State of Oregon Department of Environmental Quality

Initial Twenty Day Report Form

Leaking Underground Storage Tank Program

This report is due twenty (20) days from the date of release. Keep a copy of this report with your facility records.

DEQ Project No. LUST #33-25-0011

DEQ Facility ID No. UST Facility #8414

Project Name: West Second Street Market

Project Address: 1433 W 2nd Street, The Dalles

Initial Cleanup Information

1. Type of contamination (check √ all that apply):
   ☑ Gasoline ☑ Diesel ☐ Waste Oil ☐ Heating Oil
   Other (specify) _____

2. Estimate quantity of release (based on information known to date, select only one):
   ◉ <100 gal. ○ 100-499 gal. ○ 500-999 gal. ○ 1,000-5,000 gal. ○ >5,000 gal.

Site Information (check √ yes or √ no)

3. ☐ Y ☑ N Did any water enter the excavation? If yes, please describe and identify the depth to groundwater in feet below ground surface: _____

4. ☐ Y ☑ N Was a sheen or odor observed on any water in the excavation?

Note: If groundwater is encountered, soil samples from the soil/water interface must be collected and analyzed for BTEX and by the appropriate TPH method.

At sites where diesel or other non-gasoline products have been released, the water may also have to be screened or tested for polynuclear aromatic hydrocarbons (PAHs). *Please refer to OAR 340-122-0218.*

5. ☐ Y ☑ N Was water pumped from the excavation?
   ☐ Y ☐ N If yes, did groundwater recharge within 24 hours after pumping?
   Please describe the pumping procedure and disposal option selected for the purged excavation water:

6. ☐ Y ☑ N Were any water samples collected from the excavation? If yes, please describe.
   One groundwater sample was collected boring advanced down-gradient of USTs

7. ☑ Y ☐ N Have any soil and/or water sample results been received at this time? **If so, please attach any lab reports.**

If groundwater has been encountered, please answer questions #8-13, below.

If no water has been encountered, please skip to question #14.

8. What are the known uses of groundwater within a 500-foot radius of the release site (check √ all that apply)?

☐ non-use ☐ industrial ☐ agricultural ☐ drinking supply

9. If groundwater in this area is being used as a drinking water supply, please check √ the type and size of population served by the supply:

☐ Community (community well used for drinking water year round, select only one)
size: ◯ <1,000 people ◯ 1,000 - 5,000 people ◯ >5,000 people

☐ Intermittent use (public water used for drinking water only on a part-time basis, select only one)
size: ◯ <50 people ◯ 50 - 300 people ◯ > 300 people

☐ Private wells (individual private well or wells used for drinking water, select only one)
size: ◯ <10 people ◯ 10 - 25 people ◯ >25 people

10. ☐ **Y** ☐ **N** Is there any evidence this water supply has been or is likely to be impacted from the petroleum product release? If yes, estimate how difficult it would be to replace the existing supply:

☐ bottled water is the only alternative

☐ on-site water treatment; bulk water delivery; new wells are available

☐ able to connect to existing water supply

☐ do not know what alternatives would be available

11. ☐ **Y** ☐ **N** Are/were vapors present in on-site or nearby buildings? If yes:

A. Are you monitoring and/or mitigating any potential fire and safety hazards posed by vapors and free product? Explain: _____

_____

B. Estimate the number of people potentially affected by vapors – ● select only one:

1-2 people 3-10 people >10 people

12. ☐ **Y** ☐ **N** Are vapors or is petroleum contamination present in the utility corridors? If yes, please explain:

13. ☐ **Y** ☐ **N** Are natural areas located within 1/4 mile of the site? If so, please describe types (parks, rivers, wetlands, sensitive habitats, *etc.*) and proximity:

14. ☑ **Y** ☐ **N** If groundwater was not encountered in the excavation, do you believe that this cleanup project can be conducted under the requirements for an UST Cleanup Matrix site? If yes, then refer to OAR 340-122-0305 through 0360.

Area Site Conditions

15. Mean annual rainfall: (●) <20 inches ( ) 20-45 inches ( ) >45 inches

16. Soil type(s) of the naturally occurring soils, not the backfill around the tank, select only one:

( ) clays, compact tills, shales, and unfractured metamorphic and igneous rocks

(●) sandy loams, loamy sands, silty clays, clay loams, moderately permeable limestone, dolomite, sandstones, moderately fractured igneous and metamorphic rock

( ) fine and silty sands, sands and gravels, highly fractured igneous and metamorphic rock, permeable basalts and lavas, karst limestones and dolomites

Soil Management

17. If soil sample results have been received:

[✔] **Y** [ ] **N** Will the level of contamination detected require removal of contaminated soil for treatment or disposal?

18. All contaminated soil temporarily stockpiled on-site prior to treatment or disposal must be contained within a bermed area, kept covered, and the entire area secured to prevent unauthorized access by the public. If you haven't done this, please explain why:

Note: It is a violation to stockpile petroleum contaminated soil (PCS) on-site for greater than 30 days without a DEQ Solid Waste Letter Authorization (SWLA) Permit.

19. If contaminated soil is currently stockpiled on-site, please indicate when disposal will occur or when treatment will begin: N/A

20. Estimated volume of contaminated soil (specify tons or cubic yards): 5 yards

21. Intended disposition of soils (select only one):

( ) On-site/off-site treatment, Solid Waste Letter Authorization Permit Application attached.

( ) Thermal treatment off-site at an authorized facility.
Facility name: _____

(●) Landfill disposal.
Landfill name: Wasco County Landfill, The Dalles, OR

Note: Please attach additional information as necessary to explain any unusual circumstances associated with this project.

This initial report is intended to provide the Department with the basic initial information about activities associated with the release. Future reports should provide a more detailed and complete picture of the cleanup project.

Please be aware that a DEQ permit/authorization is required for the following activities:

1) Soil aeration, bioremediation (on-site or off-site), or on-site thermal treatment.

2) Water discharges to a stream/storm drain from the excavation or treatment tank.

If these activities will be included in your cleanup project, contact the regional DEQ office for the appropriate application forms, information on permit fees and guidance documents.

This report was prepared by:

Individual: Jon White
Date: 1/23/25
Company: Martin S. Burck Associates
Phone: 541.387.4422
Address: 200 N Wasco Ct
City: Hood River, OR
State: OR
Zip: 97031

1. Return this form to the regional office in which the site is located or by emailing info.lust@deq.oregon.gov.

2. For all tanks, **except heating oil tanks**, you must submit an *UST Decommissioning Checklist and Site Assessment Report* to the appropriate regional office **within 30 days** of the UST decommissioning. Failure to do so can result in delays to your project and may result in continued bulling for the annual tank permit fees.

3. Copies of the LUST Cleanup Manual and other guidance can be viewed and downloaded from the Leaking Underground Storage Tank Cleanup Guidance web page.

4. For Program assistance Contact the DEQ regional office.

Translation or other formats

Español | 한국어 | 繁體中文 | Русский | Tiếng Việt | العربية
800-452-4011 | TTY: 711 | deqinfo@deq.oregon.gov

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ANALYTICAL REPORT

December 17, 2024

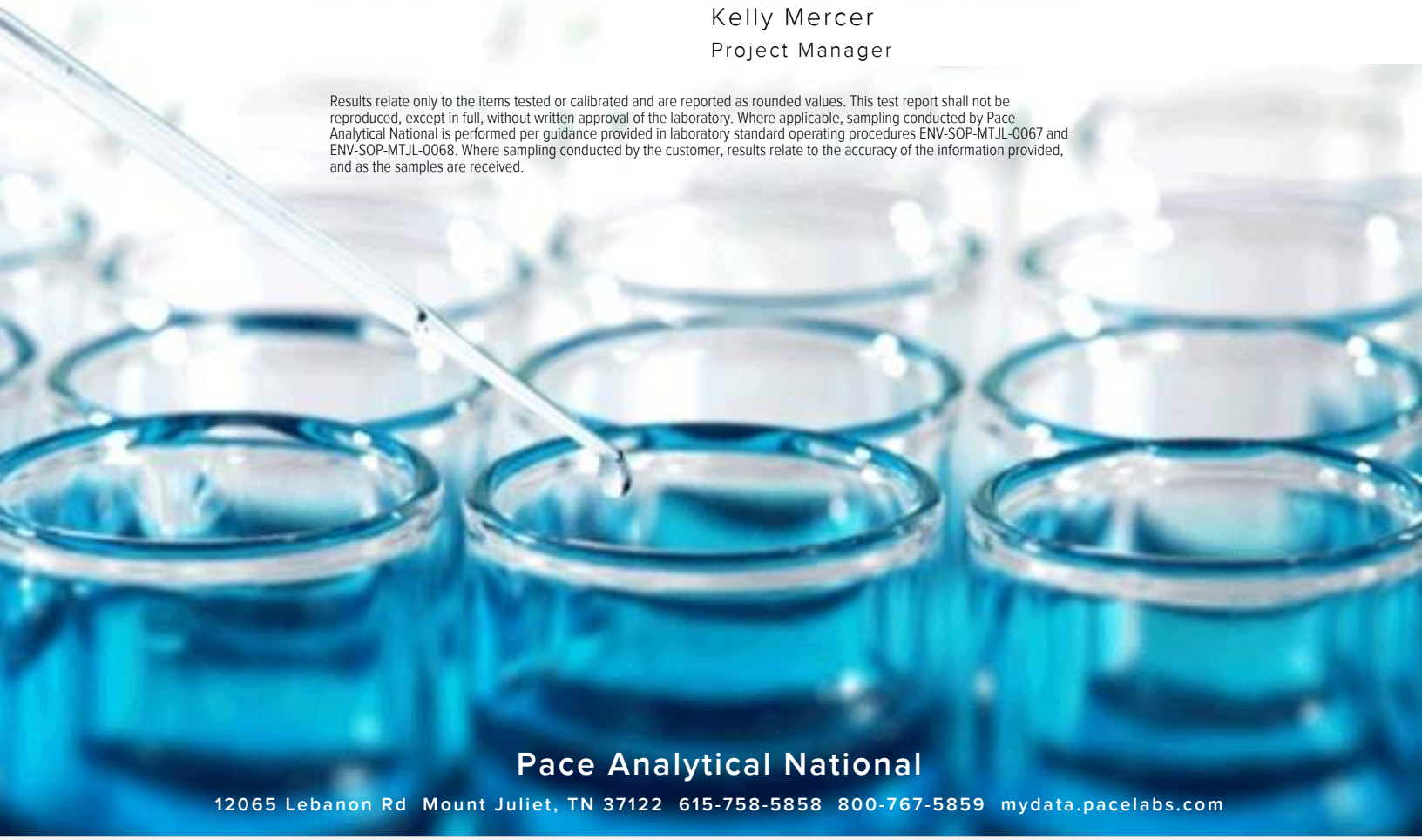
Revised Report

Martin S. Burck Assoc.-Hood River, OR

Sample Delivery Group:	L1803672
Samples Received:	11/23/2024
Project Number:	HATTENHAUER - THE DA
Description:	Hattenhauer - 2nd St Market - The Dalles
Site:	HATTENHAUER - THE DALLESS
Report To:	Jon White 200 N. Wasco Ct. Hood River, OR 97031

Entire Report Reviewed By:

Kelly Mercer
Project Manager



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

TABLE OF CONTENTS

Cp: Cover Page 1

Tc: Table of Contents 2

Ss: Sample Summary 3

Cn: Case Narrative 5

Sr: Sample Results 6

B1-10 L1803672-01 6

B2-10 L1803672-02 7

B3-10 L1803672-03 8

B4-10 L1803672-04 9

HA1-3.5 L1803672-05 10

HA2-3.5 L1803672-06 11

HA3-1 L1803672-07 12

HA3-3.5 L1803672-08 13

HA4-3.5 L1803672-09 14

HA5-3.5 L1803672-10 15

Qc: Quality Control Summary 16

Total Solids by Method 2540 G-2011 16

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT 18

Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID 19

Gl: Glossary of Terms 21

Al: Accreditations & Locations 22

Sc: Sample Chain of Custody 23

B1-10 L1803672-01 Solid

Collected by: Jon White | Collected date/time: 11/21/24 14:42 | Received date/time: 11/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2408223	1	11/25/24 14:04	11/25/24 14:09	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2409445	1	11/27/24 09:05	11/27/24 19:00	SAW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID	WG2409424	1	11/27/24 08:01	11/27/24 23:47	KKS	Mt. Juliet, TN

B2-10 L1803672-02 Solid

Collected by: Jon White | Collected date/time: 11/21/24 15:37 | Received date/time: 11/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2408223	1	11/25/24 14:04	11/25/24 14:09	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2409445	1	11/27/24 09:05	11/30/24 13:56	SAW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID	WG2409424	1	11/27/24 08:01	11/30/24 17:57	SGB	Mt. Juliet, TN

B3-10 L1803672-03 Solid

Collected by: Jon White | Collected date/time: 11/21/24 16:52 | Received date/time: 11/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2408223	1	11/25/24 14:04	11/25/24 14:09	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2409445	1	11/27/24 09:05	11/27/24 19:37	SAW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID	WG2409424	1	11/27/24 08:01	11/27/24 23:59	KKS	Mt. Juliet, TN

B4-10 L1803672-04 Solid

Collected by: Jon White | Collected date/time: 11/21/24 16:35 | Received date/time: 11/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2408223	1	11/25/24 14:04	11/25/24 14:09	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2409445	1	11/27/24 09:05	11/27/24 19:50	SAW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID	WG2410762	1	12/02/24 09:09	12/02/24 20:46	KKS	Mt. Juliet, TN

HA1-3.5 L1803672-05 Solid

Collected by: Jon White | Collected date/time: 11/21/24 12:09 | Received date/time: 11/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2408223	1	11/25/24 14:04	11/25/24 14:09	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2409445	1	11/27/24 09:05	11/27/24 19:25	SAW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID	WG2410762	1	12/02/24 09:09	12/03/24 13:27	KKS	Mt. Juliet, TN

HA2-3.5 L1803672-06 Solid

Collected by: Jon White | Collected date/time: 11/21/24 13:34 | Received date/time: 11/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2408223	1	11/25/24 14:04	11/25/24 14:09	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2409445	1	11/27/24 09:05	11/27/24 18:48	SAW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID	WG2410762	1	12/02/24 09:09	12/03/24 13:27	KKS	Mt. Juliet, TN

HA3-1 L1803672-07 Solid

Collected by: Jon White | Collected date/time: 11/21/24 11:47 | Received date/time: 11/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2408223	1	11/25/24 14:04	11/25/24 14:09	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2409445	5	11/27/24 09:05	11/27/24 21:30	SAW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID	WG2410762	10	12/02/24 09:09	12/03/24 13:40	KKS	Mt. Juliet, TN

HA3-3.5 L1803672-08 Solid

Collected by: Jon White | Collected date/time: 11/21/24 12:46 | Received date/time: 11/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2408223	1	11/25/24 14:04	11/25/24 14:09	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2409445	1	11/27/24 09:05	11/27/24 21:17	SAW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID	WG2410762	1	12/02/24 09:09	12/03/24 13:15	KKS	Mt. Juliet, TN

HA4-3.5 L1803672-09 Solid

Collected by: Jon White | Collected date/time: 11/21/24 11:29 | Received date/time: 11/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2408223	1	11/25/24 14:04	11/25/24 14:09	JAV	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2409445	1	11/27/24 09:05	11/27/24 18:35	SAW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID	WG2410762	1	12/02/24 09:09	12/03/24 13:15	KKS	Mt. Juliet, TN

HA5-3.5 L1803672-10 Solid

Collected by: Jon White | Collected date/time: 11/21/24 10:04 | Received date/time: 11/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2408224	1	11/26/24 10:50	11/26/24 11:07	KDW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2409445	1	11/27/24 09:05	11/27/24 20:27	SAW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID	WG2410762	1	12/02/24 09:09	12/02/24 22:49	KKS	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.

Kelly Mercer
Project Manager

Report Revision History

Level II Report - Version 1: 12/12/24 12:18

Project Narrative

Dx data turned on

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.4		1	11/25/2024 14:09	WG2408223

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Diesel Range Organics (DRO)	ND	J3	4.98	1	11/27/2024 19:00	WG2409445
Residual Range Organics (RRO)	ND		12.4	1	11/27/2024 19:00	WG2409445
(S) o-Terphenyl	*84.3*		*18.0-148*		*11/27/2024 19:00*	WG2409445

Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline (C7-C12)	ND		4.98	1	11/27/2024 23:47	WG2409424
Mineral Spirits	ND		4.98	1	11/27/2024 23:47	WG2409424
Kerosene	ND		4.98	1	11/27/2024 23:47	WG2409424
Diesel (C12-C24)	ND		4.98	1	11/27/2024 23:47	WG2409424
#6 Fuel Oil	ND		4.98	1	11/27/2024 23:47	WG2409424
Hydraulic Fluid	ND		4.98	1	11/27/2024 23:47	WG2409424
Motor Oil (C24-C30)	ND		12.4	1	11/27/2024 23:47	WG2409424
(S) o-Terphenyl	*48.8*		*18.0-148*		*11/27/2024 23:47*	WG2409424

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.7		1	11/25/2024 14:09	WG2408223

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Diesel Range Organics (DRO)	11.6		4.78	1	11/30/2024 13:56	WG2409445
Residual Range Organics (RRO)	14.6		11.9	1	11/30/2024 13:56	WG2409445
(S) o-Terphenyl	*83.3*		*18.0-148*		*11/30/2024 13:56*	WG2409445

Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline (C7-C12)	ND		4.78	1	11/30/2024 17:57	WG2409424
Mineral Spirits	ND		4.78	1	11/30/2024 17:57	WG2409424
Kerosene	ND		4.78	1	11/30/2024 17:57	WG2409424
Diesel (C12-C24)	8.48		4.78	1	11/30/2024 17:57	WG2409424
#6 Fuel Oil	ND		4.78	1	11/30/2024 17:57	WG2409424
Hydraulic Fluid	ND		4.78	1	11/30/2024 17:57	WG2409424
Motor Oil (C24-C30)	ND		11.9	1	11/30/2024 17:57	WG2409424
(S) o-Terphenyl	*68.1*		*18.0-148*		*11/30/2024 17:57*	WG2409424

Sample Narrative:

L1803672-02 WG2409424: Sample resembles laboratory standard for Hydraulic Oil and Diesel.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.6		1	11/25/2024 14:09	WG2408223

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Diesel Range Organics (DRO)	ND		4.10	1	11/27/2024 19:37	WG2409445
Residual Range Organics (RRO)	ND		10.2	1	11/27/2024 19:37	WG2409445
(S) o-Terphenyl	*87.1*		*18.0-148*		*11/27/2024 19:37*	WG2409445

Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline (C7-C12)	ND		4.10	1	11/27/2024 23:59	WG2409424
Mineral Spirits	ND		4.10	1	11/27/2024 23:59	WG2409424
Kerosene	ND		4.10	1	11/27/2024 23:59	WG2409424
Diesel (C12-C24)	ND		4.10	1	11/27/2024 23:59	WG2409424
#6 Fuel Oil	ND		4.10	1	11/27/2024 23:59	WG2409424
Hydraulic Fluid	ND		4.10	1	11/27/2024 23:59	WG2409424
Motor Oil (C24-C30)	ND		10.2	1	11/27/2024 23:59	WG2409424
(S) o-Terphenyl	*59.2*		*18.0-148*		*11/27/2024 23:59*	WG2409424

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	70.6		1	11/25/2024 14:09	WG2408223

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Diesel Range Organics (DRO)	176		5.67	1	11/27/2024 19:50	WG2409445
Residual Range Organics (RRO)	ND		14.2	1	11/27/2024 19:50	WG2409445
(S) o-Terphenyl	*83.3*		*18.0-148*		*11/27/2024 19:50*	WG2409445

Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline (C7-C12)	215		5.67	1	12/02/2024 20:46	WG2410762
Mineral Spirits	ND		5.67	1	12/02/2024 20:46	WG2410762
Kerosene	ND		5.67	1	12/02/2024 20:46	WG2410762
Diesel (C12-C24)	194		5.67	1	12/02/2024 20:46	WG2410762
#6 Fuel Oil	ND		5.67	1	12/02/2024 20:46	WG2410762
Hydraulic Fluid	ND		5.67	1	12/02/2024 20:46	WG2410762
Motor Oil (C24-C30)	ND		14.2	1	12/02/2024 20:46	WG2410762
(S) o-Terphenyl	*75.1*		*18.0-148*		*12/02/2024 20:46*	WG2410762

Sample Narrative:

L1803672-04 WG2410762: Sample resembles laboratory standard for Diesel.

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.4		1	11/25/2024 14:09	WG2408223

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Diesel Range Organics (DRO)	ND		4.19	1	11/27/2024 19:25	WG2409445
Residual Range Organics (RRO)	ND		10.5	1	11/27/2024 19:25	WG2409445
(S) o-Terphenyl	*83.7*		*18.0-148*		*11/27/2024 19:25*	WG2409445

Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline (C7-C12)	ND		4.19	1	12/03/2024 13:27	WG2410762
Mineral Spirits	ND		4.19	1	12/03/2024 13:27	WG2410762
Kerosene	ND		4.19	1	12/03/2024 13:27	WG2410762
Diesel (C12-C24)	ND		4.19	1	12/03/2024 13:27	WG2410762
#6 Fuel Oil	ND		4.19	1	12/03/2024 13:27	WG2410762
Hydraulic Fluid	ND		4.19	1	12/03/2024 13:27	WG2410762
Motor Oil (C24-C30)	ND		10.5	1	12/03/2024 13:27	WG2410762
(S) o-Terphenyl	*90.7*		*18.0-148*		*12/03/2024 13:27*	WG2410762

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.2		1	11/25/2024 14:09	WG2408223

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Diesel Range Organics (DRO)	ND		4.20	1	11/27/2024 18:48	WG2409445
Residual Range Organics (RRO)	13.8		10.5	1	11/27/2024 18:48	WG2409445
(S) o-Terphenyl	*75.8*		*18.0-148*		*11/27/2024 18:48*	WG2409445

Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline (C7-C12)	ND		4.20	1	12/03/2024 13:27	WG2410762
Mineral Spirits	ND		4.20	1	12/03/2024 13:27	WG2410762
Kerosene	ND		4.20	1	12/03/2024 13:27	WG2410762
Diesel (C12-C24)	7.63		4.20	1	12/03/2024 13:27	WG2410762
#6 Fuel Oil	ND		4.20	1	12/03/2024 13:27	WG2410762
Hydraulic Fluid	ND		4.20	1	12/03/2024 13:27	WG2410762
Motor Oil (C24-C30)	ND		10.5	1	12/03/2024 13:27	WG2410762
(S) o-Terphenyl	*65.2*		*18.0-148*		*12/03/2024 13:27*	WG2410762

Sample Narrative:

L1803672-06 WG2410762: Sample resembles laboratory standards for Diesel and Hydraulic Oil.

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.2		1	11/25/2024 14:09	WG2408223

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Diesel Range Organics (DRO)	981		20.8	5	11/27/2024 21:30	WG2409445
Residual Range Organics (RRO)	90.6		52.0	5	11/27/2024 21:30	WG2409445
(S) o-Terphenyl	*106*		*18.0-148*		*11/27/2024 21:30*	WG2409445

Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline (C7-C12)	ND		41.6	10	12/03/2024 13:40	WG2410762
Mineral Spirits	ND		41.6	10	12/03/2024 13:40	WG2410762
Kerosene	ND		41.6	10	12/03/2024 13:40	WG2410762
Diesel (C12-C24)	1320		41.6	10	12/03/2024 13:40	WG2410762
#6 Fuel Oil	ND		41.6	10	12/03/2024 13:40	WG2410762
Hydraulic Fluid	ND		41.6	10	12/03/2024 13:40	WG2410762
Motor Oil (C24-C30)	108		104	10	12/03/2024 13:40	WG2410762
(S) o-Terphenyl	*66.7*		*18.0-148*		*12/03/2024 13:40*	WG2410762

Sample Narrative:

L1803672-07 WG2410762: Sample resembles laboratory standard for Diesel.

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.2		1	11/25/2024 14:09	WG2408223

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Diesel Range Organics (DRO)	79.9		4.12	1	11/27/2024 21:17	WG2409445
Residual Range Organics (RRO)	19.1		10.3	1	11/27/2024 21:17	WG2409445
(S) o-Terphenyl	*73.4*		*18.0-148*		*11/27/2024 21:17*	WG2409445

Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline (C7-C12)	ND		4.12	1	12/03/2024 13:15	WG2410762
Mineral Spirits	ND		4.12	1	12/03/2024 13:15	WG2410762
Kerosene	ND		4.12	1	12/03/2024 13:15	WG2410762
Diesel (C12-C24)	89.6		4.12	1	12/03/2024 13:15	WG2410762
#6 Fuel Oil	ND		4.12	1	12/03/2024 13:15	WG2410762
Hydraulic Fluid	ND		4.12	1	12/03/2024 13:15	WG2410762
Motor Oil (C24-C30)	ND		10.3	1	12/03/2024 13:15	WG2410762
(S) o-Terphenyl	*78.8*		*18.0-148*		*12/03/2024 13:15*	WG2410762

Sample Narrative:

L1803672-08 WG2410762: Sample resembles laboratory standard for Diesel.

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	11/25/2024 14:09	WG2408223

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Diesel Range Organics (DRO)	ND		4.37	1	11/27/2024 18:35	WG2409445
Residual Range Organics (RRO)	ND		10.9	1	11/27/2024 18:35	WG2409445
(S) o-Terphenyl	*69.1*		*18.0-148*		*11/27/2024 18:35*	WG2409445

Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline (C7-C12)	ND		4.37	1	12/03/2024 13:15	WG2410762
Mineral Spirits	ND		4.37	1	12/03/2024 13:15	WG2410762
Kerosene	ND		4.37	1	12/03/2024 13:15	WG2410762
Diesel (C12-C24)	ND		4.37	1	12/03/2024 13:15	WG2410762
#6 Fuel Oil	ND		4.37	1	12/03/2024 13:15	WG2410762
Hydraulic Fluid	ND		4.37	1	12/03/2024 13:15	WG2410762
Motor Oil (C24-C30)	ND		10.9	1	12/03/2024 13:15	WG2410762
(S) o-Terphenyl	*67.2*		*18.0-148*		*12/03/2024 13:15*	WG2410762

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	11/26/2024 11:07	WG2408224

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Diesel Range Organics (DRO)	ND		4.30	1	11/27/2024 20:27	WG2409445
Residual Range Organics (RRO)	ND		10.7	1	11/27/2024 20:27	WG2409445
(S) o-Terphenyl	*74.5*		*18.0-148*		*11/27/2024 20:27*	WG2409445

Semi-Volatile Organic Compounds (GC) by Method NWTPH-HCID

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline (C7-C12)	ND		4.30	1	12/02/2024 22:49	WG2410762
Mineral Spirits	ND		4.30	1	12/02/2024 22:49	WG2410762
Kerosene	ND		4.30	1	12/02/2024 22:49	WG2410762
Diesel (C12-C24)	ND		4.30	1	12/02/2024 22:49	WG2410762
#6 Fuel Oil	ND		4.30	1	12/02/2024 22:49	WG2410762
Hydraulic Fluid	ND		4.30	1	12/02/2024 22:49	WG2410762
Motor Oil (C24-C30)	ND		10.7	1	12/02/2024 22:49	WG2410762
(S) o-Terphenyl	*73.7*		*18.0-148*		*12/02/2024 22:49*	WG2410762

Method Blank (MB)

(MB) R4150635-1 11/25/24 14:09

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

L1803672-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1803672-03 11/25/24 14:09 • (DUP) R4150635-3 11/25/24 14:09

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	97.6	97.3	1	0.281		10

Laboratory Control Sample (LCS)

(LCS) R4150635-2 11/25/24 14:09

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

Method Blank (MB)

(MB) R4151188-1 11/26/24 11:07

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

L1803472-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1803472-21 11/26/24 11:07 • (DUP) R4151188-3 11/26/24 11:07

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	78.4	77.8	1	0.717		10

Laboratory Control Sample (LCS)

(LCS) R4151188-2 11/26/24 11:07

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

Method Blank (MB)

(MB) R4151939-1 11/27/24 18:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	*89.6*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4151939-2 11/27/24 18:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	40.3	80.6	50.0-150	
(S) o-Terphenyl			*81.8*	*18.0-148*	

L1803672-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1803672-01 11/27/24 19:00 • (MS) R4151939-3 11/27/24 19:12 • (MSD) R4151939-4 11/27/24 19:25

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 %
Diesel Range Organics (DRO)	60.4	ND	75.4	36.3	121	56.1	1	50.0-150		J3	69.9	20
(S) o-Terphenyl					*77.4*	*59.9*		*18.0-148*				

Method Blank (MB)

(MB) R4151938-1 11/27/24 23:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline (C7-C12)	U		1.33	4.00
Mineral Spirits	U		1.33	4.00
Kerosene	U		1.33	4.00
Diesel (C12-C24)	U		1.33	4.00
#6 Fuel Oil	U		1.33	4.00
Hydraulic Fluid	U		1.33	4.00
Motor Oil (C24-C30)	U		3.33	10.0
(S) o-Terphenyl	*77.3*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4151938-2 11/27/24 23:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel (C12-C24)	50.0	39.9	79.8	50.0-150	
(S) o-Terphenyl			*79.4*	*18.0-148*	

L1803661-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1803661-03 11/27/24 23:34 • (MS) R4151938-3 11/27/24 23:47 • (MSD) R4151938-4 11/27/24 23:59

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 %
Diesel (C12-C24)	68.7	ND	52.9	44.1	77.0	64.1	1	50.0-150			18.3	20
(S) o-Terphenyl					*76.6*	*63.4*		*18.0-148*				

Method Blank (MB)

(MB) R4152878-1 12/02/24 20:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline (C7-C12)	U		1.33	4.00
Mineral Spirits	U		1.33	4.00
Kerosene	U		1.33	4.00
Diesel (C12-C24)	U		1.33	4.00
#6 Fuel Oil	U		1.33	4.00
Hydraulic Fluid	U		1.33	4.00
Motor Oil (C24-C30)	U		3.33	10.0
(S) o-Terphenyl	*81.1*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4152878-2 12/02/24 20:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel (C12-C24)	50.0	46.9	93.8	50.0-150	
(S) o-Terphenyl			*88.3*	*18.0-148*	

L1803678-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1803678-03 12/02/24 20:58 • (MS) R4152878-3 12/02/24 21:10 • (MSD) R4152878-4 12/02/24 21:23

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Diesel (C12-C24)	52.7	ND	44.7	47.2	84.8	88.8	1	50.0-150			5.41	20
(S) o-Terphenyl					*148*	*159*		*18.0-148*		J1		

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
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Chain of Custody Page 1 of 1

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1803672

H231

Acctnum: MSBAHROR

Template: T263973

Prelogin: P1114429

PM: 841 - Kelly Mercer

PB: LM 11/13/24

Shipped Via: FedEX Ground

Company Name/Address:
Martin S. Burck Assoc.-Hood River, OR

200 N. Wasco Ct.
Hood River, OR 97031

Billing Information:
Accounts Payable
200 N. Wasco Ct.
Hood River, OR 97031

Pres Chk

Report to: Jon White

Email To: jwhite@msbaenvironmental.com;msba@msbae

Project Description: Hattenhauer - 2nd St Market - The Dalles

City/State Collected: The Dalles, OR

Please Circle: PT MT CT ET

Phone: 541-387-4422

Client Project # Hattenhauer - The Dalles

Lab Project # MSBAHROR-WHITE

Collected by (print): Jon White

Site/Facility ID # Hattenhauer - The Dalles

P.O. # Hattenhauer - The Dalles

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ✓ 4 day rush

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HCID 1L-Amb-Add HCl	HCID, NWTPHDX 8ozClr-NoPres	NWTPHDXLVINOSGT 40mlAmb-HCl-BT	NWTPHGX 40mlAmb HCl	NWTPHGX 40mlAmb/MeOH10ml/Syr	PAHSIMLVI 40mlAmb-NoPres-WT	V8260 40mlAmb-HCl	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
B1-10	Grab	SS	10'	11/21/24	1442	3		X								-01
B2-10	Grab	SS	10'	11/21/24	1537	3		X								-02
B3-10	Grab	SS	10'	11/21/24	1652	3		X								-03
B4-10	Grab	SS	10'	11/21/24	1635	3		X								-04
HA1-3.5	Grab	SS	3.5'	11/21/24	1209	3		X								-05
HA2-3.5	Grab	SS	3.5'	11/21/24	1334	3		X								-06
HA3-1	Grab	SS	1'	11/21/24	1147	3		X								-07
HA3-3.5	Grab	SS	3.5'	11/21/24	1246	3		X								-08
HA4-3.5	Grab	SS	3.5'	11/21/24	1129	3		X								-09
HA5-3.5	Grab	SS	3.5'	11/21/24	1004	3		X								-10

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

Remarks: 4-day Rush!

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 4041 0494 3366

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	11/22/24	1315	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			(14)

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

Temp: T 1.4 °C Bottles Received: 30

0.3 + 0 = 0.3 MM 11/22

Date: 0.3 Time: 900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

ANALYTICAL REPORT

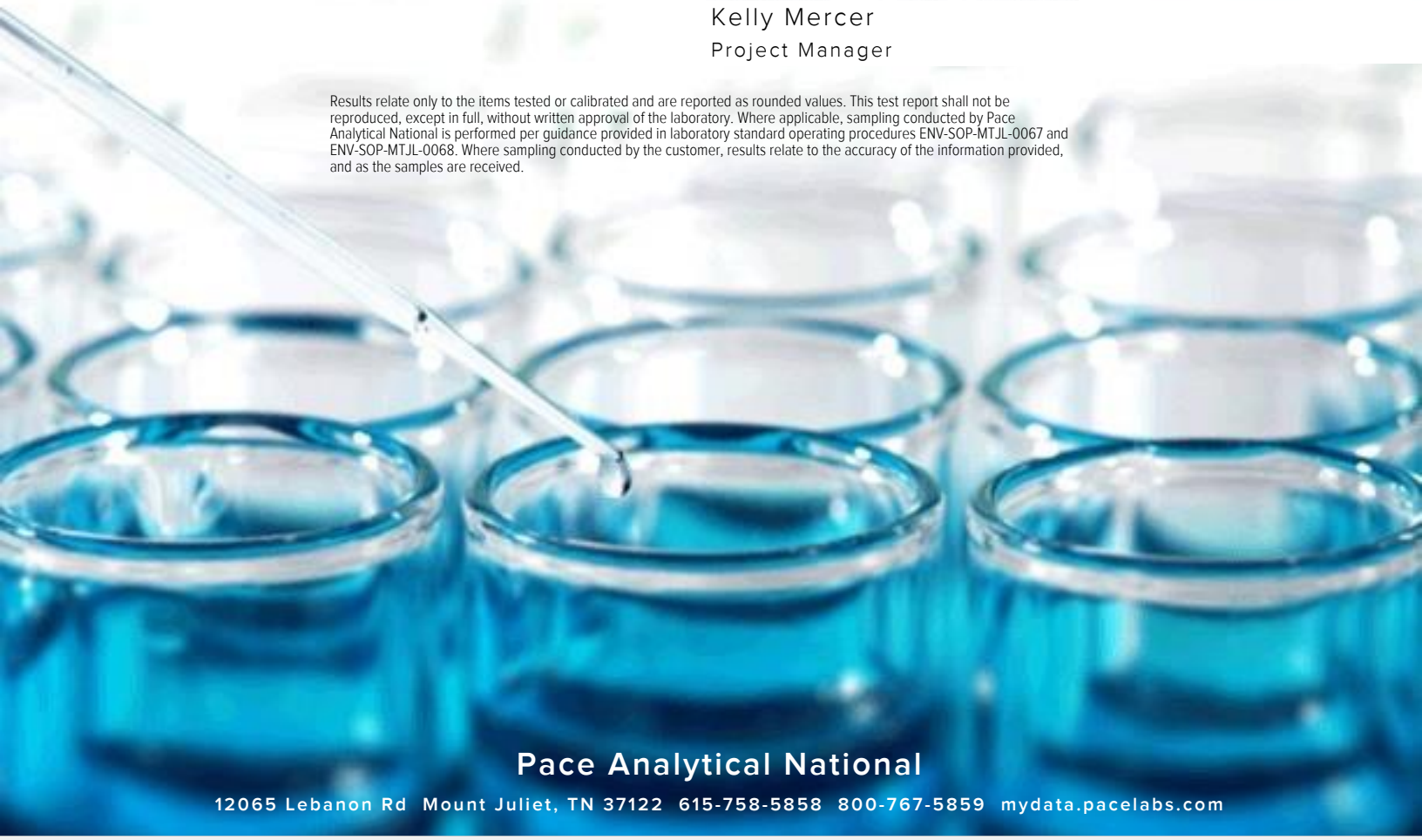
December 18, 2024

Martin S. Burck Assoc.-Hood River, OR

Sample Delivery Group:	L1806223
Samples Received:	11/23/2024
Project Number:	HATTENHAUER - THE DA
Description:	Hattenhauer - 2nd St Market - The Dalles
Site:	HATTENHAUER - THE DALLESS
Report To:	Jon White 200 N. Wasco Ct. Hood River, OR 97031

Entire Report Reviewed By:

Kelly Mercer
Project Manager



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

TABLE OF CONTENTS

Cp: Cover Page 1

Tc: Table of Contents 2

Ss: Sample Summary 3

Cn: Case Narrative 4

Sr: Sample Results 5

B1-10 L1806223-01 5

B4-10 L1806223-02 7

HA3-1 L1806223-03 10

Qc: Quality Control Summary 12

Total Solids by Method 2540 G-2011 12

Metals (ICP) by Method 6010D 13

Volatile Organic Compounds (GC) by Method NWTPHGX 14

Volatile Organic Compounds (GC/MS) by Method 8260D 16

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM 24

Gl: Glossary of Terms 26

Al: Accreditations & Locations 27

Sc: Sample Chain of Custody 28

B1-10 L1806223-01 Solid

Collected by: Jon White | Collected date/time: 11/21/24 14:42 | Received date/time: 11/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2408223	1	11/25/24 14:04	11/25/24 14:09	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2415180	25	11/21/24 14:42	12/09/24 01:25	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2414950	1	11/21/24 14:42	12/08/24 14:36	DWR	Mt. Juliet, TN

B4-10 L1806223-02 Solid

Collected by: Jon White | Collected date/time: 11/21/24 16:35 | Received date/time: 11/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2408223	1	11/25/24 14:04	11/25/24 14:09	JAV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2419762	1	12/17/24 09:20	12/17/24 16:11	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2415180	500	11/21/24 16:35	12/09/24 01:45	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2414950	40	11/21/24 16:35	12/08/24 14:55	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2414016	1	12/06/24 08:03	12/08/24 21:39	CLG	Mt. Juliet, TN

HA3-1 L1806223-03 Solid

Collected by: Jon White | Collected date/time: 11/21/24 11:47 | Received date/time: 11/23/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2408223	1	11/25/24 14:04	11/25/24 14:09	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2416126	100	11/21/24 11:47	12/11/24 05:43	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2416698	1	11/21/24 11:47	12/11/24 13:58	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2414016	1	12/06/24 08:03	12/08/24 21:56	JCH	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.

Kelly Mercer
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.4		1	11/25/2024 14:09	WG2408223

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND	T8	3.90	25	12/09/2024 01:25	WG2415180
(S) a,a,a-Trifluorotoluene(FID)	*94.8*		*77.0-120*		*12/09/2024 01:25*	WG2415180

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3 T8	0.0781	1	12/08/2024 14:36	WG2414950
Acrylonitrile	ND	T8	0.0195	1	12/08/2024 14:36	WG2414950
Benzene	ND	T8	0.00156	1	12/08/2024 14:36	WG2414950
Bromobenzene	ND	T8	0.0195	1	12/08/2024 14:36	WG2414950
Bromodichloromethane	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
Bromoform	ND	T8	0.0390	1	12/08/2024 14:36	WG2414950
Bromomethane	ND	C3 T8	0.0195	1	12/08/2024 14:36	WG2414950
n-Butylbenzene	ND	T8	0.0195	1	12/08/2024 14:36	WG2414950
sec-Butylbenzene	ND	T8	0.0195	1	12/08/2024 14:36	WG2414950
tert-Butylbenzene	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
Carbon disulfide	ND	C3 T8	0.0195	1	12/08/2024 14:36	WG2414950
Carbon tetrachloride	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
Chlorobenzene	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
Chlorodibromomethane	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
Chloroethane	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
Chloroform	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
Chloromethane	ND	T8	0.0195	1	12/08/2024 14:36	WG2414950
2-Chlorotoluene	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
4-Chlorotoluene	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
1,2-Dibromo-3-Chloropropane	ND	T8	0.0390	1	12/08/2024 14:36	WG2414950
1,2-Dibromoethane	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
Dibromomethane	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
1,2-Dichlorobenzene	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
1,3-Dichlorobenzene	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
1,4-Dichlorobenzene	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
Dichlorodifluoromethane	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
1,1-Dichloroethane	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
1,2-Dichloroethane	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
1,1-Dichloroethene	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
cis-1,2-Dichloroethene	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
trans-1,2-Dichloroethene	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
1,2-Dichloropropane	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
1,1-Dichloropropene	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
1,3-Dichloropropane	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
cis-1,3-Dichloropropene	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
trans-1,3-Dichloropropene	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
2,2-Dichloropropane	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
Di-isopropyl ether	ND	T8	0.00156	1	12/08/2024 14:36	WG2414950
Ethylbenzene	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
Hexachloro-1,3-butadiene	ND	J3 T8	0.0390	1	12/08/2024 14:36	WG2414950
Isopropylbenzene	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
p-Isopropyltoluene	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
2-Butanone (MEK)	ND	J3 T8	0.156	1	12/08/2024 14:36	WG2414950
Methylene Chloride	ND	T8	0.0390	1	12/08/2024 14:36	WG2414950

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

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND	T8	0.0390	1	12/08/2024 14:36	WG2414950
Methyl tert-butyl ether	ND	T8	0.00156	1	12/08/2024 14:36	WG2414950
Naphthalene	ND	T8	0.0195	1	12/08/2024 14:36	WG2414950
n-Propylbenzene	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
Styrene	ND	T8	0.0195	1	12/08/2024 14:36	WG2414950
1,1,1,2-Tetrachloroethane	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
1,1,2,2-Tetrachloroethane	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
1,1,2-Trichlorotrifluoroethane	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
Tetrachloroethene	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
Toluene	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
1,2,3-Trichlorobenzene	ND	T8	0.0195	1	12/08/2024 14:36	WG2414950
1,2,4-Trichlorobenzene	ND	T8	0.0195	1	12/08/2024 14:36	WG2414950
1,1,1-Trichloroethane	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
1,1,2-Trichloroethane	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
Trichloroethene	ND	T8	0.00156	1	12/08/2024 14:36	WG2414950
Trichlorofluoromethane	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
1,2,3-Trichloropropane	ND	T8	0.0195	1	12/08/2024 14:36	WG2414950
1,2,4-Trimethylbenzene	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
1,2,3-Trimethylbenzene	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
1,3,5-Trimethylbenzene	ND	T8	0.00781	1	12/08/2024 14:36	WG2414950
Vinyl chloride	ND	T8	0.00390	1	12/08/2024 14:36	WG2414950
Xylenes, Total	ND	T8	0.0102	1	12/08/2024 14:36	WG2414950
(S) Toluene-d8	*101*		*75.0-131*		*12/08/2024 14:36*	WG2414950
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*12/08/2024 14:36*	WG2414950
(S) 1,2-Dichloroethane-d4	*99.2*		*70.0-130*		*12/08/2024 14:36*	WG2414950

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	70.6		1	11/25/2024 14:09	WG2408223

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Lead	14.2		0.709	1	12/17/2024 16:11	WG2419762

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	619	T8	94.6	500	12/09/2024 01:45	WG2415180
(S) a,a,a-Trifluorotoluene(FID)	*94.3*		*77.0-120*		*12/09/2024 01:45*	WG2415180

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	C3 T8	3.78	40	12/08/2024 14:55	WG2414950
Acrylonitrile	ND	T8	0.946	40	12/08/2024 14:55	WG2414950
Benzene	ND	T8	0.0757	40	12/08/2024 14:55	WG2414950
Bromobenzene	ND	T8	0.946	40	12/08/2024 14:55	WG2414950
Bromodichloromethane	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
Bromoform	ND	T8	1.89	40	12/08/2024 14:55	WG2414950
Bromomethane	ND	C3 T8	0.946	40	12/08/2024 14:55	WG2414950
n-Butylbenzene	1.47	T8	0.946	40	12/08/2024 14:55	WG2414950
sec-Butylbenzene	3.95	T8	0.946	40	12/08/2024 14:55	WG2414950
tert-Butylbenzene	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
Carbon disulfide	ND	C3 T8	0.946	40	12/08/2024 14:55	WG2414950
Carbon tetrachloride	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
Chlorobenzene	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
Chlorodibromomethane	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
Chloroethane	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
Chloroform	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
Chloromethane	ND	T8	0.946	40	12/08/2024 14:55	WG2414950
2-Chlorotoluene	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
4-Chlorotoluene	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
1,2-Dibromo-3-Chloropropane	ND	T8	1.89	40	12/08/2024 14:55	WG2414950
1,2-Dibromoethane	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
Dibromomethane	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
1,2-Dichlorobenzene	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
1,3-Dichlorobenzene	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
1,4-Dichlorobenzene	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
Dichlorodifluoromethane	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
1,1-Dichloroethane	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
1,2-Dichloroethane	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
1,1-Dichloroethene	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
cis-1,2-Dichloroethene	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
trans-1,2-Dichloroethene	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
1,2-Dichloropropane	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
1,1-Dichloropropene	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
1,3-Dichloropropane	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
cis-1,3-Dichloropropene	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
trans-1,3-Dichloropropene	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
2,2-Dichloropropane	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
Di-isopropyl ether	ND	T8	0.0757	40	12/08/2024 14:55	WG2414950

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ethylbenzene	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
Hexachloro-1,3-butadiene	ND	J3 T8	1.89	40	12/08/2024 14:55	WG2414950
Isopropylbenzene	3.41	T8	0.189	40	12/08/2024 14:55	WG2414950
p-Isopropyltoluene	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
2-Butanone (MEK)	ND	J3 T8	7.57	40	12/08/2024 14:55	WG2414950
Methylene Chloride	ND	T8	1.89	40	12/08/2024 14:55	WG2414950
4-Methyl-2-pentanone (MIBK)	5.20	T8	1.89	40	12/08/2024 14:55	WG2414950
Methyl tert-butyl ether	ND	T8	0.0757	40	12/08/2024 14:55	WG2414950
Naphthalene	ND	T8	0.946	40	12/08/2024 14:55	WG2414950
n-Propylbenzene	13.2	T8	0.378	40	12/08/2024 14:55	WG2414950
Styrene	ND	T8	0.946	40	12/08/2024 14:55	WG2414950
1,1,1,2-Tetrachloroethane	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
1,1,2,2-Tetrachloroethane	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
1,1,2-Trichlorotrifluoroethane	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
Tetrachloroethene	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
Toluene	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
1,2,3-Trichlorobenzene	ND	T8	0.946	40	12/08/2024 14:55	WG2414950
1,2,4-Trichlorobenzene	ND	T8	0.946	40	12/08/2024 14:55	WG2414950
1,1,1-Trichloroethane	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
1,1,2-Trichloroethane	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
Trichloroethene	ND	T8	0.0757	40	12/08/2024 14:55	WG2414950
Trichlorofluoromethane	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
1,2,3-Trichloropropane	ND	T8	0.946	40	12/08/2024 14:55	WG2414950
1,2,4-Trimethylbenzene	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
1,2,3-Trimethylbenzene	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
1,3,5-Trimethylbenzene	ND	T8	0.378	40	12/08/2024 14:55	WG2414950
Vinyl chloride	ND	T8	0.189	40	12/08/2024 14:55	WG2414950
Xylenes, Total	ND	T8	0.492	40	12/08/2024 14:55	WG2414950
(S) Toluene-d8	*103*		*75.0-131*		*12/08/2024 14:55*	WG2414950
(S) 4-Bromofluorobenzene	*110*		*67.0-138*		*12/08/2024 14:55*	WG2414950
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*12/08/2024 14:55*	WG2414950

Sample Narrative:

L1806223-02 WG2414950: Non-target compounds too high to run at a lower dilution.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND	T8	0.00850	1	12/08/2024 21:39	WG2414016
Acenaphthene	ND	T8	0.00850	1	12/08/2024 21:39	WG2414016
Acenaphthylene	ND	T8	0.00850	1	12/08/2024 21:39	WG2414016
Benzo(a)anthracene	ND	T8	0.00850	1	12/08/2024 21:39	WG2414016
Benzo(a)pyrene	ND	T8	0.00850	1	12/08/2024 21:39	WG2414016
Benzo(b)fluoranthene	ND	T8	0.00850	1	12/08/2024 21:39	WG2414016
Benzo(g,h,i)perylene	ND	T8	0.00850	1	12/08/2024 21:39	WG2414016
Benzo(k)fluoranthene	ND	T8	0.00850	1	12/08/2024 21:39	WG2414016
Chrysene	ND	T8	0.00850	1	12/08/2024 21:39	WG2414016
Dibenz(a,h)anthracene	ND	T8	0.00850	1	12/08/2024 21:39	WG2414016
Fluoranthene	ND	T8	0.00850	1	12/08/2024 21:39	WG2414016
Fluorene	0.00887	T8	0.00850	1	12/08/2024 21:39	WG2414016
Indeno(1,2,3-cd)pyrene	ND	T8	0.00850	1	12/08/2024 21:39	WG2414016
Naphthalene	0.0407	T8	0.0283	1	12/08/2024 21:39	WG2414016
Phenanthrene	0.0122	T8	0.00850	1	12/08/2024 21:39	WG2414016
Pyrene	ND	T8	0.00850	1	12/08/2024 21:39	WG2414016
1-Methylnaphthalene	0.0377	T8	0.0283	1	12/08/2024 21:39	WG2414016
2-Methylnaphthalene	ND	T8	0.0283	1	12/08/2024 21:39	WG2414016

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND	T8	0.0283	1	12/08/2024 21:39	WG2414016
(S) p-Terphenyl-d14	*78.9*		*23.0-120*		*12/08/2024 21:39*	WG2414016
(S) Nitrobenzene-d5	*78.6*		*14.0-149*		*12/08/2024 21:39*	WG2414016
(S) 2-Fluorobiphenyl	*76.4*		*34.0-125*		*12/08/2024 21:39*	WG2414016

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.2		1	11/25/2024 14:09	WG2408223

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	50.0		10.8	100	12/11/2024 05:43	WG2416126
(S) a,a,a-Trifluorotoluene(FID)	*93.3*		*77.0-120*		*12/11/2024 05:43*	WG2416126

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

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND	T8	0.0539	1	12/11/2024 13:58	WG2416698
Acrylonitrile	ND	T8	0.0135	1	12/11/2024 13:58	WG2416698
Benzene	ND	T8	0.00108	1	12/11/2024 13:58	WG2416698
Bromobenzene	ND	T8	0.0135	1	12/11/2024 13:58	WG2416698
Bromodichloromethane	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
Bromoform	ND	C3 T8	0.0270	1	12/11/2024 13:58	WG2416698
Bromomethane	ND	T8	0.0135	1	12/11/2024 13:58	WG2416698
n-Butylbenzene	ND	T8	0.0135	1	12/11/2024 13:58	WG2416698
sec-Butylbenzene	ND	T8	0.0135	1	12/11/2024 13:58	WG2416698
tert-Butylbenzene	ND	T8	0.00539	1	12/11/2024 13:58	WG2416698
Carbon disulfide	ND	T8	0.0135	1	12/11/2024 13:58	WG2416698
Carbon tetrachloride	ND	T8	0.00539	1	12/11/2024 13:58	WG2416698
Chlorobenzene	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
Chlorodibromomethane	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
Chloroethane	ND	T8	0.00539	1	12/11/2024 13:58	WG2416698
Chloroform	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
Chloromethane	ND	T8	0.0135	1	12/11/2024 13:58	WG2416698
2-Chlorotoluene	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
4-Chlorotoluene	ND	T8	0.00539	1	12/11/2024 13:58	WG2416698
1,2-Dibromo-3-Chloropropane	ND	C3 T8	0.0270	1	12/11/2024 13:58	WG2416698
1,2-Dibromoethane	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
Dibromomethane	ND	T8	0.00539	1	12/11/2024 13:58	WG2416698
1,2-Dichlorobenzene	ND	T8	0.00539	1	12/11/2024 13:58	WG2416698
1,3-Dichlorobenzene	ND	T8	0.00539	1	12/11/2024 13:58	WG2416698
1,4-Dichlorobenzene	ND	T8	0.00539	1	12/11/2024 13:58	WG2416698
Dichlorodifluoromethane	ND	T8	0.00539	1	12/11/2024 13:58	WG2416698
1,1-Dichloroethane	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
1,2-Dichloroethane	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
1,1-Dichloroethene	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
cis-1,2-Dichloroethene	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
trans-1,2-Dichloroethene	ND	T8	0.00539	1	12/11/2024 13:58	WG2416698
1,2-Dichloropropane	ND	T8	0.00539	1	12/11/2024 13:58	WG2416698
1,1-Dichloropropene	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
1,3-Dichloropropane	ND	T8	0.00539	1	12/11/2024 13:58	WG2416698
cis-1,3-Dichloropropene	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
trans-1,3-Dichloropropene	ND	T8	0.00539	1	12/11/2024 13:58	WG2416698
2,2-Dichloropropane	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
Di-isopropyl ether	ND	T8	0.00108	1	12/11/2024 13:58	WG2416698
Ethylbenzene	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
Hexachloro-1,3-butadiene	ND	T8	0.0270	1	12/11/2024 13:58	WG2416698
Isopropylbenzene	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
p-Isopropyltoluene	ND	T8	0.00539	1	12/11/2024 13:58	WG2416698
2-Butanone (MEK)	ND	T8	0.108	1	12/11/2024 13:58	WG2416698
Methylene Chloride	ND	T8	0.0270	1	12/11/2024 13:58	WG2416698

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

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND	T8	0.0270	1	12/11/2024 13:58	WG2416698
Methyl tert-butyl ether	ND	T8	0.00108	1	12/11/2024 13:58	WG2416698
Naphthalene	ND	T8	0.0135	1	12/11/2024 13:58	WG2416698
n-Propylbenzene	ND	T8	0.00539	1	12/11/2024 13:58	WG2416698
Styrene	ND	T8	0.0135	1	12/11/2024 13:58	WG2416698
1,1,1,2-Tetrachloroethane	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
1,1,2,2-Tetrachloroethane	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
1,1,2-Trichlorotrifluoroethane	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
Tetrachloroethene	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
Toluene	ND	T8	0.00539	1	12/11/2024 13:58	WG2416698
1,2,3-Trichlorobenzene	ND	T8	0.0135	1	12/11/2024 13:58	WG2416698
1,2,4-Trichlorobenzene	ND	T8	0.0135	1	12/11/2024 13:58	WG2416698
1,1,1-Trichloroethane	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
1,1,2-Trichloroethane	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
Trichloroethene	ND	T8	0.00108	1	12/11/2024 13:58	WG2416698
Trichlorofluoromethane	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
1,2,3-Trichloropropane	ND	T8	0.0135	1	12/11/2024 13:58	WG2416698
1,2,4-Trimethylbenzene	ND	T8	0.00539	1	12/11/2024 13:58	WG2416698
1,2,3-Trimethylbenzene	0.0285	T8	0.00539	1	12/11/2024 13:58	WG2416698
1,3,5-Trimethylbenzene	0.0102	T8	0.00539	1	12/11/2024 13:58	WG2416698
Vinyl chloride	ND	T8	0.00270	1	12/11/2024 13:58	WG2416698
Xylenes, Total	ND	T8	0.00701	1	12/11/2024 13:58	WG2416698
(S) Toluene-d8	*103*		*75.0-131*		*12/11/2024 13:58*	WG2416698
(S) 4-Bromofluorobenzene	*107*		*67.0-138*		*12/11/2024 13:58*	WG2416698
(S) 1,2-Dichloroethane-d4	*91.3*		*70.0-130*		*12/11/2024 13:58*	WG2416698

Sample Narrative:

L1806223-03 WG2416698: Non-target compounds too high to run at a lower dilution.

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND	T8	0.00623	1	12/08/2024 21:56	WG2414016
Acenaphthene	ND	T8	0.00623	1	12/08/2024 21:56	WG2414016
Acenaphthylene	ND	T8	0.00623	1	12/08/2024 21:56	WG2414016
Benzo(a)anthracene	ND	T8	0.00623	1	12/08/2024 21:56	WG2414016
Benzo(a)pyrene	ND	T8	0.00623	1	12/08/2024 21:56	WG2414016
Benzo(b)fluoranthene	ND	T8	0.00623	1	12/08/2024 21:56	WG2414016
Benzo(g,h,i)perylene	ND	T8	0.00623	1	12/08/2024 21:56	WG2414016
Benzo(k)fluoranthene	ND	T8	0.00623	1	12/08/2024 21:56	WG2414016
Chrysene	ND	T8	0.00623	1	12/08/2024 21:56	WG2414016
Dibenz(a,h)anthracene	ND	T8	0.00623	1	12/08/2024 21:56	WG2414016
Fluoranthene	ND	T8	0.00623	1	12/08/2024 21:56	WG2414016
Fluorene	ND	T8	0.00623	1	12/08/2024 21:56	WG2414016
Indeno(1,2,3-cd)pyrene	ND	T8	0.00623	1	12/08/2024 21:56	WG2414016
Naphthalene	ND	T8	0.0208	1	12/08/2024 21:56	WG2414016
Phenanthrene	ND	T8	0.00623	1	12/08/2024 21:56	WG2414016
Pyrene	0.0703	T8	0.00623	1	12/08/2024 21:56	WG2414016
1-Methylnaphthalene	ND	T8	0.0208	1	12/08/2024 21:56	WG2414016
2-Methylnaphthalene	ND	T8	0.0208	1	12/08/2024 21:56	WG2414016
2-Chloronaphthalene	ND	T8	0.0208	1	12/08/2024 21:56	WG2414016
(S) p-Terphenyl-d14	*74.8*		*23.0-120*		*12/08/2024 21:56*	WG2414016
(S) Nitrobenzene-d5	*82.7*		*14.0-149*		*12/08/2024 21:56*	WG2414016
(S) 2-Fluorobiphenyl	*70.1*		*34.0-125*		*12/08/2024 21:56*	WG2414016

Method Blank (MB)

(MB) R4150635-1 11/25/24 14:09

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

L1803672-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1803672-03 11/25/24 14:09 • (DUP) R4150635-3 11/25/24 14:09

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	97.6	97.3	1	0.281		10

Laboratory Control Sample (LCS)

(LCS) R4150635-2 11/25/24 14:09

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

Method Blank (MB)

(MB) R4158883-1 12/17/24 15:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Lead	U		0.208	0.500

Laboratory Control Sample (LCS)

(LCS) R4158883-2 12/17/24 15:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	98.6	98.6	80.0-120	

L1806215-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1806215-05 12/17/24 15:59 • (MS) R4158883-5 12/17/24 16:04 • (MSD) R4158883-6 12/17/24 16:06

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	108	38.1	152	145	105	99.1	1	75.0-125			4.48	20

Method Blank (MB)

(MB) R4155810-3 12/08/24 17:34

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	0.900	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	*93.6*			*77.0-120*

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

(LCS) R4155810-1 12/08/24 16:17 • (LCSD) R4155810-2 12/08/24 16:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.00	4.92	4.88	98.4	97.6	71.0-124			0.816	20
(S) a,a,a-Trifluorotoluene(FID)				*106*	*106*	*77.0-120*				

L1805788-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1805788-02 12/09/24 01:06 • (MS) R4155810-4 12/09/24 02:24 • (MSD) R4155810-5 12/09/24 02:43

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 %
Gasoline Range Organics-NWTPH	124	ND	121	129	97.1	103	25	50.0-150			6.32	27
(S) a,a,a-Trifluorotoluene(FID)					*105*	*107*		*77.0-120*				

Method Blank (MB)

(MB) R4156546-2 12/11/24 00:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*

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

(LCS) R4156546-1 12/10/24 21:37 • (LCSD) R4156546-3 12/11/24 00:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.00	4.91	5.68	98.2	114	71.0-124			14.5	20
(S) a,a,a-Trifluorotoluene(FID)				*106*	*109*	*77.0-120*				

Method Blank (MB)

(MB) R4156288-3 12/08/24 07:39

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 disulfide	U		0.000700	0.0125
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250

Method Blank (MB)

(MB) R4156288-3 12/08/24 07:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Isopropylbenzene	U		0.000425	0.00250
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	*103*			*75.0-131*
(S) 4-Bromofluorobenzene	*105*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*95.5*			*70.0-130*

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

(LCS) R4156288-1 12/08/24 06:05 • (LCSD) R4156288-2 12/08/24 06:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.417	0.484	66.7	77.4	10.0-160			14.9	31
Acrylonitrile	0.625	0.670	0.597	107	95.5	45.0-153			11.5	22
Benzene	0.125	0.110	0.120	88.0	96.0	70.0-123			8.70	20
Bromobenzene	0.125	0.116	0.122	92.8	97.6	73.0-121			5.04	20

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

(LCS) R4156288-1 12/08/24 06:05 • (LCSD) R4156288-2 12/08/24 06:24

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 %
Bromodichloromethane	0.125	0.113	0.121	90.4	96.8	73.0-121			6.84	20
Bromoform	0.125	0.109	0.112	87.2	89.6	64.0-132			2.71	20
Bromomethane	0.125	0.0959	0.111	76.7	88.8	56.0-147			14.6	20
n-Butylbenzene	0.125	0.103	0.122	82.4	97.6	68.0-135			16.9	20
sec-Butylbenzene	0.125	0.111	0.127	88.8	102	74.0-130			13.4	20
tert-Butylbenzene	0.125	0.114	0.131	91.2	105	75.0-127			13.9	20
Carbon disulfide	0.125	0.0905	0.102	72.4	81.6	56.0-133			11.9	20
Carbon tetrachloride	0.125	0.112	0.124	89.6	99.2	66.0-128			10.2	20
Chlorobenzene	0.125	0.120	0.132	96.0	106	76.0-128			9.52	20
Chlorodibromomethane	0.125	0.114	0.125	91.2	100	74.0-127			9.21	20
Chloroethane	0.125	0.102	0.115	81.6	92.0	61.0-134			12.0	20
Chloroform	0.125	0.108	0.118	86.4	94.4	72.0-123			8.85	20
Chloromethane	0.125	0.135	0.152	108	122	51.0-138			11.8	20
2-Chlorotoluene	0.125	0.114	0.128	91.2	102	75.0-124			11.6	20
4-Chlorotoluene	0.125	0.109	0.123	87.2	98.4	75.0-124			12.1	20
1,2-Dibromo-3-Chloropropane	0.125	0.119	0.111	95.2	88.8	59.0-130			6.96	20
1,2-Dibromoethane	0.125	0.117	0.124	93.6	99.2	74.0-128			5.81	20
Dibromomethane	0.125	0.114	0.121	91.2	96.8	75.0-122			5.96	20
1,2-Dichlorobenzene	0.125	0.117	0.130	93.6	104	76.0-124			10.5	20
1,3-Dichlorobenzene	0.125	0.114	0.124	91.2	99.2	76.0-125			8.40	20
1,4-Dichlorobenzene	0.125	0.113	0.124	90.4	99.2	77.0-121			9.28	20
Dichlorodifluoromethane	0.125	0.128	0.142	102	114	43.0-156			10.4	20
1,1-Dichloroethane	0.125	0.112	0.123	89.6	98.4	70.0-127			9.36	20
1,2-Dichloroethane	0.125	0.108	0.112	86.4	89.6	65.0-131			3.64	20
1,1-Dichloroethene	0.125	0.107	0.119	85.6	95.2	65.0-131			10.6	20
cis-1,2-Dichloroethene	0.125	0.108	0.119	86.4	95.2	73.0-125			9.69	20
trans-1,2-Dichloroethene	0.125	0.107	0.120	85.6	96.0	71.0-125			11.5	20
1,2-Dichloropropane	0.125	0.115	0.122	92.0	97.6	74.0-125			5.91	20
1,1-Dichloropropene	0.125	0.111	0.125	88.8	100	73.0-125			11.9	20
1,3-Dichloropropane	0.125	0.117	0.125	93.6	100	80.0-125			6.61	20
cis-1,3-Dichloropropene	0.125	0.110	0.116	88.0	92.8	76.0-127			5.31	20
trans-1,3-Dichloropropene	0.125	0.113	0.125	90.4	100	73.0-127			10.1	20
2,2-Dichloropropane	0.125	0.103	0.112	82.4	89.6	59.0-135			8.37	20
Di-isopropyl ether	0.125	0.118	0.125	94.4	100	60.0-136			5.76	20
Ethylbenzene	0.125	0.121	0.136	96.8	109	74.0-126			11.7	20
Hexachloro-1,3-butadiene	0.125	0.100	0.133	80.0	106	57.0-150		J3	28.3	20
Isopropylbenzene	0.125	0.119	0.135	95.2	108	72.0-127			12.6	20
p-Isopropyltoluene	0.125	0.110	0.129	88.0	103	72.0-133			15.9	20
2-Butanone (MEK)	0.625	0.832	0.583	133	93.3	30.0-160		J3	35.2	24
Methylene Chloride	0.125	0.107	0.120	85.6	96.0	68.0-123			11.5	20

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

(LCS) R4156288-1 12/08/24 06:05 • (LCSD) R4156288-2 12/08/24 06:24

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 %
4-Methyl-2-pentanone (MIBK)	0.625	0.584	0.598	93.4	95.7	56.0-143			2.37	20
Methyl tert-butyl ether	0.125	0.114	0.121	91.2	96.8	66.0-132			5.96	20
Naphthalene	0.125	0.123	0.130	98.4	104	59.0-130			5.53	20
n-Propylbenzene	0.125	0.110	0.124	88.0	99.2	74.0-126			12.0	20
Styrene	0.125	0.119	0.133	95.2	106	72.0-127			11.1	20
1,1,1,2-Tetrachloroethane	0.125	0.122	0.124	97.6	99.2	74.0-129			1.63	20
1,1,2,2-Tetrachloroethane	0.125	0.118	0.114	94.4	91.2	68.0-128			3.45	20
1,1,2-Trichlorotrifluoroethane	0.125	0.114	0.127	91.2	102	61.0-139			10.8	20
Tetrachloroethene	0.125	0.117	0.136	93.6	109	70.0-136			15.0	20
Toluene	0.125	0.111	0.124	88.8	99.2	75.0-121			11.1	20
1,2,3-Trichlorobenzene	0.125	0.116	0.131	92.8	105	59.0-139			12.1	20
1,2,4-Trichlorobenzene	0.125	0.116	0.134	92.8	107	62.0-137			14.4	20
1,1,1-Trichloroethane	0.125	0.112	0.124	89.6	99.2	69.0-126			10.2	20
1,1,2-Trichloroethane	0.125	0.116	0.128	92.8	102	78.0-123			9.84	20
Trichloroethene	0.125	0.120	0.128	96.0	102	76.0-126			6.45	20
Trichlorofluoromethane	0.125	0.100	0.118	80.0	94.4	61.0-142			16.5	20
1,2,3-Trichloropropane	0.125	0.124	0.126	99.2	101	67.0-129			1.60	20
1,2,4-Trimethylbenzene	0.125	0.107	0.121	85.6	96.8	70.0-126			12.3	20
1,2,3-Trimethylbenzene	0.125	0.108	0.124	86.4	99.2	74.0-124			13.8	20
1,3,5-Trimethylbenzene	0.125	0.109	0.123	87.2	98.4	73.0-127			12.1	20
Vinyl chloride	0.125	0.103	0.118	82.4	94.4	63.0-134			13.6	20
Xylenes, Total	0.375	0.351	0.392	93.6	105	72.0-127			11.0	20
(S) Toluene-d8				*102*	*102*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*103*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*103*	*99.1*	*70.0-130*				

Method Blank (MB)

(MB) R4156716-3 12/11/24 11:19

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 disulfide	U		0.000700	0.0125
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250

Method Blank (MB)

(MB) R4156716-3 12/11/24 11:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Isopropylbenzene	U		0.000425	0.00250
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	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*85.2*			*70.0-130*

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

(LCS) R4156716-1 12/11/24 09:43 • (LCSD) R4156716-2 12/11/24 10:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.609	0.780	97.4	125	10.0-160			24.6	31
Acrylonitrile	0.625	0.589	0.715	94.2	114	45.0-153			19.3	22
Benzene	0.125	0.109	0.115	87.2	92.0	70.0-123			5.36	20
Bromobenzene	0.125	0.113	0.119	90.4	95.2	73.0-121			5.17	20

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

(LCS) R4156716-1 12/11/24 09:43 • (LCSD) R4156716-2 12/11/24 10:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	0.125	0.101	0.109	80.8	87.2	73.0-121			7.62	20
Bromoform	0.125	0.0979	0.106	78.3	84.8	64.0-132			7.95	20
Bromomethane	0.125	0.108	0.118	86.4	94.4	56.0-147			8.85	20
n-Butylbenzene	0.125	0.113	0.121	90.4	96.8	68.0-135			6.84	20
sec-Butylbenzene	0.125	0.115	0.121	92.0	96.8	74.0-130			5.08	20
tert-Butylbenzene	0.125	0.116	0.124	92.8	99.2	75.0-127			6.67	20
Carbon disulfide	0.125	0.144	0.148	115	118	56.0-133			2.74	20
Carbon tetrachloride	0.125	0.114	0.121	91.2	96.8	66.0-128			5.96	20
Chlorobenzene	0.125	0.111	0.119	88.8	95.2	76.0-128			6.96	20
Chlorodibromomethane	0.125	0.0998	0.112	79.8	89.6	74.0-127			11.5	20
Chloroethane	0.125	0.117	0.128	93.6	102	61.0-134			8.98	20
Chloroform	0.125	0.112	0.122	89.6	97.6	72.0-123			8.55	20
Chloromethane	0.125	0.138	0.146	110	117	51.0-138			5.63	20
2-Chlorotoluene	0.125	0.104	0.124	83.2	99.2	75.0-124			17.5	20
4-Chlorotoluene	0.125	0.107	0.117	85.6	93.6	75.0-124			8.93	20
1,2-Dibromo-3-Chloropropane	0.125	0.0972	0.113	77.8	90.4	59.0-130			15.0	20
1,2-Dibromoethane	0.125	0.110	0.121	88.0	96.8	74.0-128			9.52	20
Dibromomethane	0.125	0.108	0.120	86.4	96.0	75.0-122			10.5	20
1,2-Dichlorobenzene	0.125	0.110	0.119	88.0	95.2	76.0-124			7.86	20
1,3-Dichlorobenzene	0.125	0.110	0.118	88.0	94.4	76.0-125			7.02	20
1,4-Dichlorobenzene	0.125	0.108	0.119	86.4	95.2	77.0-121			9.69	20
Dichlorodifluoromethane	0.125	0.141	0.148	113	118	43.0-156			4.84	20
1,1-Dichloroethane	0.125	0.112	0.119	89.6	95.2	70.0-127			6.06	20
1,2-Dichloroethane	0.125	0.107	0.115	85.6	92.0	65.0-131			7.21	20
1,1-Dichloroethene	0.125	0.132	0.140	106	112	65.0-131			5.88	20
cis-1,2-Dichloroethene	0.125	0.113	0.119	90.4	95.2	73.0-125			5.17	20
trans-1,2-Dichloroethene	0.125	0.124	0.135	99.2	108	71.0-125			8.49	20
1,2-Dichloropropane	0.125	0.113	0.118	90.4	94.4	74.0-125			4.33	20
1,1-Dichloropropene	0.125	0.113	0.119	90.4	95.2	73.0-125			5.17	20
1,3-Dichloropropane	0.125	0.111	0.120	88.8	96.0	80.0-125			7.79	20
cis-1,3-Dichloropropene	0.125	0.110	0.117	88.0	93.6	76.0-127			6.17	20
trans-1,3-Dichloropropene	0.125	0.106	0.113	84.8	90.4	73.0-127			6.39	20
2,2-Dichloropropane	0.125	0.124	0.128	99.2	102	59.0-135			3.17	20
Di-isopropyl ether	0.125	0.112	0.120	89.6	96.0	60.0-136			6.90	20
Ethylbenzene	0.125	0.108	0.114	86.4	91.2	74.0-126			5.41	20
Hexachloro-1,3-butadiene	0.125	0.115	0.127	92.0	102	57.0-150			9.92	20
Isopropylbenzene	0.125	0.114	0.121	91.2	96.8	72.0-127			5.96	20
p-Isopropyltoluene	0.125	0.113	0.119	90.4	95.2	72.0-133			5.17	20
2-Butanone (MEK)	0.625	0.626	0.720	100	115	30.0-160			14.0	24
Methylene Chloride	0.125	0.118	0.127	94.4	102	68.0-123			7.35	20

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

(LCS) R4156716-1 12/11/24 09:43 • (LCSD) R4156716-2 12/11/24 10:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.625	0.589	0.646	94.2	103	56.0-143			9.23	20
Methyl tert-butyl ether	0.125	0.115	0.125	92.0	100	66.0-132			8.33	20
Naphthalene	0.125	0.108	0.123	86.4	98.4	59.0-130			13.0	20
n-Propylbenzene	0.125	0.112	0.117	89.6	93.6	74.0-126			4.37	20
Styrene	0.125	0.112	0.119	89.6	95.2	72.0-127			6.06	20
1,1,1,2-Tetrachloroethane	0.125	0.109	0.119	87.2	95.2	74.0-129			8.77	20
1,1,2,2-Tetrachloroethane	0.125	0.108	0.117	86.4	93.6	68.0-128			8.00	20
1,1,2-Trichlorotrifluoroethane	0.125	0.139	0.146	111	117	61.0-139			4.91	20
Tetrachloroethene	0.125	0.116	0.121	92.8	96.8	70.0-136			4.22	20
Toluene	0.125	0.112	0.119	89.6	95.2	75.0-121			6.06	20
1,2,3-Trichlorobenzene	0.125	0.109	0.123	87.2	98.4	59.0-139			12.1	20
1,2,4-Trichlorobenzene	0.125	0.120	0.131	96.0	105	62.0-137			8.76	20
1,1,1-Trichloroethane	0.125	0.115	0.118	92.0	94.4	69.0-126			2.58	20
1,1,2-Trichloroethane	0.125	0.109	0.116	87.2	92.8	78.0-123			6.22	20
Trichloroethene	0.125	0.118	0.125	94.4	100	76.0-126			5.76	20
Trichlorofluoromethane	0.125	0.112	0.112	89.6	89.6	61.0-142			0.000	20
1,2,3-Trichloropropane	0.125	0.112	0.120	89.6	96.0	67.0-129			6.90	20
1,2,4-Trimethylbenzene	0.125	0.110	0.117	88.0	93.6	70.0-126			6.17	20
1,2,3-Trimethylbenzene	0.125	0.109	0.116	87.2	92.8	74.0-124			6.22	20
1,3,5-Trimethylbenzene	0.125	0.111	0.118	88.8	94.4	73.0-127			6.11	20
Vinyl chloride	0.125	0.118	0.132	94.4	106	63.0-134			11.2	20
Xylenes, Total	0.375	0.334	0.357	89.1	95.2	72.0-127			6.66	20
(S) Toluene-d8				*102*	*101*	*75.0-131*				
(S) 4-Bromofluorobenzene				*99.5*	*99.9*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*101*	*106*	*70.0-130*				

Method Blank (MB)

(MB) R4155963-2 12/08/24 15:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) p-Terphenyl-d14	*73.1*			*23.0-120*
(S) Nitrobenzene-d5	*72.2*			*14.0-149*
(S) 2-Fluorobiphenyl	*73.3*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4155963-1 12/08/24 15:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0650	81.3	50.0-126	
Acenaphthene	0.0800	0.0646	80.7	50.0-120	
Acenaphthylene	0.0800	0.0680	85.0	50.0-120	
Benzo(a)anthracene	0.0800	0.0670	83.8	45.0-120	
Benzo(a)pyrene	0.0800	0.0593	74.1	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0698	87.3	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0640	80.0	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0655	81.9	49.0-125	
Chrysene	0.0800	0.0666	83.3	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0621	77.6	47.0-125	
Fluoranthene	0.0800	0.0659	82.4	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R4155963-1 12/08/24 15:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0697	87.1	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0607	75.9	46.0-125	
Naphthalene	0.0800	0.0664	83.0	50.0-120	
Phenanthrene	0.0800	0.0667	83.4	47.0-120	
Pyrene	0.0800	0.0654	81.8	43.0-123	
1-Methylnaphthalene	0.0800	0.0714	89.3	51.0-121	
2-Methylnaphthalene	0.0800	0.0682	85.3	50.0-120	
2-Chloronaphthalene	0.0800	0.0695	86.9	50.0-120	
(S) p-Terphenyl-d14			*78.2*	*23.0-120*	
(S) Nitrobenzene-d5			*78.7*	*14.0-149*	
(S) 2-Fluorobiphenyl			*78.7*	*34.0-125*	

L1803522-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1803522-02 12/08/24 16:10 • (MS) R4155963-3 12/08/24 16:28 • (MSD) R4155963-4 12/08/24 16:45

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 %
Anthracene	0.101	ND	0.0635	0.0601	62.9	59.6	1	10.0-145			5.42	30
Acenaphthene	0.101	ND	0.0702	0.0645	69.5	63.9	1	14.0-127			8.41	27
Acenaphthylene	0.101	ND	0.0753	0.0697	74.6	69.0	1	21.0-124			7.82	25
Benzo(a)anthracene	0.101	ND	0.0576	0.0552	57.0	54.7	1	10.0-139			4.11	30
Benzo(a)pyrene	0.101	ND	0.0549	0.0534	54.3	52.9	1	10.0-141			2.62	31
Benzo(b)fluoranthene	0.101	ND	0.0582	0.0570	57.7	56.5	1	10.0-140			2.01	36
Benzo(g,h,i)perylene	0.101	ND	0.0527	0.0510	52.2	50.5	1	10.0-140			3.23	33
Benzo(k)fluoranthene	0.101	ND	0.0564	0.0550	55.9	54.5	1	10.0-137			2.54	31
Chrysene	0.101	ND	0.0583	0.0576	57.8	57.0	1	10.0-145			1.33	30
Dibenz(a,h)anthracene	0.101	ND	0.0500	0.0492	49.5	48.7	1	10.0-132			1.56	31
Fluoranthene	0.101	ND	0.0612	0.0578	60.6	57.3	1	10.0-153			5.63	33
Fluorene	0.101	ND	0.0718	0.0679	71.2	67.2	1	11.0-130			5.71	29
Indeno(1,2,3-cd)pyrene	0.101	ND	0.0501	0.0485	49.6	48.1	1	10.0-137			3.13	32
Naphthalene	0.101	ND	0.0744	0.0699	73.7	69.3	1	10.0-135			6.24	27
Phenanthrene	0.101	ND	0.0676	0.0632	67.0	62.6	1	10.0-144			6.69	31
Pyrene	0.101	ND	0.0619	0.0578	61.4	57.3	1	10.0-148			6.88	35
1-Methylnaphthalene	0.101	ND	0.0761	0.0703	75.4	69.6	1	10.0-142			7.92	28
2-Methylnaphthalene	0.101	ND	0.0736	0.0685	73.0	67.9	1	10.0-137			7.25	28
2-Chloronaphthalene	0.101	ND	0.0765	0.0709	75.4	69.9	1	29.0-120			7.51	24
(S) p-Terphenyl-d14					*77.6*	*75.0*		*23.0-120*				
(S) Nitrobenzene-d5					*70.7*	*69.2*		*14.0-149*				
(S) 2-Fluorobiphenyl					*69.8*	*67.7*		*34.0-125*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
T8	Sample(s) received past/too close to holding time expiration.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Company Name/Address:
Martin S. Burck Assoc.-Hood River, OR

200 N. Wasco Ct.
Hood River, OR 97031

Billing Information:
Accounts Payable
200 N. Wasco Ct.
Hood River, OR 97031

Pres Chk

Report to: Jon White

Email To: jwhite@msbaenvironmental.com;msba@msbae

Project Description: Hattenhauer - 2nd St Market - The Dalles

City/State Collected: The Dalles, OR

Please Circle: (PT) MT CT ET

Phone: 541-387-4422

Client Project #: Hattenhauer - The Dalles

Lab Project #: MSBAHROR-WHITE

Collected by (print): Jon White

Site/Facility ID #: Hattenhauer - The Dalles

P.O. #: Hattenhauer - The Dalles

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ✓ 4 day rush

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HCID 1L-Amb-Add HCl	HCID, NWTPHDX 8ozClr-NoPres	NWTPHDXLVINOSGT 40mlAmb-HCl-BT	NWTPHGX 40mlAmb HCl	NWTPHGX 40mlAmb/MeOH10ml/Syr	PAHSIMLVI 40mlAmb-NoPres-WT	V8260 40mlAmb-HCl	V8260 40mlAmb/MeOH10ml/Syr			Remarks	Sample # (lab only)
B1-10	Grab	SS	10'	11/21/24	1442	3		X										-01
B2-10	Grab	SS	10'	11/21/24	1537	3		X										-02
B3-10	Grab	SS	10'	11/21/24	1652	3		X										-03
B4-10	Grab	SS	10'	11/21/24	1635	3		X										-04
HA1-3.5	Grab	SS	3.5'	11/21/24	1209	3		X										-05
HA2-3.5	Grab	SS	3.5'	11/21/24	1334	3		X										-06
HA3-1	Grab	SS	1'	11/21/24	1147	3		X										-07
HA3-3.5	Grab	SS	3.5'	11/21/24	1246	3		X										-08
HA4-3.5	Grab	SS	3.5'	11/21/24	1129	3		X										-09
HA5-3.5	Grab	SS	3.5'	11/21/24	1004	3		X										-10

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # ~~L1803672~~ H231
L1806223

Acctnum: MSBAHROR
Template: T263973
Prelogin: P1114429
PM: 841 - Kelly Mercer
PB: LL 11/13/24
Shipped Via: FedEX Ground

AV 12/5/24

-01 -02 -03

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

Remarks: 4-day Rush!

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 4041 0494 3366

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes (No) HCL / MeoH TBR	If preservation required by Login: Date/Time
	11/22/24	1315			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: TL4°C Bottles Received: 30	
				0.3+0=0.3	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) (14)	Date: 11/23/24 Time: 900	Hold: Condition: NCF (OK)

L1803672 relog

R2/R3/R4/RX/EX

Please relog the following for L1803672:

-01: NWTPHDXLVINOSGT, NWTPHGX, V8260
-04: NWTPHDXLVINOSGT, NWTPHGX, V8260, PAHSIMLVI, PBICP
-07: NWTPHDXLVINOSGT, NWTPHGX, V8260, PAHSIMLVI
-06, 08, -09: NWTPHDXLVINOSGT

Time estimate: oh **Time spent:** oh

Members

KM Kelly Mercer