

**August 2025
Monthly Progress Update
Former Circle K 1461, Seattle, WA**

Purpose.

To provide monthly progress updates under Contract: C2400059 to the State of Washington, Department of Ecology on work progress, upcoming activities, schedule updates, and deliverable status.

This Monthly Progress Update Report for the period covering 01 August 2025 through 31 August 2025 for the Former Circle K 1461 Site in Seattle, WA.

Summary of operations, monitoring, and maintenance activities performed during the reporting period.

- ERRG continued operation, monitoring, and maintenance of the system under Phase 1 conditions.
- ERRG performed monitoring and sampling as follows:
 - Task 3, Subtask 3B – monthly vapor monitoring of vapor treatment system for VOCs using PID on August 1, 2025, August 8, 2025, August 15, 2025, August 22, 2025, and August 28, 2025.
 - Task 3, Subtask 3B – quarterly vapor monitoring of SSD wells and vapor pins for VOCs and additional gases using PID and 4-gas on August 1, 2025.
 - Task 3, Subtask 3B – quarterly vapor sampling of vapor treatment system for VOCs using Summa canisters on August 22, 2025.
 - Task 3, Subtask 3B – monthly vapor monitoring of active extraction wells for VOCs using PID on August 22, 2025.
 - Task 3, Subtask 3B – as-needed vapor sampling of SSD wells and vapor pins for VOCs using Summa canisters on August 22, 2025.
 - Task 3, Subtask 3C – monthly water treatment sampling performed at midpoint of liquid GAC vessel trains for BTEX on August 1, 2025.
 - Task 3, Subtask 3C – quarterly water treatment sampling performed at influent, midpoint, and effluent of liquid GAC vessel trains for BTEX, GRO, FOG, and select CVOCs on August 22, 2025.
 - Task 3, Subtask 3D – quarterly groundwater monitoring and sampling for BTEX, GRO, and select CVOCs on August 8, 2025.
- System experienced shutdown during the afternoon of the August 12, 2025 due to extraction room temperature, ERRG restarted the system on August 13, 2025.
 - Increase in ambient temperature determined to be cause for set point exceedance, as temperature probe is located along ceiling of extraction room, adjusted probe positioning to minimize heating from ceiling.

August 2025 Monthly Progress Update Former Circle K 1461, Seattle, WA

Summary of system performance:

- System flows range from 68.4 to 88.5 cfm.
- Approximately 8,500 gallons of treated water was discharged.
- System vapor concentrations presented in table below.

Analyte	Inlet Concentration	Effluent Concentration	Control Efficiency ¹	Influent Emission ^{2,3}	Influent Rates to Operate without Controls ²	Effluent Emissions ³	SQER ³	Di Minimis ³
PID calibrated to isobutylene (x 3.4 hexane conversion factor) – Vapor GAC August 1, 2025	146.2 ppm x 3.4 = 497.08 ppm	0.0 ppm x 3.4 = 0.0 ppm	100%	N/A	N/A	N/A	N/A	N/A
PID calibrated to isobutylene (x 3.4 hexane conversion factor) – Vapor GAC August 8, 2025	143.6 ppm x 3.4 = 488.24 ppm	0.5 ppm x 3.4 = 1.7 ppm	99.65%	N/A	N/A	N/A	N/A	N/A
PID calibrated to isobutylene (x 3.4 hexane conversion factor) – Vapor GAC August 15, 2025	161.8 ppm x 3.4 = 550.12 ppm	0.6 ppm x 3.4 = 2.04 ppm	99.63%	N/A	N/A	N/A	N/A	N/A
PID calibrated to isobutylene (x 3.4 hexane conversion factor) – Vapor GAC August 21, 2025	153 ppm x 3.4 = 520.2 ppm	0.8 ppm x 3.4 = 2.72 ppm	99.48%	N/A	N/A	N/A	N/A	N/A
PID calibrated to isobutylene (x 3.4 hexane conversion factor) – Vapor GAC August 28, 2025	150.9 ppm x 3.4 = 513.06 ppm	1.3 ppm x 3.4 = 4.42 ppm	99.14%	N/A	N/A	N/A	N/A	N/A
TPH (GRO) – Vapor GAC	413,000* U µg/m ³	826 U µg/m ³	99.80%	3.71 lb/24-hr	2.74 lb/24-hr	2.71 lb/year	N/A	N/A
n-hexane – Vapor GAC	19,500 µg/m ³	31.2 µg/m ³	99.84%	0.18 lb/24-hr	N/A	0.10 lb/24-hr	52 lb/24-hr	2.6 lb/24-hr
Benzene – Vapor GAC	900 µg/m ³	9.10 µg/m ³	98.99%	0.0081 lb/24-hr	0.018 lb/24-hr	0.030 lb/year	21 lb/year	1.0 lb/year

Notes:

*Elevated laboratory limited of detection due to dilution.

1. The control efficiency of the MPE system abatement device shall meet the following requirements, as applicable:

- ≥97% if inlet TPH ≥ 200 ppmv, measured as hexane or its equivalent; or,
- ≥90% if inlet TPH < 200 ppmv, measured as hexane or its equivalent; or
- ≤10 ppmv at the outlet of the control device, measured as hexane or its equivalent.

2. The owner or operator may operate the soil vapor extraction system without any controls when inlet sampling data from two or more consecutive months shows all of the following:

- Pre-control TPH emission rate is equal to or less than 2.74 lbs/day
- Pre-control Benzene emission rate is equal to or less than 0.018 lbs/day.

3. Estimated emissions based on system flow 100 cubic feet per minute.

4. SQER and Di Minimis values provided in their respective averaging period

N/A = not applicable

MPE = multiphase extraction

PID = photoionization device

ppm = parts per million

SQER = small quantity emission rate

TPH = total petroleum hydrocarbons

µg/m³ = micrograms per cubic meter

U = not detected above the laboratory detection limit

**August 2025
Monthly Progress Update
Former Circle K 1461, Seattle, WA**

Summary of operations, monitoring, and maintenance activities to be performed in the next month.

- ERRG to continue operation of system and perform monitoring and sampling as follows:
 - Task 1 – perform monthly and as-needed O&M activities for Phase 1 operation with Vapor GAC treatment.
 - Task 1 – perform Vapor GAC changeout
 - Task 3, Subtask 3B – monthly vapor monitoring for VOCs with PID at vapor treatment system (Vapor GAC) influent, midpoint and effluent and active extraction wells.
 - Task 3, Subtask 3C – monthly water treatment sampling performed at midpoint of liquid GAC vessel trains for BTEX.
- ERRG to submit the following deliverables:
 - September 2025 Monthly progress update
 - Third Quarter KCIW Self-Monitoring Report

Comparison of work completed to scheduled activities.

- Operation, monitoring, and maintenance activities completed as required when system was active.
- System

Potential problems identified and suggested resolutions.

- Limited extraction to approximately 4 extraction wells in order to maintain adequate vacuum and to minimize influent concentrations to vapor GAC vessels to extend life of carbon.

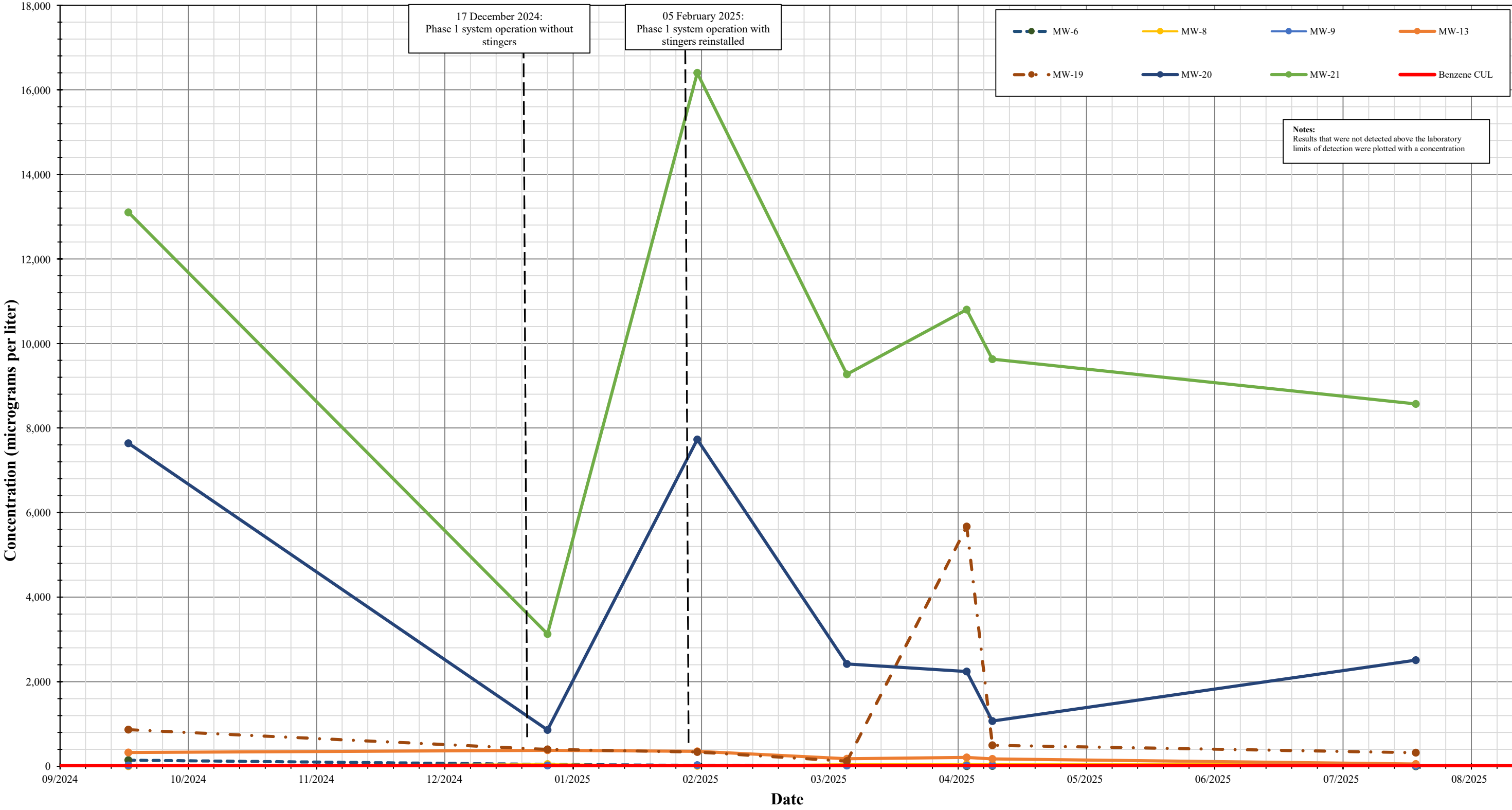
Deliverables submitted during the reporting period.

- July Monthly Progress Update on August 15, 2025.

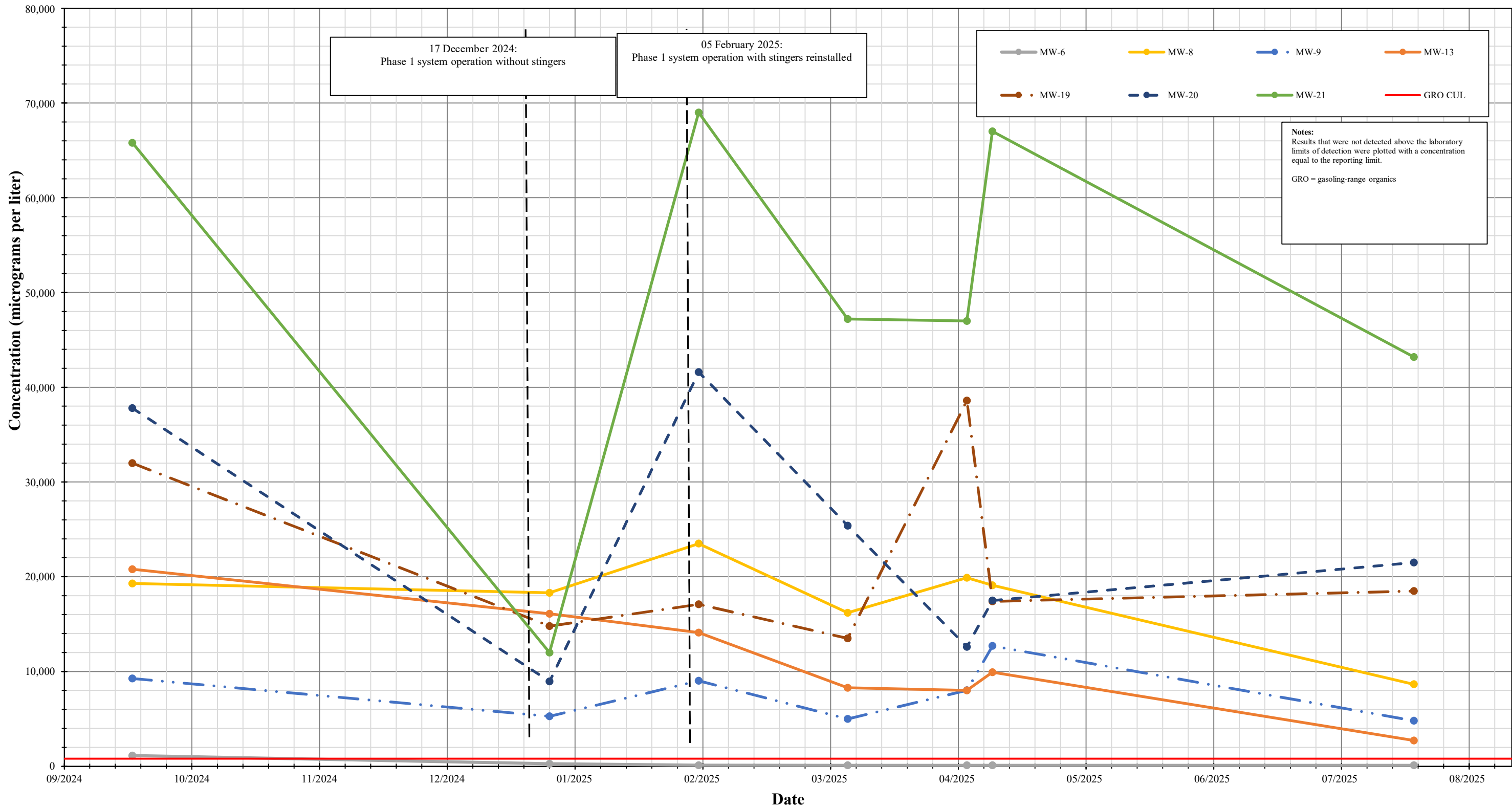
EIM field and laboratory analytical results submitted during the reporting period.

- No EIM data uploaded in August 2025.
- No Laboratory results submitted in August 2025.

Benzene Concentrations in Groundwater Wells



GRO Concentrations in Groundwater Wells





Activated Carbon Products & Services

PO Box 1346 – Ridgefield, WA 98642

Phone: (360) 727-3775

Email: Info@PacificCoastCarbon.com

September 5th, 2025

Attn: Dale Meyers / 425-389-2521

Former Circle K 1461 Site

2350 24th Ave E - B

Seattle, WA 98112

This letter certifies the following non hazardous spent carbon received by Pacific Coast Carbon was reactivated in accordance with 40 CFR Part 265 and part 61 regulations:

Generators Mailing & Site Address

Former Circle K 1461 Site

2350 24th Ave E – B

Seattle, WA 98112

Profile Number:

V-25101

Shipping Documentation number: 25369 & 25421

Date of Receipt

Doc# 25369 receipt 07-24-25

Doc# 25421 receipt 09-02-25

Qty, Container type & Weight: 4 – Supersacks Doc# 25369- 5,060 pounds

4 - Supersacks Doc# 25421 – 5120 pounds

Reactivation Date:

09-08-25

Under civil and criminal penalties of law for false and or fraudulent statements or representations, I verify the information contained above is accurate, true and complete. As to the identified sections(s) of this certificate for which I cannot personally verify accuracy and truth, I certify as the company official and having company authority and responsibility for the persons who, acting under my direct instructions, made the verification that this information is accurate, true and complete.

Pacific Coast Carbon

Sincerely,

Alex Peru

Alex Peru

President

Engineering/Remediation Resources Group

Sample Delivery Group: L1887033
Samples Received: 08/09/2025
Project Number: 20230065
Description: Former Circle K 1461
Site: 1461
Report To: Jennifer Sonnichsen
15333 NE 90th Street
Ste 100
Redmond, WA 98052

Entire Report Reviewed By:



Jennifer Gambill
Project Manager

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

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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

SAMPLE SUMMARY

RW-1 L1887033-01

				Collected by Blaine Tech	Collected date/time 08/08/25 09:22	Received date/time 08/09/25 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2577935	1	08/12/25 18:12	08/12/25 18:12	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2576896	10	08/10/25 18:14	08/10/25 18:14	DSS	Mt. Juliet, TN

MW-18 L1887033-02

				Collected by Blaine Tech	Collected date/time 08/08/25 09:28	Received date/time 08/09/25 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2577935	1	08/12/25 19:18	08/12/25 19:18	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2576896	1	08/10/25 15:42	08/10/25 15:42	DSS	Mt. Juliet, TN

MW-9 L1887033-03

				Collected by Blaine Tech	Collected date/time 08/08/25 09:38	Received date/time 08/09/25 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2577935	5	08/12/25 19:38	08/12/25 19:38	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2579444	10	08/14/25 17:16	08/14/25 17:16	DYW	Mt. Juliet, TN

MW-16 L1887033-04

				Collected by Blaine Tech	Collected date/time 08/08/25 10:08	Received date/time 08/09/25 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2578482	1	08/13/25 00:32	08/13/25 00:32	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2576896	1	08/10/25 16:01	08/10/25 16:01	DSS	Mt. Juliet, TN

MW-8 L1887033-05

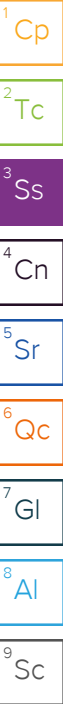
				Collected by Blaine Tech	Collected date/time 08/08/25 10:13	Received date/time 08/09/25 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2578482	5	08/13/25 05:18	08/13/25 05:18	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2576896	50	08/10/25 18:52	08/10/25 18:52	DSS	Mt. Juliet, TN

MW-15 L1887033-06

				Collected by Blaine Tech	Collected date/time 08/08/25 10:38	Received date/time 08/09/25 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2578482	1	08/13/25 00:54	08/13/25 00:54	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2576896	1	08/10/25 16:20	08/10/25 16:20	DSS	Mt. Juliet, TN

MW-6 L1887033-07

				Collected by Blaine Tech	Collected date/time 08/08/25 10:42	Received date/time 08/09/25 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2578482	1	08/13/25 01:16	08/13/25 01:16	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2576896	1	08/10/25 16:39	08/10/25 16:39	DSS	Mt. Juliet, TN



SAMPLE SUMMARY

MW-14 L1887033-08

				Collected by Blaine Tech	Collected date/time 08/08/25 11:04	Received date/time 08/09/25 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2578482	1	08/13/25 01:38	08/13/25 01:38	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2576896	1	08/10/25 16:58	08/10/25 16:58	DSS	Mt. Juliet, TN

MW-13 L1887033-09

				Collected by Blaine Tech	Collected date/time 08/08/25 11:13	Received date/time 08/09/25 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2578482	10	08/13/25 05:40	08/13/25 05:40	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2580630	1	08/17/25 18:53	08/17/25 18:53	DYW	Mt. Juliet, TN

MW-17 L1887033-10

				Collected by Blaine Tech	Collected date/time 08/08/25 11:40	Received date/time 08/09/25 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2578482	1	08/13/25 02:01	08/13/25 02:01	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2576896	25	08/10/25 19:30	08/10/25 19:30	DSS	Mt. Juliet, TN

MW-21 L1887033-11

				Collected by Blaine Tech	Collected date/time 08/08/25 11:43	Received date/time 08/09/25 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2578482	10	08/13/25 06:02	08/13/25 06:02	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2579444	200	08/14/25 17:59	08/14/25 17:59	DYW	Mt. Juliet, TN

MW-19 L1887033-12

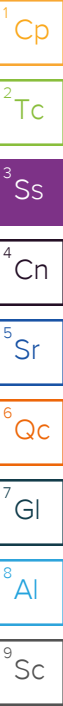
				Collected by Blaine Tech	Collected date/time 08/08/25 12:08	Received date/time 08/09/25 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2578482	10	08/13/25 06:24	08/13/25 06:24	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2576896	100	08/10/25 20:08	08/10/25 20:08	DSS	Mt. Juliet, TN

MW-20 L1887033-13

				Collected by Blaine Tech	Collected date/time 08/08/25 12:09	Received date/time 08/09/25 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2578482	10	08/13/25 06:46	08/13/25 06:46	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2576896	50	08/10/25 20:27	08/10/25 20:27	DSS	Mt. Juliet, TN

DUP-1 L1887033-14

				Collected by Blaine Tech	Collected date/time 08/08/25 12:00	Received date/time 08/09/25 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2582871	10	08/19/25 14:26	08/19/25 14:26	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2576896	1	08/10/25 17:17	08/10/25 17:17	DSS	Mt. Juliet, TN



SAMPLE SUMMARY

TB-1 L1887033-15

Collected by
Blaine Tech

Collected date/time
08/08/25 12:10

Received date/time
08/09/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2578482	1	08/12/25 23:47	08/12/25 23:47	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2576896	1	08/10/25 14:44	08/10/25 14:44	DSS	Mt. Juliet, TN

TB-2 L1887033-16

Collected by
Blaine Tech

Collected date/time
08/08/25 12:11

Received date/time
08/09/25 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2578482	1	08/13/25 00:09	08/13/25 00:09	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2576896	1	08/10/25 15:03	08/10/25 15:03	DSS	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

ACCOUNT:

Engineering/Remediation Resources Group

PROJECT:

20230065

SDG:

L1887033

DATE/TIME:

08/21/25 16:08

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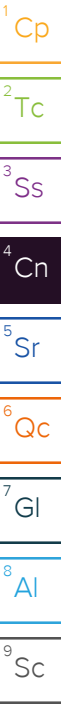
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CASE NARRATIVE

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.



Jennifer Gambill
Project Manager



Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND		100	1	08/12/2025 18:12	WG2577935
(S) a,a,a-Trifluorotoluene(FID)	99.9		78.0-120		08/12/2025 18:12	WG2577935

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		10.0	10	08/10/2025 18:14	WG2576896
Ethylbenzene	ND		10.0	10	08/10/2025 18:14	WG2576896
Toluene	ND		10.0	10	08/10/2025 18:14	WG2576896
Xylenes, Total	ND		30.0	10	08/10/2025 18:14	WG2576896
Trichloroethene	11.7		10.0	10	08/10/2025 18:14	WG2576896
cis-1,2-Dichloroethene	ND		10.0	10	08/10/2025 18:14	WG2576896
trans-1,2-Dichloroethene	ND		10.0	10	08/10/2025 18:14	WG2576896
Tetrachloroethene	225		10.0	10	08/10/2025 18:14	WG2576896
Vinyl chloride	ND		10.0	10	08/10/2025 18:14	WG2576896
(S) Toluene-d8	99.9		80.0-120		08/10/2025 18:14	WG2576896
(S) 4-Bromofluorobenzene	88.2		77.0-126		08/10/2025 18:14	WG2576896
(S) 1,2-Dichloroethane-d4	102		70.0-130		08/10/2025 18:14	WG2576896

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND		100	1	08/12/2025 19:18	WG2577935
(S) a,a,a-Trifluorotoluene(FID)	100		78.0-120		08/12/2025 19:18	WG2577935

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/10/2025 15:42	WG2576896
Ethylbenzene	ND		1.00	1	08/10/2025 15:42	WG2576896
Toluene	ND		1.00	1	08/10/2025 15:42	WG2576896
Xylenes, Total	ND		3.00	1	08/10/2025 15:42	WG2576896
Trichloroethene	2.33		1.00	1	08/10/2025 15:42	WG2576896
cis-1,2-Dichloroethene	1.11		1.00	1	08/10/2025 15:42	WG2576896
trans-1,2-Dichloroethene	ND		1.00	1	08/10/2025 15:42	WG2576896
Tetrachloroethene	88.5		1.00	1	08/10/2025 15:42	WG2576896
Vinyl chloride	ND		1.00	1	08/10/2025 15:42	WG2576896
(S) Toluene-d8	104		80.0-120		08/10/2025 15:42	WG2576896
(S) 4-Bromofluorobenzene	91.0		77.0-126		08/10/2025 15:42	WG2576896
(S) 1,2-Dichloroethane-d4	107		70.0-130		08/10/2025 15:42	WG2576896

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	4810		500	5	08/12/2025 19:38	WG2577935
(S) a,a,a-Trifluorotoluene(FID)	99.3		78.0-120		08/12/2025 19:38	WG2577935

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		10.0	10	08/14/2025 17:16	WG2579444
Ethylbenzene	184		10.0	10	08/14/2025 17:16	WG2579444
Toluene	ND		10.0	10	08/14/2025 17:16	WG2579444
Xylenes, Total	288		30.0	10	08/14/2025 17:16	WG2579444
Trichloroethene	ND		10.0	10	08/14/2025 17:16	WG2579444
cis-1,2-Dichloroethene	ND		10.0	10	08/14/2025 17:16	WG2579444
trans-1,2-Dichloroethene	ND		10.0	10	08/14/2025 17:16	WG2579444
Tetrachloroethene	ND		10.0	10	08/14/2025 17:16	WG2579444
Vinyl chloride	ND		10.0	10	08/14/2025 17:16	WG2579444
(S) Toluene-d8	94.4		80.0-120		08/14/2025 17:16	WG2579444
(S) 4-Bromofluorobenzene	102		77.0-126		08/14/2025 17:16	WG2579444
(S) 1,2-Dichloroethane-d4	109		70.0-130		08/14/2025 17:16	WG2579444

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND		100	1	08/13/2025 00:32	WG2578482
(S) a,a,a-Trifluorotoluene(FID)	112		78.0-120		08/13/2025 00:32	WG2578482

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/10/2025 16:01	WG2576896
Ethylbenzene	ND		1.00	1	08/10/2025 16:01	WG2576896
Toluene	ND		1.00	1	08/10/2025 16:01	WG2576896
Xylenes, Total	ND		3.00	1	08/10/2025 16:01	WG2576896
Trichloroethene	ND		1.00	1	08/10/2025 16:01	WG2576896
cis-1,2-Dichloroethene	ND		1.00	1	08/10/2025 16:01	WG2576896
trans-1,2-Dichloroethene	ND		1.00	1	08/10/2025 16:01	WG2576896
Tetrachloroethene	ND		1.00	1	08/10/2025 16:01	WG2576896
Vinyl chloride	ND		1.00	1	08/10/2025 16:01	WG2576896
(S) Toluene-d8	97.7		80.0-120		08/10/2025 16:01	WG2576896
(S) 4-Bromofluorobenzene	86.8		77.0-126		08/10/2025 16:01	WG2576896
(S) 1,2-Dichloroethane-d4	105		70.0-130		08/10/2025 16:01	WG2576896

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	8660		500	5	08/13/2025 05:18	WG2578482
(S) a,a,a-Trifluorotoluene(FID)	110		78.0-120		08/13/2025 05:18	WG2578482

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		50.0	50	08/10/2025 18:52	WG2576896
Ethylbenzene	546		50.0	50	08/10/2025 18:52	WG2576896
Toluene	ND		50.0	50	08/10/2025 18:52	WG2576896
Xylenes, Total	1340		150	50	08/10/2025 18:52	WG2576896
Trichloroethene	ND		50.0	50	08/10/2025 18:52	WG2576896
cis-1,2-Dichloroethene	ND		50.0	50	08/10/2025 18:52	WG2576896
trans-1,2-Dichloroethene	ND		50.0	50	08/10/2025 18:52	WG2576896
Tetrachloroethene	ND		50.0	50	08/10/2025 18:52	WG2576896
Vinyl chloride	ND		50.0	50	08/10/2025 18:52	WG2576896
(S) Toluene-d8	99.1		80.0-120		08/10/2025 18:52	WG2576896
(S) 4-Bromofluorobenzene	95.7		77.0-126		08/10/2025 18:52	WG2576896
(S) 1,2-Dichloroethane-d4	100		70.0-130		08/10/2025 18:52	WG2576896

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND		100	1	08/13/2025 00:54	WG2578482
(S) a,a,a-Trifluorotoluene(FID)	111		78.0-120		08/13/2025 00:54	WG2578482

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/10/2025 16:20	WG2576896
Ethylbenzene	ND		1.00	1	08/10/2025 16:20	WG2576896
Toluene	ND		1.00	1	08/10/2025 16:20	WG2576896
Xylenes, Total	ND		3.00	1	08/10/2025 16:20	WG2576896
Trichloroethene	ND		1.00	1	08/10/2025 16:20	WG2576896
cis-1,2-Dichloroethene	ND		1.00	1	08/10/2025 16:20	WG2576896
trans-1,2-Dichloroethene	ND		1.00	1	08/10/2025 16:20	WG2576896
Tetrachloroethene	ND		1.00	1	08/10/2025 16:20	WG2576896
Vinyl chloride	ND		1.00	1	08/10/2025 16:20	WG2576896
(S) Toluene-d8	97.6		80.0-120		08/10/2025 16:20	WG2576896
(S) 4-Bromofluorobenzene	90.9		77.0-126		08/10/2025 16:20	WG2576896
(S) 1,2-Dichloroethane-d4	111		70.0-130		08/10/2025 16:20	WG2576896

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND		100	1	08/13/2025 01:16	WG2578482
(S) a,a,a-Trifluorotoluene(FID)	111		78.0-120		08/13/2025 01:16	WG2578482

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/10/2025 16:39	WG2576896
Ethylbenzene	ND		1.00	1	08/10/2025 16:39	WG2576896
Toluene	ND		1.00	1	08/10/2025 16:39	WG2576896
Xylenes, Total	ND		3.00	1	08/10/2025 16:39	WG2576896
Trichloroethene	ND		1.00	1	08/10/2025 16:39	WG2576896
cis-1,2-Dichloroethene	ND		1.00	1	08/10/2025 16:39	WG2576896
trans-1,2-Dichloroethene	ND		1.00	1	08/10/2025 16:39	WG2576896
Tetrachloroethene	ND		1.00	1	08/10/2025 16:39	WG2576896
Vinyl chloride	ND		1.00	1	08/10/2025 16:39	WG2576896
(S) Toluene-d8	97.6		80.0-120		08/10/2025 16:39	WG2576896
(S) 4-Bromofluorobenzene	90.4		77.0-126		08/10/2025 16:39	WG2576896
(S) 1,2-Dichloroethane-d4	110		70.0-130		08/10/2025 16:39	WG2576896

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND		100	1	08/13/2025 01:38	WG2578482
(S) a,a,a-Trifluorotoluene(FID)	113		78.0-120		08/13/2025 01:38	WG2578482

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/10/2025 16:58	WG2576896
Ethylbenzene	ND		1.00	1	08/10/2025 16:58	WG2576896
Toluene	3.79		1.00	1	08/10/2025 16:58	WG2576896
Xylenes, Total	ND		3.00	1	08/10/2025 16:58	WG2576896
Trichloroethene	ND		1.00	1	08/10/2025 16:58	WG2576896
cis-1,2-Dichloroethene	ND		1.00	1	08/10/2025 16:58	WG2576896
trans-1,2-Dichloroethene	ND		1.00	1	08/10/2025 16:58	WG2576896
Tetrachloroethene	ND		1.00	1	08/10/2025 16:58	WG2576896
Vinyl chloride	ND		1.00	1	08/10/2025 16:58	WG2576896
(S) Toluene-d8	107		80.0-120		08/10/2025 16:58	WG2576896
(S) 4-Bromofluorobenzene	81.9		77.0-126		08/10/2025 16:58	WG2576896
(S) 1,2-Dichloroethane-d4	108		70.0-130		08/10/2025 16:58	WG2576896

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	2720	B	1000	10	08/13/2025 05:40	WG2578482
(S) a,a,a-Trifluorotoluene(FID)	112		78.0-120		08/13/2025 05:40	WG2578482

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	54.3		1.00	1	08/17/2025 18:53	WG2580630
Ethylbenzene	ND		1.00	1	08/17/2025 18:53	WG2580630
Toluene	2.30		1.00	1	08/17/2025 18:53	WG2580630
Xylenes, Total	187		3.00	1	08/17/2025 18:53	WG2580630
Trichloroethene	ND		1.00	1	08/17/2025 18:53	WG2580630
cis-1,2-Dichloroethene	2.59		1.00	1	08/17/2025 18:53	WG2580630
trans-1,2-Dichloroethene	ND		1.00	1	08/17/2025 18:53	WG2580630
Tetrachloroethene	ND		1.00	1	08/17/2025 18:53	WG2580630
Vinyl chloride	ND	C3	1.00	1	08/17/2025 18:53	WG2580630
(S) Toluene-d8	100		80.0-120		08/17/2025 18:53	WG2580630
(S) 4-Bromofluorobenzene	96.3		77.0-126		08/17/2025 18:53	WG2580630
(S) 1,2-Dichloroethane-d4	102		70.0-130		08/17/2025 18:53	WG2580630

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	566	B	100	1	08/13/2025 02:01	WG2578482
(S) a,a,a-Trifluorotoluene(FID)	112		78.0-120		08/13/2025 02:01	WG2578482

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		25.0	25	08/10/2025 19:30	WG2576896
Ethylbenzene	ND		25.0	25	08/10/2025 19:30	WG2576896
Toluene	ND		25.0	25	08/10/2025 19:30	WG2576896
Xylenes, Total	ND		75.0	25	08/10/2025 19:30	WG2576896
Trichloroethene	52.8		25.0	25	08/10/2025 19:30	WG2576896
cis-1,2-Dichloroethene	ND		25.0	25	08/10/2025 19:30	WG2576896
trans-1,2-Dichloroethene	ND		25.0	25	08/10/2025 19:30	WG2576896
Tetrachloroethene	1400		25.0	25	08/10/2025 19:30	WG2576896
Vinyl chloride	ND		25.0	25	08/10/2025 19:30	WG2576896
(S) Toluene-d8	106		80.0-120		08/10/2025 19:30	WG2576896
(S) 4-Bromofluorobenzene	95.3		77.0-126		08/10/2025 19:30	WG2576896
(S) 1,2-Dichloroethane-d4	105		70.0-130		08/10/2025 19:30	WG2576896

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	43200		1000	10	08/13/2025 06:02	WG2578482
(S) a,a,a-Trifluorotoluene(FID)	102		78.0-120		08/13/2025 06:02	WG2578482

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	8570		200	200	08/14/2025 17:59	WG2579444
Ethylbenzene	1340		200	200	08/14/2025 17:59	WG2579444
Toluene	6520		200	200	08/14/2025 17:59	WG2579444
Xylenes, Total	7090		600	200	08/14/2025 17:59	WG2579444
Trichloroethene	ND		200	200	08/14/2025 17:59	WG2579444
cis-1,2-Dichloroethene	ND		200	200	08/14/2025 17:59	WG2579444
trans-1,2-Dichloroethene	ND		200	200	08/14/2025 17:59	WG2579444
Tetrachloroethene	ND		200	200	08/14/2025 17:59	WG2579444
Vinyl chloride	ND		200	200	08/14/2025 17:59	WG2579444
(S) Toluene-d8	93.6		80.0-120		08/14/2025 17:59	WG2579444
(S) 4-Bromofluorobenzene	102		77.0-126		08/14/2025 17:59	WG2579444
(S) 1,2-Dichloroethane-d4	109		70.0-130		08/14/2025 17:59	WG2579444

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	18500		1000	10	08/13/2025 06:24	WG2578482
(S) a,a,a-Trifluorotoluene(FID)	106		78.0-120		08/13/2025 06:24	WG2578482

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	321		100	100	08/10/2025 20:08	WG2576896
Ethylbenzene	929		100	100	08/10/2025 20:08	WG2576896
Toluene	1640		100	100	08/10/2025 20:08	WG2576896
Xylenes, Total	3650		300	100	08/10/2025 20:08	WG2576896
Trichloroethene	ND		100	100	08/10/2025 20:08	WG2576896
cis-1,2-Dichloroethene	715		100	100	08/10/2025 20:08	WG2576896
trans-1,2-Dichloroethene	ND		100	100	08/10/2025 20:08	WG2576896
Tetrachloroethene	109		100	100	08/10/2025 20:08	WG2576896
Vinyl chloride	ND		100	100	08/10/2025 20:08	WG2576896
(S) Toluene-d8	99.8		80.0-120		08/10/2025 20:08	WG2576896
(S) 4-Bromofluorobenzene	93.0		77.0-126		08/10/2025 20:08	WG2576896
(S) 1,2-Dichloroethane-d4	103		70.0-130		08/10/2025 20:08	WG2576896

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	21500		1000	10	08/13/2025 06:46	WG2578482
(S) a,a,a-Trifluorotoluene(FID)	107		78.0-120		08/13/2025 06:46	WG2578482

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	2510		50.0	50	08/10/2025 20:27	WG2576896
Ethylbenzene	918		50.0	50	08/10/2025 20:27	WG2576896
Toluene	811		50.0	50	08/10/2025 20:27	WG2576896
Xylenes, Total	5040		150	50	08/10/2025 20:27	WG2576896
Trichloroethene	ND		50.0	50	08/10/2025 20:27	WG2576896
cis-1,2-Dichloroethene	59.0		50.0	50	08/10/2025 20:27	WG2576896
trans-1,2-Dichloroethene	ND		50.0	50	08/10/2025 20:27	WG2576896
Tetrachloroethene	ND		50.0	50	08/10/2025 20:27	WG2576896
Vinyl chloride	ND		50.0	50	08/10/2025 20:27	WG2576896
(S) Toluene-d8	95.0		80.0-120		08/10/2025 20:27	WG2576896
(S) 4-Bromofluorobenzene	94.2		77.0-126		08/10/2025 20:27	WG2576896
(S) 1,2-Dichloroethane-d4	105		70.0-130		08/10/2025 20:27	WG2576896

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	6160		1000	10	08/19/2025 14:26	WG2582871
(S) a,a,a-Trifluorotoluene(FID)	99.2		78.0-120		08/19/2025 14:26	WG2582871

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/10/2025 17:17	WG2576896
Ethylbenzene	198		1.00	1	08/10/2025 17:17	WG2576896
Toluene	4.78		1.00	1	08/10/2025 17:17	WG2576896
Xylenes, Total	338		3.00	1	08/10/2025 17:17	WG2576896
Trichloroethene	ND		1.00	1	08/10/2025 17:17	WG2576896
cis-1,2-Dichloroethene	ND		1.00	1	08/10/2025 17:17	WG2576896
trans-1,2-Dichloroethene	ND		1.00	1	08/10/2025 17:17	WG2576896
Tetrachloroethene	ND		1.00	1	08/10/2025 17:17	WG2576896
Vinyl chloride	ND		1.00	1	08/10/2025 17:17	WG2576896
(S) Toluene-d8	79.9	J2	80.0-120		08/10/2025 17:17	WG2576896
(S) 4-Bromofluorobenzene	83.6		77.0-126		08/10/2025 17:17	WG2576896
(S) 1,2-Dichloroethane-d4	114		70.0-130		08/10/2025 17:17	WG2576896

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND		100	1	08/12/2025 23:47	WG2578482
(S) a,a,a-Trifluorotoluene(FID)	110		78.0-120		08/12/2025 23:47	WG2578482

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/10/2025 14:44	WG2576896
Ethylbenzene	ND		1.00	1	08/10/2025 14:44	WG2576896
Toluene	ND		1.00	1	08/10/2025 14:44	WG2576896
Xylenes, Total	ND		3.00	1	08/10/2025 14:44	WG2576896
Trichloroethene	ND		1.00	1	08/10/2025 14:44	WG2576896
cis-1,2-Dichloroethene	ND		1.00	1	08/10/2025 14:44	WG2576896
trans-1,2-Dichloroethene	ND		1.00	1	08/10/2025 14:44	WG2576896
Tetrachloroethene	ND		1.00	1	08/10/2025 14:44	WG2576896
Vinyl chloride	ND		1.00	1	08/10/2025 14:44	WG2576896
(S) Toluene-d8	96.3		80.0-120		08/10/2025 14:44	WG2576896
(S) 4-Bromofluorobenzene	94.9		77.0-126		08/10/2025 14:44	WG2576896
(S) 1,2-Dichloroethane-d4	113		70.0-130		08/10/2025 14:44	WG2576896

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND		100	1	08/13/2025 00:09	WG2578482
(S) a,a,a-Trifluorotoluene(FID)	111		78.0-120		08/13/2025 00:09	WG2578482

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/10/2025 15:03	WG2576896
Ethylbenzene	ND		1.00	1	08/10/2025 15:03	WG2576896
Toluene	ND		1.00	1	08/10/2025 15:03	WG2576896
Xylenes, Total	ND		3.00	1	08/10/2025 15:03	WG2576896
Trichloroethene	ND		1.00	1	08/10/2025 15:03	WG2576896
cis-1,2-Dichloroethene	ND		1.00	1	08/10/2025 15:03	WG2576896
trans-1,2-Dichloroethene	ND		1.00	1	08/10/2025 15:03	WG2576896
Tetrachloroethene	ND		1.00	1	08/10/2025 15:03	WG2576896
Vinyl chloride	ND		1.00	1	08/10/2025 15:03	WG2576896
(S) Toluene-d8	101		80.0-120		08/10/2025 15:03	WG2576896
(S) 4-Bromofluorobenzene	95.4		77.0-126		08/10/2025 15:03	WG2576896
(S) 1,2-Dichloroethane-d4	106		70.0-130		08/10/2025 15:03	WG2576896

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Method Blank (MB)

(MB) R4258775-3 08/12/25 12:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		78.6	100
(S) a,a,a-Trifluorotoluene(FID)	100			78.0-120

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

(LCS) R4258775-1 08/12/25 08:50 • (LCSD) R4258775-2 08/12/25 11:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5000	4450	4890	89.0	97.8	70.0-124			9.42	20
(S) a,a,a-Trifluorotoluene(FID)				96.8	102	78.0-120				

1
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Method Blank (MB)

(MB) R4260597-2 08/12/25 22:22

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	95.2	J	78.6	100
(S) a,a,a-Trifluorotoluene(FID)	112			78.0-120

Laboratory Control Sample (LCS)

(LCS) R4260597-1 08/12/25 21:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5000	5110	102	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			113	78.0-120	

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Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Method Blank (MB)

(MB) R4261990-3 08/19/25 10:39

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		78.6	100
(S) a,a,a-Trifluorotoluene(FID)	98.6			78.0-120

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

(LCS) R4261990-1 08/19/25 09:29 • (LCSD) R4261990-2 08/19/25 09:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5000	4550	4700	91.0	94.0	70.0-124			3.24	20
(S) a,a,a-Trifluorotoluene(FID)				104	104	78.0-120				

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Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Method Blank (MB)

(MB) R4258321-3 08/10/25 13:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.320	1.00
Ethylbenzene	U		0.234	1.00
Toluene	U		0.274	1.00
Xylenes, Total	U		0.319	3.00
Trichloroethene	U		0.383	1.00
cis-1,2-Dichloroethene	U		0.323	1.00
trans-1,2-Dichloroethene	U		0.348	1.00
Tetrachloroethene	U		0.358	1.00
Vinyl chloride	U		0.458	1.00
(S) Toluene-d8	99.4			80.0-120
(S) 4-Bromofluorobenzene	93.3			77.0-126
(S) 1,2-Dichloroethane-d4	107			70.0-130

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

(LCS) R4258321-1 08/10/25 12:39 • (LCSD) R4258321-2 08/10/25 12:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	25.0	22.7	22.8	90.8	91.2	70.0-123			0.440	20
Ethylbenzene	25.0	22.4	23.6	89.6	94.4	79.0-123			5.22	20
Toluene	25.0	22.3	23.9	89.2	95.6	79.0-120			6.93	20
Xylenes, Total	75.0	70.6	72.8	94.1	97.1	79.0-123			3.07	20
Trichloroethene	25.0	23.4	23.7	93.6	94.8	78.0-124			1.27	20
cis-1,2-Dichloroethene	25.0	21.8	21.9	87.2	87.6	73.0-120			0.458	20
trans-1,2-Dichloroethene	25.0	22.0	21.5	88.0	86.0	73.0-120			2.30	20
Tetrachloroethene	25.0	21.4	22.3	85.6	89.2	72.0-132			4.12	20
Vinyl chloride	25.0	22.7	21.6	90.8	86.4	67.0-131			4.97	20
(S) Toluene-d8				99.4	101	80.0-120				
(S) 4-Bromofluorobenzene				97.2	98.8	77.0-126				
(S) 1,2-Dichloroethane-d4				113	108	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4259095-3 08/14/25 09:45

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.320	1.00
Ethylbenzene	U		0.234	1.00
Toluene	U		0.274	1.00
Xylenes, Total	U		0.319	3.00
Trichloroethene	U		0.383	1.00
cis-1,2-Dichloroethene	U		0.323	1.00
trans-1,2-Dichloroethene	U		0.348	1.00
Tetrachloroethene	U		0.358	1.00
Vinyl chloride	U		0.458	1.00
(S) Toluene-d8	94.9			80.0-120
(S) 4-Bromofluorobenzene	97.5			77.0-126
(S) 1,2-Dichloroethane-d4	115			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4259095-1 08/14/25 08:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	25.0	24.4	97.6	70.0-123	
Ethylbenzene	25.0	21.2	84.8	79.0-123	
Toluene	25.0	21.2	84.8	79.0-120	
Xylenes, Total	75.0	64.4	85.9	79.0-123	
Trichloroethene	25.0	26.2	105	78.0-124	
cis-1,2-Dichloroethene	25.0	24.1	96.4	73.0-120	
trans-1,2-Dichloroethene	25.0	24.9	99.6	73.0-120	
Tetrachloroethene	25.0	23.8	95.2	72.0-132	
Vinyl chloride	25.0	27.8	111	67.0-131	
(S) Toluene-d8			91.3	80.0-120	
(S) 4-Bromofluorobenzene			93.6	77.0-126	
(S) 1,2-Dichloroethane-d4			121	70.0-130	

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Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Method Blank (MB)

(MB) R4261871-3 08/17/25 11:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.320	1.00
Ethylbenzene	U		0.234	1.00
Toluene	U		0.274	1.00
Xylenes, Total	U		0.319	3.00
Trichloroethene	U		0.383	1.00
cis-1,2-Dichloroethene	U		0.323	1.00
trans-1,2-Dichloroethene	U		0.348	1.00
Tetrachloroethene	U		0.358	1.00
Vinyl chloride	U		0.458	1.00
(S) Toluene-d8	103			80.0-120
(S) 4-Bromofluorobenzene	79.3			77.0-126
(S) 1,2-Dichloroethane-d4	103			70.0-130

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

(LCS) R4261871-1 08/17/25 10:02 • (LCSD) R4261871-2 08/17/25 10:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	25.0	22.8	23.4	91.2	93.6	70.0-123			2.60	20
Ethylbenzene	25.0	21.9	22.3	87.6	89.2	79.0-123			1.81	20
Toluene	25.0	23.3	23.4	93.2	93.6	79.0-120			0.428	20
Xylenes, Total	75.0	66.2	66.6	88.3	88.8	79.0-123			0.602	20
Trichloroethene	25.0	25.6	26.7	102	107	78.0-124			4.21	20
cis-1,2-Dichloroethene	25.0	23.5	24.1	94.0	96.4	73.0-120			2.52	20
trans-1,2-Dichloroethene	25.0	23.8	24.7	95.2	98.8	73.0-120			3.71	20
Tetrachloroethene	25.0	25.3	25.6	101	102	72.0-132			1.18	20
Vinyl chloride	25.0	17.1	17.5	68.4	70.0	67.0-131			2.31	20
(S) Toluene-d8				99.8	98.6	80.0-120				
(S) 4-Bromofluorobenzene				93.9	93.4	77.0-126				
(S) 1,2-Dichloroethane-d4				97.4	97.9	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

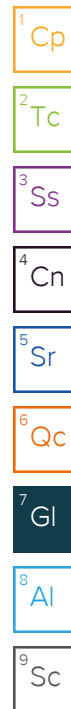
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	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.
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.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.



ACCREDITATIONS & LOCATIONS

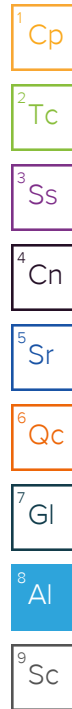
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

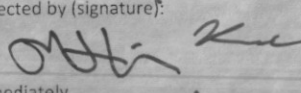
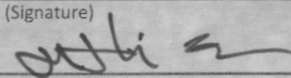
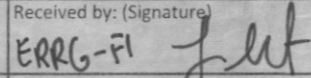
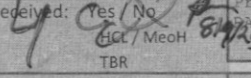
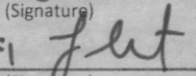
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Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

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

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

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



Company Name/Address: Engineering/Remediation Resources Group 15333 NE 90th Street Report to: Jennifer Sonnichsen 425-658-5026		Billing Information: Jennifer Sonnichsen Accounts Payable 15333 NE 90th Street Ste 100 Email To: jennifer.sonnichsen@errg.com; spencer.slomins		Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 1 of 1	
Project Description: Former Circle K 1461		City/State Collected: Seattle, WA		Please Circle: ☒ MT ☐ CT ☐ ET		See Notes										Pace PEOPLE ADVANCING SCIENCE	
Regulatory Program(DOD,RCRA,DW,etc): Ecology EM		Client Project # 20230065		Lab Project # ENGREMRWA-CIRCLE K												MT JULIET, TN 12065 Lebanon Rd. Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf	
Collected by (print): Blaine Tech		Site/Facility ID # 1461		P.O. #													
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day ☐ STD TAT		Quote #													
Immediately Packed on Ice ☒ N ☐ Y ☒		Date Results Needed		Date		Time		Cntrs		Remarks		Sample # (lab only)					
Sample ID		Comp/Grab		Matrix *		Depth		Date		Time		Cntrs		Remarks		Sample # (lab only)	
RW-1		Grab		GW		MA		8/8/25		0922		3		X		-01	
MW-18		↓		GW		↓		↓		0928		1		↓		-02	
MW-9		↓		GW		↓		↓		0938		1		↓		-03	
MW-16		↓		GW		↓		↓		1008		1		↓		-04	
MW-8		↓		GW		↓		↓		1013		1		↓		-05	
MW-15		↓		GW		↓		↓		1036		1		↓		-06	
MW-6		↓		GW		↓		↓		1042		1		↓		-07	
MW-14		↓		GW		↓		↓		1104		1		↓		-08	
MW-13		↓		GW		↓		↓		1113		1		↓		-09	
MW-17		↓		GW		↓		↓		1140		1		↓		-10	
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: 8260 - BTEX + TCE, PCE, cDCE, tDCE, VC ONLY		pH _____ Temp _____		Flow _____ Other _____		Samples returned via: ☐ UPS ☐ FedEx ☐ Courier		Tracking # 4622 5480 7023		Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ N COC Signed/Accurate: ☒ ☐ N Bottles arrive intact: ☒ ☐ N Correct bottles used: ☒ ☐ N Sufficient volume sent: ☒ ☐ N If Applicable VOA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N RAD Screen <0.5 mR/hr: ☒ ☐ N					
Relinquished by: (Signature) BLAINE TECH 		Date: 8/8/25		Time: 1220		Received by: (Signature) ERRG-FI 		Trip Blank Received: Yes/No ☒ Yes ☐ No 4 		Temp: _____ °C Bottles Received: 23-01-22 960		If preservation required by Login: Date/Time					
Relinquished by: (Signature) ERRG-FI 		Date: 8/8/25		Time: 1300		Received by: (Signature) FEDEX		Date: 8/9/25		Time: 845		Hold:		Condition: NCF / ☒ OK			

[illegible]

September 02, 2025

Engineering/Remediation Resources Group

Sample Delivery Group: L1891783
Samples Received: 08/23/2025
Project Number: 20230068
Description: Former Circle K

Report To: Jennifer Sonnichsen
15333 NE 90th Street
Ste 100
Redmond, WA 98052

Entire Report Reviewed By:



Jennifer Gambill
Project Manager

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

Pace Analytical National

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

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

SAMPLE SUMMARY

SSD-3-250822 L1891783-01

Collected by
Fernando Idiarte

Collected date/time
08/22/25 14:25

Received date/time
08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2587092	1	08/25/25 16:40	08/25/25 16:40	VJC	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2591360	20	08/30/25 16:55	08/30/25 16:55	DBB	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

VP-3-250822 L1891783-02

Collected by
Fernando Idiarte

Collected date/time
08/22/25 14:35

Received date/time
08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2587092	1	08/25/25 17:10	08/25/25 17:10	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2591360	10	08/30/25 20:00	08/30/25 20:00	DBB	Mt. Juliet, TN

⁴ Cn

⁵ Sr

⁶ Qc

VP-4-250822 L1891783-03

Collected by
Fernando Idiarte

Collected date/time
08/22/25 14:45

Received date/time
08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2587092	1	08/25/25 17:45	08/25/25 17:45	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2591360	100	08/30/25 20:25	08/30/25 20:25	DBB	Mt. Juliet, TN

⁷ Gl

⁸ Al

⁹ Sc

VG-411-INF-20250822 L1891783-04

Collected by
Fernando Idiarte

Collected date/time
08/22/25 14:05

Received date/time
08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2587092	10	08/25/25 23:03	08/25/25 23:03	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2591360	500	08/30/25 20:50	08/30/25 20:50	DBB	Mt. Juliet, TN

VG-412-EFF-20250822 L1891783-05

Collected by
Fernando Idiarte

Collected date/time
08/22/25 14:15

Received date/time
08/23/25 09:00

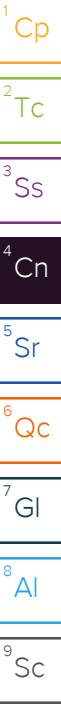
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2587092	1	08/25/25 18:15	08/25/25 18:15	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2591360	1	08/30/25 16:04	08/30/25 16:04	DBB	Mt. Juliet, TN

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.



Jennifer Gambill
Project Manager



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	6.78	16.1		1	WG2587092
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2587092
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2587092
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2587092
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2587092
Bromoform	75-25-2	253	0.630	6.52	ND	ND		1	WG2587092
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2587092
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2587092
Carbon disulfide	75-15-0	76.10	0.400	1.24	0.495	1.54		1	WG2587092
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2587092
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2587092
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2587092
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2587092
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2587092
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2587092
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2587092
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2587092
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2587092
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2587092
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2587092
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2587092
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2587092
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2587092
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2587092
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	42.0	166		1	WG2587092
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.460	1.82		1	WG2587092
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2587092
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2587092
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2587092
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2587092
Ethanol	64-17-5	46.10	2.50	4.71	4.67	8.81		1	WG2587092
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2587092
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2587092
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.240	1.35		1	WG2587092
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.403	1.99		1	WG2587092
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2587092
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2587092
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2587092
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2587092
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2587092
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2587092
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.224	0.778		1	WG2587092
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2587092
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	1.52	4.48		1	WG2587092
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2587092
Methyl methacrylate	80-62-6	100.12	0.200	0.819	0.359	1.47		1	WG2587092
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2587092
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2587092
2-Propanol	67-63-0	60.10	1.25	3.07	4.69	11.5		1	WG2587092
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2587092
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2587092
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2587092
Tetrachloroethylene	127-18-4	166	4.00	27.2	388	2630		20	WG2591360
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	1.83	5.40		1	WG2587092
Toluene	108-88-3	92.10	0.500	1.88	0.571	2.15		1	WG2587092
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2587092

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2587092
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2587092
Trichloroethylene	79-01-6	131	0.200	1.07	63.6	341		1	WG2587092
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2587092
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2587092
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2587092
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2587092
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2587092
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND	J4	1	WG2587092
Xylenes, Total	1330-20-7	106.16	0.600	2.61	ND	ND		1	WG2587092
m&p-Xylene		106	0.400	1.73	ND	ND		1	WG2587092
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2587092
TPH (GC/MS) Low Fraction	8006-61-9	101	200	826	779	3220		1	WG2587092
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.7				WG2587092
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.5				WG2591360

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	4.01	9.53		1	WG2587092
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2587092
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2587092
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2587092
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2587092
Bromoform	75-25-2	253	0.630	6.52	ND	ND		1	WG2587092
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2587092
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2587092
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		1	WG2587092
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2587092
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2587092
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2587092
Chloroform	67-66-3	119	0.200	0.973	4.12	20.1		1	WG2587092
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2587092
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2587092
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2587092
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2587092
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2587092
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2587092
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2587092
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2587092
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2587092
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2587092
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2587092
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2587092
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2587092
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2587092
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2587092
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2587092
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2587092
Ethanol	64-17-5	46.10	2.50	4.71	2.81	5.30		1	WG2587092
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2587092
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2587092
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.240	1.35		1	WG2587092
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.410	2.03		1	WG2587092
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2587092
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2587092
Heptane	142-82-5	100	0.200	0.818	0.243	0.994		1	WG2587092
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2587092
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2587092
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2587092
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2587092
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2587092
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2587092
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2587092
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2587092
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2587092
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2587092
2-Propanol	67-63-0	60.10	1.25	3.07	2.26	5.56		1	WG2587092
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2587092
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2587092
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2587092
Tetrachloroethylene	127-18-4	166	2.00	13.6	183	1240		10	WG2591360
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2587092
Toluene	108-88-3	92.10	0.500	1.88	0.524	1.97		1	WG2587092
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2587092

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

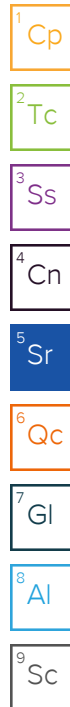
Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2587092
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2587092
Trichloroethylene	79-01-6	131	0.200	1.07	17.5	93.8		1	WG2587092
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.801	3.93		1	WG2587092
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.416	2.04		1	WG2587092
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.217	1.01		1	WG2587092
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2587092
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2587092
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND	J4	1	WG2587092
Xylenes, Total	1330-20-7	106.16	0.600	2.61	1.22	5.30		1	WG2587092
m&p-Xylene		106	0.400	1.73	0.753	3.26		1	WG2587092
o-Xylene	95-47-6	106	0.200	0.867	0.471	2.04		1	WG2587092
TPH (GC/MS) Low Fraction	8006-61-9	101	200	826	297	1230		1	WG2587092
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		94.9				WG2587092
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		105				WG2591360

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	ND	ND		1	WG2587092
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2587092
Benzene	71-43-2	78.10	0.200	0.639	0.468	1.49		1	WG2587092
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2587092
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2587092
Bromoform	75-25-2	253	0.630	6.52	ND	ND		1	WG2587092
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2587092
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2587092
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		1	WG2587092
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2587092
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2587092
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2587092
Chloroform	67-66-3	119	0.200	0.973	10.0	48.7		1	WG2587092
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2587092
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2587092
Cyclohexane	110-82-7	84.20	0.200	0.689	85.8	295		1	WG2587092
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2587092
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2587092
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2587092
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	0.533	3.20		1	WG2587092
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	2.93	17.6		1	WG2587092
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2587092
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2587092
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2587092
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	2.87	11.4		1	WG2587092
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.809	3.21		1	WG2587092
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2587092
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2587092
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2587092
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2587092
Ethanol	64-17-5	46.10	2.50	4.71	5.26	9.92		1	WG2587092
Ethylbenzene	100-41-4	106	0.200	0.867	0.940	4.08		1	WG2587092
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2587092
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.334	1.88		1	WG2587092
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	1.00	4.95		1	WG2587092
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2587092
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2587092
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2587092
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2587092
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2587092
Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.516	2.54		1	WG2587092
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.457	1.59		1	WG2587092
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2587092
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2587092
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2587092
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2587092
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2587092
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2587092
2-Propanol	67-63-0	60.10	1.25	3.07	3.30	8.11		1	WG2587092
Propene	115-07-1	42.10	1.25	2.15	13.8	23.8		1	WG2587092
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2587092
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2587092
Tetrachloroethylene	127-18-4	166	20.0	136	4090	27800		100	WG2591360
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2587092
Toluene	108-88-3	92.10	0.500	1.88	2.66	10.0		1	WG2587092
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2587092



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	0.274	1.49		1	WG2587092
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2587092
Trichloroethylene	79-01-6	131	0.200	1.07	37.3	200		1	WG2587092
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	1.45	7.12		1	WG2587092
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.470	2.31		1	WG2587092
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2587092
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2587092
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2587092
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND	J4	1	WG2587092
Xylenes, Total	1330-20-7	106.16	0.600	2.61	2.68	11.6		1	WG2587092
m&p-Xylene		106	0.400	1.73	1.15	4.99		1	WG2587092
o-Xylene	95-47-6	106	0.200	0.867	1.53	6.63		1	WG2587092
TPH (GC/MS) Low Fraction	8006-61-9	101	200	826	2060	8510		1	WG2587092
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		106				WG2587092
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		105				WG2591360

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	12.5	29.7	ND	ND		10	WG2587092
Allyl chloride	107-05-1	76.53	2.00	6.26	ND	ND		10	WG2587092
Benzene	71-43-2	78.10	2.00	6.39	285	910		10	WG2587092
Benzyl Chloride	100-44-7	127	2.00	10.4	ND	ND		10	WG2587092
Bromodichloromethane	75-27-4	164	2.00	13.4	ND	ND		10	WG2587092
Bromoform	75-25-2	253	6.30	65.2	ND	ND		10	WG2587092
Bromomethane	74-83-9	94.90	2.00	7.76	ND	ND		10	WG2587092
1,3-Butadiene	106-99-0	54.10	20.0	44.3	ND	ND		10	WG2587092
Carbon disulfide	75-15-0	76.10	4.00	12.4	ND	ND		10	WG2587092
Carbon tetrachloride	56-23-5	154	2.00	12.6	ND	ND		10	WG2587092
Chlorobenzene	108-90-7	113	2.00	9.24	ND	ND		10	WG2587092
Chloroethane	75-00-3	64.50	2.00	5.28	ND	ND		10	WG2587092
Chloroform	67-66-3	119	2.00	9.73	ND	ND		10	WG2587092
Chloromethane	74-87-3	50.50	2.00	4.13	ND	ND		10	WG2587092
2-Chlorotoluene	95-49-8	126	2.00	10.3	ND	ND		10	WG2587092
Cyclohexane	110-82-7	84.20	100	344	970	3340		500	WG2591360
Dibromochloromethane	124-48-1	208	2.00	17.0	ND	ND		10	WG2587092
1,2-Dibromoethane	106-93-4	188	2.00	15.4	ND	ND		10	WG2587092
1,2-Dichlorobenzene	95-50-1	147	2.00	12.0	ND	ND		10	WG2587092
1,3-Dichlorobenzene	541-73-1	147	2.00	12.0	ND	ND		10	WG2587092
1,4-Dichlorobenzene	106-46-7	147	2.00	12.0	ND	ND		10	WG2587092
1,2-Dichloroethane	107-06-2	99	2.00	8.10	ND	ND		10	WG2587092
1,1-Dichloroethane	75-34-3	98	2.00	8.02	ND	ND		10	WG2587092
1,1-Dichloroethene	75-35-4	96.90	2.00	7.93	ND	ND		10	WG2587092
cis-1,2-Dichloroethene	156-59-2	96.90	2.00	7.93	17.4	69.0		10	WG2587092
trans-1,2-Dichloroethene	156-60-5	96.90	2.00	7.93	ND	ND		10	WG2587092
1,2-Dichloropropane	78-87-5	113	2.00	9.24	ND	ND		10	WG2587092
cis-1,3-Dichloropropene	10061-01-5	111	2.00	9.08	ND	ND		10	WG2587092
trans-1,3-Dichloropropene	10061-02-6	111	2.00	9.08	ND	ND		10	WG2587092
1,4-Dioxane	123-91-1	88.10	6.30	22.7	ND	ND		10	WG2587092
Ethanol	64-17-5	46.10	25.0	47.1	ND	ND		10	WG2587092
Ethylbenzene	100-41-4	106	2.00	8.67	516	2240		10	WG2587092
4-Ethyltoluene	622-96-8	120	2.00	9.82	599	2940		10	WG2587092
Trichlorofluoromethane	75-69-4	137.40	2.00	11.2	ND	ND		10	WG2587092
Dichlorodifluoromethane	75-71-8	120.92	2.00	9.89	2.15	10.6		10	WG2587092
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	2.00	15.3	ND	ND		10	WG2587092
1,2-Dichlorotetrafluoroethane	76-14-2	171	2.00	14.0	ND	ND		10	WG2587092
Heptane	142-82-5	100	100	409	1880	7690		500	WG2591360
Hexachloro-1,3-butadiene	87-68-3	261	6.30	67.3	ND	ND		10	WG2587092
n-Hexane	110-54-3	86.20	315	1110	5540	19500		500	WG2591360
Isopropylbenzene	98-82-8	120.20	2.00	9.83	32.3	159		10	WG2587092
Methylene Chloride	75-09-2	84.90	2.00	6.94	ND	ND		10	WG2587092
Methyl Butyl Ketone	591-78-6	100	12.5	51.1	ND	ND		10	WG2587092
2-Butanone (MEK)	78-93-3	72.10	12.5	36.9	ND	ND		10	WG2587092
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	12.5	51.2	ND	ND		10	WG2587092
Methyl methacrylate	80-62-6	100.12	2.00	8.19	ND	ND		10	WG2587092
MTBE	1634-04-4	88.10	2.00	7.21	ND	ND		10	WG2587092
Naphthalene	91-20-3	128	6.30	33.0	43.7	229		10	WG2587092
2-Propanol	67-63-0	60.10	12.5	30.7	ND	ND		10	WG2587092
Propene	115-07-1	42.10	12.5	21.5	ND	ND		10	WG2587092
Styrene	100-42-5	104	4.00	17.0	ND	ND		10	WG2587092
1,1,2,2-Tetrachloroethane	79-34-5	168	2.00	13.7	ND	ND		10	WG2587092
Tetrachloroethylene	127-18-4	166	2.00	13.6	ND	ND		10	WG2587092
Tetrahydrofuran	109-99-9	72.10	2.00	5.90	ND	ND		10	WG2587092
Toluene	108-88-3	92.10	250	942	615	2320		500	WG2591360
1,2,4-Trichlorobenzene	120-82-1	181	6.30	46.6	ND	ND		10	WG2587092

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	2.00	10.9	ND	ND		10	WG2587092
1,1,2-Trichloroethane	79-00-5	133	2.00	10.9	ND	ND		10	WG2587092
Trichloroethylene	79-01-6	131	2.00	10.7	ND	ND		10	WG2587092
1,2,4-Trimethylbenzene	95-63-6	120	100	491	560	2750		500	WG2591360
1,3,5-Trimethylbenzene	108-67-8	120	100	491	424	2080		500	WG2591360
2,2,4-Trimethylpentane	540-84-1	114.22	100	467	5130	24000		500	WG2591360
Vinyl chloride	75-01-4	62.50	2.00	5.11	10.8	27.6		10	WG2587092
Vinyl Bromide	593-60-2	106.95	2.00	8.75	ND	ND		10	WG2587092
Vinyl acetate	108-05-4	86.10	6.30	22.2	ND	ND	J4	10	WG2587092
Xylenes, Total	1330-20-7	106.16	300	1300	3950	17200		500	WG2591360
m&p-Xylene		106	200	867	2740	11900		500	WG2591360
o-Xylene	95-47-6	106	100	434	1210	5250		500	WG2591360
TPH (GC/MS) Low Fraction	8006-61-9	101	100000	413000	ND	ND		500	WG2591360
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		147		J1		WG2587092
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		105				WG2591360

Sample Narrative:

L1891783-04 WG2587092: Surrogate failure due to matrix interference

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	ND	ND		1	WG2587092
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2587092
Benzene	71-43-2	78.10	0.200	0.639	2.85	9.10		1	WG2587092
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2587092
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2587092
Bromoform	75-25-2	253	0.630	6.52	ND	ND		1	WG2587092
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2587092
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2587092
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		1	WG2587092
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2587092
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2587092
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2587092
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2587092
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2587092
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2587092
Cyclohexane	110-82-7	84.20	0.200	0.689	1.98	6.82		1	WG2587092
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2587092
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2587092
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2587092
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2587092
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2587092
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2587092
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2587092
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2587092
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2587092
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2587092
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2587092
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2587092
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2587092
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2587092
Ethanol	64-17-5	46.10	2.50	4.71	3.31	6.24		1	WG2587092
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2587092
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.364	1.79		1	WG2587092
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2587092
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	3.89	19.2		1	WG2587092
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2587092
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2587092
Heptane	142-82-5	100	0.200	0.818	0.498	2.04		1	WG2587092
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2587092
n-Hexane	110-54-3	86.20	0.630	2.22	8.85	31.2		1	WG2587092
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2587092
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.240	0.833		1	WG2587092
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2587092
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	2.33	6.87		1	WG2587092
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2587092
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2587092
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2587092
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2587092
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2587092
Propene	115-07-1	42.10	1.25	2.15	5.15	8.87		1	WG2587092
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2587092
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2587092
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2591360
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	1.11	3.27		1	WG2587092
Toluene	108-88-3	92.10	0.500	1.88	0.563	2.12		1	WG2587092
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2587092

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2587092
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2587092
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2587092
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	1.75	8.59		1	WG2587092
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.927	4.55		1	WG2587092
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	2.02	9.44		1	WG2587092
Vinyl chloride	75-01-4	62.50	0.200	0.511	2.84	7.26		1	WG2587092
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2587092
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND	J4	1	WG2587092
Xylenes, Total	1330-20-7	106.16	0.600	2.61	2.90	12.6		1	WG2587092
m&p-Xylene		106	0.400	1.73	1.82	7.89		1	WG2587092
o-Xylene	95-47-6	106	0.200	0.867	1.08	4.68		1	WG2587092
TPH (GC/MS) Low Fraction	8006-61-9	101	200	826	ND	ND		1	WG2587092
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.6				WG2587092
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.4				WG2591360

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4264594-3 08/25/25 09:16

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.520	1.25
Allyl chloride	U		0.186	0.200
Benzene	U		0.110	0.200
Benzyl Chloride	U		0.0888	0.200
Bromodichloromethane	U		0.0695	0.200
Bromoform	U		0.0755	0.630
Bromomethane	U		0.0938	0.200
1,3-Butadiene	U		0.158	2.00
Carbon disulfide	U		0.160	0.400
Carbon tetrachloride	U		0.0746	0.200
Chlorobenzene	U		0.118	0.200
Chloroethane	U		0.110	0.200
Chloroform	U		0.104	0.200
Chloromethane	U		0.110	0.200
2-Chlorotoluene	U		0.0787	0.200
Cyclohexane	U		0.170	0.200
Dibromochloromethane	U		0.0696	0.200
1,2-Dibromoethane	U		0.0690	0.200
1,2-Dichlorobenzene	U		0.0734	0.200
1,3-Dichlorobenzene	U		0.0753	0.200
1,4-Dichlorobenzene	U		0.0768	0.200
1,2-Dichloroethane	U		0.0730	0.200
1,1-Dichloroethane	U		0.0710	0.200
1,1-Dichloroethene	U		0.0747	0.200
cis-1,2-Dichloroethene	U		0.0796	0.200
trans-1,2-Dichloroethene	U		0.0735	0.200
1,2-Dichloropropane	U		0.0752	0.200
cis-1,3-Dichloropropene	U		0.0743	0.200
trans-1,3-Dichloropropene	U		0.0795	0.200
1,4-Dioxane	U		0.164	0.630
Ethanol	U		2.37	2.50
Ethylbenzene	U		0.0778	0.200
4-Ethyltoluene	U		0.0887	0.200
Trichlorofluoromethane	U		0.0771	0.200
Dichlorodifluoromethane	U		0.0806	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0751	0.200
1,2-Dichlorotetrafluoroethane	U		0.0756	0.200
Heptane	U		0.114	0.200
Hexachloro-1,3-butadiene	U		0.0800	0.630
n-Hexane	U		0.143	0.630

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4264594-3 08/25/25 09:16

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Isopropylbenzene	U		0.0722	0.200
Methylene Chloride	U		0.169	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.116	1.25
4-Methyl-2-pentanone (MIBK)	U		0.106	1.25
Methyl methacrylate	U		0.169	0.200
MTBE	U		0.0813	0.200
Naphthalene	U		0.617	0.630
2-Propanol	U		0.680	1.25
Propene	U		0.214	1.25
Styrene	U		0.0802	0.400
1,1,2,2-Tetrachloroethane	U		0.0695	0.200
Tetrachloroethylene	U		0.111	0.200
Tetrahydrofuran	U		0.164	0.200
Toluene	U		0.130	0.500
1,2,4-Trichlorobenzene	U		0.462	0.630
1,1,1-Trichloroethane	U		0.0718	0.200
1,1,2-Trichloroethane	U		0.0683	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0927	0.200
1,3,5-Trimethylbenzene	U		0.0853	0.200
2,2,4-Trimethylpentane	U		0.0898	0.200
Vinyl chloride	U		0.0826	0.200
Vinyl Bromide	U		0.0749	0.200
Vinyl acetate	U		0.0968	0.630
Xylenes, Total	U		0.0887	0.600
m&p-Xylene	U		0.174	0.400
o-Xylene	U		0.0887	0.200
TPH (GC/MS) Low Fraction	U		68.3	200
(S) 1,4-Bromofluorobenzene	93.2			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4264594-1 08/25/25 08:20 • (LCSD) R4264594-2 08/25/25 08:49

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.32	3.29	88.5	87.7	70.0-130			0.908	25
Allyl chloride	3.75	3.50	3.44	93.3	91.7	70.0-130			1.73	25
Benzene	3.75	3.29	3.22	87.7	85.9	70.0-130			2.15	25

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

(LCS) R4264594-1 08/25/25 08:20 • (LCSD) R4264594-2 08/25/25 08:49

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzyl Chloride	3.75	4.19	3.97	112	106	70.0-152			5.39	25
Bromodichloromethane	3.75	3.45	3.38	92.0	90.1	70.0-130			2.05	25
Bromoform	3.75	3.23	3.16	86.1	84.3	70.0-130			2.19	25
Bromomethane	3.75	3.40	3.39	90.7	90.4	70.0-130			0.295	25
1,3-Butadiene	3.75	3.33	3.25	88.8	86.7	70.0-130			2.43	25
Carbon disulfide	7.50	6.96	6.84	92.8	91.2	70.0-130			1.74	25
Carbon tetrachloride	3.75	3.62	3.56	96.5	94.9	70.0-130			1.67	25
Chlorobenzene	3.75	3.52	3.47	93.9	92.5	70.0-130			1.43	25
Chloroethane	3.75	3.36	3.32	89.6	88.5	70.0-130			1.20	25
Chloroform	3.75	3.60	3.55	96.0	94.7	70.0-130			1.40	25
Chloromethane	3.75	3.24	3.19	86.4	85.1	70.0-130			1.56	25
2-Chlorotoluene	3.75	3.83	3.77	102	101	70.0-130			1.58	25
Cyclohexane	3.75	4.05	4.00	108	107	70.0-130			1.24	25
Dibromochloromethane	3.75	3.39	3.34	90.4	89.1	70.0-130			1.49	25
1,2-Dibromoethane	3.75	3.59	3.52	95.7	93.9	70.0-130			1.97	25
1,2-Dichlorobenzene	3.75	3.58	3.57	95.5	95.2	70.0-130			0.280	25
1,3-Dichlorobenzene	3.75	3.64	3.59	97.1	95.7	70.0-130			1.38	25
1,4-Dichlorobenzene	3.75	3.62	3.57	96.5	95.2	70.0-130			1.39	25
1,2-Dichloroethane	3.75	3.48	3.46	92.8	92.3	70.0-130			0.576	25
1,1-Dichloroethane	3.75	3.61	3.55	96.3	94.7	70.0-130			1.68	25
1,1-Dichloroethene	3.75	3.49	3.41	93.1	90.9	70.0-130			2.32	25
cis-1,2-Dichloroethene	3.75	3.77	3.70	101	98.7	70.0-130			1.87	25
trans-1,2-Dichloroethene	3.75	3.45	3.34	92.0	89.1	70.0-130			3.24	25
1,2-Dichloropropane	3.75	3.50	3.44	93.3	91.7	70.0-130			1.73	25
cis-1,3-Dichloropropene	3.75	3.99	3.65	106	97.3	70.0-130			8.90	25
trans-1,3-Dichloropropene	3.75	3.77	3.68	101	98.1	70.0-130			2.42	25
1,4-Dioxane	3.75	3.86	3.79	103	101	70.0-140			1.83	25
Ethanol	3.75	2.71	2.60	72.3	69.3	55.0-148			4.14	25
Ethylbenzene	3.75	3.92	3.87	105	103	70.0-130			1.28	25
4-Ethyltoluene	3.75	4.03	4.00	107	107	70.0-130			0.747	25
Trichlorofluoromethane	3.75	3.55	3.49	94.7	93.1	70.0-130			1.70	25
Dichlorodifluoromethane	3.75	3.44	3.42	91.7	91.2	64.0-139			0.583	25
1,1,2-Trichlorotrifluoroethane	3.75	3.45	3.42	92.0	91.2	70.0-130			0.873	25
1,2-Dichlorotetrafluoroethane	3.75	3.34	3.32	89.1	88.5	70.0-130			0.601	25
Heptane	3.75	3.75	3.69	100	98.4	70.0-130			1.61	25
Hexachloro-1,3-butadiene	3.75	3.51	3.50	93.6	93.3	70.0-151			0.285	25
n-Hexane	3.75	3.89	3.77	104	101	70.0-130			3.13	25
Isopropylbenzene	3.75	3.80	3.75	101	100	70.0-130			1.32	25
Methylene Chloride	3.75	3.30	3.21	88.0	85.6	70.0-130			2.76	25
Methyl Butyl Ketone	3.75	3.86	3.79	103	101	70.0-149			1.83	25

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4264594-1 08/25/25 08:20 • (LCSD) R4264594-2 08/25/25 08:49

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
2-Butanone (MEK)	3.75	4.04	3.91	108	104	70.0-130			3.27	25
4-Methyl-2-pentanone (MIBK)	3.75	3.33	3.33	88.8	88.8	70.0-139			0.000	25
Methyl methacrylate	3.75	3.86	3.78	103	101	70.0-130			2.09	25
MTBE	3.75	4.12	4.01	110	107	70.0-130			2.71	25
Naphthalene	3.75	3.95	3.91	105	104	70.0-159			1.02	25
2-Propanol	3.75	3.43	3.35	91.5	89.3	70.0-139			2.36	25
Propene	3.75	3.80	3.70	101	98.7	64.0-144			2.67	25
Styrene	7.50	8.21	8.10	109	108	70.0-130			1.35	25
1,1,2,2-Tetrachloroethane	3.75	3.51	3.42	93.6	91.2	70.0-130			2.60	25
Tetrachloroethylene	3.75	3.53	3.53	94.1	94.1	70.0-130			0.000	25
Tetrahydrofuran	3.75	4.03	3.84	107	102	70.0-137			4.83	25
Toluene	3.75	3.86	3.80	103	101	70.0-130			1.57	25
1,2,4-Trichlorobenzene	3.75	3.58	3.52	95.5	93.9	70.0-160			1.69	25
1,1,1-Trichloroethane	3.75	3.77	3.70	101	98.7	70.0-130			1.87	25
1,1,2-Trichloroethane	3.75	3.49	3.48	93.1	92.8	70.0-130			0.287	25
Trichloroethylene	3.75	3.54	3.51	94.4	93.6	70.0-130			0.851	25
1,2,4-Trimethylbenzene	3.75	4.05	3.99	108	106	70.0-130			1.49	25
1,3,5-Trimethylbenzene	3.75	4.05	3.99	108	106	70.0-130			1.49	25
2,2,4-Trimethylpentane	3.75	3.89	3.81	104	102	70.0-130			2.08	25
Vinyl chloride	3.75	3.31	3.28	88.3	87.5	70.0-130			0.910	25
Vinyl Bromide	3.75	3.44	3.40	91.7	90.7	70.0-130			1.17	25
Vinyl acetate	3.75	5.04	4.57	134	122	70.0-130	J4		9.78	25
Xylenes, Total	11.3	12.0	11.8	106	104	70.0-130			1.68	25
m&p-Xylene	7.50	7.99	7.85	107	105	70.0-130			1.77	25
o-Xylene	3.75	4.00	3.94	107	105	70.0-130			1.51	25
TPH (GC/MS) Low Fraction	188	160	157	85.1	83.5	70.0-130			1.89	25
(S) 1,4-Bromofluorobenzene				98.6	98.8	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4267052-3 08/30/25 09:32

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Cyclohexane	U		0.170	0.200
Heptane	U		0.114	0.200
n-Hexane	U		0.143	0.630
Tetrachloroethylene	U		0.111	0.200
Toluene	U		0.130	0.500
1,2,4-Trimethylbenzene	U		0.0927	0.200
1,3,5-Trimethylbenzene	U		0.0853	0.200
2,2,4-Trimethylpentane	U		0.0898	0.200
Xylenes, Total	U		0.0887	0.600
m&p-Xylene	U		0.174	0.400
o-Xylene	U		0.0887	0.200
TPH (GC/MS) Low Fraction	U		68.3	200
(S) 1,4-Bromofluorobenzene	105			60.0-140

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

(LCS) R4267052-1 08/30/25 08:36 • (LCSD) R4267052-2 08/30/25 09:05

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Cyclohexane	3.75	3.74	3.78	99.7	101	70.0-130			1.06	25
Heptane	3.75	4.01	3.98	107	106	70.0-130			0.751	25
n-Hexane	3.75	3.86	3.84	103	102	70.0-130			0.519	25
Tetrachloroethylene	3.75	3.52	3.58	93.9	95.5	70.0-130			1.69	25
Toluene	3.75	3.71	3.73	98.9	99.5	70.0-130			0.538	25
1,2,4-Trimethylbenzene	3.75	3.81	3.77	102	101	70.0-130			1.06	25
1,3,5-Trimethylbenzene	3.75	3.80	3.75	101	100	70.0-130			1.32	25
2,2,4-Trimethylpentane	3.75	3.89	3.91	104	104	70.0-130			0.513	25
Xylenes, Total	11.3	11.4	11.3	101	100	70.0-130			0.881	25
m&p-Xylene	7.50	7.57	7.47	101	99.6	70.0-130			1.33	25
o-Xylene	3.75	3.81	3.78	102	101	70.0-130			0.791	25
TPH (GC/MS) Low Fraction	188	190	192	101	102	70.0-130			1.05	25
(S) 1,4-Bromofluorobenzene				102	105	60.0-140				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	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.
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.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
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.
J4	The associated batch QC was outside the established quality control range for accuracy.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCREDITATIONS & LOCATIONS

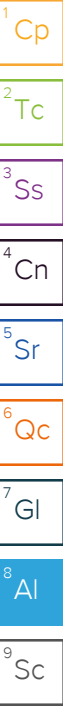
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

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

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

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



Pace® Location Requested (City/State):			Air CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields																	
Company Name: Engineering/Remediation Resources Group			Contact/Report To: Jennifer Sonnichsen																	
Street Address: 15333 NE 90th Street			Phone #: 425-658-5026																	
			E-Mail: jennifer.sonnichsen@errg.com; spencer.slominski@erra.com; fernando.idarte@erra.com																	
City, State Zip:			Cc E-Mail:																	
Customer Project #:			Invoice to:																	
Project Name:			Invoice:																	
Site Collection Info/Facility ID (as applicable): ENGREMRWA-CIRCLE K			E-Mail:																	
Time Zone Collected: [] AK [X] PT [] MT [] CT [] ET			Purchase Order # (if applicable):																	
			Quote #:																	
			State origin of sample(s):																	
Data Deliverables: [] Level II [] Level III [] Level IV [] EQUIS [] Other EPM			Regulatory Program (CAA, RCRA, etc.) as applicable: Rush (Pre-approval required): 2 Day 3 day 5 day Other _____ Permit # as applicable: Units for Reporting: ug/m³ PPBV mg/m³ PPMV																	
* Matrix Codes (Insert in Matrix box below): Ambient (A), Indoor (I), Soil Vapor (SV), Other (O)																				
Customer Sample ID			Matrix *	Summa Canister ID	Flow Controller ID	Begin Collection		End Collection		Canister Pressure / Vacuum		PUF / FILTER		Field Information	Analyses Requested	Lab Use Only	Proj. Manager: 3500 - Jennifer Gambill			
						Date	Time	Date	Time	Start Pressure / Vacuum (in Hg)	End Pressure / Vacuum (in Hg)	Duration (minutes)	Flow Rate m³/min or L/min				Total Volume Sampled m³ or L	TO-15 Summa	AcctNum / Client ID: ENGREMRWA	
SSD-3-250822			SV	12788	2964	8/22	1420	8/25	1425	230	5							X	-01	
VP-3-250822				2948	2933		1430		1435	29	5							X	-02	
VP-4-250822				582	9229		1440		1445	29	4							X	-03	
VG-411-INF-20250822				2459	10592		1400		1405	29	5							X	-04	
VG-412-EPP-20250822				15200	11555		1410		1415	230	4				X	-05				
Customer Remarks / Special Conditions / Possible Hazards:			Collected By: ERRG Printed Name: Fernando Idarte Signature: [Signature]								Additional Instructions from Pace®:									
Relinquished by/Company: (Signature) [Signature]			Date/Time: 8/22/25 1000		Received by/Company: (Signature) REDEX								Date/Time: 8-23-25 0900				Tracking Number:			
Relinquished by/Company: (Signature)			Date/Time:		Received by/Company: (Signature)								Date/Time:				Delivered by: In-Person Courier			
Relinquished by/Company: (Signature)			Date/Time:		Received by/Company: (Signature)								Date/Time:				FedEX UPS Other			
Relinquished by/Company: (Signature)			Date/Time:		Received by/Company: (Signature)								Date/Time:				Page: 1 of: 1			

Multiple Parcel Form

L# LB91783

[illegible]

[Signature]

Name

8-23-25

Date _____

Engineering/Remediation Resources Group

Sample Delivery Group: L1891884
Samples Received: 08/23/2025
Project Number: 20230068
Description: Former Circle K 1461
Site: 1461
Report To: Jennifer Sonnichsen
15333 NE 90th Street
Ste 100
Redmond, WA 98052

Entire Report Reviewed By:



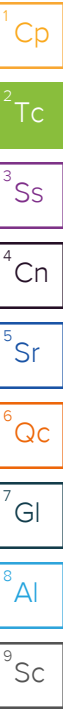
Jennifer Gambill
Project Manager

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

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

LG-401-INF-250822 L1891884-01

Collected by
FL

Collected date/time
08/22/25 13:35

Received date/time
08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 1664B	WG2589365	1	08/29/25 06:29	08/29/25 11:42	ANW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2588446	1	08/27/25 06:38	08/27/25 06:38	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2589118	1	08/27/25 18:14	08/27/25 18:14	NCD	Mt. Juliet, TN

LG-402-MID-250822 L1891884-02

Collected by
FL

Collected date/time
08/22/25 13:45

Received date/time
08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 1664B	WG2589365	1	08/29/25 06:29	08/29/25 11:42	ANW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2588446	1	08/27/25 06:58	08/27/25 06:58	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2589118	1	08/27/25 18:33	08/27/25 18:33	NCD	Mt. Juliet, TN

LG-404-EFF-250822 L1891884-03

Collected by
FL

Collected date/time
08/22/25 13:15

Received date/time
08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 1664B	WG2589365	1	08/29/25 06:29	08/29/25 11:42	ANW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2588446	1	08/27/25 07:18	08/27/25 07:18	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2589118	1	08/27/25 18:52	08/27/25 18:52	NCD	Mt. Juliet, TN

DUP-1-250822 L1891884-04

Collected by
FL

Collected date/time
08/22/25 13:20

Received date/time
08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 1664B	WG2589365	1	08/29/25 06:29	08/29/25 11:42	ANW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2588446	1	08/27/25 07:38	08/27/25 07:38	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2589118	1	08/27/25 19:11	08/27/25 19:11	NCD	Mt. Juliet, TN

DUP-2-250822 L1891884-05

Collected by
FL

Collected date/time
08/22/25 13:25

Received date/time
08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 1664B	WG2589365	1	08/29/25 06:29	08/29/25 11:42	ANW	Mt. Juliet, TN

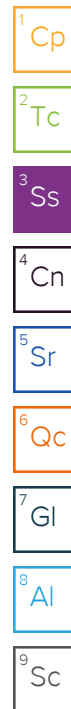
TRIP BLANK L1891884-06

Collected by
FL

Collected date/time
08/22/25 13:55

Received date/time
08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2588446	1	08/27/25 00:18	08/27/25 00:18	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2589118	1	08/27/25 16:19	08/27/25 16:19	NCD	Mt. Juliet, TN

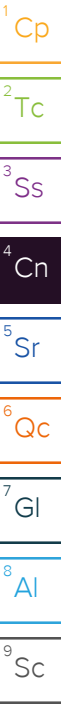


CASE NARRATIVE

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.



Jennifer Gambill
Project Manager



Wet Chemistry by Method 1664B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Oil & Grease (Hexane Extr)	ND		5.95	1	08/29/2025 11:42	WG2589365

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Gasoline Range Organics-NWTPH	ND		100	1	08/27/2025 06:38	WG2588446
(S) a,a,a-Trifluorotoluene(FID)	99.2		78.0-120		08/27/2025 06:38	WG2588446

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	08/27/2025 18:14	WG2589118
Ethylbenzene	ND		1.00	1	08/27/2025 18:14	WG2589118
Toluene	ND		1.00	1	08/27/2025 18:14	WG2589118
Xylenes, Total	ND		3.00	1	08/27/2025 18:14	WG2589118
Trichloroethene	ND		1.00	1	08/27/2025 18:14	WG2589118
cis-1,2-Dichloroethene	ND		1.00	1	08/27/2025 18:14	WG2589118
trans-1,2-Dichloroethene	ND		1.00	1	08/27/2025 18:14	WG2589118
Tetrachloroethene	1.13		1.00	1	08/27/2025 18:14	WG2589118
Vinyl chloride	ND		1.00	1	08/27/2025 18:14	WG2589118
(S) Toluene-d8	104		80.0-120		08/27/2025 18:14	WG2589118
(S) 4-Bromofluorobenzene	105		77.0-126		08/27/2025 18:14	WG2589118
(S) 1,2-Dichloroethane-d4	107		70.0-130		08/27/2025 18:14	WG2589118

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 1664B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Oil & Grease (Hexane Extr)	ND		5.88	1	08/29/2025 11:42	WG2589365

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Gasoline Range Organics-NWTPH	ND		100	1	08/27/2025 06:58	WG2588446
(S) a,a,a-Trifluorotoluene(FID)	100		78.0-120		08/27/2025 06:58	WG2588446

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	08/27/2025 18:33	WG2589118
Ethylbenzene	ND		1.00	1	08/27/2025 18:33	WG2589118
Toluene	ND		1.00	1	08/27/2025 18:33	WG2589118
Xylenes, Total	ND		3.00	1	08/27/2025 18:33	WG2589118
Trichloroethene	ND		1.00	1	08/27/2025 18:33	WG2589118
cis-1,2-Dichloroethene	ND		1.00	1	08/27/2025 18:33	WG2589118
trans-1,2-Dichloroethene	ND		1.00	1	08/27/2025 18:33	WG2589118
Tetrachloroethene	ND		1.00	1	08/27/2025 18:33	WG2589118
Vinyl chloride	ND		1.00	1	08/27/2025 18:33	WG2589118
(S) Toluene-d8	101		80.0-120		08/27/2025 18:33	WG2589118
(S) 4-Bromofluorobenzene	105		77.0-126		08/27/2025 18:33	WG2589118
(S) 1,2-Dichloroethane-d4	110		70.0-130		08/27/2025 18:33	WG2589118

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 1664B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Oil & Grease (Hexane Extr)	ND		5.75	1	08/29/2025 11:42	WG2589365

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Gasoline Range Organics-NWTPH	ND		100	1	08/27/2025 07:18	WG2588446
(S) a,a,a-Trifluorotoluene(FID)	100		78.0-120		08/27/2025 07:18	WG2588446

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	08/27/2025 18:52	WG2589118
Ethylbenzene	ND		1.00	1	08/27/2025 18:52	WG2589118
Toluene	ND		1.00	1	08/27/2025 18:52	WG2589118
Xylenes, Total	ND		3.00	1	08/27/2025 18:52	WG2589118
Trichloroethene	ND		1.00	1	08/27/2025 18:52	WG2589118
cis-1,2-Dichloroethene	ND		1.00	1	08/27/2025 18:52	WG2589118
trans-1,2-Dichloroethene	ND		1.00	1	08/27/2025 18:52	WG2589118
Tetrachloroethene	ND		1.00	1	08/27/2025 18:52	WG2589118
Vinyl chloride	ND		1.00	1	08/27/2025 18:52	WG2589118
(S) Toluene-d8	94.9		80.0-120		08/27/2025 18:52	WG2589118
(S) 4-Bromofluorobenzene	104		77.0-126		08/27/2025 18:52	WG2589118
(S) 1,2-Dichloroethane-d4	111		70.0-130		08/27/2025 18:52	WG2589118

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 1664B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Oil & Grease (Hexane Extr)	ND		5.56	1	08/29/2025 11:42	WG2589365

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Gasoline Range Organics-NWTPH	ND		100	1	08/27/2025 07:38	WG2588446
(S) a,a,a-Trifluorotoluene(FID)	99.7		78.0-120		08/27/2025 07:38	WG2588446

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	08/27/2025 19:11	WG2589118
Ethylbenzene	ND		1.00	1	08/27/2025 19:11	WG2589118
Toluene	ND		1.00	1	08/27/2025 19:11	WG2589118
Xylenes, Total	ND		3.00	1	08/27/2025 19:11	WG2589118
Trichloroethene	ND		1.00	1	08/27/2025 19:11	WG2589118
cis-1,2-Dichloroethene	ND		1.00	1	08/27/2025 19:11	WG2589118
trans-1,2-Dichloroethene	ND		1.00	1	08/27/2025 19:11	WG2589118
Tetrachloroethene	ND		1.00	1	08/27/2025 19:11	WG2589118
Vinyl chloride	ND		1.00	1	08/27/2025 19:11	WG2589118
(S) Toluene-d8	99.4		80.0-120		08/27/2025 19:11	WG2589118
(S) 4-Bromofluorobenzene	97.2		77.0-126		08/27/2025 19:11	WG2589118
(S) 1,2-Dichloroethane-d4	108		70.0-130		08/27/2025 19:11	WG2589118

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 1664B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Oil & Grease (Hexane Extr)	ND		5.81	1	08/29/2025 11:42	WG2589365

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND		100	1	08/27/2025 00:18	WG2588446
(S) a,a,a-Trifluorotoluene(FID)	99.9		78.0-120		08/27/2025 00:18	WG2588446

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/27/2025 16:19	WG2589118
Ethylbenzene	ND		1.00	1	08/27/2025 16:19	WG2589118
Toluene	ND		1.00	1	08/27/2025 16:19	WG2589118
Xylenes, Total	ND		3.00	1	08/27/2025 16:19	WG2589118
Trichloroethene	ND		1.00	1	08/27/2025 16:19	WG2589118
cis-1,2-Dichloroethene	ND		1.00	1	08/27/2025 16:19	WG2589118
trans-1,2-Dichloroethene	ND		1.00	1	08/27/2025 16:19	WG2589118
Tetrachloroethene	ND		1.00	1	08/27/2025 16:19	WG2589118
Vinyl chloride	ND		1.00	1	08/27/2025 16:19	WG2589118
(S) Toluene-d8	96.1		80.0-120		08/27/2025 16:19	WG2589118
(S) 4-Bromofluorobenzene	101		77.0-126		08/27/2025 16:19	WG2589118
(S) 1,2-Dichloroethane-d4	111		70.0-130		08/27/2025 16:19	WG2589118

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Method Blank (MB)

(MB) R4266111-1 08/29/25 11:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Oil & Grease (Hexane Extr)	U		1.40	5.00

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

(LCS) R4266111-2 08/29/25 11:42 • (LCSD) R4266111-3 08/29/25 11:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Oil & Grease (Hexane Extr)	40.0	39.2	38.0	98.0	95.0	78.0-114			3.11	20

L1891881-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1891881-01 08/29/25 11:42 • (MS) R4266111-4 08/29/25 11:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Oil & Grease (Hexane Extr)	40.0	ND	23.1	57.8	1	78.0-114	J6

Method Blank (MB)

(MB) R4264877-3 08/26/25 23:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		78.6	100
(S) a,a,a-Trifluorotoluene(FID)	99.5			78.0-120

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

(LCS) R4264877-1 08/26/25 21:33 • (LCSD) R4264877-2 08/26/25 22:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5000	4510	4670	90.2	93.4	70.0-124			3.49	20
(S) a,a,a-Trifluorotoluene(FID)				102	103	78.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4267164-3 08/27/25 13:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.320	1.00
Ethylbenzene	U		0.234	1.00
Toluene	U		0.274	1.00
Xylenes, Total	U		0.319	3.00
Trichloroethene	U		0.383	1.00
cis-1,2-Dichloroethene	U		0.323	1.00
trans-1,2-Dichloroethene	U		0.348	1.00
Tetrachloroethene	U		0.358	1.00
Vinyl chloride	U		0.458	1.00
(S) Toluene-d8	96.3			80.0-120
(S) 4-Bromofluorobenzene	103			77.0-126
(S) 1,2-Dichloroethane-d4	110			70.0-130

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

(LCS) R4267164-1 08/27/25 12:27 • (LCSD) R4267164-2 08/27/25 12:46

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	25.0	25.4	24.6	102	98.4	70.0-123			3.20	20
Ethylbenzene	25.0	25.8	24.5	103	98.0	79.0-123			5.17	20
Toluene	25.0	24.1	23.7	96.4	94.8	79.0-120			1.67	20
Xylenes, Total	75.0	80.1	75.0	107	100	79.0-123			6.58	20
Trichloroethene	25.0	24.2	24.9	96.8	99.6	78.0-124			2.85	20
cis-1,2-Dichloroethene	25.0	26.1	25.0	104	100	73.0-120			4.31	20
trans-1,2-Dichloroethene	25.0	27.0	25.2	108	101	73.0-120			6.90	20
Tetrachloroethene	25.0	26.6	25.7	106	103	72.0-132			3.44	20
Vinyl chloride	25.0	25.3	23.4	101	93.6	67.0-131			7.80	20
(S) Toluene-d8				99.2	99.3	80.0-120				
(S) 4-Bromofluorobenzene				102	100	77.0-126				
(S) 1,2-Dichloroethane-d4				119	118	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	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.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
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¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCREDITATIONS & LOCATIONS

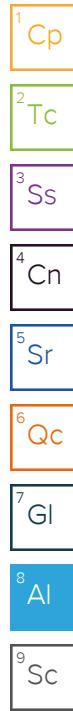
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

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

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

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



Company Name/Address:
Engineering/Remediation Resources Group

15333 NE 90th Street

Report to:
Jennifer Sonnichsen 425-658-5026

Project Description:
Former Circle K 1461

Regulatory Program(DOD,RCRA,DW,etc):
ECOLOGY EIM

Collected by (print):
F1

Collected by (signature):

Immediately Packed on Ice N Y /

Billing Information:
Jennifer Sonnichsen | Accounts Payable
15333 NE 90th Street
Ste 100
Redmond, WA 98073

Email To:
jennifer.sonnichsen@errg.com;spencer.slomins

City/State Collected:
Seattle WA

Please Circle:
☒ PT ☐ MT ☐ CT ☐ ET

Client Project #
20230068

Site/Facility ID #
1461

Rush? (Lab MUST Be Notified)
☐ Same Day ☐ Five Day
☐ Next Day ☐ 5 Day (Rad Only)
☐ Two Day ☐ 10 Day (Rad Only)
☐ Three Day ☐ STD TAT

Lab Project #
ENGREMRWA-CIRCLE K

P.O. #

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Pres Chk

NWTPHGX 40mlAmb HCl

OGHEX 1L-Cr-WT-HCl

V8260 40mlAmb-HCl

V8260 40mlAmb-HCl-Bik

Chain of Custody Page 1 of 1

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>

SNG # **1891684**

B063

Acctnum: **ENGREMRWA**

Template: **T266415**

Prelogin: **P1164154**

PM: **3500 - Jennifer Gambioli**

PB: **BW 719**

Shipped Via: **FedEX Ground**

Remarks

Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 40mlAmb HCl	OGHEX 1L-Cr-WT-HCl	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Bik										
LG-401-INF-250822	GRAB	GW	N/A	8/22/25	1335	8	X	X	X											
LG-402-MID-250822		GW			1345	8	X	X	X											
LG-404-EFF-250822		GW			1315	8	X	X	X											
DUP-1-250822		GW			1320	8	X	X	X											
DUP-2-250822		GW			1325	2		X												
		GW				2		X												
TRIP BLANK TB-01-250822	GRAB	GW	N/A	8/22/25	1355	2	X			X										
		GW				8	X	X	X											

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

Remarks:
VOCs- BTEX, TCE, cDCE, tDCE, PCE, VC Only

Samples returned via:
☐ UPS ☐ FedEx ☐ Courier

Tracking # **4580 6316 1977**

Relinquished by: (Signature)

Date: **8/22/25**

Time: **1600**

Received by: (Signature) **FEDEx**

Trip Blank Received: Yes / No
☒ Yes ☐ No
HCL / MeOH TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: **71.4 °C**

Bottles Received: **32**

If preservation required by Log: Yes / No
☐ Yes ☒ No

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Date:

Time:

Hold:

Condition:
☒ NCP ☐ OK

Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N

COC Signed/Accurate: ☒ Y ☐ N

Bottles arrive intact: ☒ Y ☐ N

Correct bottles used: ☒ Y ☐ N

Sufficient volume sent: ☒ Y ☐ N

If Applicable

VOA Zero Headspace: ☐ Y ☒ N

Preservation Correct/Checked: ☒ Y ☐ N

RAD Screen <0.5 mR/hr: ☒ Y ☐ N

08/23-NCF-L1891884-ENGREMRWA PM

R5

Time estimate: 0h

Time spent: 0h

Members

 Paul Minnich (responsible)

- ☐ Parameter(s) past holding time
- ☐ Temperature not in range
- ☐ Improper container type
- ☐ pH not in range
- ☐ Insufficient sample volume
- ☐ Sample is biphasic
- ☐ Vials received with headspace
- ☒ Broken container
- ☒ Sufficient sample remains
- ☐ If broken container: Insufficient packing material around container
- ☐ If broken container: Insufficient packing material inside cooler
- ☐ If broken container: Improper handling by carrier: _____
- ☐ If broken container: Sample was frozen
- ☐ If broken container: Container lid not intact
- ☐ Client informed by Call
- ☐ Client informed by Email
- ☐ Client informed by Voicemail
- ☐ Date/Time: _____
- ☐ PM initials: _____
- ☐ Client Contact: _____

Comments

Paul Minnich

24 August 2025 12:47 AM

Samples -01 and -02 lost one HCl vial each in transit.