

**PO&G Resources - Houston, TX**

Sample Delivery Group: L1783093  
Samples Received: 09/28/2024  
Project Number:  
Description: E. Colorado  
Site: LOWE B-2 TB  
Report To: Rick Eggleston  
5487 San Felipe Ste 3200  
Houston, TX 77057

Entire Report Reviewed By:



Mark W. Beasley  
Project Manager

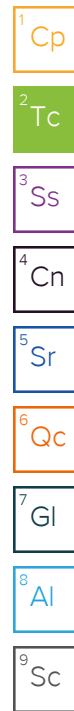
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**Pace Analytical National**

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

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<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

# SAMPLE SUMMARY

## TBBG-2 L1783093-01 Solid

Collected by Rick Eggeston    Collected date/time 09/25/24 16:10    Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376079	1	10/08/24 14:53	10/08/24 14:53	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2374726	1	10/08/24 22:43	10/09/24 09:37	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2378071	1	10/08/24 14:26	10/08/24 16:20	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378074	1	10/08/24 14:30	10/08/24 18:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2376081	1	10/05/24 13:13	10/08/24 16:50	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2375381	5	10/09/24 17:17	10/11/24 02:38	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2375381	5	10/09/24 17:17	10/11/24 18:25	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2376335	1	10/02/24 21:49	10/05/24 00:07	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2377086	1	10/02/24 21:49	10/07/24 08:17	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2378376	1	10/09/24 08:50	10/09/24 18:40	SGB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2380708	1	10/12/24 10:38	10/15/24 17:17	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2378360	1	10/09/24 09:11	10/10/24 03:34	HLA	Mt. Juliet, TN



## TBBG-4 L1783093-02 Solid

Collected by Rick Eggeston    Collected date/time 09/25/24 16:40    Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376079	1	10/08/24 14:54	10/08/24 14:54	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2374726	1	10/08/24 22:43	10/09/24 09:48	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2378071	1	10/08/24 14:26	10/08/24 16:20	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378074	1	10/08/24 14:30	10/08/24 18:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2376081	1	10/05/24 13:13	10/08/24 16:53	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2375381	5	10/09/24 17:17	10/11/24 02:41	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2375381	5	10/09/24 17:17	10/11/24 18:28	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2376335	1.01	10/02/24 21:49	10/05/24 00:26	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2377086	1	10/02/24 21:49	10/07/24 08:37	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2378376	1	10/09/24 08:50	10/09/24 19:22	SGB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2380708	1	10/12/24 10:38	10/15/24 17:54	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2378360	1	10/09/24 09:11	10/10/24 03:52	HLA	Mt. Juliet, TN

## TBFL90-10 L1783093-03 Solid

Collected by Rick Eggeston    Collected date/time 09/25/24 10:29    Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:14	10/09/24 02:14	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2376335	1	10/02/24 21:49	10/05/24 00:46	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2378376	1	10/09/24 08:50	10/09/24 18:12	SGB	Mt. Juliet, TN

## TBFL90N-10 L1783093-04 Solid

Collected by Rick Eggeston    Collected date/time 09/25/24 10:22    Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376079	1	10/08/24 14:56	10/08/24 14:56	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2376335	1.01	10/02/24 21:49	10/05/24 01:05	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2378376	1	10/09/24 08:50	10/09/24 19:36	SGB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2380708	1	10/12/24 10:38	10/15/24 18:19	KKS	Mt. Juliet, TN

# SAMPLE SUMMARY

## TBFL90E-10 L1783093-05 Solid

Collected by Rick Eggeston    Collected date/time 09/25/24 15:53    Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:16	10/09/24 02:16	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2376335	1	10/02/24 21:49	10/05/24 01:29	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2378376	100	10/09/24 08:50	10/09/24 22:52	KKS	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

## TBFL90W-10 L1783093-06 Solid

Collected by Rick Eggeston    Collected date/time 09/25/24 10:18    Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:18	10/09/24 02:18	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2376335	1	10/02/24 21:49	10/05/24 01:49	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2380817	1	10/13/24 08:43	10/14/24 23:00	KKS	Mt. Juliet, TN

4 Cn

5 Sr

6 Qc

## TBFL90S-10 L1783093-07 Solid

Collected by Rick Eggeston    Collected date/time 09/25/24 10:49    Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:20	10/09/24 02:20	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2376335	1	10/02/24 21:49	10/05/24 02:08	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2380817	1	10/13/24 08:43	10/14/24 23:13	KKS	Mt. Juliet, TN

7 Gl

8 Al

9 Sc

## TBT1S-10 L1783093-08 Solid

Collected by Rick Eggeston    Collected date/time 09/25/24 12:02    Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:21	10/09/24 02:21	DJS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2374726	1	10/08/24 22:43	10/09/24 09:58	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2378656	1	10/09/24 11:30	10/09/24 11:30	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378649	1	10/09/24 09:40	10/09/24 14:55	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2376081	1	10/05/24 13:13	10/08/24 16:56	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2375381	5	10/09/24 17:17	10/11/24 02:22	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2375381	5	10/09/24 17:17	10/11/24 18:08	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2376335	1	10/02/24 21:49	10/05/24 02:27	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2377086	1	10/02/24 21:49	10/07/24 08:57	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2378378	1	10/09/24 21:05	10/10/24 17:44	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2378360	1	10/09/24 09:11	10/10/24 04:10	HLA	Mt. Juliet, TN

## TBT1SFL90-10 L1783093-09 Solid

Collected by Rick Eggeston    Collected date/time 09/25/24 15:39    Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:23	10/09/24 02:23	DJS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2374726	1	10/08/24 22:43	10/09/24 10:09	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2378656	1	10/09/24 11:30	10/09/24 11:30	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378649	1	10/09/24 09:40	10/09/24 14:55	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2376081	1	10/05/24 13:13	10/08/24 17:04	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2375381	5	10/09/24 17:17	10/11/24 02:44	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2375381	5	10/09/24 17:17	10/11/24 18:31	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2376335	1	10/02/24 21:49	10/05/24 02:47	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2377086	1	10/02/24 21:49	10/07/24 09:17	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2378378	1	10/09/24 21:05	10/10/24 17:19	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2378360	1	10/09/24 09:11	10/10/24 04:27	HLA	Mt. Juliet, TN

# SAMPLE SUMMARY

## TBT2-10 L1783093-10 Solid

Collected by Rick Eggeston    Collected date/time 09/25/24 12:16    Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:25	10/09/24 02:25	DJS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2378656	1	10/09/24 11:30	10/09/24 11:30	BJM	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

## TBT2W-10 L1783093-11 Solid

Collected by Rick Eggeston    Collected date/time 09/25/24 12:29    Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376079	1	10/08/24 14:58	10/08/24 14:58	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2378071	1	10/08/24 14:26	10/08/24 16:20	KRB	Mt. Juliet, TN

4 Cn

5 Sr

6 Qc

## TBT2WFL90-10 L1783093-12 Solid

Collected by Rick Eggeston    Collected date/time 09/25/24 15:24    Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:27	10/09/24 02:27	DJS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378649	1	10/09/24 09:40	10/09/24 14:55	KRB	Mt. Juliet, TN

7 Gl

8 Al

9 Sc

## TBT2WFL90E-10 L1783093-13 Solid

Collected by Rick Eggeston    Collected date/time 09/25/24 15:26    Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:32	10/09/24 02:32	DJS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378649	1	10/09/24 09:40	10/09/24 14:55	KRB	Mt. Juliet, TN

## TBT3-10 L1783093-14 Solid

Collected by Rick Eggeston    Collected date/time 09/25/24 12:43    Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:34	10/09/24 02:34	DJS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2378656	1	10/09/24 11:30	10/09/24 11:30	BJM	Mt. Juliet, TN

## TBT3W-10 L1783093-15 Solid

Collected by Rick Eggeston    Collected date/time 09/25/24 12:46    Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376079	1	10/08/24 14:59	10/08/24 14:59	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2378071	1	10/08/24 14:26	10/08/24 16:20	KRB	Mt. Juliet, TN

## TBT3FL90-10 L1783093-16 Solid

Collected by Rick Eggeston    Collected date/time 09/25/24 15:03    Received date/time 09/28/24 09:00

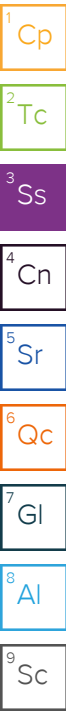
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:35	10/09/24 02:35	DJS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378649	1	10/09/24 09:40	10/09/24 14:55	KRB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2376379	1	10/02/24 21:49	10/05/24 09:04	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2378378	1	10/09/24 21:05	10/10/24 17:07	KDB	Mt. Juliet, TN

# SAMPLE SUMMARY

## TBT3FL90E-10 L1783093-17 Solid

Collected by Rick Eggeston      Collected date/time 09/25/24 15:06      Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:37	10/09/24 02:37	DJS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378649	1	10/09/24 09:40	10/09/24 14:55	KRB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2376379	1	10/02/24 21:49	10/05/24 09:23	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2378378	1	10/09/24 21:05	10/11/24 13:51	KKS	Mt. Juliet, TN



## TBT4-10 L1783093-18 Solid

Collected by Rick Eggeston      Collected date/time 09/25/24 13:04      Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:39	10/09/24 02:39	DJS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378649	1	10/09/24 09:40	10/09/24 14:55	KRB	Mt. Juliet, TN

## TBT4W-10 L1783093-19 Solid

Collected by Rick Eggeston      Collected date/time 09/25/24 13:08      Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:41	10/09/24 02:41	DJS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378649	1	10/09/24 09:40	10/09/24 14:55	KRB	Mt. Juliet, TN

## TBT4FL90-10 L1783093-20 Solid

Collected by Rick Eggeston      Collected date/time 09/25/24 14:33      Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:43	10/09/24 02:43	DJS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378649	1	10/09/24 09:40	10/09/24 14:55	KRB	Mt. Juliet, TN

## TBT4FL90E-10 L1783093-21 Solid

Collected by Rick Eggeston      Collected date/time 09/25/24 14:36      Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:44	10/09/24 02:44	DJS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378649	1	10/09/24 09:40	10/09/24 14:55	KRB	Mt. Juliet, TN

## TBT5-10 L1783093-22 Solid

Collected by Rick Eggeston      Collected date/time 09/25/24 13:24      Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:46	10/09/24 02:46	DJS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378649	1	10/09/24 09:40	10/09/24 14:55	KRB	Mt. Juliet, TN

## TBT5NN-10 L1783093-23 Solid

Collected by Rick Eggeston      Collected date/time 09/25/24 13:45      Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 02:48	10/09/24 02:48	DJS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378649	1	10/09/24 09:40	10/09/24 14:55	KRB	Mt. Juliet, TN

# SAMPLE SUMMARY

## TBT5W-10 L1783093-24 Solid

Collected by Rick Eggeston      Collected date/time 09/25/24 13:25      Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376079	1	10/08/24 15:01	10/08/24 15:01	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378074	1	10/08/24 14:30	10/08/24 18:35	KRB	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

## TBT5FL90-10 L1783093-25 Solid

Collected by Rick Eggeston      Collected date/time 09/25/24 14:11      Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376079	1	10/08/24 15:03	10/08/24 15:03	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378074	1	10/08/24 14:30	10/08/24 18:35	KRB	Mt. Juliet, TN

4 Cn

5 Sr

6 Qc

## TBT5FL90N-10 L1783093-26 Solid

Collected by Rick Eggeston      Collected date/time 09/25/24 13:46      Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376079	1	10/08/24 15:16	10/08/24 15:16	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378074	1	10/08/24 14:30	10/08/24 18:35	KRB	Mt. Juliet, TN

7 Gl

8 Al

9 Sc

## TBT5FL90E-10 L1783093-27 Solid

Collected by Rick Eggeston      Collected date/time 09/25/24 12:58      Received date/time 09/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2376080	1	10/09/24 01:43	10/09/24 01:43	DJS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2378649	1	10/09/24 09:40	10/09/24 14:55	KRB	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.



Mark W. Beasley  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.248		1	10/08/2024 14:53	WG2376079

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	10/09/2024 09:37	<a href="#">WG2374726</a>

- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.39	T8	1	10/08/2024 16:20	<a href="#">WG2378071</a>

Sample Narrative:

L1783093-01 WG2378071: 8.39 at 20.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	191	umhos/cm		10.0	1	10/08/2024 18:35	<a href="#">WG2378074</a>

Sample Narrative:

L1783093-01 WG2378074: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.423		0.200	1	10/08/2024 16:50	<a href="#">WG2376081</a>

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	3.95		1.00	5	10/11/2024 02:38	<a href="#">WG2375381</a>
Barium	156		2.50	5	10/11/2024 02:38	<a href="#">WG2375381</a>
Cadmium	ND		1.00	5	10/11/2024 02:38	<a href="#">WG2375381</a>
Copper	9.05		5.00	5	10/11/2024 18:25	<a href="#">WG2375381</a>
Lead	7.76		2.00	5	10/11/2024 02:38	<a href="#">WG2375381</a>
Nickel	9.32		2.50	5	10/11/2024 02:38	<a href="#">WG2375381</a>
Selenium	ND		2.50	5	10/11/2024 02:38	<a href="#">WG2375381</a>
Silver	ND		0.500	5	10/11/2024 02:38	<a href="#">WG2375381</a>
Zinc	30.1		25.0	5	10/11/2024 02:38	<a href="#">WG2375381</a>

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	10/05/2024 00:07	<a href="#">WG2376335</a>
(S) a, a, a-Trifluorotoluene(FID)	94.5		77.0-120		10/05/2024 00:07	<a href="#">WG2376335</a>

- 9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	<u>J3</u>	0.0500	1	10/07/2024 08:17	WG2377086
Acrylonitrile	ND		0.0125	1	10/07/2024 08:17	WG2377086
Benzene	ND		0.00100	1	10/07/2024 08:17	WG2377086
Bromobenzene	ND		0.0125	1	10/07/2024 08:17	WG2377086
Bromodichloromethane	ND		0.00250	1	10/07/2024 08:17	WG2377086
Bromoform	ND		0.0250	1	10/07/2024 08:17	WG2377086
Bromomethane	ND		0.0125	1	10/07/2024 08:17	WG2377086
n-Butylbenzene	ND		0.0125	1	10/07/2024 08:17	WG2377086
sec-Butylbenzene	ND		0.0125	1	10/07/2024 08:17	WG2377086
tert-Butylbenzene	ND		0.00500	1	10/07/2024 08:17	WG2377086
Carbon tetrachloride	ND		0.00500	1	10/07/2024 08:17	WG2377086
Chlorobenzene	ND		0.00250	1	10/07/2024 08:17	WG2377086
Chlorodibromomethane	ND		0.00250	1	10/07/2024 08:17	WG2377086
Chloroethane	ND		0.00500	1	10/07/2024 08:17	WG2377086
Chloroform	ND		0.00250	1	10/07/2024 08:17	WG2377086
Chloromethane	ND		0.0125	1	10/07/2024 08:17	WG2377086
2-Chlorotoluene	ND		0.00250	1	10/07/2024 08:17	WG2377086
4-Chlorotoluene	ND		0.00500	1	10/07/2024 08:17	WG2377086
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	10/07/2024 08:17	WG2377086
1,2-Dibromoethane	ND		0.00250	1	10/07/2024 08:17	WG2377086
Dibromomethane	ND		0.00500	1	10/07/2024 08:17	WG2377086
1,2-Dichlorobenzene	ND		0.00500	1	10/07/2024 08:17	WG2377086
1,3-Dichlorobenzene	ND		0.00500	1	10/07/2024 08:17	WG2377086
1,4-Dichlorobenzene	ND		0.00500	1	10/07/2024 08:17	WG2377086
Dichlorodifluoromethane	ND		0.00500	1	10/07/2024 08:17	WG2377086
1,1-Dichloroethane	ND		0.00250	1	10/07/2024 08:17	WG2377086
1,2-Dichloroethane	ND		0.00250	1	10/07/2024 08:17	WG2377086
1,1-Dichloroethene	ND		0.00250	1	10/07/2024 08:17	WG2377086
cis-1,2-Dichloroethene	ND		0.00250	1	10/07/2024 08:17	WG2377086
trans-1,2-Dichloroethene	ND		0.00500	1	10/07/2024 08:17	WG2377086
1,2-Dichloropropane	ND		0.00500	1	10/07/2024 08:17	WG2377086
1,1-Dichloropropene	ND		0.00250	1	10/07/2024 08:17	WG2377086
1,3-Dichloropropane	ND		0.00500	1	10/07/2024 08:17	WG2377086
cis-1,3-Dichloropropene	ND		0.00250	1	10/07/2024 08:17	WG2377086
trans-1,3-Dichloropropene	ND		0.00500	1	10/07/2024 08:17	WG2377086
2,2-Dichloropropane	ND		0.00250	1	10/07/2024 08:17	WG2377086
Di-isopropyl ether	ND		0.00100	1	10/07/2024 08:17	WG2377086
Ethylbenzene	ND		0.00250	1	10/07/2024 08:17	WG2377086
Hexachloro-1,3-butadiene	ND		0.0250	1	10/07/2024 08:17	WG2377086
Isopropylbenzene	ND		0.00250	1	10/07/2024 08:17	WG2377086
p-Isopropyltoluene	ND		0.00500	1	10/07/2024 08:17	WG2377086
2-Butanone (MEK)	ND		0.100	1	10/07/2024 08:17	WG2377086
Methylene Chloride	ND		0.0250	1	10/07/2024 08:17	WG2377086
4-Methyl-2-pentanone (MIBK)	ND	<u>J4</u>	0.0250	1	10/07/2024 08:17	WG2377086
Methyl tert-butyl ether	ND		0.00100	1	10/07/2024 08:17	WG2377086
Naphthalene	ND		0.0125	1	10/07/2024 08:17	WG2377086
n-Propylbenzene	ND	<u>J4</u>	0.00500	1	10/07/2024 08:17	WG2377086
Styrene	ND		0.0125	1	10/07/2024 08:17	WG2377086
1,1,1,2-Tetrachloroethane	ND		0.00250	1	10/07/2024 08:17	WG2377086
1,1,2,2-Tetrachloroethane	ND		0.00250	1	10/07/2024 08:17	WG2377086
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	10/07/2024 08:17	WG2377086
Tetrachloroethene	ND		0.00250	1	10/07/2024 08:17	WG2377086
Toluene	ND		0.00500	1	10/07/2024 08:17	WG2377086
1,2,3-Trichlorobenzene	ND		0.0125	1	10/07/2024 08:17	WG2377086
1,2,4-Trichlorobenzene	ND		0.0125	1	10/07/2024 08:17	WG2377086
1,1,1-Trichloroethane	ND		0.00250	1	10/07/2024 08:17	WG2377086

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		0.00250	1	10/07/2024 08:17	<a href="#">WG2377086</a>
Trichloroethene	ND		0.00100	1	10/07/2024 08:17	<a href="#">WG2377086</a>
Trichlorofluoromethane	ND		0.00250	1	10/07/2024 08:17	<a href="#">WG2377086</a>
1,2,3-Trichloropropane	ND		0.0125	1	10/07/2024 08:17	<a href="#">WG2377086</a>
1,2,4-Trimethylbenzene	ND		0.00500	1	10/07/2024 08:17	<a href="#">WG2377086</a>
1,2,3-Trimethylbenzene	ND		0.00500	1	10/07/2024 08:17	<a href="#">WG2377086</a>
1,3,5-Trimethylbenzene	ND		0.00500	1	10/07/2024 08:17	<a href="#">WG2377086</a>
Vinyl chloride	ND		0.00250	1	10/07/2024 08:17	<a href="#">WG2377086</a>
Xylenes, Total	ND		0.00650	1	10/07/2024 08:17	<a href="#">WG2377086</a>
(S) Toluene-d8	116		75.0-131		10/07/2024 08:17	<a href="#">WG2377086</a>
(S) 4-Bromofluorobenzene	87.4		67.0-138		10/07/2024 08:17	<a href="#">WG2377086</a>
(S) 1,2-Dichloroethane-d4	97.6		70.0-130		10/07/2024 08:17	<a href="#">WG2377086</a>

1 Cp  
2 Tc  
3 Ss  
4 Cn  
5 Sr  
6 Qc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND	J4	4.00	1	10/09/2024 18:40	<a href="#">WG2378376</a>
C10-C28 Diesel Range	ND	Q	4.00	1	10/15/2024 17:17	<a href="#">WG2380708</a>
C28-C36 Motor Oil Range	4.05		4.00	1	10/09/2024 18:40	<a href="#">WG2378376</a>
C28-C36 Motor Oil Range	12.1	Q	4.00	1	10/15/2024 17:17	<a href="#">WG2380708</a>
(S) o-Terphenyl	50.0		18.0-148		10/09/2024 18:40	<a href="#">WG2378376</a>
(S) o-Terphenyl	86.4		18.0-148		10/15/2024 17:17	<a href="#">WG2380708</a>

7 Gl  
8 Al  
9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	10/10/2024 03:34	<a href="#">WG2378360</a>
Acenaphthene	ND		0.00600	1	10/10/2024 03:34	<a href="#">WG2378360</a>
Acenaphthylene	ND		0.00600	1	10/10/2024 03:34	<a href="#">WG2378360</a>
Benzo(a)anthracene	ND		0.00600	1	10/10/2024 03:34	<a href="#">WG2378360</a>
Benzo(a)pyrene	ND		0.00600	1	10/10/2024 03:34	<a href="#">WG2378360</a>
Benzo(b)fluoranthene	ND		0.00600	1	10/10/2024 03:34	<a href="#">WG2378360</a>
Benzo(g,h,i)perylene	ND		0.00600	1	10/10/2024 03:34	<a href="#">WG2378360</a>
Benzo(k)fluoranthene	ND		0.00600	1	10/10/2024 03:34	<a href="#">WG2378360</a>
Chrysene	ND		0.00600	1	10/10/2024 03:34	<a href="#">WG2378360</a>
Dibenz(a,h)anthracene	ND		0.00600	1	10/10/2024 03:34	<a href="#">WG2378360</a>
Fluoranthene	ND		0.00600	1	10/10/2024 03:34	<a href="#">WG2378360</a>
Fluorene	ND		0.00600	1	10/10/2024 03:34	<a href="#">WG2378360</a>
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	10/10/2024 03:34	<a href="#">WG2378360</a>
Naphthalene	ND		0.0200	1	10/10/2024 03:34	<a href="#">WG2378360</a>
Phenanthrene	ND		0.00600	1	10/10/2024 03:34	<a href="#">WG2378360</a>
Pyrene	ND		0.00600	1	10/10/2024 03:34	<a href="#">WG2378360</a>
1-Methylnaphthalene	ND		0.0200	1	10/10/2024 03:34	<a href="#">WG2378360</a>
2-Methylnaphthalene	ND		0.0200	1	10/10/2024 03:34	<a href="#">WG2378360</a>
2-Chloronaphthalene	ND		0.0200	1	10/10/2024 03:34	<a href="#">WG2378360</a>
(S) p-Terphenyl-d14	109		23.0-120		10/10/2024 03:34	<a href="#">WG2378360</a>
(S) Nitrobenzene-d5	96.4		14.0-149		10/10/2024 03:34	<a href="#">WG2378360</a>
(S) 2-Fluorobiphenyl	106		34.0-125		10/10/2024 03:34	<a href="#">WG2378360</a>

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.19		1	10/08/2024 14:54	WG2376079

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	10/09/2024 09:48	<a href="#">WG2374726</a>

- 5 Sr
- 6 Qc

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.41	T8	1	10/08/2024 16:20	<a href="#">WG2378071</a>

Sample Narrative:

L1783093-02 WG2378071: 8.41 at 20.7C

- 7 Gl
- 8 Al

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	216	umhos/cm		10.0	1	10/08/2024 18:35	<a href="#">WG2378074</a>

Sample Narrative:

L1783093-02 WG2378074: at 25C

- 9 Sc

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.436		0.200	1	10/08/2024 16:53	<a href="#">WG2376081</a>

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	4.43		1.00	5	10/11/2024 02:41	<a href="#">WG2375381</a>
Barium	175		2.50	5	10/11/2024 02:41	<a href="#">WG2375381</a>
Cadmium	ND		1.00	5	10/11/2024 02:41	<a href="#">WG2375381</a>
Copper	10.1		5.00	5	10/11/2024 18:28	<a href="#">WG2375381</a>
Lead	8.45		2.00	5	10/11/2024 02:41	<a href="#">WG2375381</a>
Nickel	10.5		2.50	5	10/11/2024 02:41	<a href="#">WG2375381</a>
Selenium	ND		2.50	5	10/11/2024 02:41	<a href="#">WG2375381</a>
Silver	ND		0.500	5	10/11/2024 02:41	<a href="#">WG2375381</a>
Zinc	34.9		25.0	5	10/11/2024 02:41	<a href="#">WG2375381</a>

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.101	1.01	10/05/2024 00:26	<a href="#">WG2376335</a>
(S) a, a, a-Trifluorotoluene(FID)	95.9		77.0-120		10/05/2024 00:26	<a href="#">WG2376335</a>

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	J3	0.0500	1	10/07/2024 08:37	WG2377086
Acrylonitrile	ND		0.0125	1	10/07/2024 08:37	WG2377086
Benzene	ND		0.00100	1	10/07/2024 08:37	WG2377086
Bromobenzene	ND		0.0125	1	10/07/2024 08:37	WG2377086
Bromodichloromethane	ND		0.00250	1	10/07/2024 08:37	WG2377086
Bromoform	ND		0.0250	1	10/07/2024 08:37	WG2377086
Bromomethane	ND		0.0125	1	10/07/2024 08:37	WG2377086
n-Butylbenzene	ND		0.0125	1	10/07/2024 08:37	WG2377086
sec-Butylbenzene	ND		0.0125	1	10/07/2024 08:37	WG2377086
tert-Butylbenzene	ND		0.00500	1	10/07/2024 08:37	WG2377086
Carbon tetrachloride	ND		0.00500	1	10/07/2024 08:37	WG2377086
Chlorobenzene	ND		0.00250	1	10/07/2024 08:37	WG2377086
Chlorodibromomethane	ND		0.00250	1	10/07/2024 08:37	WG2377086
Chloroethane	ND		0.00500	1	10/07/2024 08:37	WG2377086
Chloroform	ND		0.00250	1	10/07/2024 08:37	WG2377086
Chloromethane	ND		0.0125	1	10/07/2024 08:37	WG2377086
2-Chlorotoluene	ND		0.00250	1	10/07/2024 08:37	WG2377086
4-Chlorotoluene	ND		0.00500	1	10/07/2024 08:37	WG2377086
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	10/07/2024 08:37	WG2377086
1,2-Dibromoethane	ND		0.00250	1	10/07/2024 08:37	WG2377086
Dibromomethane	ND		0.00500	1	10/07/2024 08:37	WG2377086
1,2-Dichlorobenzene	ND		0.00500	1	10/07/2024 08:37	WG2377086
1,3-Dichlorobenzene	ND		0.00500	1	10/07/2024 08:37	WG2377086
1,4-Dichlorobenzene	ND		0.00500	1	10/07/2024 08:37	WG2377086
Dichlorodifluoromethane	ND		0.00500	1	10/07/2024 08:37	WG2377086
1,1-Dichloroethane	ND		0.00250	1	10/07/2024 08:37	WG2377086
1,2-Dichloroethane	ND		0.00250	1	10/07/2024 08:37	WG2377086
1,1-Dichloroethene	ND		0.00250	1	10/07/2024 08:37	WG2377086
cis-1,2-Dichloroethene	ND		0.00250	1	10/07/2024 08:37	WG2377086
trans-1,2-Dichloroethene	ND		0.00500	1	10/07/2024 08:37	WG2377086
1,2-Dichloropropane	ND		0.00500	1	10/07/2024 08:37	WG2377086
1,1-Dichloropropene	ND		0.00250	1	10/07/2024 08:37	WG2377086
1,3-Dichloropropane	ND		0.00500	1	10/07/2024 08:37	WG2377086
cis-1,3-Dichloropropene	ND		0.00250	1	10/07/2024 08:37	WG2377086
trans-1,3-Dichloropropene	ND		0.00500	1	10/07/2024 08:37	WG2377086
2,2-Dichloropropane	ND		0.00250	1	10/07/2024 08:37	WG2377086
Di-isopropyl ether	ND		0.00100	1	10/07/2024 08:37	WG2377086
Ethylbenzene	ND		0.00250	1	10/07/2024 08:37	WG2377086
Hexachloro-1,3-butadiene	ND		0.0250	1	10/07/2024 08:37	WG2377086
Isopropylbenzene	ND		0.00250	1	10/07/2024 08:37	WG2377086
p-Isopropyltoluene	ND		0.00500	1	10/07/2024 08:37	WG2377086
2-Butanone (MEK)	ND		0.100	1	10/07/2024 08:37	WG2377086
Methylene Chloride	ND		0.0250	1	10/07/2024 08:37	WG2377086
4-Methyl-2-pentanone (MIBK)	ND	J4	0.0250	1	10/07/2024 08:37	WG2377086
Methyl tert-butyl ether	ND		0.00100	1	10/07/2024 08:37	WG2377086
Naphthalene	ND		0.0125	1	10/07/2024 08:37	WG2377086
n-Propylbenzene	ND	J4	0.00500	1	10/07/2024 08:37	WG2377086
Styrene	ND		0.0125	1	10/07/2024 08:37	WG2377086
1,1,1,2-Tetrachloroethane	ND		0.00250	1	10/07/2024 08:37	WG2377086
1,1,2,2-Tetrachloroethane	ND		0.00250	1	10/07/2024 08:37	WG2377086
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	10/07/2024 08:37	WG2377086
Tetrachloroethene	ND		0.00250	1	10/07/2024 08:37	WG2377086
Toluene	ND		0.00500	1	10/07/2024 08:37	WG2377086
1,2,3-Trichlorobenzene	ND		0.0125	1	10/07/2024 08:37	WG2377086
1,2,4-Trichlorobenzene	ND		0.0125	1	10/07/2024 08:37	WG2377086
1,1,1-Trichloroethane	ND		0.00250	1	10/07/2024 08:37	WG2377086

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		0.00250	1	10/07/2024 08:37	<a href="#">WG2377086</a>
Trichloroethene	ND		0.00100	1	10/07/2024 08:37	<a href="#">WG2377086</a>
Trichlorofluoromethane	ND		0.00250	1	10/07/2024 08:37	<a href="#">WG2377086</a>
1,2,3-Trichloropropane	ND		0.0125	1	10/07/2024 08:37	<a href="#">WG2377086</a>
1,2,4-Trimethylbenzene	ND		0.00500	1	10/07/2024 08:37	<a href="#">WG2377086</a>
1,2,3-Trimethylbenzene	ND		0.00500	1	10/07/2024 08:37	<a href="#">WG2377086</a>
1,3,5-Trimethylbenzene	ND		0.00500	1	10/07/2024 08:37	<a href="#">WG2377086</a>
Vinyl chloride	ND		0.00250	1	10/07/2024 08:37	<a href="#">WG2377086</a>
Xylenes, Total	ND		0.00650	1	10/07/2024 08:37	<a href="#">WG2377086</a>
(S) Toluene-d8	116		75.0-131		10/07/2024 08:37	<a href="#">WG2377086</a>
(S) 4-Bromofluorobenzene	85.7		67.0-138		10/07/2024 08:37	<a href="#">WG2377086</a>
(S) 1,2-Dichloroethane-d4	90.0		70.0-130		10/07/2024 08:37	<a href="#">WG2377086</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	9.52	J4	4.00	1	10/09/2024 19:22	<a href="#">WG2378376</a>
C10-C28 Diesel Range	23.2	Q	4.00	1	10/15/2024 17:54	<a href="#">WG2380708</a>
C28-C36 Motor Oil Range	25.4		4.00	1	10/09/2024 19:22	<a href="#">WG2378376</a>
C28-C36 Motor Oil Range	63.2	Q	4.00	1	10/15/2024 17:54	<a href="#">WG2380708</a>
(S) o-Terphenyl	65.3		18.0-148		10/09/2024 19:22	<a href="#">WG2378376</a>
(S) o-Terphenyl	56.3		18.0-148		10/15/2024 17:54	<a href="#">WG2380708</a>

7 Gl

8 Al

9 Sc

## Sample Narrative:

L1783093-02 WG2378376, WG2380708: Duplicate Analysis performed due to QC failure. Results don't confirm; both analyses reported

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	10/10/2024 03:52	<a href="#">WG2378360</a>
Acenaphthene	ND		0.00600	1	10/10/2024 03:52	<a href="#">WG2378360</a>
Acenaphthylene	ND		0.00600	1	10/10/2024 03:52	<a href="#">WG2378360</a>
Benzo(a)anthracene	ND		0.00600	1	10/10/2024 03:52	<a href="#">WG2378360</a>
Benzo(a)pyrene	ND		0.00600	1	10/10/2024 03:52	<a href="#">WG2378360</a>
Benzo(b)fluoranthene	ND		0.00600	1	10/10/2024 03:52	<a href="#">WG2378360</a>
Benzo(g,h,i)perylene	ND		0.00600	1	10/10/2024 03:52	<a href="#">WG2378360</a>
Benzo(k)fluoranthene	ND		0.00600	1	10/10/2024 03:52	<a href="#">WG2378360</a>
Chrysene	ND		0.00600	1	10/10/2024 03:52	<a href="#">WG2378360</a>
Dibenz(a,h)anthracene	ND		0.00600	1	10/10/2024 03:52	<a href="#">WG2378360</a>
Fluoranthene	ND		0.00600	1	10/10/2024 03:52	<a href="#">WG2378360</a>
Fluorene	ND		0.00600	1	10/10/2024 03:52	<a href="#">WG2378360</a>
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	10/10/2024 03:52	<a href="#">WG2378360</a>
Naphthalene	ND		0.0200	1	10/10/2024 03:52	<a href="#">WG2378360</a>
Phenanthrene	ND		0.00600	1	10/10/2024 03:52	<a href="#">WG2378360</a>
Pyrene	ND		0.00600	1	10/10/2024 03:52	<a href="#">WG2378360</a>
1-Methylnaphthalene	ND		0.0200	1	10/10/2024 03:52	<a href="#">WG2378360</a>
2-Methylnaphthalene	ND		0.0200	1	10/10/2024 03:52	<a href="#">WG2378360</a>
2-Chloronaphthalene	ND		0.0200	1	10/10/2024 03:52	<a href="#">WG2378360</a>
(S) p-Terphenyl-d14	95.6		23.0-120		10/10/2024 03:52	<a href="#">WG2378360</a>
(S) Nitrobenzene-d5	85.7		14.0-149		10/10/2024 03:52	<a href="#">WG2378360</a>
(S) 2-Fluorobiphenyl	94.8		34.0-125		10/10/2024 03:52	<a href="#">WG2378360</a>

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.14		1	10/09/2024 02:14	WG2376080

Volatile Organic Compounds (GC) by Method 8015D/GRO

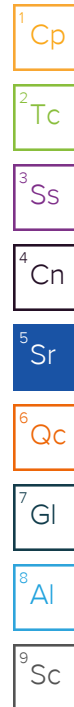
Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	10/05/2024 00:46	<a href="#">WG2376335</a>
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	96.5		77.0-120		10/05/2024 00:46	<a href="#">WG2376335</a>

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND	<a href="#">J4</a>	4.00	1	10/09/2024 18:12	<a href="#">WG2378376</a>
C28-C36 Motor Oil Range	ND		4.00	1	10/09/2024 18:12	<a href="#">WG2378376</a>
(S) <i>o</i> -Terphenyl	47.4		18.0-148		10/09/2024 18:12	<a href="#">WG2378376</a>

Sample Narrative:

L1783093-03 WG2378376: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	13.7		1	10/08/2024 14:56	WG2376079

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.101	1.01	10/05/2024 01:05	<a href="#">WG2376335</a>
(S) a,a,a-Trifluorotoluene(FID)	95.6		77.0-120		10/05/2024 01:05	<a href="#">WG2376335</a>

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND	<a href="#">J4</a>	4.00	1	10/09/2024 19:36	<a href="#">WG2378376</a>
C10-C28 Diesel Range	ND	<a href="#">Q</a>	4.00	1	10/15/2024 18:19	<a href="#">WG2380708</a>
C28-C36 Motor Oil Range	ND		4.00	1	10/09/2024 19:36	<a href="#">WG2378376</a>
C28-C36 Motor Oil Range	4.49	<a href="#">Q</a>	4.00	1	10/15/2024 18:19	<a href="#">WG2380708</a>
(S) o-Terphenyl	55.3		18.0-148		10/09/2024 19:36	<a href="#">WG2378376</a>
(S) o-Terphenyl	67.8		18.0-148		10/15/2024 18:19	<a href="#">WG2380708</a>

Sample Narrative:

L1783093-04 WG2378376, WG2380708: Duplicate Analysis performed due to QC failure. Results don't confirm; both analyses reported

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	81.1		1	10/09/2024 02:16	WG2376080

Volatile Organic Compounds (GC) by Method 8015D/GRO

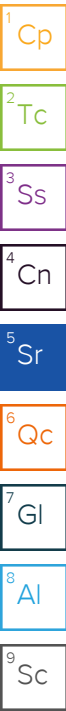
Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.372		0.100	1	10/05/2024 01:29	<a href="#">WG2376335</a>
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	97.7		77.0-120		10/05/2024 01:29	<a href="#">WG2376335</a>

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4300	<a href="#">J4 V</a>	400	100	10/09/2024 22:52	<a href="#">WG2378376</a>
C28-C36 Motor Oil Range	8270		400	100	10/09/2024 22:52	<a href="#">WG2378376</a>
(S) <i>o</i> -Terphenyl	0.000	<a href="#">J7</a>	18.0-148		10/09/2024 22:52	<a href="#">WG2378376</a>

Sample Narrative:

L1783093-05 WG2378376: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.71		1	10/09/2024 02:18	WG2376080

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	10/05/2024 01:49	<a href="#">WG2376335</a>
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	94.5		77.0-120		10/05/2024 01:49	<a href="#">WG2376335</a>

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	10/14/2024 23:00	<a href="#">WG2380817</a>
C28-C36 Motor Oil Range	ND		4.00	1	10/14/2024 23:00	<a href="#">WG2380817</a>
(S) <i>o</i> -Terphenyl	62.1		18.0-148		10/14/2024 23:00	<a href="#">WG2380817</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.13		1	10/09/2024 02:20	WG2376080

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	10/05/2024 02:08	<a href="#">WG2376335</a>
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	96.1		77.0-120		10/05/2024 02:08	<a href="#">WG2376335</a>

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	10/14/2024 23:13	<a href="#">WG2380817</a>
C28-C36 Motor Oil Range	ND		4.00	1	10/14/2024 23:13	<a href="#">WG2380817</a>
(S) <i>o</i> -Terphenyl	63.3		18.0-148		10/14/2024 23:13	<a href="#">WG2380817</a>

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	8.22		1	10/09/2024 02:21	WG2376080

1 Cp

2 Tc

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	10/09/2024 09:58	<a href="#">WG2374726</a>

3 Ss

4 Cn

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.91	<a href="#">T8</a>	1	10/09/2024 11:30	<a href="#">WG2378656</a>

5 Sr

6 Qc

Sample Narrative:

L1783093-08 WG2378656: 8.91 at 20.1C

7 Gl

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1670	umhos/cm		10.0	1	10/09/2024 14:55	<a href="#">WG2378649</a>

8 Al

9 Sc

Sample Narrative:

L1783093-08 WG2378649: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	10/08/2024 16:56	<a href="#">WG2376081</a>

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	4.12		1.00	5	10/11/2024 02:22	<a href="#">WG2375381</a>
Barium	169	<a href="#">J5</a>	2.50	5	10/11/2024 02:22	<a href="#">WG2375381</a>
Cadmium	ND		1.00	5	10/11/2024 02:22	<a href="#">WG2375381</a>
Copper	9.59		5.00	5	10/11/2024 18:08	<a href="#">WG2375381</a>
Lead	7.99		2.00	5	10/11/2024 02:22	<a href="#">WG2375381</a>
Nickel	10.2		2.50	5	10/11/2024 02:22	<a href="#">WG2375381</a>
Selenium	ND		2.50	5	10/11/2024 02:22	<a href="#">WG2375381</a>
Silver	ND	<a href="#">O1</a>	0.500	5	10/11/2024 02:22	<a href="#">WG2375381</a>
Zinc	35.6		25.0	5	10/11/2024 02:22	<a href="#">WG2375381</a>

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	10/05/2024 02:27	<a href="#">WG2376335</a>
(S) a, a, a-Trifluorotoluene(FID)	96.7		77.0-120		10/05/2024 02:27	<a href="#">WG2376335</a>

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	<u>J3</u>	0.0500	1	10/07/2024 08:57	WG2377086
Acrylonitrile	ND		0.0125	1	10/07/2024 08:57	WG2377086
Benzene	ND		0.00100	1	10/07/2024 08:57	WG2377086
Bromobenzene	ND		0.0125	1	10/07/2024 08:57	WG2377086
Bromodichloromethane	ND		0.00250	1	10/07/2024 08:57	WG2377086
Bromoform	ND		0.0250	1	10/07/2024 08:57	WG2377086
Bromomethane	ND		0.0125	1	10/07/2024 08:57	WG2377086
n-Butylbenzene	ND		0.0125	1	10/07/2024 08:57	WG2377086
sec-Butylbenzene	ND		0.0125	1	10/07/2024 08:57	WG2377086
tert-Butylbenzene	ND		0.00500	1	10/07/2024 08:57	WG2377086
Carbon tetrachloride	ND		0.00500	1	10/07/2024 08:57	WG2377086
Chlorobenzene	ND		0.00250	1	10/07/2024 08:57	WG2377086
Chlorodibromomethane	ND		0.00250	1	10/07/2024 08:57	WG2377086
Chloroethane	ND		0.00500	1	10/07/2024 08:57	WG2377086
Chloroform	ND		0.00250	1	10/07/2024 08:57	WG2377086
Chloromethane	ND		0.0125	1	10/07/2024 08:57	WG2377086
2-Chlorotoluene	ND		0.00250	1	10/07/2024 08:57	WG2377086
4-Chlorotoluene	ND		0.00500	1	10/07/2024 08:57	WG2377086
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	10/07/2024 08:57	WG2377086
1,2-Dibromoethane	ND		0.00250	1	10/07/2024 08:57	WG2377086
Dibromomethane	ND		0.00500	1	10/07/2024 08:57	WG2377086
1,2-Dichlorobenzene	ND		0.00500	1	10/07/2024 08:57	WG2377086
1,3-Dichlorobenzene	ND		0.00500	1	10/07/2024 08:57	WG2377086
1,4-Dichlorobenzene	ND		0.00500	1	10/07/2024 08:57	WG2377086
Dichlorodifluoromethane	ND		0.00500	1	10/07/2024 08:57	WG2377086
1,1-Dichloroethane	ND		0.00250	1	10/07/2024 08:57	WG2377086
1,2-Dichloroethane	ND		0.00250	1	10/07/2024 08:57	WG2377086
1,1-Dichloroethene	ND		0.00250	1	10/07/2024 08:57	WG2377086
cis-1,2-Dichloroethene	ND		0.00250	1	10/07/2024 08:57	WG2377086
trans-1,2-Dichloroethene	ND		0.00500	1	10/07/2024 08:57	WG2377086
1,2-Dichloropropane	ND		0.00500	1	10/07/2024 08:57	WG2377086
1,1-Dichloropropene	ND		0.00250	1	10/07/2024 08:57	WG2377086
1,3-Dichloropropane	ND		0.00500	1	10/07/2024 08:57	WG2377086
cis-1,3-Dichloropropene	ND		0.00250	1	10/07/2024 08:57	WG2377086
trans-1,3-Dichloropropene	ND		0.00500	1	10/07/2024 08:57	WG2377086
2,2-Dichloropropane	ND		0.00250	1	10/07/2024 08:57	WG2377086
Di-isopropyl ether	ND		0.00100	1	10/07/2024 08:57	WG2377086
Ethylbenzene	ND		0.00250	1	10/07/2024 08:57	WG2377086
Hexachloro-1,3-butadiene	ND		0.0250	1	10/07/2024 08:57	WG2377086
Isopropylbenzene	ND		0.00250	1	10/07/2024 08:57	WG2377086
p-Isopropyltoluene	ND		0.00500	1	10/07/2024 08:57	WG2377086
2-Butanone (MEK)	ND		0.100	1	10/07/2024 08:57	WG2377086
Methylene Chloride	ND		0.0250	1	10/07/2024 08:57	WG2377086
4-Methyl-2-pentanone (MIBK)	ND	<u>J4</u>	0.0250	1	10/07/2024 08:57	WG2377086
Methyl tert-butyl ether	ND		0.00100	1	10/07/2024 08:57	WG2377086
Naphthalene	ND		0.0125	1	10/07/2024 08:57	WG2377086
n-Propylbenzene	ND	<u>J4</u>	0.00500	1	10/07/2024 08:57	WG2377086
Styrene	ND		0.0125	1	10/07/2024 08:57	WG2377086
1,1,1,2-Tetrachloroethane	ND		0.00250	1	10/07/2024 08:57	WG2377086
1,1,2,2-Tetrachloroethane	ND		0.00250	1	10/07/2024 08:57	WG2377086
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	10/07/2024 08:57	WG2377086
Tetrachloroethene	ND		0.00250	1	10/07/2024 08:57	WG2377086
Toluene	ND		0.00500	1	10/07/2024 08:57	WG2377086
1,2,3-Trichlorobenzene	ND		0.0125	1	10/07/2024 08:57	WG2377086
1,2,4-Trichlorobenzene	ND		0.0125	1	10/07/2024 08:57	WG2377086
1,1,1-Trichloroethane	ND		0.00250	1	10/07/2024 08:57	WG2377086

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		0.00250	1	10/07/2024 08:57	<a href="#">WG2377086</a>
Trichloroethene	ND		0.00100	1	10/07/2024 08:57	<a href="#">WG2377086</a>
Trichlorofluoromethane	ND		0.00250	1	10/07/2024 08:57	<a href="#">WG2377086</a>
1,2,3-Trichloropropane	ND		0.0125	1	10/07/2024 08:57	<a href="#">WG2377086</a>
1,2,4-Trimethylbenzene	ND		0.00500	1	10/07/2024 08:57	<a href="#">WG2377086</a>
1,2,3-Trimethylbenzene	ND		0.00500	1	10/07/2024 08:57	<a href="#">WG2377086</a>
1,3,5-Trimethylbenzene	ND		0.00500	1	10/07/2024 08:57	<a href="#">WG2377086</a>
Vinyl chloride	ND		0.00250	1	10/07/2024 08:57	<a href="#">WG2377086</a>
Xylenes, Total	ND		0.00650	1	10/07/2024 08:57	<a href="#">WG2377086</a>
(S) Toluene-d8	116		75.0-131		10/07/2024 08:57	<a href="#">WG2377086</a>
(S) 4-Bromofluorobenzene	89.2		67.0-138		10/07/2024 08:57	<a href="#">WG2377086</a>
(S) 1,2-Dichloroethane-d4	96.7		70.0-130		10/07/2024 08:57	<a href="#">WG2377086</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

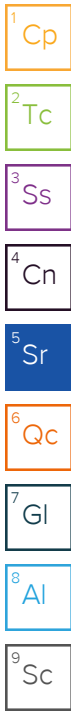
Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	19.8		4.00	1	10/10/2024 17:44	<a href="#">WG2378378</a>
C28-C36 Motor Oil Range	ND		4.00	1	10/10/2024 17:44	<a href="#">WG2378378</a>
(S) o-Terphenyl	61.3		18.0-148		10/10/2024 17:44	<a href="#">WG2378378</a>

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	10/10/2024 04:10	<a href="#">WG2378360</a>
Acenaphthene	ND		0.00600	1	10/10/2024 04:10	<a href="#">WG2378360</a>
Acenaphthylene	ND		0.00600	1	10/10/2024 04:10	<a href="#">WG2378360</a>
Benzo(a)anthracene	ND		0.00600	1	10/10/2024 04:10	<a href="#">WG2378360</a>
Benzo(a)pyrene	ND		0.00600	1	10/10/2024 04:10	<a href="#">WG2378360</a>
Benzo(b)fluoranthene	ND		0.00600	1	10/10/2024 04:10	<a href="#">WG2378360</a>
Benzo(g,h,i)perylene	ND		0.00600	1	10/10/2024 04:10	<a href="#">WG2378360</a>
Benzo(k)fluoranthene	ND		0.00600	1	10/10/2024 04:10	<a href="#">WG2378360</a>
Chrysene	ND		0.00600	1	10/10/2024 04:10	<a href="#">WG2378360</a>
Dibenz(a,h)anthracene	ND		0.00600	1	10/10/2024 04:10	<a href="#">WG2378360</a>
Fluoranthene	ND		0.00600	1	10/10/2024 04:10	<a href="#">WG2378360</a>
Fluorene	ND		0.00600	1	10/10/2024 04:10	<a href="#">WG2378360</a>
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	10/10/2024 04:10	<a href="#">WG2378360</a>
Naphthalene	ND		0.0200	1	10/10/2024 04:10	<a href="#">WG2378360</a>
Phenanthrene	ND		0.00600	1	10/10/2024 04:10	<a href="#">WG2378360</a>
Pyrene	ND		0.00600	1	10/10/2024 04:10	<a href="#">WG2378360</a>
1-Methylnaphthalene	ND		0.0200	1	10/10/2024 04:10	<a href="#">WG2378360</a>
2-Methylnaphthalene	ND		0.0200	1	10/10/2024 04:10	<a href="#">WG2378360</a>
2-Chloronaphthalene	ND		0.0200	1	10/10/2024 04:10	<a href="#">WG2378360</a>
(S) p-Terphenyl-d14	107		23.0-120		10/10/2024 04:10	<a href="#">WG2378360</a>
(S) Nitrobenzene-d5	96.2		14.0-149		10/10/2024 04:10	<a href="#">WG2378360</a>
(S) 2-Fluorobiphenyl	103		34.0-125		10/10/2024 04:10	<a href="#">WG2378360</a>

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	45.5		1	10/09/2024 02:23	WG2376080



Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	10/09/2024 10:09	<a href="#">WG2374726</a>

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.28	<u>T8</u>	1	10/09/2024 11:30	<a href="#">WG2378656</a>

Sample Narrative:

L1783093-09 WG2378656: 8.28 at 20.1C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	6440	umhos/cm		10.0	1	10/09/2024 14:55	<a href="#">WG2378649</a>

Sample Narrative:

L1783093-09 WG2378649: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.789		0.200	1	10/08/2024 17:04	<a href="#">WG2376081</a>

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.09		1.00	5	10/11/2024 02:44	<a href="#">WG2375381</a>
Barium	163		2.50	5	10/11/2024 02:44	<a href="#">WG2375381</a>
Cadmium	ND		1.00	5	10/11/2024 02:44	<a href="#">WG2375381</a>
Copper	10.3		5.00	5	10/11/2024 18:31	<a href="#">WG2375381</a>
Lead	7.99		2.00	5	10/11/2024 02:44	<a href="#">WG2375381</a>
Nickel	10.1		2.50	5	10/11/2024 02:44	<a href="#">WG2375381</a>
Selenium	ND		2.50	5	10/11/2024 02:44	<a href="#">WG2375381</a>
Silver	ND		0.500	5	10/11/2024 02:44	<a href="#">WG2375381</a>
Zinc	35.9		25.0	5	10/11/2024 02:44	<a href="#">WG2375381</a>

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	10/05/2024 02:47	<a href="#">WG2376335</a>
(S) a, a, a-Trifluorotoluene(FID)	95.8		77.0-120		10/05/2024 02:47	<a href="#">WG2376335</a>

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND	<u>J3</u>	0.0500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Acrylonitrile	ND		0.0125	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Benzene	ND		0.00100	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Bromobenzene	ND		0.0125	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Bromodichloromethane	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Bromoform	ND		0.0250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Bromomethane	ND		0.0125	1	10/07/2024 09:17	<a href="#">WG2377086</a>
n-Butylbenzene	ND		0.0125	1	10/07/2024 09:17	<a href="#">WG2377086</a>
sec-Butylbenzene	ND		0.0125	1	10/07/2024 09:17	<a href="#">WG2377086</a>
tert-Butylbenzene	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Carbon tetrachloride	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Chlorobenzene	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Chlorodibromomethane	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Chloroethane	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Chloroform	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Chloromethane	ND		0.0125	1	10/07/2024 09:17	<a href="#">WG2377086</a>
2-Chlorotoluene	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
4-Chlorotoluene	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,2-Dibromo-3-Chloropropane	ND		0.0250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,2-Dibromoethane	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Dibromomethane	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,2-Dichlorobenzene	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,3-Dichlorobenzene	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,4-Dichlorobenzene	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Dichlorodifluoromethane	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,1-Dichloroethane	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,2-Dichloroethane	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,1-Dichloroethene	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
cis-1,2-Dichloroethene	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
trans-1,2-Dichloroethene	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,2-Dichloropropane	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,1-Dichloropropene	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,3-Dichloropropane	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
cis-1,3-Dichloropropene	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
trans-1,3-Dichloropropene	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
2,2-Dichloropropane	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Di-isopropyl ether	ND		0.00100	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Ethylbenzene	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Hexachloro-1,3-butadiene	ND		0.0250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Isopropylbenzene	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
p-Isopropyltoluene	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
2-Butanone (MEK)	ND		0.100	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Methylene Chloride	ND		0.0250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
4-Methyl-2-pentanone (MIBK)	ND	<u>J4</u>	0.0250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Methyl tert-butyl ether	ND		0.00100	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Naphthalene	ND		0.0125	1	10/07/2024 09:17	<a href="#">WG2377086</a>
n-Propylbenzene	ND	<u>J4</u>	0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Styrene	ND		0.0125	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,1,1,2-Tetrachloroethane	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,1,2,2-Tetrachloroethane	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,1,2-Trichlorotrifluoroethane	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Tetrachloroethene	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Toluene	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,2,3-Trichlorobenzene	ND		0.0125	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,2,4-Trichlorobenzene	ND		0.0125	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,1,1-Trichloroethane	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Trichloroethene	ND		0.00100	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Trichlorofluoromethane	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,2,3-Trichloropropane	ND		0.0125	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,2,4-Trimethylbenzene	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,2,3-Trimethylbenzene	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
1,3,5-Trimethylbenzene	ND		0.00500	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Vinyl chloride	ND		0.00250	1	10/07/2024 09:17	<a href="#">WG2377086</a>
Xylenes, Total	ND		0.00650	1	10/07/2024 09:17	<a href="#">WG2377086</a>
(S) Toluene-d8	116		75.0-131		10/07/2024 09:17	<a href="#">WG2377086</a>
(S) 4-Bromofluorobenzene	87.9		67.0-138		10/07/2024 09:17	<a href="#">WG2377086</a>
(S) 1,2-Dichloroethane-d4	97.0		70.0-130		10/07/2024 09:17	<a href="#">WG2377086</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

## Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	10/10/2024 17:19	<a href="#">WG2378378</a>
C28-C36 Motor Oil Range	ND		4.00	1	10/10/2024 17:19	<a href="#">WG2378378</a>
(S) o-Terphenyl	74.5		18.0-148		10/10/2024 17:19	<a href="#">WG2378378</a>

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	10/10/2024 04:27	<a href="#">WG2378360</a>
Acenaphthene	ND		0.00600	1	10/10/2024 04:27	<a href="#">WG2378360</a>
Acenaphthylene	ND		0.00600	1	10/10/2024 04:27	<a href="#">WG2378360</a>
Benzo(a)anthracene	ND		0.00600	1	10/10/2024 04:27	<a href="#">WG2378360</a>
Benzo(a)pyrene	ND		0.00600	1	10/10/2024 04:27	<a href="#">WG2378360</a>
Benzo(b)fluoranthene	ND		0.00600	1	10/10/2024 04:27	<a href="#">WG2378360</a>
Benzo(g,h,i)perylene	ND		0.00600	1	10/10/2024 04:27	<a href="#">WG2378360</a>
Benzo(k)fluoranthene	ND		0.00600	1	10/10/2024 04:27	<a href="#">WG2378360</a>
Chrysene	ND		0.00600	1	10/10/2024 04:27	<a href="#">WG2378360</a>
Dibenz(a,h)anthracene	ND		0.00600	1	10/10/2024 04:27	<a href="#">WG2378360</a>
Fluoranthene	ND		0.00600	1	10/10/2024 04:27	<a href="#">WG2378360</a>
Fluorene	ND		0.00600	1	10/10/2024 04:27	<a href="#">WG2378360</a>
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	10/10/2024 04:27	<a href="#">WG2378360</a>
Naphthalene	ND		0.0200	1	10/10/2024 04:27	<a href="#">WG2378360</a>
Phenanthrene	ND		0.00600	1	10/10/2024 04:27	<a href="#">WG2378360</a>
Pyrene	ND		0.00600	1	10/10/2024 04:27	<a href="#">WG2378360</a>
1-Methylnaphthalene	ND		0.0200	1	10/10/2024 04:27	<a href="#">WG2378360</a>
2-Methylnaphthalene	ND		0.0200	1	10/10/2024 04:27	<a href="#">WG2378360</a>
2-Chloronaphthalene	ND		0.0200	1	10/10/2024 04:27	<a href="#">WG2378360</a>
(S) p-Terphenyl-d14	99.4		23.0-120		10/10/2024 04:27	<a href="#">WG2378360</a>
(S) Nitrobenzene-d5	86.9		14.0-149		10/10/2024 04:27	<a href="#">WG2378360</a>
(S) 2-Fluorobiphenyl	94.9		34.0-125		10/10/2024 04:27	<a href="#">WG2378360</a>

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	54.6		1	10/09/2024 02:25	WG2376080

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.38	<u>T8</u>	1	10/09/2024 11:30	<a href="#">WG2378656</a>

Sample Narrative:

L1783093-10 WG2378656: 8.38 at 20C

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	25.7		1	10/08/2024 14:58	WG2376079

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	9.50	<u>T8</u>	1	10/08/2024 16:20	<a href="#">WG2378071</a>

Sample Narrative:

L1783093-11 WG2378071: 9.5 at 20.4C

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	71.5		1	10/09/2024 02:27	WG2376080

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	12000	umhos/cm		10.0	1	10/09/2024 14:55	<a href="#">WG2378649</a>

Sample Narrative:

L1783093-12 WG2378649: at 25C

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	76.4		1	10/09/2024 02:32	WG2376080

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	8850	umhos/cm		10.0	1	10/09/2024 14:55	<a href="#">WG2378649</a>

Sample Narrative:

L1783093-13 WG2378649: at 25C

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	4.91		1	10/09/2024 02:34	WG2376080

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	9.25	<u>T8</u>	1	10/09/2024 11:30	<a href="#">WG2378656</a>

Sample Narrative:

L1783093-14 WG2378656: 9.25 at 19.8C

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	39.0		1	10/08/2024 14:59	WG2376079

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	9.20	<u>T8</u>	1	10/08/2024 16:20	<a href="#">WG2378071</a>

Sample Narrative:

L1783093-15 WG2378071: 9.2 at 20.4C

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	68.4		1	10/09/2024 02:35	WG2376080

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	11300	umhos/cm		10.0	1	10/09/2024 14:55	<a href="#">WG2378649</a>

Sample Narrative:

L1783093-16 WG2378649: at 25C

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	10/05/2024 09:04	<a href="#">WG2376379</a>
(S) a,a,a-Trifluorotoluene(FID)	96.0		77.0-120		10/05/2024 09:04	<a href="#">WG2376379</a>

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	10/10/2024 17:07	<a href="#">WG2378378</a>
C28-C36 Motor Oil Range	ND		4.00	1	10/10/2024 17:07	<a href="#">WG2378378</a>
(S) o-Terphenyl	68.8		18.0-148		10/10/2024 17:07	<a href="#">WG2378378</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	21.0		1	10/09/2024 02:37	WG2376080

1 Cp

2 Tc

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	9980	umhos/cm		10.0	1	10/09/2024 14:55	<a href="#">WG2378649</a>

3 Ss

4 Cn

Sample Narrative:

L1783093-17 WG2378649: at 25C

5 Sr

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	10/05/2024 09:23	<a href="#">WG2376379</a>
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	95.6		77.0-120		10/05/2024 09:23	<a href="#">WG2376379</a>

6 Qc

7 Gl

8 Al

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	10/11/2024 13:51	<a href="#">WG2378378</a>
C28-C36 Motor Oil Range	4.30		4.00	1	10/11/2024 13:51	<a href="#">WG2378378</a>
(S) <i>o</i> -Terphenyl	59.0		18.0-148		10/11/2024 13:51	<a href="#">WG2378378</a>

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	27.2		1	10/09/2024 02:39	WG2376080

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3190	umhos/cm		10.0	1	10/09/2024 14:55	<a href="#">WG2378649</a>

Sample Narrative:

L1783093-18 WG2378649: at 25C

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	32.8		1	10/09/2024 02:41	WG2376080

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	7000	umhos/cm		10.0	1	10/09/2024 14:55	<a href="#">WG2378649</a>

Sample Narrative:

L1783093-19 WG2378649: at 25C

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	56.8		1	10/09/2024 02:43	WG2376080

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	10500	umhos/cm		10.0	1	10/09/2024 14:55	<a href="#">WG2378649</a>

Sample Narrative:

L1783093-20 WG2378649: at 25C

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	12.4		1	10/09/2024 02:44	WG2376080

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	8130	umhos/cm		10.0	1	10/09/2024 14:55	<a href="#">WG2378649</a>

Sample Narrative:

L1783093-21 WG2378649: at 25C

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	15.6		1	10/09/2024 02:46	WG2376080

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	5640	umhos/cm		10.0	1	10/09/2024 14:55	<a href="#">WG2378649</a>

Sample Narrative:

L1783093-22 WG2378649: at 25C

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.25		1	10/09/2024 02:48	WG2376080

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	4680	umhos/cm		10.0	1	10/09/2024 14:55	<a href="#">WG2378649</a>

Sample Narrative:

L1783093-23 WG2378649: at 25C

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	3.47		1	10/08/2024 15:01	WG2376079

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1980	umhos/cm		10.0	1	10/08/2024 18:35	<a href="#">WG2378074</a>

Sample Narrative:

L1783093-24 WG2378074: at 25C

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	28.2		1	10/08/2024 15:03	WG2376079

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2520	umhos/cm		10.0	1	10/08/2024 18:35	<a href="#">WG2378074</a>

Sample Narrative:

L1783093-25 WG2378074: at 25C

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.99		1	10/08/2024 15:16	WG2376079

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2640	umhos/cm		10.0	1	10/08/2024 18:35	<a href="#">WG2378074</a>

Sample Narrative:

L1783093-26 WG2378074: at 25C

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

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	9.88		1	10/09/2024 01:43	WG2376080

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	4710	umhos/cm		10.0	1	10/09/2024 14:55	<a href="#">WG2378649</a>

Sample Narrative:

L1783093-27 WG2378649: at 25C

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

Method Blank (MB)

(MB) R4130744-1 10/09/24 09:17

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

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1783165-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1783165-03 10/09/24 11:22 • (DUP) R4130744-3 10/09/24 11:33

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	7.55		20

L1783861-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1783861-02 10/09/24 14:31 • (DUP) R4130744-8 10/09/24 14:42

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	1.17	1.42	1	19.5		20

Laboratory Control Sample (LCS)

(LCS) R4130744-2 10/09/24 09:27

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	9.62	96.2	80.0-120	

L1783833-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1783833-04 10/09/24 12:25 • (MS) R4130744-4 10/09/24 12:36 • (MSD) R4130744-5 10/09/24 12:46

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	20.0	ND	13.0	13.1	63.2	63.8	1	75.0-125	J6	J6	0.895	20

L1783833-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1783833-04 10/09/24 12:25 • (MS) R4130744-6 10/09/24 12:57

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	643	ND	588	91.5	50	75.0-125	

L1783077-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1783077-12 10/08/24 16:20 • (DUP) R4130086-2 10/08/24 16:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su	su		%		%
pH	8.81	8.81	1	0.000		1

Sample Narrative:  
 OS: 8.81 at 21.3C  
 DUP: 8.81 at 21.3C

L1783093-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1783093-15 10/08/24 16:20 • (DUP) R4130086-3 10/08/24 16:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su	su		%		%
pH	9.20	9.20	1	0.000		1

Sample Narrative:  
 OS: 9.2 at 20.4C  
 DUP: 9.2 at 20.3C

Laboratory Control Sample (LCS)

(LCS) R4130086-1 10/08/24 16:20

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
su	su	su	%	%	
pH	10.0	10.0	100	99.0-101	

Sample Narrative:  
 LCS: 10 at 19.7C

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1783093-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1783093-10 10/09/24 11:30 • (DUP) R4130369-2 10/09/24 11:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
pH	8.38	8.37	1	0.119		1

Sample Narrative:

OS: 8.38 at 20C

DUP: 8.37 at 20C

Laboratory Control Sample (LCS)

(LCS) R4130369-1 10/09/24 11:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
pH	10.0	9.99	99.9	99.0-101	

Sample Narrative:

LCS: 9.99 at 19.8C

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

Method Blank (MB)

(MB) R4130135-1 10/08/24 18:35

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Specific Conductance	U		10.0	10.0

Sample Narrative:

BLANK: at 25C

L1783077-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1783077-13 10/08/24 18:35 • (DUP) R4130135-3 10/08/24 18:35

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	240	243	1	1.49		20

Sample Narrative:

OS: at 25C  
DUP: at 25C

L1783093-26 Original Sample (OS) • Duplicate (DUP)

(OS) L1783093-26 10/08/24 18:35 • (DUP) R4130135-4 10/08/24 18:35

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	2640	2640	1	0.0378		20

Sample Narrative:

OS: at 25C  
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4130135-2 10/08/24 18:35

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Specific Conductance	733	741	101	85.0-115	

Sample Narrative:

LCS: at 25C



Method Blank (MB)

(MB) R4130531-1 10/09/24 14:55

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

Sample Narrative:

BLANK: at 25C

L1783093-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1783093-08 10/09/24 14:55 • (DUP) R4130531-3 10/09/24 14:55

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Specific Conductance	1670	1660	1	0.180		20

Sample Narrative:

OS: at 25C  
DUP: at 25C

L1783093-27 Original Sample (OS) • Duplicate (DUP)

(OS) L1783093-27 10/09/24 14:55 • (DUP) R4130531-4 10/09/24 14:55

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Specific Conductance	4710	4750	1	0.846		20

Sample Narrative:

OS: at 25C  
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4130531-2 10/09/24 14:55

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	733	713	97.3	85.0-115	

Sample Narrative:

LCS: at 25C

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4130125-1 10/08/24 15:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	U		0.0167	0.200

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

(LCS) R4130125-2 10/08/24 15:59 • (LCSD) R4130125-3 10/08/24 16:02

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 %
Hot Water Sol. Boron	1.00	1.11	1.09	111	109	80.0-120			1.91	20

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

Method Blank (MB)

(MB) R4131379-1 10/11/24 02:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	1.00
Barium	U		0.152	2.50
Cadmium	U		0.0855	1.00
Lead	U		0.0990	2.00
Nickel	U		0.197	2.50
Selenium	U		0.180	2.50
Silver	U		0.0865	0.500
Zinc	U		0.740	25.0

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

Method Blank (MB)

(MB) R4131707-1 10/11/24 18:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Copper	U		0.133	5.00

<sup>7</sup>Gl

<sup>8</sup>Al

Laboratory Control Sample (LCS)

(LCS) R4131379-2 10/11/24 02:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	99.9	99.9	80.0-120	
Barium	100	97.4	97.4	80.0-120	
Cadmium	100	101	101	80.0-120	
Lead	100	97.7	97.7	80.0-120	
Nickel	100	101	101	80.0-120	
Selenium	100	98.0	98.0	80.0-120	
Silver	20.0	20.4	102	80.0-120	
Zinc	100	99.7	99.7	80.0-120	

<sup>9</sup>Sc

Laboratory Control Sample (LCS)

(LCS) R4131707-2 10/11/24 18:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Copper	100	96.2	96.2	80.0-120	

L1783093-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1783093-08 10/11/24 02:22 • (MS) R4131379-5 10/11/24 02:32 • (MSD) R4131379-6 10/11/24 02:35

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	4.12	98.0	101	93.8	97.4	5	75.0-125			3.52	20
Barium	100	169	295	292	126	123	5	75.0-125	J5		1.03	20
Cadmium	100	ND	94.7	97.3	94.6	97.2	5	75.0-125			2.70	20
Lead	100	7.99	99.6	103	91.6	95.3	5	75.0-125			3.66	20
Nickel	100	10.2	105	109	95.3	98.7	5	75.0-125			3.23	20
Selenium	100	ND	94.5	96.0	94.1	95.6	5	75.0-125			1.58	20
Silver	20.0	ND	19.2	19.7	95.9	98.6	5	75.0-125			2.79	20
Zinc	100	35.6	133	138	97.0	102	5	75.0-125			3.76	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

L1783093-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1783093-08 10/11/24 18:08 • (MS) R4131707-5 10/11/24 18:18 • (MSD) R4131707-6 10/11/24 18:21

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Copper	100	9.59	114	110	104	100	5	75.0-125			3.48	20

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4129965-2 10/04/24 19:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0276	↓	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	94.5			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4129965-1 10/04/24 18:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.68	114	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			99.0	77.0-120	

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

Method Blank (MB)

(MB) R4129966-2 10/05/24 08:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0277	↓	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	96.8			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4129966-1 10/05/24 04:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.75	115	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			100	77.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4129385-2 10/07/24 00:39

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

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R4129385-2 10/07/24 00:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	117			75.0-131
(S) 4-Bromofluorobenzene	88.2			67.0-138
(S) 1,2-Dichloroethane-d4	97.5			70.0-130

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

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

(LCS) R4129385-1 10/06/24 23:19 • (LCSD) R4129385-3 10/07/24 10:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.510	0.285	81.6	45.6	10.0-160		J3	56.6	31
Acrylonitrile	0.625	0.827	0.842	132	135	45.0-153			1.80	22
Benzene	0.125	0.127	0.123	102	98.4	70.0-123			3.20	20
Bromobenzene	0.125	0.147	0.147	118	118	73.0-121			0.000	20
Bromodichloromethane	0.125	0.119	0.117	95.2	93.6	73.0-121			1.69	20

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

(LCS) R4129385-1 10/06/24 23:19 • (LCSD) R4129385-3 10/07/24 10:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromoform	0.125	0.121	0.118	96.8	94.4	64.0-132			2.51	20
Bromomethane	0.125	0.103	0.105	82.4	84.0	56.0-147			1.92	20
n-Butylbenzene	0.125	0.137	0.147	110	118	68.0-135			7.04	20
sec-Butylbenzene	0.125	0.141	0.153	113	122	74.0-130			8.16	20
tert-Butylbenzene	0.125	0.140	0.147	112	118	75.0-127			4.88	20
Carbon tetrachloride	0.125	0.135	0.135	108	108	66.0-128			0.000	20
Chlorobenzene	0.125	0.132	0.137	106	110	76.0-128			3.72	20
Chlorodibromomethane	0.125	0.136	0.132	109	106	74.0-127			2.99	20
Chloroethane	0.125	0.127	0.109	102	87.2	61.0-134			15.3	20
Chloroform	0.125	0.128	0.129	102	103	72.0-123			0.778	20
Chloromethane	0.125	0.111	0.110	88.8	88.0	51.0-138			0.905	20
2-Chlorotoluene	0.125	0.127	0.137	102	110	75.0-124			7.58	20
4-Chlorotoluene	0.125	0.139	0.147	111	118	75.0-124			5.59	20
1,2-Dibromo-3-Chloropropane	0.125	0.116	0.113	92.8	90.4	59.0-130			2.62	20
1,2-Dibromoethane	0.125	0.141	0.136	113	109	74.0-128			3.61	20
Dibromomethane	0.125	0.120	0.117	96.0	93.6	75.0-122			2.53	20
1,2-Dichlorobenzene	0.125	0.141	0.140	113	112	76.0-124			0.712	20
1,3-Dichlorobenzene	0.125	0.142	0.145	114	116	76.0-125			2.09	20
1,4-Dichlorobenzene	0.125	0.138	0.141	110	113	77.0-121			2.15	20
Dichlorodifluoromethane	0.125	0.104	0.103	83.2	82.4	43.0-156			0.966	20
1,1-Dichloroethane	0.125	0.136	0.133	109	106	70.0-127			2.23	20
1,2-Dichloroethane	0.125	0.119	0.115	95.2	92.0	65.0-131			3.42	20
1,1-Dichloroethene	0.125	0.139	0.146	111	117	65.0-131			4.91	20
cis-1,2-Dichloroethene	0.125	0.116	0.118	92.8	94.4	73.0-125			1.71	20
trans-1,2-Dichloroethene	0.125	0.121	0.125	96.8	100	71.0-125			3.25	20
1,2-Dichloropropane	0.125	0.132	0.125	106	100	74.0-125			5.45	20
1,1-Dichloropropene	0.125	0.140	0.141	112	113	73.0-125			0.712	20
1,3-Dichloropropane	0.125	0.138	0.143	110	114	80.0-125			3.56	20
cis-1,3-Dichloropropene	0.125	0.128	0.125	102	100	76.0-127			2.37	20
trans-1,3-Dichloropropene	0.125	0.142	0.143	114	114	73.0-127			0.702	20
2,2-Dichloropropane	0.125	0.127	0.146	102	117	59.0-135			13.9	20
Di-isopropyl ether	0.125	0.158	0.153	126	122	60.0-136			3.22	20
Ethylbenzene	0.125	0.140	0.144	112	115	74.0-126			2.82	20
Hexachloro-1,3-butadiene	0.125	0.145	0.157	116	126	57.0-150			7.95	20
Isopropylbenzene	0.125	0.138	0.141	110	113	72.0-127			2.15	20
p-Isopropyltoluene	0.125	0.132	0.146	106	117	72.0-133			10.1	20
2-Butanone (MEK)	0.625	0.703	0.684	112	109	30.0-160			2.74	24
Methylene Chloride	0.125	0.129	0.119	103	95.2	68.0-123			8.06	20
4-Methyl-2-pentanone (MIBK)	0.625	0.949	0.953	152	152	56.0-143	J4	J4	0.421	20
Methyl tert-butyl ether	0.125	0.142	0.129	114	103	66.0-132			9.59	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4129385-1 10/06/24 23:19 • (LCSD) R4129385-3 10/07/24 10:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Naphthalene	0.125	0.100	0.105	80.0	84.0	59.0-130			4.88	20
n-Propylbenzene	0.125	0.156	0.168	125	134	74.0-126		J4	7.41	20
Styrene	0.125	0.125	0.124	100	99.2	72.0-127			0.803	20
1,1,1,2-Tetrachloroethane	0.125	0.142	0.142	114	114	74.0-129			0.000	20
1,1,2,2-Tetrachloroethane	0.125	0.133	0.139	106	111	68.0-128			4.41	20
1,1,2-Trichlorotrifluoroethane	0.125	0.147	0.150	118	120	61.0-139			2.02	20
Tetrachloroethene	0.125	0.159	0.164	127	131	70.0-136			3.10	20
Toluene	0.125	0.141	0.144	113	115	75.0-121			2.11	20
1,2,3-Trichlorobenzene	0.125	0.124	0.128	99.2	102	59.0-139			3.17	20
1,2,4-Trichlorobenzene	0.125	0.117	0.126	93.6	101	62.0-137			7.41	20
1,1,1-Trichloroethane	0.125	0.139	0.138	111	110	69.0-126			0.722	20
1,1,2-Trichloroethane	0.125	0.130	0.129	104	103	78.0-123			0.772	20
Trichloroethene	0.125	0.144	0.136	115	109	76.0-126			5.71	20
Trichlorofluoromethane	0.125	0.110	0.110	88.0	88.0	61.0-142			0.000	20
1,2,3-Trichloropropane	0.125	0.149	0.146	119	117	67.0-129			2.03	20
1,2,4-Trimethylbenzene	0.125	0.118	0.126	94.4	101	70.0-126			6.56	20
1,2,3-Trimethylbenzene	0.125	0.129	0.132	103	106	74.0-124			2.30	20
1,3,5-Trimethylbenzene	0.125	0.136	0.138	109	110	73.0-127			1.46	20
Vinyl chloride	0.125	0.109	0.102	87.2	81.6	63.0-134			6.64	20
Xylenes, Total	0.375	0.345	0.381	92.0	102	72.0-127			9.92	20
(S) Toluene-d8				113	110	75.0-131				
(S) 4-Bromofluorobenzene				91.4	90.1	67.0-138				
(S) 1,2-Dichloroethane-d4				107	99.9	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4130833-1 10/09/24 17:44

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	71.2			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4130833-4 10/09/24 23:48

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
C10-C28 Diesel Range	50.0	9.16	18.3	50.0-150	<u>J4</u>
(S) o-Terphenyl			20.3	18.0-148	

L1783093-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1783093-05 10/09/24 22:52 • (MS) R4130833-2 10/09/24 23:06 • (MSD) R4130833-3 10/09/24 23:20

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C10-C28 Diesel Range	48.9	4300	5140	6090	1720	3710	100	50.0-150	<u>V</u>	<u>V</u>	16.9	20
(S) o-Terphenyl					0.000	0.000		18.0-148	<u>J7</u>	<u>J7</u>		

Sample Narrative:

OS: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4131260-1 10/10/24 16:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	90.1			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4131260-2 10/10/24 17:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	40.5	81.0	50.0-150	
(S) o-Terphenyl			91.7	18.0-148	

L1783093-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1783093-16 10/10/24 17:07 • (MS) R4131260-3 10/10/24 17:19 • (MSD) R4131260-4 10/10/24 17:31

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	49.0	ND	30.0	33.2	61.2	66.4	1	50.0-150			10.1	20
(S) o-Terphenyl					56.4	61.6		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4133358-1 10/15/24 16:52

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	88.1			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4133358-2 10/15/24 17:05

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
C10-C28 Diesel Range	50.0	40.0	80.0	50.0-150	
(S) o-Terphenyl			79.0	18.0-148	

L1783093-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1783093-01 10/15/24 17:17 • (MS) R4133358-3 10/15/24 17:30 • (MSD) R4133358-4 10/15/24 17:42

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C10-C28 Diesel Range	49.5	ND	39.5	37.4	74.3	71.1	1	50.0-150			5.46	20
(S) o-Terphenyl					0.000	113		18.0-148	J2			

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4132717-1 10/14/24 22:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	74.2			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4132717-2 10/14/24 22:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	41.9	83.8	50.0-150	
(S) o-Terphenyl			83.2	18.0-148	

L1784363-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1784363-09 10/15/24 01:35 • (MS) R4132717-3 10/15/24 01:48 • (MSD) R4132717-4 10/15/24 02:01

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	47.8	8.90	46.1	49.7	77.8	83.6	1	50.0-150			7.52	20
(S) o-Terphenyl					67.4	67.1		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4132585-2 10/09/24 22:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) p-Terphenyl-d14	128	J1		23.0-120
(S) Nitrobenzene-d5	115			14.0-149
(S) 2-Fluorobiphenyl	126	J1		34.0-125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4132585-1 10/09/24 21:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0819	102	50.0-126	
Acenaphthene	0.0800	0.0779	97.4	50.0-120	
Acenaphthylene	0.0800	0.0809	101	50.0-120	
Benzo(a)anthracene	0.0800	0.0834	104	45.0-120	
Benzo(a)pyrene	0.0800	0.0788	98.5	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0904	113	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0882	110	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0877	110	49.0-125	
Chrysene	0.0800	0.0884	111	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0889	111	47.0-125	
Fluoranthene	0.0800	0.0860	108	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R4132585-1 10/09/24 21:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0876	110	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0839	105	46.0-125	
Naphthalene	0.0800	0.0790	98.8	50.0-120	
Phenanthrene	0.0800	0.0845	106	47.0-120	
Pyrene	0.0800	0.0877	110	43.0-123	
1-Methylnaphthalene	0.0800	0.0825	103	51.0-121	
2-Methylnaphthalene	0.0800	0.0809	101	50.0-120	
2-Chloronaphthalene	0.0800	0.0840	105	50.0-120	
(S) p-Terphenyl-d14			124	23.0-120	J1
(S) Nitrobenzene-d5			113	14.0-149	
(S) 2-Fluorobiphenyl			124	34.0-125	

L1783144-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1783144-30 10/10/24 05:20 • (MS) R4132585-3 10/10/24 05:38 • (MSD) R4132585-4 10/10/24 05:55

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0768	ND	0.0720	0.0751	93.7	97.3	1	10.0-145			4.21	30
Acenaphthene	0.0768	ND	0.0714	0.0722	93.0	93.5	1	14.0-127			1.11	27
Acenaphthylene	0.0768	ND	0.0710	0.0724	92.4	93.8	1	21.0-124			1.95	25
Benzo(a)anthracene	0.0768	ND	0.0746	0.0763	97.1	98.8	1	10.0-139			2.25	30
Benzo(a)pyrene	0.0768	ND	0.0746	0.0775	97.1	100	1	10.0-141			3.81	31
Benzo(b)fluoranthene	0.0768	ND	0.0818	0.0838	107	109	1	10.0-140			2.42	36
Benzo(g,h,i)perylene	0.0768	ND	0.0821	0.0846	107	110	1	10.0-140			3.00	33
Benzo(k)fluoranthene	0.0768	ND	0.0785	0.0818	102	106	1	10.0-137			4.12	31
Chrysene	0.0768	ND	0.0787	0.0813	102	105	1	10.0-145			3.25	30
Dibenz(a,h)anthracene	0.0768	ND	0.0798	0.0824	104	107	1	10.0-132			3.21	31
Fluoranthene	0.0768	ND	0.0779	0.0808	101	105	1	10.0-153			3.65	33
Fluorene	0.0768	ND	0.0773	0.0801	101	104	1	11.0-130			3.56	29
Indeno(1,2,3-cd)pyrene	0.0768	ND	0.0758	0.0762	98.7	98.7	1	10.0-137			0.526	32
Naphthalene	0.0768	ND	0.0741	0.0755	96.5	97.8	1	10.0-135			1.87	27
Phenanthrene	0.0768	ND	0.0766	0.0792	99.7	103	1	10.0-144			3.34	31
Pyrene	0.0768	ND	0.0800	0.0830	104	108	1	10.0-148			3.68	35
1-Methylnaphthalene	0.0768	ND	0.0780	0.0801	102	104	1	10.0-142			2.66	28
2-Methylnaphthalene	0.0768	ND	0.0744	0.0774	96.9	100	1	10.0-137			3.95	28
2-Chloronaphthalene	0.0768	ND	0.0761	0.0766	99.1	99.2	1	29.0-120			0.655	24
(S) p-Terphenyl-d14					117	119		23.0-120				
(S) Nitrobenzene-d5					103	106		14.0-149				
(S) 2-Fluorobiphenyl					116	117		34.0-125				

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

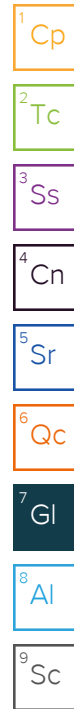
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.



# GLOSSARY OF TERMS

Qualifier	Description
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> 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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	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 <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	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 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al


<sup>9</sup> Sc

Company Name/Address:  
**PO&G Resources - Houston, TX**  
 5487 San Felipe Ste 3200  
 Houston, TX 77057

Billing Information:  
 Accounts Payable  
 5487 San Felipe Ste 3200  
 Houston, TX 77057

Pres  
 Chk

Analysis / Container / Preservative									

Chain of Custody Page \_\_\_ of \_\_\_  
  
 PEOPLE ADVANCING SCIENCE

Report to:  
**Rick Eggleston**

Email To: rick\_eggleston@pogresources.com

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

Project Description:  
**E. COLORADO**

City/State Collected:  
**CHRYSTEN WELLS COLORADO**

Please Circle:  
 PT  MT  CT  ET

Phone: **346-220-8355**

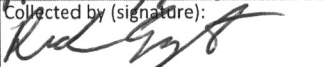
Client Project #

Lab Project #  
**POGHTX-BURLINGTON**

Collected by (print):  
**Rick Eggleston**

Site/Facility ID #  
**LOWE B-2 TB**

P.O. #

Collected by (signature):  


**Rush?** (Lab MUST Be Notified)  
 \_\_\_ Same Day \_\_\_ Five Day  
 \_\_\_ Next Day \_\_\_ 5 Day (Rad Only)  
 \_\_\_ Two Day \_\_\_ 10 Day (Rad Only)  
 \_\_\_ Three Day

Quote #

Immediately Packed on Ice N \_\_\_ Y

Date Results Needed

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs
-----------	-----------	----------	-------	------	------	-------

TBBG-2	G	SS	2FT	9/25/24	1610	4
TBBG-4	G	SS	4FT		1640	4
TBFL90-10		SS	10FT		1029	3
TBFL90N-10		SS	10FT		1022	3
TBFL90E-10		SS	10FT		1553	3
TBFL90W-10		SS	10FT		1018	3
TBFL90S-10		SS	10FT		1049	3
TBT1S-10		SS	10FT		1202	4
TBT1SFL90-10		SS	10FT		1539	4
TBT2-10	✓	SS	10FT	✓	1216	2

Full Table 915 8ozCir-NoPres

TPH  
SAR  
PH

SDG # **L1785017**  
**J180**

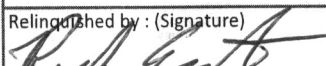
Acctnum: **POGHTX**  
 Template: **T260605**  
 Prelogin: **P1104850**  
 PM: **134 - Mark W. Beasley**  
 PB:

Shipped Via:  
 Remarks Sample # (lab only)

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

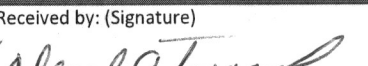
Remarks:  
 pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Flow \_\_\_\_\_ Other \_\_\_\_\_  
 Samples returned via:  
 \_\_\_ UPS \_\_\_ FedEx \_\_\_ Courier \_\_\_\_\_  
 Tracking # \_\_\_\_\_

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

Relinquished by: (Signature)  


Date: **9/27/24**

Time: **1312**

Received by: (Signature)  


Trip Blank Received: Yes / No  
 HCL / MeOH  
 TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

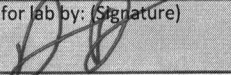
Temp: °C **69**  
 Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)  


Date: **6/28/24** Time: **900**

Hold: Condition: NCF / OK



Company Name/Address:  
**PO&G Resources - Houston, TX**  
 5487 San Felipe Ste 3200  
 Houston, TX 77057

Billing Information:  
**Accounts Payable**  
 5487 San Felipe Ste 3200  
 Houston, TX 77057

Pres  
 Chk

Analysis / Container / Preservative

Chain of Custody Page \_\_\_ of \_\_\_

Report to:  
**Rick Eggleston**

Email To: rick\_eggleston@pogresources.com

Project Description:  
**Eastern Colorado**

City/State: **Cheyenne Wells Colorado**  
 Collected: **Colorado**

Please Circle:  
 PT **(MT)** CT ET

Phone: **346-220-8355**

Client Project #

Lab Project #  
**POGHTX-BURLINGTON**

Collected by (print):  
**Rick Eggleston**

Site/Facility ID #  
**LOWE B-2 TB**

P.O. #

Collected by (signature):

**Rush?** (Lab MUST Be Notified)  
 \_\_\_ Same Day \_\_\_ Five Day  
 \_\_\_ Next Day \_\_\_ 5 Day (Rad Only)  
 \_\_\_ Two Day \_\_\_ 10 Day (Rad Only)  
 \_\_\_ Three Day

Quote #  
 Date Results Needed

Immediately Packed on Ice N \_\_\_ Y **X**

Full Table 915 8ozClr-NoPres

EC

SAR



**MT JULIET, TN**

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

SDG # **L1281094**

Table #

Acctnum: **POGHTX**

Template: **T260605**

Prelogin: **P1104850**

PM: **134 - Mark W. Beasley**

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
TB T4 FL90E-10	G	SS	10FT	9/25/24	1436	2
TB TSA40		SS	10FT		1324	2
TB T5 NN-10		SS	10FT		1345	2
TB T5 W-10		SS	10FT		1325	2
TB T5 FL90-10		SS	10FT		1411	2
TB T5 FL90N-10		SS	10FT		1346	2
TB T5 FL90E-10	✓	SS	10FT	✓	1258	2
		SS				

Remarks	Sample # (lab only)
	21
	22
	23
	24
	25
	26
	27

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

Remarks:  
 pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Flow \_\_\_\_\_ Other \_\_\_\_\_  
 Samples returned via:  
 \_\_\_ UPS \_\_\_ FedEx \_\_\_ Courier \_\_\_\_\_  
 Tracking # \_\_\_\_\_

**Sample Receipt Checklist**

COC Seal Present/Intact: ___ NP	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
COC Signed/Accurate:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Bottles arrive intact:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Correct bottles used:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Sufficient volume sent:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
<b>If Applicable</b>		
VOA Zero Headspace:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Preservation Correct/Checked:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N

Relinquished by: (Signature)  
  
 Relinquished by: (Signature)  
 Relinquished by: (Signature)

Date:  
**9/27/24**  
 Date:  
 Date:

Time:  
**1312**  
 Time:  
 Time:

Received by: (Signature)  
  
 Received by: (Signature)  
 Received for lab by: (Signature)

Trip Blank Received: Yes / No  
 HCL / MeOH  
 TBR  
 Temp: °C **69**  
 Bottles Received:  
 Date: **9/29/24** Time: **9:00**

If preservation required by Login: Date/Time  
 Hold:  
 Condition:  
 NCF / OK

Tracking Numbers	Temperature
404104870757	0.1+0.3 = 0.4
404104870735	2.1+0.3 = 2.4
404104870790	1.4+0.3 = 1.7
404104870746	1.6+0.3 = 1.9
404104870780	2.1+0.3 = 2.4
404104870805	0.3+0.3 = 0.6
404104870779	1.6+0.3 = 1.9
404104870768	1.3+0.3 = 1.6

*[Signature]*  
 Date

L1282093

*[Signature]*  
 Name