Trichloroethane	0.125	0.111	88.8	69.0-126	
1,1,2-Trichloroethane	0.125	0.144	115	78.0-123	
Trichloroethene	0.125	0.146	117	76.0-126	
Trichlorofluoromethane	0.125	0.124	99.2	61.0-142	
1,2,3-Trichloropropane	0.125	0.130	104	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.102	81.6	70.0-126	
1,2,3-Trimethylbenzene	0.125	0.102	81.6	74.0-124	
1,3,5-Trimethylbenzene	0.125	0.110	88.0	73.0-127	
Vinyl chloride	0.125	0.104	83.2	63.0-134	
Xylenes, Total	0.375	0.383	102	72.0-127	
(S) Toluene-d8			*110*	*75.0-131*	
(S) 4-Bromofluorobenzene			*90.8*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*81.1*	*70.0-130*	

Method Blank (MB)

(MB) R3818422-2 07/22/22 15:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*79.4*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3818422-1 07/22/22 15:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	18.1	72.4	50.0-150	
C22-C32 Hydrocarbons	25.0	15.7	62.8	50.0-150	
(S) o-Terphenyl			*75.2*	*18.0-148*	

L1515504-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1515504-04 07/22/22 17:55 • (MS) R3818422-4 07/22/22 18:21 • (MSD) R3818422-3 07/22/22 18:08

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 %
C12-C22 Hydrocarbons	25.9	ND	18.8	20.3	66.1	72.9	1	50.0-150			7.45	20
C22-C32 Hydrocarbons	25.9	ND	18.8	19.7	61.5	65.8	1	50.0-150			4.32	20
(S) o-Terphenyl					*67.0*	*71.7*		*18.0-148*				

Method Blank (MB)

(MB) R3818607-1 07/21/22 21:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2,4-D	U		0.00702	0.0700
Dalapon	U		0.0113	0.0700
2,4-DB	U		0.0297	0.0700
Dicamba	U		0.0157	0.0700
Dichloroprop	U		0.0245	0.0700
Dinoseb	U		0.00697	0.0700
MCPA	U		0.443	6.50
MCPP	U		0.367	6.50
2,4,5-T	U		0.00852	0.0700
2,4,5-TP (Silvex)	U		0.0107	0.0700
(S) 2,4-Dichlorophenyl Acetic Acid	*82.0*			*22.0-132*

Laboratory Control Sample (LCS)

(LCS) R3818607-2 07/21/22 21:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4-D	0.167	0.136	81.4	40.0-120	
Dalapon	0.167	0.116	69.5	15.0-120	
2,4-DB	0.167	0.147	88.0	25.0-143	
Dicamba	0.167	0.142	85.0	43.0-120	
Dichloroprop	0.167	0.152	91.0	32.0-129	
Dinoseb	0.167	0.130	77.8	10.0-120	
MCPA	16.7	15.0	89.8	31.0-121	
MCPP	16.7	12.9	77.2	28.0-133	
2,4,5-T	0.167	0.134	80.2	41.0-120	
2,4,5-TP (Silvex)	0.167	0.130	77.8	42.0-120	
(S) 2,4-Dichlorophenyl Acetic Acid			*80.8*	*22.0-132*	

L1515679-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1515679-06 07/22/22 00:44 • (MS) R3818607-3 07/22/22 00:59 • (MSD) R3818607-4 07/22/22 01:13

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 %
2,4-D	0.173	ND	0.204	0.218	118	127	1	10.0-160	E P	E P	6.90	24
Dalapon	0.173	ND	0.139	0.146	80.7	84.3	1	10.0-121			4.38	27
2,4-DB	0.173	ND	0.149	0.153	86.1	88.6	1	10.0-160			2.76	22

L1515679-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1515679-06 07/22/22 00:44 • (MS) R3818607-3 07/22/22 00:59 • (MSD) R3818607-4 07/22/22 01:13

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 %
Dicamba	0.173	ND	0.151	0.162	87.3	94.0	1	10.0-154			7.31	21
Dichloroprop	0.173	ND	0.162	0.186	94.0	108	1	10.0-158		E	13.7	20
Dinoseb	0.173	ND	0.127	0.134	73.5	77.7	1	10.0-120			5.58	40
MCPA	17.3	ND	19.1	16.0	111	92.8	1	10.0-160	E		17.8	40
MCPP	17.3	ND	14.8	15.7	85.5	91.0	1	10.0-160			6.14	40
2,4,5-T	0.173	ND	0.149	0.158	86.1	91.6	1	10.0-157			6.10	20
2,4,5-TP (Silvex)	0.173	ND	0.156	0.165	90.4	95.8	1	10.0-156			5.83	20
(S) 2,4-Dichlorophenyl Acetic Acid					*71.1*	*76.5*		*22.0-132*				

Method Blank (MB)

(MB) R3818630-1 07/22/22 14:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aldrin	U		0.00376	0.0200
Alpha BHC	U		0.00368	0.0200
Beta BHC	U		0.00379	0.0200
Delta BHC	U		0.00346	0.0200
Gamma BHC	U		0.00344	0.0200
Chlordane	U		0.103	0.300
4,4-DDD	U		0.00370	0.0200
4,4-DDE	U		0.00366	0.0200
4,4-DDT	U		0.00627	0.0200
Dieldrin	U		0.00344	0.0200
Endosulfan I	U		0.00363	0.0200
Endosulfan II	U		0.00335	0.0200
Endosulfan sulfate	U		0.00364	0.0200
Endrin	U		0.00350	0.0200
Endrin aldehyde	U		0.00339	0.0200
Endrin ketone	U		0.00711	0.0200
Heptachlor	U		0.00428	0.0200
Heptachlor epoxide	U		0.00339	0.0200
Hexachlorobenzene	U		0.00346	0.0200
Methoxychlor	U		0.00484	0.0200
Toxaphene	U		0.124	0.400
(S) Decachlorobiphenyl	*85.9*			*10.0-135*
(S) Tetrachloro-m-xylene	*70.0*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R3818630-3 07/22/22 14:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aldrin	0.0666	0.0532	79.9	34.0-136	
Alpha BHC	0.0666	0.0501	75.2	34.0-139	
Beta BHC	0.0666	0.0464	69.7	34.0-133	
Delta BHC	0.0666	0.0485	72.8	34.0-135	
Gamma BHC	0.0666	0.0496	74.5	34.0-136	
4,4-DDD	0.0666	0.0509	76.4	33.0-141	
4,4-DDE	0.0666	0.0525	78.8	34.0-134	
4,4-DDT	0.0666	0.0543	81.5	30.0-143	
Dieldrin	0.0666	0.0533	80.0	35.0-137	
Endosulfan I	0.0666	0.0507	76.1	34.0-134	

Laboratory Control Sample (LCS)

(LCS) R3818630-3 07/22/22 14:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endosulfan II	0.0666	0.0517	77.6	35.0-132	
Endosulfan sulfate	0.0666	0.0520	78.1	35.0-132	
Endrin	0.0666	0.0565	84.8	34.0-137	
Endrin aldehyde	0.0666	0.0516	77.5	23.0-121	
Endrin ketone	0.0666	0.0520	78.1	35.0-144	
Heptachlor	0.0666	0.0492	73.9	36.0-141	
Heptachlor epoxide	0.0666	0.0526	79.0	36.0-134	
Hexachlorobenzene	0.0666	0.0470	70.6	33.0-129	
Methoxychlor	0.0666	0.0548	82.3	28.0-150	
(S) Decachlorobiphenyl			*86.5*	*10.0-135*	
(S) Tetrachloro-m-xylene			*68.9*	*10.0-139*	

L1516951-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1516951-05 07/25/22 00:24 • (MS) R3818717-1 07/25/22 00:37 • (MSD) R3818717-2 07/25/22 00:49

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0786	ND	0.0661	0.0614	84.1	78.1	1	20.0-135			7.41	37
Alpha BHC	0.0786	ND	0.0693	0.0661	88.1	84.1	1	27.0-140			4.71	35
Beta BHC	0.0786	ND	0.0596	0.0572	75.8	72.8	1	23.0-141			4.04	37
Delta BHC	0.0786	ND	0.0681	0.0625	86.6	79.6	1	21.0-138			8.49	35
Gamma BHC	0.0786	ND	0.0700	0.0661	89.0	84.1	1	27.0-137			5.72	36
4,4-DDD	0.0786	ND	0.0685	0.0617	87.2	78.5	1	15.0-152			10.5	39
4,4-DDE	0.0786	ND	0.0765	0.0685	97.3	87.2	1	10.0-152	P	P	10.9	40
4,4-DDT	0.0786	ND	0.0690	0.0558	87.8	71.0	1	10.0-151			21.2	40
Dieldrin	0.0786	ND	0.0693	0.0623	88.1	79.3	1	17.0-145			10.6	37
Endosulfan I	0.0786	ND	0.0708	0.0650	90.1	82.7	1	20.0-137		P	8.51	36
Endosulfan II	0.0786	ND	0.0711	0.0651	90.5	82.9	1	15.0-141			8.83	37
Endosulfan sulfate	0.0786	ND	0.0708	0.0652	90.1	83.0	1	15.0-143		P	8.15	38
Endrin	0.0786	ND	0.0708	0.0643	90.1	81.8	1	19.0-143			9.61	37
Endrin aldehyde	0.0786	ND	0.0608	0.0566	77.3	72.1	1	10.0-139		P	7.04	40
Endrin ketone	0.0786	ND	0.0527	0.0500	67.1	63.7	1	17.0-149			5.28	38
Heptachlor	0.0786	ND	0.0639	0.0579	81.4	73.7	1	22.0-138			9.87	37
Heptachlor epoxide	0.0786	ND	0.0696	0.0702	88.6	89.3	1	22.0-138		P	0.844	36
Hexachlorobenzene	0.0786	ND	0.0656	0.0602	83.5	76.6	1	25.0-126			8.63	35
Methoxychlor	0.0786	ND	0.0654	0.0562	83.2	71.5	1	10.0-159			15.1	40
(S) Decachlorobiphenyl					*115*	*98.9*		*10.0-135*				
(S) Tetrachloro-m-xylene					*81.5*	*72.2*		*10.0-139*				

Method Blank (MB)

(MB) R3818630-1 07/22/22 14:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*94.6*			*10.0-135*
(S) Tetrachloro-m-xylene	*76.6*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R3818630-2 07/22/22 14:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.124	74.3	36.0-141	
PCB 1260	0.167	0.141	84.4	37.0-145	
(S) Decachlorobiphenyl			*97.9*	*10.0-135*	
(S) Tetrachloro-m-xylene			*80.8*	*10.0-139*	

L1516951-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1516951-05 07/25/22 00:24 • (MS) R3818717-3 07/25/22 01:02 • (MSD) R3818717-4 07/25/22 01:15

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 %
PCB 1016	0.197	ND	0.195	0.204	98.8	104	1	10.0-160			4.73	37
PCB 1260	0.197	ND	0.149	0.127	75.4	64.7	1	10.0-160			15.4	38
(S) Decachlorobiphenyl					*85.9*	*91.1*		*10.0-135*				
(S) Tetrachloro-m-xylene					*73.3*	*81.4*		*10.0-139*				

Method Blank (MB)

(MB) R3818146-2 07/21/22 10:25

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) R3818146-2 07/21/22 10:25

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	*67.7*			*12.0-120*
(S) Phenol-d5	*62.9*			*10.0-120*
(S) Nitrobenzene-d5	*59.8*			*10.0-122*
(S) 2-Fluorobiphenyl	*64.0*			*15.0-120*
(S) 2,4,6-Tribromophenol	*60.2*			*10.0-127*
(S) p-Terphenyl-d14	*71.2*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R3818146-1 07/21/22 10:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.466	70.0	38.0-120	
Acenaphthylene	0.666	0.491	73.7	40.0-120	
Anthracene	0.666	0.496	74.5	42.0-120	
Benzidine	1.33	0.554	41.7	10.0-120	
Benzo(a)anthracene	0.666	0.525	78.8	44.0-120	
Benzo(b)fluoranthene	0.666	0.519	77.9	43.0-120	
Benzo(k)fluoranthene	0.666	0.517	77.6	44.0-120	
Benzo(g,h,i)perylene	0.666	0.555	83.3	43.0-120	
Benzo(a)pyrene	0.666	0.574	86.2	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.367	55.1	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.429	64.4	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.417	62.6	23.0-120	
4-Bromophenyl-phenylether	0.666	0.502	75.4	40.0-120	
2-Chloronaphthalene	0.666	0.453	68.0	35.0-120	

Laboratory Control Sample (LCS)

(LCS) R3818146-1 07/21/22 10:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	0.666	0.519	77.9	40.0-120	
Chrysene	0.666	0.510	76.6	43.0-120	
Dibenz(a,h)anthracene	0.666	0.559	83.9	44.0-120	
3,3-Dichlorobenzidine	1.33	0.994	74.7	28.0-120	
2,4-Dinitrotoluene	0.666	0.605	90.8	45.0-120	
2,6-Dinitrotoluene	0.666	0.580	87.1	42.0-120	
Fluoranthene	0.666	0.505	75.8	44.0-120	
Fluorene	0.666	0.511	76.7	41.0-120	
Hexachlorobenzene	0.666	0.488	73.3	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.365	54.8	15.0-120	
Hexachlorocyclopentadiene	0.666	0.260	39.0	15.0-120	
Hexachloroethane	0.666	0.422	63.4	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.603	90.5	45.0-120	
Isophorone	0.666	0.328	49.2	23.0-120	
Naphthalene	0.666	0.365	54.8	18.0-120	
Nitrobenzene	0.666	0.354	53.2	17.0-120	
n-Nitrosodimethylamine	0.666	0.353	53.0	10.0-125	
n-Nitrosodiphenylamine	0.666	0.481	72.2	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.411	61.7	26.0-120	
Phenanthrene	0.666	0.496	74.5	42.0-120	
Benzylbutyl phthalate	0.666	0.548	82.3	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.535	80.3	41.0-120	
Di-n-butyl phthalate	0.666	0.500	75.1	43.0-120	
Diethyl phthalate	0.666	0.537	80.6	43.0-120	
Dimethyl phthalate	0.666	0.522	78.4	43.0-120	
Di-n-octyl phthalate	0.666	0.582	87.4	40.0-120	
Pyrene	0.666	0.508	76.3	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.394	59.2	17.0-120	
4-Chloro-3-methylphenol	0.666	0.416	62.5	28.0-120	
2-Chlorophenol	0.666	0.469	70.4	28.0-120	
2,4-Dichlorophenol	0.666	0.406	61.0	25.0-120	
2,4-Dimethylphenol	0.666	0.379	56.9	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.545	81.8	16.0-120	
2,4-Dinitrophenol	0.666	0.437	65.6	10.0-120	
2-Nitrophenol	0.666	0.439	65.9	20.0-120	
4-Nitrophenol	0.666	0.615	92.3	27.0-120	
Pentachlorophenol	0.666	0.452	67.9	29.0-120	
Phenol	0.666	0.445	66.8	28.0-120	
2,4,6-Trichlorophenol	0.666	0.506	76.0	37.0-120	
(S) 2-Fluorophenol			*73.4*	*12.0-120*	

Laboratory Control Sample (LCS)

(LCS) R3818146-1 07/21/22 10:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*68.2*	*10.0-120*	
(S) Nitrobenzene-d5			*55.0*	*10.0-122*	
(S) 2-Fluorobiphenyl			*70.3*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*78.8*	*10.0-127*	
(S) p-Terphenyl-d14			*74.8*	*10.0-120*	

L1515724-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1515724-04 07/21/22 16:04 • (MS) R3818146-3 07/21/22 16:25 • (MSD) R3818146-4 07/21/22 16:46

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.652	ND	0.294	0.387	45.1	60.1	1	18.0-120			27.3	32
Acenaphthylene	0.652	ND	0.298	0.387	45.7	60.1	1	25.0-120			26.0	32
Anthracene	0.652	ND	0.306	0.410	46.9	63.7	1	22.0-120		J3	29.1	29
Benzidine	1.30	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(a)anthracene	0.652	ND	0.324	0.436	49.7	67.7	1	25.0-120		J3	29.5	29
Benzo(b)fluoranthene	0.652	ND	0.310	0.423	47.5	65.7	1	19.0-122			30.8	31
Benzo(k)fluoranthene	0.652	ND	0.304	0.380	46.6	59.0	1	23.0-120			22.2	30
Benzo(g,h,i)perylene	0.652	ND	0.317	0.397	48.6	61.6	1	10.0-120			22.4	33
Benzo(a)pyrene	0.652	ND	0.348	0.460	53.4	71.4	1	24.0-120			27.7	30
Bis(2-chlorethoxy)methane	0.652	ND	ND	0.337	41.7	52.3	1	10.0-120			21.3	34
Bis(2-chloroethyl)ether	0.652	ND	ND	0.345	44.2	53.6	1	10.0-120			18.0	40
2,2-Oxybis(1-Chloropropane)	0.652	ND	ND	0.349	42.5	54.2	1	10.0-120			23.0	40
4-Bromophenyl-phenylether	0.652	ND	ND	0.432	47.9	67.1	1	27.0-120		J3	32.3	30
2-Chloronaphthalene	0.652	ND	0.272	0.349	41.7	54.2	1	20.0-120			24.8	32
4-Chlorophenyl-phenylether	0.652	ND	ND	0.390	46.5	60.6	1	24.0-120			25.1	29
Chrysene	0.652	ND	0.318	0.422	48.8	65.5	1	21.0-120			28.1	29
Dibenz(a,h)anthracene	0.652	ND	0.324	0.415	49.7	64.4	1	10.0-120			24.6	32
3,3-Dichlorobenzidine	1.30	ND	0.409	0.538	31.5	41.7	1	10.0-120			27.2	34
2,4-Dinitrotoluene	0.652	ND	0.410	0.553	62.9	85.9	1	30.0-120			29.7	31
2,6-Dinitrotoluene	0.652	ND	0.345	0.459	52.9	71.3	1	25.0-120			28.4	31
Fluoranthene	0.652	ND	0.316	0.417	48.5	64.8	1	18.0-126			27.6	32
Fluorene	0.652	ND	0.338	0.445	47.3	64.5	1	25.0-120			27.3	30
Hexachlorobenzene	0.652	ND	ND	0.392	46.2	60.9	1	27.0-120			26.3	28
Hexachloro-1,3-butadiene	0.652	ND	ND	ND	40.2	50.8	1	10.0-120			22.1	38
Hexachlorocyclopentadiene	0.652	ND	ND	ND	21.9	26.2	1	10.0-120			16.7	40
Hexachloroethane	0.652	ND	0.563	0.896	86.3	139	1	10.0-120		J3 J5	45.6	40
Indeno(1,2,3-cd)pyrene	0.652	ND	0.371	0.463	56.9	71.9	1	10.0-120			22.1	32
Isophorone	0.652	ND	ND	0.402	49.1	62.4	1	13.0-120			22.7	34

L1515724-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1515724-04 07/21/22 16:04 • (MS) R3818146-3 07/21/22 16:25 • (MSD) R3818146-4 07/21/22 16:46

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.652	0.106	0.372	0.472	40.8	56.8	1	10.0-120			23.7	35
Nitrobenzene	0.652	ND	ND	ND	39.6	48.6	1	10.0-120			19.3	36
n-Nitrosodimethylamine	0.652	ND	ND	ND	33.6	40.7	1	10.0-127			17.9	40
n-Nitrosodiphenylamine	0.652	ND	0.406	0.585	62.3	90.8	1	17.0-120		J3	36.1	29
n-Nitrosodi-n-propylamine	0.652	ND	0.391	ND	60.0	0.000	1	10.0-120		J3 J6	200	37
Phenanthrene	0.652	0.0540	0.366	0.515	47.9	71.6	1	17.0-120		J3	33.8	31
Benzylbutyl phthalate	0.652	ND	0.356	0.469	54.6	72.8	1	23.0-120			27.4	30
Bis(2-ethylhexyl)phthalate	0.652	ND	0.347	0.458	53.2	71.1	1	17.0-126			27.6	30
Di-n-butyl phthalate	0.652	ND	ND	0.413	47.4	64.1	1	30.0-120			28.8	29
Diethyl phthalate	0.652	ND	ND	0.402	46.0	62.4	1	26.0-120		J3	29.1	28
Dimethyl phthalate	0.652	ND	ND	0.382	45.9	59.3	1	25.0-120			24.4	29
Di-n-octyl phthalate	0.652	ND	0.399	0.536	61.2	83.2	1	21.0-123		J3	29.3	29
Pyrene	0.652	ND	0.310	0.421	47.5	65.4	1	16.0-121			30.4	32
1,2,4-Trichlorobenzene	0.652	ND	ND	ND	42.5	51.6	1	12.0-120			18.1	37
4-Chloro-3-methylphenol	0.652	ND	ND	0.353	42.5	54.8	1	15.0-120			24.1	30
2-Chlorophenol	0.652	ND	ND	0.367	46.2	57.0	1	15.0-120			19.8	37
2,4-Dichlorophenol	0.652	ND	ND	0.365	44.2	56.7	1	20.0-120			23.6	31
2,4-Dimethylphenol	0.652	ND	ND	ND	36.2	48.4	1	10.0-120			27.7	33
4,6-Dinitro-2-methylphenol	0.652	ND	0.411	0.509	63.0	79.0	1	10.0-120			21.3	39
2,4-Dinitrophenol	0.652	ND	0.405	0.507	62.1	78.7	1	10.0-121			22.4	40
2-Nitrophenol	0.652	ND	0.367	0.436	56.3	67.7	1	12.0-120			17.2	39
4-Nitrophenol	0.652	ND	0.456	0.601	69.9	93.3	1	10.0-137			27.4	32
Pentachlorophenol	0.652	ND	ND	0.351	44.9	54.5	1	10.0-160			18.0	31
Phenol	0.652	ND	ND	0.389	49.4	60.4	1	12.0-120			18.8	38
2,4,6-Trichlorophenol	0.652	ND	ND	0.398	47.1	61.8	1	19.0-120			25.8	32
(S) 2-Fluorophenol					*53.4*	*65.2*		*12.0-120*				
(S) Phenol-d5					*48.9*	*60.1*		*10.0-120*				
(S) Nitrobenzene-d5					*53.4*	*65.5*		*10.0-122*				
(S) 2-Fluorobiphenyl					*46.9*	*57.8*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*53.1*	*66.5*		*10.0-127*				
(S) p-Terphenyl-d14					*52.1*	*64.9*		*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
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.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
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.
P	RPD between the primary and confirmatory analysis exceeded 40%.

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.