

## Utah Gas Corporation

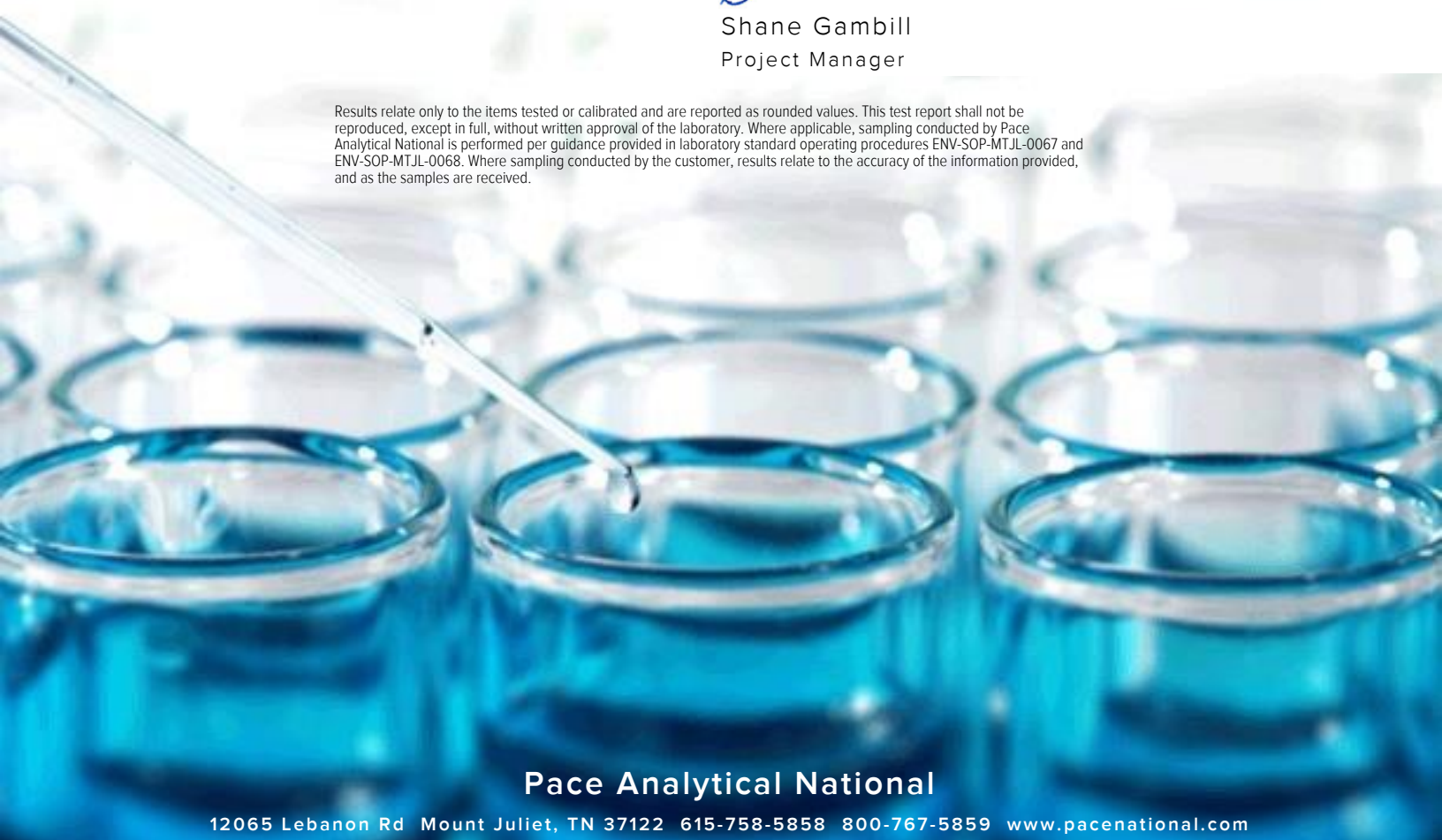
Sample Delivery Group: L1670064  
Samples Received: 10/25/2023  
Project Number: SKI 31-1  
Description: Ski 31-1  
Site: SKI 31-1  
Report To: Ronnie Plummer  
1125 Escalante Drive  
Rangely, CO 81648

Entire Report Reviewed By:



Shane Gambill  
Project Manager

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**Pace Analytical National**

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

# TABLE OF CONTENTS

<b>Cp: Cover Page</b>	<b>1</b>
<b>Tc: Table of Contents</b>	<b>2</b>
<b>Ss: Sample Summary</b>	<b>3</b>
<b>Cn: Case Narrative</b>	<b>5</b>
<b>Sr: Sample Results</b>	<b>6</b>
SKI 31-1 HIST PIT SWALL 4 L1670064-01	6
SKI 31-1 HIST PIT WWALL 4 L1670064-02	8
SKI 31-1 WHN L1670064-03	10
SKI 31-1 WHS L1670064-04	12
SKI 31-1 WHE L1670064-05	14
SKI 31-1 WHW L1670064-06	16
SKI 31-1 WH BOT L1670064-07	18
<b>Qc: Quality Control Summary</b>	<b>20</b>
Wet Chemistry by Method 7199	20
Wet Chemistry by Method 9045D	21
Wet Chemistry by Method 9050AMod	22
Metals (ICP) by Method 6010B-NE493 Ch 2	23
Metals (ICPMS) by Method 6020	24
Volatile Organic Compounds (GC) by Method 8015D/GRO	26
Volatile Organic Compounds (GC/MS) by Method 8260B	27
Semi-Volatile Organic Compounds (GC) by Method 8015M	28
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	29
<b>Gl: Glossary of Terms</b>	<b>33</b>
<b>Al: Accreditations &amp; Locations</b>	<b>34</b>
<b>Sc: Sample Chain of Custody</b>	<b>35</b>

<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

## SKI 31-1 HIST PIT SWALL 4 L1670064-01 Solid

Collected by Dana Pollack  
 Collected date/time 10/20/23 08:00  
 Received date/time 10/25/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2160158	1	11/04/23 19:04	11/04/23 19:04	DJS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2159132	1	10/27/23 12:48	10/31/23 09:20	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2160447	1	10/30/23 11:18	10/31/23 10:45	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2162033	1	11/01/23 10:30	11/01/23 15:00	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2160159	1	10/31/23 16:28	11/01/23 20:23	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2159783	5	10/28/23 07:27	11/02/23 01:30	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2161802	1	10/29/23 08:28	11/01/23 09:47	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2160630	1	10/29/23 08:28	10/30/23 14:09	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2161013	1	11/01/23 15:48	11/01/23 20:46	ICD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2160396	1	10/31/23 16:50	11/01/23 07:55	JCH	Mt. Juliet, TN



## SKI 31-1 HIST PIT WWALL 4 L1670064-02 Solid

Collected by Dana Pollack  
 Collected date/time 10/20/23 08:10  
 Received date/time 10/25/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2160158	1	11/04/23 18:29	11/04/23 18:29	DJS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2159132	1	10/27/23 12:48	10/31/23 09:31	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2160447	1	10/30/23 11:18	10/31/23 10:45	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2162033	1	11/01/23 10:30	11/01/23 15:00	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2160159	1	10/31/23 16:28	11/01/23 20:11	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2159783	5	10/28/23 07:27	11/02/23 01:34	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2161802	1	10/29/23 08:28	11/01/23 10:09	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2160630	1	10/29/23 08:28	10/30/23 14:27	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2161013	1	11/01/23 15:48	11/01/23 20:32	ICD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2160396	1	10/31/23 16:50	11/01/23 08:12	JCH	Mt. Juliet, TN

## SKI 31-1 WHN L1670064-03 Solid

Collected by Dana Pollack  
 Collected date/time 10/20/23 08:20  
 Received date/time 10/25/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2160158	1	11/04/23 19:16	11/04/23 19:16	DJS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2159132	1	10/27/23 12:48	10/31/23 09:36	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2160447	1	10/30/23 11:18	10/31/23 10:45	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2162033	1	11/01/23 10:30	11/01/23 15:00	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2160159	1	10/31/23 16:28	11/01/23 20:08	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2159783	5	10/28/23 07:27	11/02/23 01:37	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2161802	1	10/29/23 08:28	11/01/23 10:32	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2160630	1	10/29/23 08:28	10/30/23 14:46	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2161013	1	11/01/23 15:48	11/01/23 22:36	ICD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2160710	1	10/30/23 15:46	10/31/23 05:46	DSH	Mt. Juliet, TN

## SKI 31-1 WHS L1670064-04 Solid

Collected by Dana Pollack  
 Collected date/time 10/20/23 08:30  
 Received date/time 10/25/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2160158	1	11/04/23 18:32	11/04/23 18:32	DJS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2159132	1	10/27/23 12:48	10/31/23 09:41	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2160447	1	10/30/23 11:18	10/31/23 10:45	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2162033	1	11/01/23 10:30	11/01/23 15:00	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2160159	1	10/31/23 16:28	11/01/23 20:05	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2159777	5	10/28/23 07:30	10/31/23 01:21	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2161802	1	10/29/23 08:28	11/01/23 10:55	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2160630	1	10/29/23 08:28	10/30/23 15:04	KSD	Mt. Juliet, TN

# SAMPLE SUMMARY

## SKI 31-1 WHS L1670064-04 Solid

Collected by Dana Pollack  
 Collected date/time 10/20/23 08:30  
 Received date/time 10/25/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2161013	1	11/01/23 15:48	11/01/23 21:55	ICD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2160710	1	10/30/23 15:46	10/31/23 00:45	DSH	Mt. Juliet, TN



## SKI 31-1 WHE L1670064-05 Solid

Collected by Dana Pollack  
 Collected date/time 10/20/23 08:40  
 Received date/time 10/25/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2160158	1	11/04/23 18:26	11/04/23 18:26	DJS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2159132	1	10/27/23 12:48	10/31/23 09:46	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2160447	1	10/30/23 11:18	10/31/23 10:45	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2162033	1	11/01/23 10:30	11/01/23 15:00	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2160159	1	10/31/23 16:28	11/01/23 20:02	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2159777	5	10/28/23 07:30	10/31/23 01:25	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2161802	1	10/29/23 08:28	11/01/23 11:17	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2160630	1	10/29/23 08:28	10/30/23 15:23	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2161013	1	11/01/23 15:48	11/01/23 21:27	ICD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2160710	1	10/30/23 15:46	10/31/23 01:03	DSH	Mt. Juliet, TN

## SKI 31-1 WHW L1670064-06 Solid

Collected by Dana Pollack  
 Collected date/time 10/20/23 08:50  
 Received date/time 10/25/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2160158	1	11/04/23 19:01	11/04/23 19:01	DJS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2159132	1	10/27/23 12:48	10/31/23 09:51	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2160447	1	10/30/23 11:18	10/31/23 10:45	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2162033	1	11/01/23 10:30	11/01/23 15:00	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2160159	1	10/31/23 16:28	11/01/23 19:59	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2159777	5	10/28/23 07:30	10/31/23 01:28	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2161802	1	10/29/23 08:28	11/01/23 11:40	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2160630	1	10/29/23 08:28	10/30/23 15:41	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2161013	1	11/01/23 15:48	11/01/23 22:09	ICD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2160710	1	10/30/23 15:46	10/31/23 01:21	DSH	Mt. Juliet, TN

## SKI 31-1 WH BOT L1670064-07 Solid

Collected by Dana Pollack  
 Collected date/time 10/20/23 09:00  
 Received date/time 10/25/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2160161	1	11/02/23 05:15	11/02/23 05:15	DJS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2159132	1	10/27/23 12:48	10/31/23 11:08	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2160447	1	10/30/23 11:18	10/31/23 10:45	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2162033	1	11/01/23 10:30	11/01/23 15:00	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2160159	1	10/31/23 16:28	11/01/23 19:56	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2159777	5	10/28/23 07:30	10/31/23 01:32	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2161802	1	10/29/23 08:28	11/01/23 12:03	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2160630	1	10/29/23 08:28	10/30/23 16:00	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2161013	1	11/01/23 15:48	11/01/23 22:22	ICD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2160710	1	10/30/23 15:46	10/31/23 01:38	DSH	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.



Shane Gambill  
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	54.8		1	11/04/2023 19:04	WG2160158



Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	10/31/2023 09:20	<a href="#">WG2159132</a>



Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	9.87	<u>T8</u>	1	10/31/2023 10:45	<a href="#">WG2160447</a>

Sample Narrative:

L1670064-01 WG2160447: 9.87 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	4060		10.0	1	11/01/2023 15:00	<a href="#">WG2162033</a>

Sample Narrative:

L1670064-01 WG2162033: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.488		0.0167	0.200	1	11/01/2023 20:23	<a href="#">WG2160159</a>

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.35		0.100	1.00	5	11/02/2023 01:30	<a href="#">WG2159783</a>
Barium	99.6		0.152	2.50	5	11/02/2023 01:30	<a href="#">WG2159783</a>
Cadmium	0.268	<u>J</u>	0.0855	1.00	5	11/02/2023 01:30	<a href="#">WG2159783</a>
Copper	11.9		0.132	5.00	5	11/02/2023 01:30	<a href="#">WG2159783</a>
Lead	9.23		0.0990	2.00	5	11/02/2023 01:30	<a href="#">WG2159783</a>
Nickel	10.8		0.197	2.50	5	11/02/2023 01:30	<a href="#">WG2159783</a>
Selenium	0.422	<u>J</u>	0.180	2.50	5	11/02/2023 01:30	<a href="#">WG2159783</a>
Silver	U		0.0865	0.500	5	11/02/2023 01:30	<a href="#">WG2159783</a>
Zinc	42.3		0.740	25.0	5	11/02/2023 01:30	<a href="#">WG2159783</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0872	<u>J</u>	0.0217	0.100	1	11/01/2023 09:47	<a href="#">WG2161802</a>
(S) a,a,a-Trifluorotoluene(FID)	89.3			77.0-120		11/01/2023 09:47	<a href="#">WG2161802</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	10/30/2023 14:09	<a href="#">WG2160630</a>
Toluene	U		0.00130	0.00500	1	10/30/2023 14:09	<a href="#">WG2160630</a>
Ethylbenzene	U		0.000737	0.00250	1	10/30/2023 14:09	<a href="#">WG2160630</a>
Xylenes, Total	U		0.000880	0.00650	1	10/30/2023 14:09	<a href="#">WG2160630</a>
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	10/30/2023 14:09	<a href="#">WG2160630</a>
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	10/30/2023 14:09	<a href="#">WG2160630</a>
(S) Toluene-d8	105			75.0-131		10/30/2023 14:09	<a href="#">WG2160630</a>
(S) 4-Bromofluorobenzene	102			67.0-138		10/30/2023 14:09	<a href="#">WG2160630</a>
(S) 1,2-Dichloroethane-d4	95.1			70.0-130		10/30/2023 14:09	<a href="#">WG2160630</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	11/01/2023 20:46	<a href="#">WG2161013</a>
C28-C36 Motor Oil Range	1.56	<u>B</u> <u>J</u>	0.274	4.00	1	11/01/2023 20:46	<a href="#">WG2161013</a>
(S) o-Terphenyl	55.5			18.0-148		11/01/2023 20:46	<a href="#">WG2161013</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00230	0.00600	1	11/01/2023 07:55	<a href="#">WG2160396</a>
Acenaphthene	U		0.00209	0.00600	1	11/01/2023 07:55	<a href="#">WG2160396</a>
Acenaphthylene	U		0.00216	0.00600	1	11/01/2023 07:55	<a href="#">WG2160396</a>
Benzo(a)anthracene	U		0.00173	0.00600	1	11/01/2023 07:55	<a href="#">WG2160396</a>
Benzo(a)pyrene	U		0.00179	0.00600	1	11/01/2023 07:55	<a href="#">WG2160396</a>
Benzo(b)fluoranthene	U		0.00153	0.00600	1	11/01/2023 07:55	<a href="#">WG2160396</a>
Benzo(g,h,i)perylene	U		0.00177	0.00600	1	11/01/2023 07:55	<a href="#">WG2160396</a>
Benzo(k)fluoranthene	U		0.00215	0.00600	1	11/01/2023 07:55	<a href="#">WG2160396</a>
Chrysene	U		0.00232	0.00600	1	11/01/2023 07:55	<a href="#">WG2160396</a>
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	11/01/2023 07:55	<a href="#">WG2160396</a>
Fluoranthene	U		0.00227	0.00600	1	11/01/2023 07:55	<a href="#">WG2160396</a>
Fluorene	U		0.00205	0.00600	1	11/01/2023 07:55	<a href="#">WG2160396</a>
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	11/01/2023 07:55	<a href="#">WG2160396</a>
Naphthalene	U		0.00408	0.0200	1	11/01/2023 07:55	<a href="#">WG2160396</a>
Phenanthrene	U		0.00231	0.00600	1	11/01/2023 07:55	<a href="#">WG2160396</a>
Pyrene	U		0.00200	0.00600	1	11/01/2023 07:55	<a href="#">WG2160396</a>
1-Methylnaphthalene	U		0.00449	0.0200	1	11/01/2023 07:55	<a href="#">WG2160396</a>
2-Methylnaphthalene	U		0.00427	0.0200	1	11/01/2023 07:55	<a href="#">WG2160396</a>
2-Chloronaphthalene	U		0.00466	0.0200	1	11/01/2023 07:55	<a href="#">WG2160396</a>
(S) p-Terphenyl-d14	79.8			23.0-120		11/01/2023 07:55	<a href="#">WG2160396</a>
(S) Nitrobenzene-d5	65.1			14.0-149		11/01/2023 07:55	<a href="#">WG2160396</a>
(S) 2-Fluorobiphenyl	65.6			34.0-125		11/01/2023 07:55	<a href="#">WG2160396</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	33.5		1	11/04/2023 18:29	WG2160158

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

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	10/31/2023 09:31	<a href="#">WG2159132</a>

5 Sr

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	9.81	<u>T8</u>	1	10/31/2023 10:45	<a href="#">WG2160447</a>

6 Qc

Sample Narrative:

L1670064-02 WG2160447: 9.81 at 20.3C

7 Gl

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	4900		10.0	1	11/01/2023 15:00	<a href="#">WG2162033</a>

8 Al

Sample Narrative:

L1670064-02 WG2162033: at 25C

9 Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.119	<u>J</u>	0.0167	0.200	1	11/01/2023 20:11	<a href="#">WG2160159</a>

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.15		0.100	1.00	5	11/02/2023 01:34	<a href="#">WG2159783</a>
Barium	104		0.152	2.50	5	11/02/2023 01:34	<a href="#">WG2159783</a>
Cadmium	0.248	<u>J</u>	0.0855	1.00	5	11/02/2023 01:34	<a href="#">WG2159783</a>
Copper	12.4		0.132	5.00	5	11/02/2023 01:34	<a href="#">WG2159783</a>
Lead	9.04		0.0990	2.00	5	11/02/2023 01:34	<a href="#">WG2159783</a>
Nickel	10.9		0.197	2.50	5	11/02/2023 01:34	<a href="#">WG2159783</a>
Selenium	0.407	<u>J</u>	0.180	2.50	5	11/02/2023 01:34	<a href="#">WG2159783</a>
Silver	U		0.0865	0.500	5	11/02/2023 01:34	<a href="#">WG2159783</a>
Zinc	40.9		0.740	25.0	5	11/02/2023 01:34	<a href="#">WG2159783</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.141		0.0217	0.100	1	11/01/2023 10:09	<a href="#">WG2161802</a>
(S) a,a,a-Trifluorotoluene(FID)	87.5			77.0-120		11/01/2023 10:09	<a href="#">WG2161802</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	10/30/2023 14:27	<a href="#">WG2160630</a>
Toluene	U		0.00130	0.00500	1	10/30/2023 14:27	<a href="#">WG2160630</a>
Ethylbenzene	U		0.000737	0.00250	1	10/30/2023 14:27	<a href="#">WG2160630</a>
Xylenes, Total	U		0.000880	0.00650	1	10/30/2023 14:27	<a href="#">WG2160630</a>
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	10/30/2023 14:27	<a href="#">WG2160630</a>
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	10/30/2023 14:27	<a href="#">WG2160630</a>
(S) Toluene-d8	102			75.0-131		10/30/2023 14:27	<a href="#">WG2160630</a>
(S) 4-Bromofluorobenzene	97.4			67.0-138		10/30/2023 14:27	<a href="#">WG2160630</a>
(S) 1,2-Dichloroethane-d4	96.7			70.0-130		10/30/2023 14:27	<a href="#">WG2160630</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	11/01/2023 20:32	<a href="#">WG2160103</a>
C28-C36 Motor Oil Range	2.39	<u>B</u> <u>J</u>	0.274	4.00	1	11/01/2023 20:32	<a href="#">WG2160103</a>
(S) o-Terphenyl	52.0			18.0-148		11/01/2023 20:32	<a href="#">WG2160103</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00230	0.00600	1	11/01/2023 08:12	<a href="#">WG2160396</a>
Acenaphthene	U		0.00209	0.00600	1	11/01/2023 08:12	<a href="#">WG2160396</a>
Acenaphthylene	U		0.00216	0.00600	1	11/01/2023 08:12	<a href="#">WG2160396</a>
Benzo(a)anthracene	U		0.00173	0.00600	1	11/01/2023 08:12	<a href="#">WG2160396</a>
Benzo(a)pyrene	U		0.00179	0.00600	1	11/01/2023 08:12	<a href="#">WG2160396</a>
Benzo(b)fluoranthene	U		0.00153	0.00600	1	11/01/2023 08:12	<a href="#">WG2160396</a>
Benzo(g,h,i)perylene	U		0.00177	0.00600	1	11/01/2023 08:12	<a href="#">WG2160396</a>
Benzo(k)fluoranthene	U		0.00215	0.00600	1	11/01/2023 08:12	<a href="#">WG2160396</a>
Chrysene	U		0.00232	0.00600	1	11/01/2023 08:12	<a href="#">WG2160396</a>
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	11/01/2023 08:12	<a href="#">WG2160396</a>
Fluoranthene	U		0.00227	0.00600	1	11/01/2023 08:12	<a href="#">WG2160396</a>
Fluorene	U		0.00205	0.00600	1	11/01/2023 08:12	<a href="#">WG2160396</a>
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	11/01/2023 08:12	<a href="#">WG2160396</a>
Naphthalene	U		0.00408	0.0200	1	11/01/2023 08:12	<a href="#">WG2160396</a>
Phenanthrene	U		0.00231	0.00600	1	11/01/2023 08:12	<a href="#">WG2160396</a>
Pyrene	U		0.00200	0.00600	1	11/01/2023 08:12	<a href="#">WG2160396</a>
1-Methylnaphthalene	U		0.00449	0.0200	1	11/01/2023 08:12	<a href="#">WG2160396</a>
2-Methylnaphthalene	U		0.00427	0.0200	1	11/01/2023 08:12	<a href="#">WG2160396</a>
2-Chloronaphthalene	U		0.00466	0.0200	1	11/01/2023 08:12	<a href="#">WG2160396</a>
(S) p-Terphenyl-d14	71.0			23.0-120		11/01/2023 08:12	<a href="#">WG2160396</a>
(S) Nitrobenzene-d5	68.7			14.0-149		11/01/2023 08:12	<a href="#">WG2160396</a>
(S) 2-Fluorobiphenyl	64.4			34.0-125		11/01/2023 08:12	<a href="#">WG2160396</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	4.32		1	11/04/2023 19:16	WG2160158

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	10/31/2023 09:36	<a href="#">WG2159132</a>

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.71	<u>T8</u>	1	10/31/2023 10:45	<a href="#">WG2160447</a>

Sample Narrative:

L1670064-03 WG2160447: 7.71 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	3770		10.0	1	11/01/2023 15:00	<a href="#">WG2162033</a>

Sample Narrative:

L1670064-03 WG2162033: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.16		0.0167	0.200	1	11/01/2023 20:08	<a href="#">WG2160159</a>

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.21		0.100	1.00	5	11/02/2023 01:37	<a href="#">WG2159783</a>
Barium	198		0.152	2.50	5	11/02/2023 01:37	<a href="#">WG2159783</a>
Cadmium	0.271	<u>J</u>	0.0855	1.00	5	11/02/2023 01:37	<a href="#">WG2159783</a>
Copper	8.85		0.132	5.00	5	11/02/2023 01:37	<a href="#">WG2159783</a>
Lead	9.01		0.0990	2.00	5	11/02/2023 01:37	<a href="#">WG2159783</a>
Nickel	9.53		0.197	2.50	5	11/02/2023 01:37	<a href="#">WG2159783</a>
Selenium	0.620	<u>J</u>	0.180	2.50	5	11/02/2023 01:37	<a href="#">WG2159783</a>
Silver	U		0.0865	0.500	5	11/02/2023 01:37	<a href="#">WG2159783</a>
Zinc	42.0		0.740	25.0	5	11/02/2023 01:37	<a href="#">WG2159783</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.119		0.0217	0.100	1	11/01/2023 10:32	<a href="#">WG2161802</a>
(S) a,a,a-Trifluorotoluene(FID)	87.2			77.0-120		11/01/2023 10:32	<a href="#">WG2161802</a>



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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	10/30/2023 14:46	<a href="#">WG2160630</a>
Toluene	U		0.00130	0.00500	1	10/30/2023 14:46	<a href="#">WG2160630</a>
Ethylbenzene	U		0.000737	0.00250	1	10/30/2023 14:46	<a href="#">WG2160630</a>
Xylenes, Total	U		0.000880	0.00650	1	10/30/2023 14:46	<a href="#">WG2160630</a>
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	10/30/2023 14:46	<a href="#">WG2160630</a>
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	10/30/2023 14:46	<a href="#">WG2160630</a>
(S) Toluene-d8	106			75.0-131		10/30/2023 14:46	<a href="#">WG2160630</a>
(S) 4-Bromofluorobenzene	109			67.0-138		10/30/2023 14:46	<a href="#">WG2160630</a>
(S) 1,2-Dichloroethane-d4	97.6			70.0-130		10/30/2023 14:46	<a href="#">WG2160630</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	5.38		1.61	4.00	1	11/01/2023 22:36	<a href="#">WG2161013</a>
C28-C36 Motor Oil Range	22.2		0.274	4.00	1	11/01/2023 22:36	<a href="#">WG2161013</a>
(S) o-Terphenyl	59.4			18.0-148		11/01/2023 22:36	<a href="#">WG2161013</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00230	0.00600	1	10/31/2023 05:46	<a href="#">WG2160710</a>
Acenaphthene	U		0.00209	0.00600	1	10/31/2023 05:46	<a href="#">WG2160710</a>
Acenaphthylene	U		0.00216	0.00600	1	10/31/2023 05:46	<a href="#">WG2160710</a>
Benzo(a)anthracene	U		0.00173	0.00600	1	10/31/2023 05:46	<a href="#">WG2160710</a>
Benzo(a)pyrene	U		0.00179	0.00600	1	10/31/2023 05:46	<a href="#">WG2160710</a>
Benzo(b)fluoranthene	U		0.00153	0.00600	1	10/31/2023 05:46	<a href="#">WG2160710</a>
Benzo(g,h,i)perylene	U		0.00177	0.00600	1	10/31/2023 05:46	<a href="#">WG2160710</a>
Benzo(k)fluoranthene	U		0.00215	0.00600	1	10/31/2023 05:46	<a href="#">WG2160710</a>
Chrysene	U		0.00232	0.00600	1	10/31/2023 05:46	<a href="#">WG2160710</a>
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	10/31/2023 05:46	<a href="#">WG2160710</a>
Fluoranthene	U		0.00227	0.00600	1	10/31/2023 05:46	<a href="#">WG2160710</a>
Fluorene	U		0.00205	0.00600	1	10/31/2023 05:46	<a href="#">WG2160710</a>
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	10/31/2023 05:46	<a href="#">WG2160710</a>
Naphthalene	U		0.00408	0.0200	1	10/31/2023 05:46	<a href="#">WG2160710</a>
Phenanthrene	U		0.00231	0.00600	1	10/31/2023 05:46	<a href="#">WG2160710</a>
Pyrene	U		0.00200	0.00600	1	10/31/2023 05:46	<a href="#">WG2160710</a>
1-Methylnaphthalene	U		0.00449	0.0200	1	10/31/2023 05:46	<a href="#">WG2160710</a>
2-Methylnaphthalene	U		0.00427	0.0200	1	10/31/2023 05:46	<a href="#">WG2160710</a>
2-Chloronaphthalene	U		0.00466	0.0200	1	10/31/2023 05:46	<a href="#">WG2160710</a>
(S) p-Terphenyl-d14	42.9			23.0-120		10/31/2023 05:46	<a href="#">WG2160710</a>
(S) Nitrobenzene-d5	53.2			14.0-149		10/31/2023 05:46	<a href="#">WG2160710</a>
(S) 2-Fluorobiphenyl	39.8			34.0-125		10/31/2023 05:46	<a href="#">WG2160710</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	11.6		1	11/04/2023 18:32	WG2160158

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

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	10/31/2023 09:41	<a href="#">WG2159132</a>

- 5 Sr
- 6 Qc

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.85	<u>T8</u>	1	10/31/2023 10:45	<a href="#">WG2160447</a>

- 7 Gl
- 8 Al

Sample Narrative:

L1670064-04 WG2160447: 8.85 at 20.5C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	837		10.0	1	11/01/2023 15:00	<a href="#">WG2162033</a>

- 9 Sc

Sample Narrative:

L1670064-04 WG2162033: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.74		0.0167	0.200	1	11/01/2023 20:05	<a href="#">WG2160159</a>

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.14		0.100	1.00	5	10/31/2023 01:21	<a href="#">WG2159777</a>
Barium	141		0.152	2.50	5	10/31/2023 01:21	<a href="#">WG2159777</a>
Cadmium	0.294	<u>J</u>	0.0855	1.00	5	10/31/2023 01:21	<a href="#">WG2159777</a>
Copper	9.19		0.132	5.00	5	10/31/2023 01:21	<a href="#">WG2159777</a>
Lead	8.11		0.0990	2.00	5	10/31/2023 01:21	<a href="#">WG2159777</a>
Nickel	9.78		0.197	2.50	5	10/31/2023 01:21	<a href="#">WG2159777</a>
Selenium	0.610	<u>J</u>	0.180	2.50	5	10/31/2023 01:21	<a href="#">WG2159777</a>
Silver	U		0.0865	0.500	5	10/31/2023 01:21	<a href="#">WG2159777</a>
Zinc	37.2		0.740	25.0	5	10/31/2023 01:21	<a href="#">WG2159777</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0854	<u>J</u>	0.0217	0.100	1	11/01/2023 10:55	<a href="#">WG2161802</a>
(S) a,a,a-Trifluorotoluene(FID)	88.3			77.0-120		11/01/2023 10:55	<a href="#">WG2161802</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	10/30/2023 15:04	<a href="#">WG2160630</a>
Toluene	U		0.00130	0.00500	1	10/30/2023 15:04	<a href="#">WG2160630</a>
Ethylbenzene	U		0.000737	0.00250	1	10/30/2023 15:04	<a href="#">WG2160630</a>
Xylenes, Total	U		0.000880	0.00650	1	10/30/2023 15:04	<a href="#">WG2160630</a>
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	10/30/2023 15:04	<a href="#">WG2160630</a>
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	10/30/2023 15:04	<a href="#">WG2160630</a>
(S) Toluene-d8	104			75.0-131		10/30/2023 15:04	<a href="#">WG2160630</a>
(S) 4-Bromofluorobenzene	107			67.0-138		10/30/2023 15:04	<a href="#">WG2160630</a>
(S) 1,2-Dichloroethane-d4	97.5			70.0-130		10/30/2023 15:04	<a href="#">WG2160630</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	2.71	J	1.61	4.00	1	11/01/2023 21:55	<a href="#">WG2161013</a>
C28-C36 Motor Oil Range	7.94		0.274	4.00	1	11/01/2023 21:55	<a href="#">WG2161013</a>
(S) o-Terphenyl	57.3			18.0-148		11/01/2023 21:55	<a href="#">WG2161013</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00230	0.00600	1	10/31/2023 00:45	<a href="#">WG2160710</a>
Acenaphthene	U		0.00209	0.00600	1	10/31/2023 00:45	<a href="#">WG2160710</a>
Acenaphthylene	U		0.00216	0.00600	1	10/31/2023 00:45	<a href="#">WG2160710</a>
Benzo(a)anthracene	U		0.00173	0.00600	1	10/31/2023 00:45	<a href="#">WG2160710</a>
Benzo(a)pyrene	U		0.00179	0.00600	1	10/31/2023 00:45	<a href="#">WG2160710</a>
Benzo(b)fluoranthene	U		0.00153	0.00600	1	10/31/2023 00:45	<a href="#">WG2160710</a>
Benzo(g,h,i)perylene	U		0.00177	0.00600	1	10/31/2023 00:45	<a href="#">WG2160710</a>
Benzo(k)fluoranthene	U		0.00215	0.00600	1	10/31/2023 00:45	<a href="#">WG2160710</a>
Chrysene	U		0.00232	0.00600	1	10/31/2023 00:45	<a href="#">WG2160710</a>
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	10/31/2023 00:45	<a href="#">WG2160710</a>
Fluoranthene	U		0.00227	0.00600	1	10/31/2023 00:45	<a href="#">WG2160710</a>
Fluorene	U		0.00205	0.00600	1	10/31/2023 00:45	<a href="#">WG2160710</a>
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	10/31/2023 00:45	<a href="#">WG2160710</a>
Naphthalene	U		0.00408	0.0200	1	10/31/2023 00:45	<a href="#">WG2160710</a>
Phenanthrene	U		0.00231	0.00600	1	10/31/2023 00:45	<a href="#">WG2160710</a>
Pyrene	U		0.00200	0.00600	1	10/31/2023 00:45	<a href="#">WG2160710</a>
1-Methylnaphthalene	U		0.00449	0.0200	1	10/31/2023 00:45	<a href="#">WG2160710</a>
2-Methylnaphthalene	U		0.00427	0.0200	1	10/31/2023 00:45	<a href="#">WG2160710</a>
2-Chloronaphthalene	U		0.00466	0.0200	1	10/31/2023 00:45	<a href="#">WG2160710</a>
(S) p-Terphenyl-d14	60.0			23.0-120		10/31/2023 00:45	<a href="#">WG2160710</a>
(S) Nitrobenzene-d5	42.4			14.0-149		10/31/2023 00:45	<a href="#">WG2160710</a>
(S) 2-Fluorobiphenyl	54.8			34.0-125		10/31/2023 00:45	<a href="#">WG2160710</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	7.39		1	11/04/2023 18:26	WG2160158

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	10/31/2023 09:46	<a href="#">WG2159132</a>

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.41	<u>T8</u>	1	10/31/2023 10:45	<a href="#">WG2160447</a>

Sample Narrative:

L1670064-05 WG2160447: 8.41 at 20.4C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	4160		10.0	1	11/01/2023 15:00	<a href="#">WG2162033</a>

Sample Narrative:

L1670064-05 WG2162033: at 25C

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

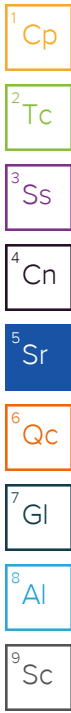
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	1.04		0.0167	0.200	1	11/01/2023 20:02	<a href="#">WG2160159</a>

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.25		0.100	1.00	5	10/31/2023 01:25	<a href="#">WG2159777</a>
Barium	120		0.152	2.50	5	10/31/2023 01:25	<a href="#">WG2159777</a>
Cadmium	0.284	<u>J</u>	0.0855	1.00	5	10/31/2023 01:25	<a href="#">WG2159777</a>
Copper	9.02		0.132	5.00	5	10/31/2023 01:25	<a href="#">WG2159777</a>
Lead	8.60		0.0990	2.00	5	10/31/2023 01:25	<a href="#">WG2159777</a>
Nickel	10.9		0.197	2.50	5	10/31/2023 01:25	<a href="#">WG2159777</a>
Selenium	0.664	<u>J</u>	0.180	2.50	5	10/31/2023 01:25	<a href="#">WG2159777</a>
Silver	U		0.0865	0.500	5	10/31/2023 01:25	<a href="#">WG2159777</a>
Zinc	41.8		0.740	25.0	5	10/31/2023 01:25	<a href="#">WG2159777</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0890	<u>J</u>	0.0217	0.100	1	11/01/2023 11:17	<a href="#">WG2161802</a>
(S) a,a,a-Trifluorotoluene(FID)	89.2			77.0-120		11/01/2023 11:17	<a href="#">WG2161802</a>



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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	10/30/2023 15:23	<a href="#">WG2160630</a>
Toluene	U		0.00130	0.00500	1	10/30/2023 15:23	<a href="#">WG2160630</a>
Ethylbenzene	U		0.000737	0.00250	1	10/30/2023 15:23	<a href="#">WG2160630</a>
Xylenes, Total	U		0.000880	0.00650	1	10/30/2023 15:23	<a href="#">WG2160630</a>
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	10/30/2023 15:23	<a href="#">WG2160630</a>
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	10/30/2023 15:23	<a href="#">WG2160630</a>
(S) Toluene-d8	106			75.0-131		10/30/2023 15:23	<a href="#">WG2160630</a>
(S) 4-Bromofluorobenzene	107			67.0-138		10/30/2023 15:23	<a href="#">WG2160630</a>
(S) 1,2-Dichloroethane-d4	96.2			70.0-130		10/30/2023 15:23	<a href="#">WG2160630</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	2.47	U	1.61	4.00	1	11/01/2023 21:27	<a href="#">WG2161013</a>
C28-C36 Motor Oil Range	5.70		0.274	4.00	1	11/01/2023 21:27	<a href="#">WG2161013</a>
(S) o-Terphenyl	64.7			18.0-148		11/01/2023 21:27	<a href="#">WG2161013</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00230	0.00600	1	10/31/2023 01:03	<a href="#">WG2160710</a>
Acenaphthene	U		0.00209	0.00600	1	10/31/2023 01:03	<a href="#">WG2160710</a>
Acenaphthylene	U		0.00216	0.00600	1	10/31/2023 01:03	<a href="#">WG2160710</a>
Benzo(a)anthracene	U		0.00173	0.00600	1	10/31/2023 01:03	<a href="#">WG2160710</a>
Benzo(a)pyrene	U		0.00179	0.00600	1	10/31/2023 01:03	<a href="#">WG2160710</a>
Benzo(b)fluoranthene	U		0.00153	0.00600	1	10/31/2023 01:03	<a href="#">WG2160710</a>
Benzo(g,h,i)perylene	U		0.00177	0.00600	1	10/31/2023 01:03	<a href="#">WG2160710</a>
Benzo(k)fluoranthene	U		0.00215	0.00600	1	10/31/2023 01:03	<a href="#">WG2160710</a>
Chrysene	U		0.00232	0.00600	1	10/31/2023 01:03	<a href="#">WG2160710</a>
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	10/31/2023 01:03	<a href="#">WG2160710</a>
Fluoranthene	U		0.00227	0.00600	1	10/31/2023 01:03	<a href="#">WG2160710</a>
Fluorene	U		0.00205	0.00600	1	10/31/2023 01:03	<a href="#">WG2160710</a>
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	10/31/2023 01:03	<a href="#">WG2160710</a>
Naphthalene	0.00479	U	0.00408	0.0200	1	10/31/2023 01:03	<a href="#">WG2160710</a>
Phenanthrene	U		0.00231	0.00600	1	10/31/2023 01:03	<a href="#">WG2160710</a>
Pyrene	U		0.00200	0.00600	1	10/31/2023 01:03	<a href="#">WG2160710</a>
1-Methylnaphthalene	U		0.00449	0.0200	1	10/31/2023 01:03	<a href="#">WG2160710</a>
2-Methylnaphthalene	0.00473	U	0.00427	0.0200	1	10/31/2023 01:03	<a href="#">WG2160710</a>
2-Chloronaphthalene	U		0.00466	0.0200	1	10/31/2023 01:03	<a href="#">WG2160710</a>
(S) p-Terphenyl-d14	57.1			23.0-120		10/31/2023 01:03	<a href="#">WG2160710</a>
(S) Nitrobenzene-d5	39.6			14.0-149		10/31/2023 01:03	<a href="#">WG2160710</a>
(S) 2-Fluorobiphenyl	43.1			34.0-125		10/31/2023 01:03	<a href="#">WG2160710</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	4.82		1	11/04/2023 19:01	WG2160158

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	10/31/2023 09:51	<a href="#">WG2159132</a>

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.11	<u>T8</u>	1	10/31/2023 10:45	<a href="#">WG2160447</a>

Sample Narrative:

L1670064-06 WG2160447: 8.11 at 20.3C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	2080		10.0	1	11/01/2023 15:00	<a href="#">WG2162033</a>

Sample Narrative:

L1670064-06 WG2162033: at 25C

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

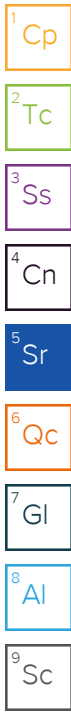
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.877		0.0167	0.200	1	11/01/2023 19:59	<a href="#">WG2160159</a>

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.89		0.100	1.00	5	10/31/2023 01:28	<a href="#">WG2159777</a>
Barium	154		0.152	2.50	5	10/31/2023 01:28	<a href="#">WG2159777</a>
Cadmium	0.372	<u>J</u>	0.0855	1.00	5	10/31/2023 01:28	<a href="#">WG2159777</a>
Copper	11.6		0.132	5.00	5	10/31/2023 01:28	<a href="#">WG2159777</a>
Lead	9.78		0.0990	2.00	5	10/31/2023 01:28	<a href="#">WG2159777</a>
Nickel	13.0		0.197	2.50	5	10/31/2023 01:28	<a href="#">WG2159777</a>
Selenium	0.703	<u>J</u>	0.180	2.50	5	10/31/2023 01:28	<a href="#">WG2159777</a>
Silver	U		0.0865	0.500	5	10/31/2023 01:28	<a href="#">WG2159777</a>
Zinc	51.7		0.740	25.0	5	10/31/2023 01:28	<a href="#">WG2159777</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0624	<u>J</u>	0.0217	0.100	1	11/01/2023 11:40	<a href="#">WG2161802</a>
(S) a,a,a-Trifluorotoluene(FID)	89.2			77.0-120		11/01/2023 11:40	<a href="#">WG2161802</a>



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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	10/30/2023 15:41	<a href="#">WG2160630</a>
Toluene	U		0.00130	0.00500	1	10/30/2023 15:41	<a href="#">WG2160630</a>
Ethylbenzene	U		0.000737	0.00250	1	10/30/2023 15:41	<a href="#">WG2160630</a>
Xylenes, Total	U		0.000880	0.00650	1	10/30/2023 15:41	<a href="#">WG2160630</a>
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	10/30/2023 15:41	<a href="#">WG2160630</a>
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	10/30/2023 15:41	<a href="#">WG2160630</a>
(S) Toluene-d8	105			75.0-131		10/30/2023 15:41	<a href="#">WG2160630</a>
(S) 4-Bromofluorobenzene	108			67.0-138		10/30/2023 15:41	<a href="#">WG2160630</a>
(S) 1,2-Dichloroethane-d4	98.3			70.0-130		10/30/2023 15:41	<a href="#">WG2160630</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4.87		1.61	4.00	1	11/01/2023 22:09	<a href="#">WG2160103</a>
C28-C36 Motor Oil Range	14.2		0.274	4.00	1	11/01/2023 22:09	<a href="#">WG2160103</a>
(S) o-Terphenyl	54.6			18.0-148		11/01/2023 22:09	<a href="#">WG2160103</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00230	0.00600	1	10/31/2023 01:21	<a href="#">WG2160710</a>
Acenaphthene	U		0.00209	0.00600	1	10/31/2023 01:21	<a href="#">WG2160710</a>
Acenaphthylene	U		0.00216	0.00600	1	10/31/2023 01:21	<a href="#">WG2160710</a>
Benzo(a)anthracene	U		0.00173	0.00600	1	10/31/2023 01:21	<a href="#">WG2160710</a>
Benzo(a)pyrene	U		0.00179	0.00600	1	10/31/2023 01:21	<a href="#">WG2160710</a>
Benzo(b)fluoranthene	U		0.00153	0.00600	1	10/31/2023 01:21	<a href="#">WG2160710</a>
Benzo(g,h,i)perylene	U		0.00177	0.00600	1	10/31/2023 01:21	<a href="#">WG2160710</a>
Benzo(k)fluoranthene	U		0.00215	0.00600	1	10/31/2023 01:21	<a href="#">WG2160710</a>
Chrysene	U		0.00232	0.00600	1	10/31/2023 01:21	<a href="#">WG2160710</a>
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	10/31/2023 01:21	<a href="#">WG2160710</a>
Fluoranthene	U		0.00227	0.00600	1	10/31/2023 01:21	<a href="#">WG2160710</a>
Fluorene	U		0.00205	0.00600	1	10/31/2023 01:21	<a href="#">WG2160710</a>
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	10/31/2023 01:21	<a href="#">WG2160710</a>
Naphthalene	U		0.00408	0.0200	1	10/31/2023 01:21	<a href="#">WG2160710</a>
Phenanthrene	U		0.00231	0.00600	1	10/31/2023 01:21	<a href="#">WG2160710</a>
Pyrene	U		0.00200	0.00600	1	10/31/2023 01:21	<a href="#">WG2160710</a>
1-Methylnaphthalene	U		0.00449	0.0200	1	10/31/2023 01:21	<a href="#">WG2160710</a>
2-Methylnaphthalene	U		0.00427	0.0200	1	10/31/2023 01:21	<a href="#">WG2160710</a>
2-Chloronaphthalene	U		0.00466	0.0200	1	10/31/2023 01:21	<a href="#">WG2160710</a>
(S) p-Terphenyl-d14	68.3			23.0-120		10/31/2023 01:21	<a href="#">WG2160710</a>
(S) Nitrobenzene-d5	42.3			14.0-149		10/31/2023 01:21	<a href="#">WG2160710</a>
(S) 2-Fluorobiphenyl	54.3			34.0-125		10/31/2023 01:21	<a href="#">WG2160710</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# SKI 31-1 WH BOT

Collected date/time: 10/20/23 09:00

# SAMPLE RESULTS - 07

L1670064

## Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.19		1	11/02/2023 05:15	WG2160161

## Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	10/31/2023 11:08	<a href="#">WG2159132</a>

## Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.26	<u>T8</u>	1	10/31/2023 10:45	<a href="#">WG2160447</a>

### Sample Narrative:

L1670064-07 WG2160447: 8.26 at 20.4C

## Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	1920		10.0	1	11/01/2023 15:00	<a href="#">WG2162033</a>

### Sample Narrative:

L1670064-07 WG2162033: at 25C

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

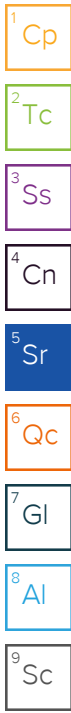
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.243		0.0167	0.200	1	11/01/2023 19:56	<a href="#">WG2160159</a>

## Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.92		0.100	1.00	5	10/31/2023 01:32	<a href="#">WG2159777</a>
Barium	118		0.152	2.50	5	10/31/2023 01:32	<a href="#">WG2159777</a>
Cadmium	0.363	<u>J</u>	0.0855	1.00	5	10/31/2023 01:32	<a href="#">WG2159777</a>
Copper	11.5		0.132	5.00	5	10/31/2023 01:32	<a href="#">WG2159777</a>
Lead	10.2		0.0990	2.00	5	10/31/2023 01:32	<a href="#">WG2159777</a>
Nickel	13.5		0.197	2.50	5	10/31/2023 01:32	<a href="#">WG2159777</a>
Selenium	0.701	<u>J</u>	0.180	2.50	5	10/31/2023 01:32	<a href="#">WG2159777</a>
Silver	U		0.0865	0.500	5	10/31/2023 01:32	<a href="#">WG2159777</a>
Zinc	51.7		0.740	25.0	5	10/31/2023 01:32	<a href="#">WG2159777</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0781	<u>J</u>	0.0217	0.100	1	11/01/2023 12:03	<a href="#">WG2161802</a>
(S) a,a,a-Trifluorotoluene(FID)	89.0			77.0-120		11/01/2023 12:03	<a href="#">WG2161802</a>



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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	10/30/2023 16:00	<a href="#">WG2160630</a>
Toluene	U		0.00130	0.00500	1	10/30/2023 16:00	<a href="#">WG2160630</a>
Ethylbenzene	U		0.000737	0.00250	1	10/30/2023 16:00	<a href="#">WG2160630</a>
Xylenes, Total	U		0.000880	0.00650	1	10/30/2023 16:00	<a href="#">WG2160630</a>
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	10/30/2023 16:00	<a href="#">WG2160630</a>
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	10/30/2023 16:00	<a href="#">WG2160630</a>
(S) Toluene-d8	106			75.0-131		10/30/2023 16:00	<a href="#">WG2160630</a>
(S) 4-Bromofluorobenzene	102			67.0-138		10/30/2023 16:00	<a href="#">WG2160630</a>
(S) 1,2-Dichloroethane-d4	95.4			70.0-130		10/30/2023 16:00	<a href="#">WG2160630</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	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4.01		1.61	4.00	1	11/01/2023 22:22	<a href="#">WG2160103</a>
C28-C36 Motor Oil Range	9.47		0.274	4.00	1	11/01/2023 22:22	<a href="#">WG2160103</a>
(S) o-Terphenyl	50.6			18.0-148		11/01/2023 22:22	<a href="#">WG2160103</a>

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00230	0.00600	1	10/31/2023 01:38	<a href="#">WG2160710</a>
Acenaphthene	U		0.00209	0.00600	1	10/31/2023 01:38	<a href="#">WG2160710</a>
Acenaphthylene	U		0.00216	0.00600	1	10/31/2023 01:38	<a href="#">WG2160710</a>
Benzo(a)anthracene	U		0.00173	0.00600	1	10/31/2023 01:38	<a href="#">WG2160710</a>
Benzo(a)pyrene	U		0.00179	0.00600	1	10/31/2023 01:38	<a href="#">WG2160710</a>
Benzo(b)fluoranthene	U		0.00153	0.00600	1	10/31/2023 01:38	<a href="#">WG2160710</a>
Benzo(g,h,i)perylene	U		0.00177	0.00600	1	10/31/2023 01:38	<a href="#">WG2160710</a>
Benzo(k)fluoranthene	U		0.00215	0.00600	1	10/31/2023 01:38	<a href="#">WG2160710</a>
Chrysene	U		0.00232	0.00600	1	10/31/2023 01:38	<a href="#">WG2160710</a>
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	10/31/2023 01:38	<a href="#">WG2160710</a>
Fluoranthene	U		0.00227	0.00600	1	10/31/2023 01:38	<a href="#">WG2160710</a>
Fluorene	U		0.00205	0.00600	1	10/31/2023 01:38	<a href="#">WG2160710</a>
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	10/31/2023 01:38	<a href="#">WG2160710</a>
Naphthalene	U		0.00408	0.0200	1	10/31/2023 01:38	<a href="#">WG2160710</a>
Phenanthrene	U		0.00231	0.00600	1	10/31/2023 01:38	<a href="#">WG2160710</a>
Pyrene	U		0.00200	0.00600	1	10/31/2023 01:38	<a href="#">WG2160710</a>
1-Methylnaphthalene	U		0.00449	0.0200	1	10/31/2023 01:38	<a href="#">WG2160710</a>
2-Methylnaphthalene	U		0.00427	0.0200	1	10/31/2023 01:38	<a href="#">WG2160710</a>
2-Chloronaphthalene	U		0.00466	0.0200	1	10/31/2023 01:38	<a href="#">WG2160710</a>
(S) p-Terphenyl-d14	39.8			23.0-120		10/31/2023 01:38	<a href="#">WG2160710</a>
(S) Nitrobenzene-d5	41.5			14.0-149		10/31/2023 01:38	<a href="#">WG2160710</a>
(S) 2-Fluorobiphenyl	33.7	<a href="#">J2</a>		34.0-125		10/31/2023 01:38	<a href="#">WG2160710</a>

Method Blank (MB)

(MB) R3993316-1 10/31/23 08:16

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

L1670064-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1670064-01 10/31/23 09:20 • (DUP) R3993316-7 10/31/23 09:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	U	U	1	0.000		20

L1670064-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1670064-07 10/31/23 11:08 • (DUP) R3993316-8 10/31/23 11:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3993316-2 10/31/23 08:23

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

L1669961-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1669961-03 10/31/23 08:28 • (MS) R3993316-3 10/31/23 08:33 • (MSD) R3993316-4 10/31/23 08:39

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	0.276	15.2	7.39	74.5	35.6	1	75.0-125	J6	J3 J6	69.0	20

L1669961-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1669961-03 10/31/23 08:28 • (MS) R3993316-5 10/31/23 08:44

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	641	0.276	726	113	50	75.0-125	

L1670064-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1670064-03 10/31/23 10:45 • (DUP) R3993227-2 10/31/23 10:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su	su		%		%
pH	7.71	7.72	1	0.130		1

Sample Narrative:

OS: 7.71 at 20.4C  
 DUP: 7.72 at 20.4C

L1670082-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1670082-03 10/31/23 10:45 • (DUP) R3993227-3 10/31/23 10:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
pH	su	su		%		%
pH	6.64	6.61	1	0.453		1

Sample Narrative:

OS: 6.64 at 20C  
 DUP: 6.61 at 20.1C

Laboratory Control Sample (LCS)

(LCS) R3993227-1 10/31/23 10:45

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: 10.01 at 20.7C

<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

Method Blank (MB)

(MB) R3994016-1 11/01/23 15:00

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

L1670012-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1670012-24 11/01/23 15:00 • (DUP) R3994016-3 11/01/23 15:00

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Specific Conductance	9450	9910	1	4.75		20

Sample Narrative:

OS: at 25C  
DUP: at 25C

L1670064-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1670064-06 11/01/23 15:00 • (DUP) R3994016-4 11/01/23 15:00

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Specific Conductance	2080	2120	1	2.00		20

Sample Narrative:

OS: at 25C  
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3994016-2 11/01/23 15:00

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	327	323	98.8	85.0-115	

Sample Narrative:

LCS: at 25C



Method Blank (MB)

(MB) R3994246-1 11/01/23 19:10

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) R3994246-2 11/01/23 19:13 • (LCSD) R3994246-3 11/01/23 19:15

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	1.07	1.07	107	107	80.0-120			0.708	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) R3992852-1 10/30/23 13:48

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
Copper	U		0.133	5.00
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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3992852-2 10/30/23 13:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	106	106	80.0-120	
Barium	100	104	104	80.0-120	
Cadmium	100	104	104	80.0-120	
Copper	100	97.3	97.3	80.0-120	
Lead	100	100	100	80.0-120	
Nickel	100	103	103	80.0-120	
Selenium	100	119	119	80.0-120	
Silver	20.0	21.3	106	80.0-120	
Zinc	100	100	100	80.0-120	

L1670452-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1670452-02 10/30/23 13:55 • (MS) R3992852-5 10/30/23 14:05 • (MSD) R3992852-6 10/30/23 14:08

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	6.80	93.8	96.2	87.0	89.4	5	75.0-125			2.55	20
Barium	100	737	563	731	0.000	0.000	5	75.0-125	V	J3 V	26.0	20
Cadmium	100	0.540	89.8	93.0	89.3	92.5	5	75.0-125			3.46	20
Copper	100	11.8	90.5	92.9	78.7	81.1	5	75.0-125			2.65	20
Lead	100	24.4	102	104	77.2	79.5	5	75.0-125			2.24	20
Nickel	100	16.4	98.8	100	82.4	83.9	5	75.0-125			1.48	20
Selenium	100	1.55	107	109	106	108	5	75.0-125	E	E	1.83	20
Silver	20.0	0.0900	18.3	18.9	90.9	93.9	5	75.0-125			3.25	20
Zinc	100	200	207	218	7.17	18.3	5	75.0-125	J6	J6	5.25	20

Method Blank (MB)

(MB) R3994360-1 11/02/23 01:07

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
Copper	U		0.133	5.00
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

Laboratory Control Sample (LCS)

(LCS) R3994360-2 11/02/23 01:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	91.0	91.0	80.0-120	
Barium	100	88.6	88.6	80.0-120	
Cadmium	100	89.6	89.6	80.0-120	
Copper	100	84.0	84.0	80.0-120	
Lead	100	85.3	85.3	80.0-120	
Nickel	100	89.0	89.0	80.0-120	
Selenium	100	94.2	94.2	80.0-120	
Silver	20.0	18.2	91.1	80.0-120	
Zinc	100	86.4	86.4	80.0-120	

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1670482-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1670482-03 11/02/23 01:14 • (MS) R3994360-5 11/02/23 01:24 • (MSD) R3994360-6 11/02/23 01:27

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	4.80	91.1	88.1	86.3	83.3	5	75.0-125			3.34	20
Barium	100	165	252	257	86.7	91.9	5	75.0-125			2.01	20
Cadmium	100	0.210	91.8	90.0	91.6	89.8	5	75.0-125			1.91	20
Copper	100	12.1	97.8	96.4	85.7	84.3	5	75.0-125			1.44	20
Lead	100	10.5	99.6	93.7	89.0	83.2	5	75.0-125			6.05	20
Nickel	100	14.2	97.3	94.2	83.1	80.0	5	75.0-125			3.21	20
Selenium	100	0.592	97.8	95.3	97.2	94.7	5	75.0-125	<u>E</u>	<u>E</u>	2.55	20
Silver	20.0	U	18.2	17.9	90.8	89.5	5	75.0-125			1.42	20
Zinc	100	43.4	125	119	81.5	76.0	5	75.0-125			4.54	20

Method Blank (MB)

(MB) R3994018-2 11/01/23 01:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
<sup>(S)</sup> a,a,a-Trifluorotoluene(FID)	92.4			77.0-120

Laboratory Control Sample (LCS)

(LCS) R3994018-1 11/01/23 01:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.86	107	72.0-127	
<sup>(S)</sup> a,a,a-Trifluorotoluene(FID)			101	77.0-120	

<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) R3993195-2 10/30/23 12:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Toluene	U		0.00130	0.00500
Ethylbenzene	U		0.000737	0.00250
Xylenes, Total	U		0.000880	0.00650
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
(S) Toluene-d8	106			75.0-131
(S) 4-Bromofluorobenzene	103			67.0-138
(S) 1,2-Dichloroethane-d4	93.3			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3993195-1 10/30/23 10:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.135	108	70.0-123	
Toluene	0.125	0.132	106	75.0-121	
Ethylbenzene	0.125	0.138	110	74.0-126	
Xylenes, Total	0.375	0.396	106	72.0-127	
1,2,4-Trimethylbenzene	0.125	0.142	114	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.141	113	73.0-127	
(S) Toluene-d8			101	75.0-131	
(S) 4-Bromofluorobenzene			101	67.0-138	
(S) 1,2-Dichloroethane-d4			98.2	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) R3994232-1 11/01/23 20:03

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	0.460	J	0.274	4.00
(S) o-Terphenyl	21.2			18.0-148

Laboratory Control Sample (LCS)

(LCS) R3994232-2 11/01/23 20:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	29.4	58.8	50.0-150	
(S) o-Terphenyl			60.8	18.0-148	

L1669987-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1669987-02 11/02/23 01:12 • (MS) R3994232-3 11/02/23 01:26 • (MSD) R3994232-4 11/02/23 01:40

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	47.7	211	236	266	52.4	115	5	50.0-150			12.0	20
(S) o-Terphenyl					30.8	30.2		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) R3993861-2 11/01/23 02:05

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	81.7			23.0-120
(S) Nitrobenzene-d5	78.5			14.0-149
(S) 2-Fluorobiphenyl	76.0			34.0-125

<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)

(LCS) R3993861-1 11/01/23 01:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0556	69.5	50.0-126	
Acenaphthene	0.0800	0.0545	68.1	50.0-120	
Acenaphthylene	0.0800	0.0562	70.3	50.0-120	
Benzo(a)anthracene	0.0800	0.0615	76.9	45.0-120	
Benzo(a)pyrene	0.0800	0.0562	70.3	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0598	74.8	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0617	77.1	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0561	70.1	49.0-125	
Chrysene	0.0800	0.0637	79.6	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0679	84.9	47.0-125	
Fluoranthene	0.0800	0.0612	76.5	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3993861-1 11/01/23 01:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0605	75.6	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0660	82.5	46.0-125	
Naphthalene	0.0800	0.0558	69.8	50.0-120	
Phenanthrene	0.0800	0.0575	71.9	47.0-120	
Pyrene	0.0800	0.0624	78.0	43.0-123	
1-Methylnaphthalene	0.0800	0.0573	71.6	51.0-121	
2-Methylnaphthalene	0.0800	0.0603	75.4	50.0-120	
2-Chloronaphthalene	0.0800	0.0621	77.6	50.0-120	
(S) p-Terphenyl-d14			77.0	23.0-120	
(S) Nitrobenzene-d5			61.2	14.0-149	
(S) 2-Fluorobiphenyl			64.4	34.0-125	

L1669712-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1669712-04 11/01/23 03:15 • (MS) R3993861-3 11/01/23 03:33 • (MSD) R3993861-4 11/01/23 03:50

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	0.0788	0.00507	0.0570	0.0427	65.9	48.2	1	10.0-145			28.7	30
Acenaphthene	0.0788	U	0.0537	0.0405	68.1	51.9	1	14.0-127		J3	28.0	27
Acenaphthylene	0.0788	U	0.0554	0.0407	70.3	52.2	1	21.0-124		J3	30.6	25
Benzo(a)anthracene	0.0788	0.0196	0.0649	0.0457	57.5	33.5	1	10.0-139		J3	34.7	30
Benzo(a)pyrene	0.0788	0.0198	0.0677	0.0500	60.8	38.7	1	10.0-141			30.1	31
Benzo(b)fluoranthene	0.0788	0.0261	0.0635	0.0437	47.5	22.6	1	10.0-140		J3	36.9	36
Benzo(g,h,i)perylene	0.0788	0.0142	0.0664	0.0507	66.2	46.8	1	10.0-140			26.8	33
Benzo(k)fluoranthene	0.0788	0.0119	0.0672	0.0490	70.2	47.6	1	10.0-137		J3	31.3	31
Chrysene	0.0788	0.0221	0.0709	0.0528	61.9	39.4	1	10.0-145			29.3	30
Dibenz(a,h)anthracene	0.0788	0.00268	0.0763	0.0553	93.4	67.5	1	10.0-132		J3	31.9	31
Fluoranthene	0.0788	0.0560	0.0636	0.0437	9.64	0.000	1	10.0-153	J6	J3 J6	37.1	33
Fluorene	0.0788	U	0.0609	0.0449	77.3	57.6	1	11.0-130		J3	30.2	29
Indeno(1,2,3-cd)pyrene	0.0788	0.0164	0.0706	0.0503	68.8	43.5	1	10.0-137		J3	33.6	32
Naphthalene	0.0788	U	0.0548	0.0435	69.5	55.8	1	10.0-135			23.0	27
Phenanthrene	0.0788	0.0281	0.0618	0.0424	42.8	18.3	1	10.0-144		J3	37.2	31
Pyrene	0.0788	0.0458	0.0661	0.0452	25.8	0.000	1	10.0-148		J3 J6	37.6	35
1-Methylnaphthalene	0.0788	U	0.0569	0.0433	72.2	55.5	1	10.0-142			27.1	28
2-Methylnaphthalene	0.0788	U	0.0605	0.0463	76.8	59.4	1	10.0-137			26.6	28
2-Chloronaphthalene	0.0788	U	0.0622	0.0477	78.9	61.1	1	29.0-120		J3	26.4	24
(S) p-Terphenyl-d14					85.5	78.1		23.0-120				
(S) Nitrobenzene-d5					80.8	72.2		14.0-149				
(S) 2-Fluorobiphenyl					76.6	70.4		34.0-125				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3993315-2 10/30/23 23:17

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	78.5			23.0-120
(S) Nitrobenzene-d5	37.8			14.0-149
(S) 2-Fluorobiphenyl	58.5			34.0-125

<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)

(LCS) R3993315-1 10/30/23 22:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0580	72.5	50.0-126	
Acenaphthene	0.0800	0.0579	72.4	50.0-120	
Acenaphthylene	0.0800	0.0585	73.1	50.0-120	
Benzo(a)anthracene	0.0800	0.0655	81.9	45.0-120	
Benzo(a)pyrene	0.0800	0.0576	72.0	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0619	77.4	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0585	73.1	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0576	72.0	49.0-125	
Chrysene	0.0800	0.0646	80.7	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0610	76.3	47.0-125	
Fluoranthene	0.0800	0.0645	80.6	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3993315-1 10/30/23 22:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Fluorene	0.0800	0.0637	79.6	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0651	81.4	46.0-125	
Naphthalene	0.0800	0.0600	75.0	50.0-120	
Phenanthrene	0.0800	0.0605	75.6	47.0-120	
Pyrene	0.0800	0.0616	77.0	43.0-123	
1-Methylnaphthalene	0.0800	0.0648	81.0	51.0-121	
2-Methylnaphthalene	0.0800	0.0655	81.9	50.0-120	
2-Chloronaphthalene	0.0800	0.0604	75.5	50.0-120	
<i>(S) p-Terphenyl-d14</i>			82.6	23.0-120	
<i>(S) Nitrobenzene-d5</i>			59.1	14.0-149	
<i>(S) 2-Fluorobiphenyl</i>			75.3	34.0-125	

L1670073-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1670073-10 10/31/23 04:35 • (MS) R3993315-3 10/31/23 04:53 • (MSD) R3993315-4 10/31/23 05:11

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Anthracene	0.0784	U	0.0505	0.0481	64.4	61.4	1	10.0-145			4.87	30
Acenaphthene	0.0784	U	0.0508	0.0481	64.8	61.4	1	14.0-127			5.46	27
Acenaphthylene	0.0784	U	0.0501	0.0476	63.9	60.7	1	21.0-124			5.12	25
Benzo(a)anthracene	0.0784	U	0.0575	0.0537	73.3	68.5	1	10.0-139			6.83	30
Benzo(a)pyrene	0.0784	U	0.0564	0.0539	71.9	68.8	1	10.0-141			4.53	31
Benzo(b)fluoranthene	0.0784	U	0.0580	0.0520	74.0	66.3	1	10.0-140			10.9	36
Benzo(g,h,i)perylene	0.0784	U	0.0526	0.0500	67.1	63.8	1	10.0-140			5.07	33
Benzo(k)fluoranthene	0.0784	U	0.0523	0.0493	66.7	62.9	1	10.0-137			5.91	31
Chrysene	0.0784	U	0.0595	0.0556	75.9	70.9	1	10.0-145			6.78	30
Dibenz(a,h)anthracene	0.0784	U	0.0546	0.0513	69.6	65.4	1	10.0-132			6.23	31
Fluoranthene	0.0784	U	0.0576	0.0547	73.5	69.8	1	10.0-153			5.16	33
Fluorene	0.0784	U	0.0574	0.0543	73.2	69.3	1	11.0-130			5.55	29
Indeno(1,2,3-cd)pyrene	0.0784	U	0.0581	0.0537	74.1	68.5	1	10.0-137			7.87	32
Naphthalene	0.0784	U	0.0520	0.0486	66.3	62.0	1	10.0-135			6.76	27
Phenanthrene	0.0784	U	0.0540	0.0511	68.9	65.2	1	10.0-144			5.52	31
Pyrene	0.0784	U	0.0548	0.0521	69.9	66.5	1	10.0-148			5.05	35
1-Methylnaphthalene	0.0784	U	0.0575	0.0534	73.3	68.1	1	10.0-142			7.39	28
2-Methylnaphthalene	0.0784	U	0.0566	0.0533	72.2	68.0	1	10.0-137			6.01	28
2-Chloronaphthalene	0.0784	U	0.0523	0.0491	66.7	62.6	1	29.0-120			6.31	24
<i>(S) p-Terphenyl-d14</i>					75.2	72.5		23.0-120				
<i>(S) Nitrobenzene-d5</i>					35.4	40.6		14.0-149				
<i>(S) 2-Fluorobiphenyl</i>					51.2	50.4		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

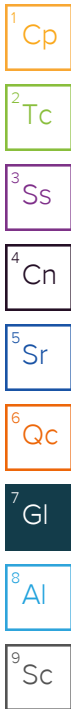
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
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
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.



# ACCREDITATIONS & LOCATIONS

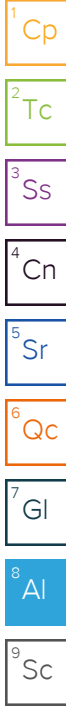
## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico <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.

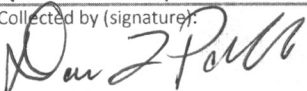
\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



<b>UTAH GAS CORP</b> <b>*UTAHGASRCO</b>		Billing Information: <b>Ronnie Plummer</b> <b>1125 Escalante Dr</b> <b>Rangely, CO 81648</b>		Pres Chk	Analysis / Container / Preservative								Chain of Custody Page ___ of ___	
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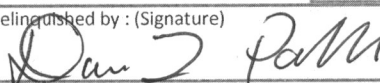
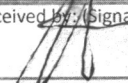
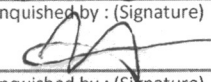
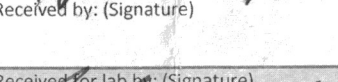
Report to: <b>Ronnie Plummer / Rob Bleil</b>			Email To: <b>rplummer@uthgascorp.com</b>										
Project Description: <b>Ski 31-1</b>			City/State Collected:			Please Circle: PT MT CT ET							

Phone: <b>970-629-3520</b>		Client Project # <b>Ski 31-1</b>		Lab Project #		Table915 GRO/DRO/ORO 4ozClr-NoPres		Table915 Metals 4ozClr-NoPres		Table915 PAHs 4ozClr-NoPres		Table915 VOCs 4ozClr-NoPres		Table915 pH SPCONSAR 4ozClr-NoPres		12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Collected by (print): <b>Dana Pollack</b>		Site/Facility ID # <b>Ski 31-1</b>		P.O. #		10/23 <b>1166 21670064</b> <b>H189</b>										Acctnum:	

Collected by (signature): 		<b>Rush?</b> (Lab MUST Be Notified)		Quote #		Date Results Needed		No. of Cntrs								Template:	
Immediately Packed on Ice N ___ Y <input checked="" type="checkbox"/>		<input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day														Prelogin:	

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time												
Ski 31-1 Hist Pit Small 4	grab	SS	13'	10/20	8:00	4	X	X	X	X	X						- 01
Ski 31-1 Hist Pit Wwall 4			13'		8:10	4	X	X	X	X	X						- 02
Ski 31-1 WHN			5'		8:20	4	X	X	X	X	X						- 03
Ski 31-1 WHS			5'		8:30	4	X	X	X	X	X						- 04
Ski 31-1 WHE			5'		8:40	4	X	X	X	X	X						- 05
Ski 31-1 WHW			5'		8:50	4	X	X	X	X	X						- 06
Ski 31-1 WH BOT			7'		9:00	4	X	X	X	X	X						- 07

* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____		Remarks:		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: <input type="checkbox"/> NP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Bottles arrive intact: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Correct bottles used: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Sufficient volume sent: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N If Applicable VOA Zero Headspace: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Preservation Correct/Checked: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N RAD Screen <0.5 mR/hr: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier _____		Tracking #		6525 5572 3195		Trip Blank Received: Yes / No <input type="checkbox"/> HCL / MeOH <input type="checkbox"/> TBR	

Relinquished by: (Signature) 		Date: <b>10/23/23</b>		Time: <b>2:00pm</b>		Received by: (Signature) 		Date: <b>10/24</b>		Time: <b>1030</b>		Temp: °C <b>CCAB 24.2</b>		Bottles Received:		If preservation required by Login: Date/Time	
Relinquished by: (Signature) 		Date: <b>10/24/23</b>		Time: <b>1106</b>		Received by: (Signature) 		Date: <b>10/25/23</b>		Time: <b>9:26</b>		Hold:		Condition: NCF / <input checked="" type="checkbox"/> OK			