

Caerus Oil and Gas

Sample Delivery Group: L1771822
Samples Received: 08/27/2024
Project Number:
Description: Corral Creek 4508 Facility Decommissioning
Site: CORRAL CREEK 4508
Report To: Jake J. / Brett M. / Blair R. / Andy V.
143 Diamond Avenue
Parachute, CO 81635

Entire Report Reviewed By:



Chris Ward
Project Manager

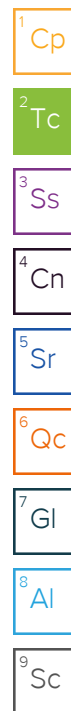
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Pace Analytical National

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SAMPLE SUMMARY

20240826-M29 199-(RISER01) @ 3 L1771822-01 Solid

Collected by Trevor Lakin Collected date/time 08/26/24 10:39 Received date/time 08/27/24 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2355759	1	09/04/24 20:02	09/04/24 20:02	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2353854	1	09/05/24 08:55	09/06/24 14:54	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2356256	1	09/04/24 18:57	09/04/24 21:20	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2356259	1	09/04/24 19:00	09/04/24 21:30	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2354285	1	09/05/24 07:08	09/05/24 17:31	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2355781	1	09/06/24 13:09	09/06/24 20:33	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2361816	5	09/14/24 08:36	09/14/24 13:33	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354658	1	09/01/24 10:13	09/02/24 00:45	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354695	1	09/01/24 10:13	09/02/24 07:24	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356439	1	09/08/24 08:19	09/09/24 14:02	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2354999	1	09/03/24 16:08	09/04/24 10:49	HLA	Mt. Juliet, TN

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

20240826-M29 199-(FC-SEP) @ 1 L1771822-02 Solid

Collected by Trevor Lakin Collected date/time 08/26/24 10:52 Received date/time 08/27/24 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2355774	1	09/06/24 18:24	09/06/24 18:24	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2353854	1	09/05/24 08:55	09/06/24 15:00	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2357697	1	09/06/24 16:15	09/06/24 18:35	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2357699	1	09/06/24 16:14	09/06/24 18:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2354285	1	09/05/24 07:08	09/05/24 17:33	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2355780	1	09/05/24 07:04	09/05/24 12:49	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2361816	5	09/14/24 08:36	09/14/24 13:37	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2355234	25	09/01/24 10:13	09/03/24 17:34	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2356650	1	09/01/24 10:13	09/05/24 13:02	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356439	5	09/08/24 08:19	09/09/24 15:07	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2354999	1	09/03/24 16:08	09/04/24 11:09	HLA	Mt. Juliet, TN

20240826-M29 199-(FC-FL-SEP) @ 4 L1771822-03 Solid

Collected by Trevor Lakin Collected date/time 08/26/24 11:05 Received date/time 08/27/24 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2355774	1	09/06/24 18:26	09/06/24 18:26	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2353854	1	09/05/24 08:55	09/06/24 15:06	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2357697	1	09/06/24 16:15	09/06/24 18:35	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2357699	1	09/06/24 16:14	09/06/24 18:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2354285	1	09/05/24 07:08	09/05/24 17:35	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2355780	1	09/05/24 07:04	09/05/24 12:51	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2361816	5	09/14/24 08:36	09/14/24 13:40	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354658	1	09/01/24 10:13	09/02/24 01:08	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354695	1	09/01/24 10:13	09/02/24 07:42	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356439	1	09/08/24 08:19	09/09/24 14:15	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2354999	1	09/03/24 16:08	09/04/24 11:28	HLA	Mt. Juliet, TN

20240826-M29 199-(FC-MH-FLE) @ 4 L1771822-04 Solid

Collected by Trevor Lakin Collected date/time 08/26/24 11:21 Received date/time 08/27/24 08:30

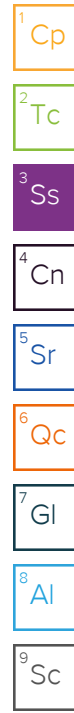
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2355759	1	09/04/24 20:03	09/04/24 20:03	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2353854	1	09/05/24 08:55	09/06/24 15:12	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2356256	1	09/04/24 18:57	09/04/24 21:20	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2356259	1	09/04/24 19:00	09/04/24 21:30	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2354285	1	09/05/24 07:08	09/05/24 17:00	MAP	Mt. Juliet, TN

SAMPLE SUMMARY

20240826-M29 199-(FC-MH-FLE) @ 4 L1771822-04 Solid

Collected by Trevor Lakin Collected date/time 08/26/24 11:21 Received date/time 08/27/24 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2355781	1	09/06/24 13:09	09/06/24 20:34	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2361816	5	09/14/24 08:36	09/14/24 13:43	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354658	1	09/01/24 10:13	09/02/24 01:31	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354695	1	09/01/24 10:13	09/02/24 08:01	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356439	1	09/08/24 08:19	09/10/24 22:28	NH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2354999	1	09/03/24 16:08	09/04/24 16:22	HLA	Mt. Juliet, TN



20240826-M29 199-(FC-MW-FLW) @ 4 L1771822-05 Solid

Collected by Trevor Lakin Collected date/time 08/26/24 11:35 Received date/time 08/27/24 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2355774	1	09/06/24 18:27	09/06/24 18:27	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2353854	1	09/05/24 08:55	09/06/24 15:19	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2357697	1	09/06/24 16:15	09/06/24 18:35	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2357699	1	09/06/24 16:14	09/06/24 18:35	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2354285	1	09/05/24 07:08	09/05/24 17:02	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2355780	1	09/05/24 07:04	09/05/24 12:53	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354658	1	09/01/24 10:13	09/02/24 01:54	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354695	1	09/01/24 10:13	09/02/24 08:20	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356439	1	09/08/24 08:19	09/09/24 14:41	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2354999	1	09/03/24 16:08	09/04/24 11:48	HLA	Mt. Juliet, TN

20240826-M29 199-(FC-MH) @ 1 L1771822-06 Solid

Collected by Trevor Lakin Collected date/time 08/26/24 11:44 Received date/time 08/27/24 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2355759	1	09/04/24 20:05	09/04/24 20:05	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2353854	1	09/05/24 08:55	09/06/24 15:25	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2356256	1	09/04/24 18:57	09/04/24 21:20	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2356259	1	09/04/24 19:00	09/04/24 21:30	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2354285	1	09/05/24 07:08	09/05/24 17:03	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2355781	1	09/06/24 13:09	09/06/24 20:36	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2361816	5	09/14/24 08:36	09/14/24 13:47	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354658	1	09/01/24 10:13	09/02/24 02:17	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354695	1	09/01/24 10:13	09/02/24 08:38	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356439	1	09/08/24 08:19	09/09/24 14:28	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2354999	1	09/03/24 16:08	09/04/24 12:08	HLA	Mt. Juliet, TN

20240826-M29 199-(FC-T03) @ 6 L1771822-07 Solid

Collected by Trevor Lakin Collected date/time 08/26/24 11:57 Received date/time 08/27/24 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2355759	1	09/04/24 20:07	09/04/24 20:07	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2353854	1	09/05/24 08:55	09/06/24 15:31	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2356256	1	09/04/24 18:57	09/04/24 21:20	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2356259	1	09/04/24 19:00	09/04/24 21:30	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2354285	1	09/05/24 07:08	09/05/24 17:09	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2355781	1	09/06/24 13:09	09/06/24 20:38	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2361816	5	09/14/24 08:36	09/14/24 13:50	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2354658	1	09/01/24 10:13	09/02/24 03:48	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354695	1	09/01/24 10:13	09/02/24 08:57	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2356439	200	09/08/24 08:19	09/09/24 15:59	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2354999	1	09/03/24 16:08	09/04/24 17:40	HLA	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.



Chris Ward
Project Manager

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	1.52		1	09/04/2024 20:02	WG2355759

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.392	J	0.255	1.00	1	09/06/2024 14:54	WG2353854

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.16	T8	1	09/04/2024 21:20	WG2356256

Sample Narrative:

L1771822-01 WG2356256: 8.16 at 21.6C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	294		10.0	1	09/04/2024 21:30	WG2356259

Sample Narrative:

L1771822-01 WG2356259: at 25C

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.94		0.518	2.00	1	09/05/2024 17:31	WG2354285
Barium	245		0.0852	0.500	1	09/05/2024 17:31	WG2354285
Cadmium	0.248	B J	0.0471	0.500	1	09/05/2024 17:31	WG2354285
Copper	10.4		0.400	2.00	1	09/05/2024 17:31	WG2354285
Lead	16.3		0.208	0.500	1	09/05/2024 17:31	WG2354285
Nickel	16.9		0.132	2.00	1	09/05/2024 17:31	WG2354285
Selenium	U		0.764	2.00	1	09/05/2024 17:31	WG2354285
Silver	U		0.127	1.00	1	09/05/2024 17:31	WG2354285
Zinc	43.5		0.832	5.00	1	09/05/2024 17:31	WG2354285

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	0.499		0.0167	0.200	1	09/06/2024 20:33	WG2355781

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Selenium	0.562	J	0.180	2.50	5	09/14/2024 13:33	WG2361816

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	0.0274	J	0.0217	0.100	1	09/02/2024 00:45	WG2354658
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120		09/02/2024 00:45	WG2354658

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	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	09/02/2024 07:24	WG2354695
Toluene	U		0.00130	0.00500	1	09/02/2024 07:24	WG2354695
Ethylbenzene	U		0.000737	0.00250	1	09/02/2024 07:24	WG2354695
Xylenes, Total	U		0.000880	0.00650	1	09/02/2024 07:24	WG2354695
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	09/02/2024 07:24	WG2354695
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	09/02/2024 07:24	WG2354695
(S) Toluene-d8	107			75.0-131		09/02/2024 07:24	WG2354695
(S) 4-Bromofluorobenzene	98.4			67.0-138		09/02/2024 07:24	WG2354695
(S) 1,2-Dichloroethane-d4	96.3			70.0-130		09/02/2024 07:24	WG2354695

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	17.3		1.61	4.00	1	09/09/2024 14:02	WG2356439
C28-C36 Motor Oil Range	23.1		0.274	4.00	1	09/09/2024 14:02	WG2356439
(S) o-Terphenyl	53.0			18.0-148		09/09/2024 14:02	WG2356439

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
Acenaphthene	U		0.00209	0.00600	1	09/04/2024 10:49	WG2354999
Anthracene	U		0.00230	0.00600	1	09/04/2024 10:49	WG2354999
Benzo(a)anthracene	U		0.00173	0.00600	1	09/04/2024 10:49	WG2354999
Benzo(b)fluoranthene	U		0.00153	0.00600	1	09/04/2024 10:49	WG2354999
Benzo(k)fluoranthene	U		0.00215	0.00600	1	09/04/2024 10:49	WG2354999
Benzo(a)pyrene	U		0.00179	0.00600	1	09/04/2024 10:49	WG2354999
Chrysene	U		0.00232	0.00600	1	09/04/2024 10:49	WG2354999
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	09/04/2024 10:49	WG2354999
Fluoranthene	U		0.00227	0.00600	1	09/04/2024 10:49	WG2354999
Fluorene	0.00508	U	0.00205	0.00600	1	09/04/2024 10:49	WG2354999
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	09/04/2024 10:49	WG2354999
1-Methylnaphthalene	U		0.00449	0.0200	1	09/04/2024 10:49	WG2354999
2-Methylnaphthalene	U		0.00427	0.0200	1	09/04/2024 10:49	WG2354999
Naphthalene	U		0.00408	0.0200	1	09/04/2024 10:49	WG2354999
Pyrene	U		0.00200	0.00600	1	09/04/2024 10:49	WG2354999
(S) p-Terphenyl-d14	83.2			23.0-120		09/04/2024 10:49	WG2354999
(S) Nitrobenzene-d5	100			14.0-149		09/04/2024 10:49	WG2354999
(S) 2-Fluorobiphenyl	84.5			34.0-125		09/04/2024 10:49	WG2354999

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	0.704		1	09/06/2024 18:24	WG2355774

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	09/06/2024 15:00	WG2353854

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.80	<u>T8</u>	1	09/06/2024 18:35	WG2357697

Sample Narrative:

L1771822-02 WG2357697: 7.8 at 21.9C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	360		10.0	1	09/06/2024 18:35	WG2357699

Sample Narrative:

L1771822-02 WG2357699: at 25C

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.11		0.518	2.00	1	09/05/2024 17:33	WG2354285
Barium	127		0.0852	0.500	1	09/05/2024 17:33	WG2354285
Cadmium	0.491	<u>B J</u>	0.0471	0.500	1	09/05/2024 17:33	WG2354285
Copper	9.94		0.400	2.00	1	09/05/2024 17:33	WG2354285
Lead	6.39		0.208	0.500	1	09/05/2024 17:33	WG2354285
Nickel	20.3		0.132	2.00	1	09/05/2024 17:33	WG2354285
Selenium	U		0.764	2.00	1	09/05/2024 17:33	WG2354285
Silver	U		0.127	1.00	1	09/05/2024 17:33	WG2354285
Zinc	27.6		0.832	5.00	1	09/05/2024 17:33	WG2354285

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

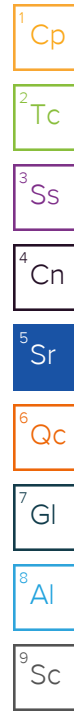
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.445		0.0167	0.200	1	09/05/2024 12:49	WG2355780

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Selenium	0.475	<u>J</u>	0.180	2.50	5	09/14/2024 13:37	WG2361816

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	2.64		0.543	2.50	25	09/03/2024 17:34	WG2355234
(S) a,a,a-Trifluorotoluene(FID)	95.8			77.0-120		09/03/2024 17:34	WG2355234



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	09/05/2024 13:02	WG2356650
Toluene	0.00278	U	0.00130	0.00500	1	09/05/2024 13:02	WG2356650
Ethylbenzene	U		0.000737	0.00250	1	09/05/2024 13:02	WG2356650
Xylenes, Total	0.00520	U	0.000880	0.00650	1	09/05/2024 13:02	WG2356650
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	09/05/2024 13:02	WG2356650
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	09/05/2024 13:02	WG2356650
(S) Toluene-d8	108			75.0-131		09/05/2024 13:02	WG2356650
(S) 4-Bromofluorobenzene	103			67.0-138		09/05/2024 13:02	WG2356650
(S) 1,2-Dichloroethane-d4	102			70.0-130		09/05/2024 13:02	WG2356650

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	586		8.05	20.0	5	09/09/2024 15:07	WG2356439
C28-C36 Motor Oil Range	590		1.37	20.0	5	09/09/2024 15:07	WG2356439
(S) o-Terphenyl	79.5			18.0-148		09/09/2024 15:07	WG2356439

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
Acenaphthene	U		0.00209	0.00600	1	09/04/2024 11:09	WG2354999
Anthracene	U		0.00230	0.00600	1	09/04/2024 11:09	WG2354999
Benzo(a)anthracene	U		0.00173	0.00600	1	09/04/2024 11:09	WG2354999
Benzo(b)fluoranthene	0.00204	U	0.00153	0.00600	1	09/04/2024 11:09	WG2354999
Benzo(k)fluoranthene	U		0.00215	0.00600	1	09/04/2024 11:09	WG2354999
Benzo(a)pyrene	U		0.00179	0.00600	1	09/04/2024 11:09	WG2354999
Chrysene	0.00375	U	0.00232	0.00600	1	09/04/2024 11:09	WG2354999
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	09/04/2024 11:09	WG2354999
Fluoranthene	0.00334	U	0.00227	0.00600	1	09/04/2024 11:09	WG2354999
Fluorene	U		0.00205	0.00600	1	09/04/2024 11:09	WG2354999
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	09/04/2024 11:09	WG2354999
1-Methylnaphthalene	U		0.00449	0.0200	1	09/04/2024 11:09	WG2354999
2-Methylnaphthalene	U		0.00427	0.0200	1	09/04/2024 11:09	WG2354999
Naphthalene	U		0.00408	0.0200	1	09/04/2024 11:09	WG2354999
Pyrene	0.00350	U	0.00200	0.00600	1	09/04/2024 11:09	WG2354999
(S) p-Terphenyl-d14	84.2			23.0-120		09/04/2024 11:09	WG2354999
(S) Nitrobenzene-d5	108			14.0-149		09/04/2024 11:09	WG2354999
(S) 2-Fluorobiphenyl	89.3			34.0-125		09/04/2024 11:09	WG2354999

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	4.14		1	09/06/2024 18:26	WG2355774

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.381	J	0.255	1.00	1	09/06/2024 15:06	WG2353854

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.32	T8	1	09/06/2024 18:35	WG2357697

Sample Narrative:

L1771822-03 WG2357697: 8.32 at 22C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	504		10.0	1	09/06/2024 18:35	WG2357699

Sample Narrative:

L1771822-03 WG2357699: at 25C

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.20		0.518	2.00	1	09/05/2024 17:35	WG2354285
Barium	234		0.0852	0.500	1	09/05/2024 17:35	WG2354285
Cadmium	0.230	B J	0.0471	0.500	1	09/05/2024 17:35	WG2354285
Copper	11.4		0.400	2.00	1	09/05/2024 17:35	WG2354285
Lead	18.8		0.208	0.500	1	09/05/2024 17:35	WG2354285
Nickel	18.4		0.132	2.00	1	09/05/2024 17:35	WG2354285
Selenium	U		0.764	2.00	1	09/05/2024 17:35	WG2354285
Silver	U		0.127	1.00	1	09/05/2024 17:35	WG2354285
Zinc	48.4		0.832	5.00	1	09/05/2024 17:35	WG2354285

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	0.298		0.0167	0.200	1	09/05/2024 12:51	WG2355780

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Selenium	0.574	J	0.180	2.50	5	09/14/2024 13:40	WG2361816

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	0.0247	J	0.0217	0.100	1	09/02/2024 01:08	WG2354658
(S) a,a,a-Trifluorotoluene(FID)	101			77.0-120		09/02/2024 01:08	WG2354658

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	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	09/02/2024 07:42	WG2354695
Toluene	U		0.00130	0.00500	1	09/02/2024 07:42	WG2354695
Ethylbenzene	U		0.000737	0.00250	1	09/02/2024 07:42	WG2354695
Xylenes, Total	U		0.000880	0.00650	1	09/02/2024 07:42	WG2354695
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	09/02/2024 07:42	WG2354695
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	09/02/2024 07:42	WG2354695
(S) Toluene-d8	107			75.0-131		09/02/2024 07:42	WG2354695
(S) 4-Bromofluorobenzene	96.7			67.0-138		09/02/2024 07:42	WG2354695
(S) 1,2-Dichloroethane-d4	89.0			70.0-130		09/02/2024 07:42	WG2354695

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	3.60	U	1.61	4.00	1	09/09/2024 14:15	WG2356439
C28-C36 Motor Oil Range	9.50		0.274	4.00	1	09/09/2024 14:15	WG2356439
(S) o-Terphenyl	55.5			18.0-148		09/09/2024 14:15	WG2356439

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
Acenaphthene	U		0.00209	0.00600	1	09/04/2024 11:28	WG2354999
Anthracene	U		0.00230	0.00600	1	09/04/2024 11:28	WG2354999
Benzo(a)anthracene	U		0.00173	0.00600	1	09/04/2024 11:28	WG2354999
Benzo(b)fluoranthene	U		0.00153	0.00600	1	09/04/2024 11:28	WG2354999
Benzo(k)fluoranthene	U		0.00215	0.00600	1	09/04/2024 11:28	WG2354999
Benzo(a)pyrene	U		0.00179	0.00600	1	09/04/2024 11:28	WG2354999
Chrysene	U		0.00232	0.00600	1	09/04/2024 11:28	WG2354999
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	09/04/2024 11:28	WG2354999
Fluoranthene	U		0.00227	0.00600	1	09/04/2024 11:28	WG2354999
Fluorene	U		0.00205	0.00600	1	09/04/2024 11:28	WG2354999
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	09/04/2024 11:28	WG2354999
1-Methylnaphthalene	U		0.00449	0.0200	1	09/04/2024 11:28	WG2354999
2-Methylnaphthalene	U		0.00427	0.0200	1	09/04/2024 11:28	WG2354999
Naphthalene	U		0.00408	0.0200	1	09/04/2024 11:28	WG2354999
Pyrene	U		0.00200	0.00600	1	09/04/2024 11:28	WG2354999
(S) p-Terphenyl-d14	90.7			23.0-120		09/04/2024 11:28	WG2354999
(S) Nitrobenzene-d5	107			14.0-149		09/04/2024 11:28	WG2354999
(S) 2-Fluorobiphenyl	92.6			34.0-125		09/04/2024 11:28	WG2354999

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	1.64		1	09/04/2024 20:03	WG2355759

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.323	J	0.255	1.00	1	09/06/2024 15:12	WG2353854

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.47	T8	1	09/04/2024 21:20	WG2356256

Sample Narrative:

L1771822-04 WG2356256: 8.47 at 21.6C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	240		10.0	1	09/04/2024 21:30	WG2356259

Sample Narrative:

L1771822-04 WG2356259: at 25C

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.26		0.518	2.00	1	09/05/2024 17:00	WG2354285
Barium	213		0.0852	0.500	1	09/05/2024 17:00	WG2354285
Cadmium	0.161	B J	0.0471	0.500	1	09/05/2024 17:00	WG2354285
Copper	10.5		0.400	2.00	1	09/05/2024 17:00	WG2354285
Lead	20.2		0.208	0.500	1	09/05/2024 17:00	WG2354285
Nickel	17.3		0.132	2.00	1	09/05/2024 17:00	WG2354285
Selenium	U		0.764	2.00	1	09/05/2024 17:00	WG2354285
Silver	U		0.127	1.00	1	09/05/2024 17:00	WG2354285
Zinc	48.5		0.832	5.00	1	09/05/2024 17:00	WG2354285

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	0.172	J	0.0167	0.200	1	09/06/2024 20:34	WG2355781

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Selenium	0.396	J	0.180	2.50	5	09/14/2024 13:43	WG2361816

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	0.0258	J	0.0217	0.100	1	09/02/2024 01:31	WG2354658
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120		09/02/2024 01:31	WG2354658

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	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	09/02/2024 08:01	WG2354695
Toluene	U		0.00130	0.00500	1	09/02/2024 08:01	WG2354695
Ethylbenzene	U		0.000737	0.00250	1	09/02/2024 08:01	WG2354695
Xylenes, Total	U		0.000880	0.00650	1	09/02/2024 08:01	WG2354695
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	09/02/2024 08:01	WG2354695
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	09/02/2024 08:01	WG2354695
(S) Toluene-d8	111			75.0-131		09/02/2024 08:01	WG2354695
(S) 4-Bromofluorobenzene	96.3			67.0-138		09/02/2024 08:01	WG2354695
(S) 1,2-Dichloroethane-d4	84.8			70.0-130		09/02/2024 08:01	WG2354695

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	4.50		1.61	4.00	1	09/10/2024 22:28	WG2356439
C28-C36 Motor Oil Range	7.76		0.274	4.00	1	09/10/2024 22:28	WG2356439
(S) o-Terphenyl	73.1			18.0-148		09/10/2024 22:28	WG2356439

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
Acenaphthene	U		0.00209	0.00600	1	09/04/2024 16:22	WG2354999
Anthracene	U		0.00230	0.00600	1	09/04/2024 16:22	WG2354999
Benzo(a)anthracene	U		0.00173	0.00600	1	09/04/2024 16:22	WG2354999
Benzo(b)fluoranthene	U		0.00153	0.00600	1	09/04/2024 16:22	WG2354999
Benzo(k)fluoranthene	U		0.00215	0.00600	1	09/04/2024 16:22	WG2354999
Benzo(a)pyrene	U		0.00179	0.00600	1	09/04/2024 16:22	WG2354999
Chrysene	U		0.00232	0.00600	1	09/04/2024 16:22	WG2354999
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	09/04/2024 16:22	WG2354999
Fluoranthene	U		0.00227	0.00600	1	09/04/2024 16:22	WG2354999
Fluorene	U		0.00205	0.00600	1	09/04/2024 16:22	WG2354999
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	09/04/2024 16:22	WG2354999
1-Methylnaphthalene	U		0.00449	0.0200	1	09/04/2024 16:22	WG2354999
2-Methylnaphthalene	U		0.00427	0.0200	1	09/04/2024 16:22	WG2354999
Naphthalene	U		0.00408	0.0200	1	09/04/2024 16:22	WG2354999
Pyrene	U		0.00200	0.00600	1	09/04/2024 16:22	WG2354999
(S) p-Terphenyl-d14	89.7			23.0-120		09/04/2024 16:22	WG2354999
(S) Nitrobenzene-d5	108			14.0-149		09/04/2024 16:22	WG2354999
(S) 2-Fluorobiphenyl	90.8			34.0-125		09/04/2024 16:22	WG2354999

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	1.47		1	09/06/2024 18:27	WG2355774

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.413	J	0.255	1.00	1	09/06/2024 15:19	WG2353854

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.19	T8	1	09/06/2024 18:35	WG2357697

Sample Narrative:

L1771822-05 WG2357697: 8.19 at 21.9C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	278		10.0	1	09/06/2024 18:35	WG2357699

Sample Narrative:

L1771822-05 WG2357699: at 25C

Metals (ICP) by Method 6010B

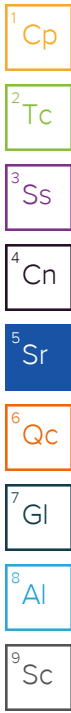
Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.35		0.518	2.00	1	09/05/2024 17:02	WG2354285
Barium	198		0.0852	0.500	1	09/05/2024 17:02	WG2354285
Cadmium	0.175	B J	0.0471	0.500	1	09/05/2024 17:02	WG2354285
Copper	8.77		0.400	2.00	1	09/05/2024 17:02	WG2354285
Lead	14.7		0.208	0.500	1	09/05/2024 17:02	WG2354285
Nickel	12.5		0.132	2.00	1	09/05/2024 17:02	WG2354285
Selenium	0.790	J	0.764	2.00	1	09/05/2024 17:02	WG2354285
Silver	U		0.127	1.00	1	09/05/2024 17:02	WG2354285
Zinc	39.1		0.832	5.00	1	09/05/2024 17:02	WG2354285

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	0.362		0.0167	0.200	1	09/05/2024 12:53	WG2355780

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	0.0231	J	0.0217	0.100	1	09/02/2024 01:54	WG2354658
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120		09/02/2024 01:54	WG2354658



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	09/02/2024 08:20	WG2354695
Toluene	U		0.00130	0.00500	1	09/02/2024 08:20	WG2354695
Ethylbenzene	U		0.000737	0.00250	1	09/02/2024 08:20	WG2354695
Xylenes, Total	U		0.000880	0.00650	1	09/02/2024 08:20	WG2354695
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	09/02/2024 08:20	WG2354695
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	09/02/2024 08:20	WG2354695
(S) Toluene-d8	112			75.0-131		09/02/2024 08:20	WG2354695
(S) 4-Bromofluorobenzene	96.9			67.0-138		09/02/2024 08:20	WG2354695
(S) 1,2-Dichloroethane-d4	85.9			70.0-130		09/02/2024 08:20	WG2354695

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	21.3		1.61	4.00	1	09/09/2024 14:41	WG2356439
C28-C36 Motor Oil Range	45.4		0.274	4.00	1	09/09/2024 14:41	WG2356439
(S) o-Terphenyl	53.7			18.0-148		09/09/2024 14:41	WG2356439

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
Acenaphthene	U		0.00209	0.00600	1	09/04/2024 11:48	WG2354999
Anthracene	U		0.00230	0.00600	1	09/04/2024 11:48	WG2354999
Benzo(a)anthracene	U		0.00173	0.00600	1	09/04/2024 11:48	WG2354999
Benzo(b)fluoranthene	U		0.00153	0.00600	1	09/04/2024 11:48	WG2354999
Benzo(k)fluoranthene	U		0.00215	0.00600	1	09/04/2024 11:48	WG2354999
Benzo(a)pyrene	U		0.00179	0.00600	1	09/04/2024 11:48	WG2354999
Chrysene	U		0.00232	0.00600	1	09/04/2024 11:48	WG2354999
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	09/04/2024 11:48	WG2354999
Fluoranthene	U		0.00227	0.00600	1	09/04/2024 11:48	WG2354999
Fluorene	U		0.00205	0.00600	1	09/04/2024 11:48	WG2354999
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	09/04/2024 11:48	WG2354999
1-Methylnaphthalene	U		0.00449	0.0200	1	09/04/2024 11:48	WG2354999
2-Methylnaphthalene	U		0.00427	0.0200	1	09/04/2024 11:48	WG2354999
Naphthalene	U		0.00408	0.0200	1	09/04/2024 11:48	WG2354999
Pyrene	U		0.00200	0.00600	1	09/04/2024 11:48	WG2354999
(S) p-Terphenyl-d14	84.8			23.0-120		09/04/2024 11:48	WG2354999
(S) Nitrobenzene-d5	99.5			14.0-149		09/04/2024 11:48	WG2354999
(S) 2-Fluorobiphenyl	83.7			34.0-125		09/04/2024 11:48	WG2354999

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	9.31		1	09/04/2024 20:05	WG2355759

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	1.00		0.255	1.00	1	09/06/2024 15:25	WG2353854

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	9.05	T8	1	09/04/2024 21:20	WG2356256

Sample Narrative:

L1771822-06 WG2356256: 9.05 at 21.6C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	668		10.0	1	09/04/2024 21:30	WG2356259

Sample Narrative:

L1771822-06 WG2356259: at 25C

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.88		0.518	2.00	1	09/05/2024 17:03	WG2354285
Barium	209		0.0852	0.500	1	09/05/2024 17:03	WG2354285
Cadmium	0.184	B J	0.0471	0.500	1	09/05/2024 17:03	WG2354285
Copper	10.6		0.400	2.00	1	09/05/2024 17:03	WG2354285
Lead	20.8		0.208	0.500	1	09/05/2024 17:03	WG2354285
Nickel	16.8		0.132	2.00	1	09/05/2024 17:03	WG2354285
Selenium	U		0.764	2.00	1	09/05/2024 17:03	WG2354285
Silver	U		0.127	1.00	1	09/05/2024 17:03	WG2354285
Zinc	51.7		0.832	5.00	1	09/05/2024 17:03	WG2354285

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

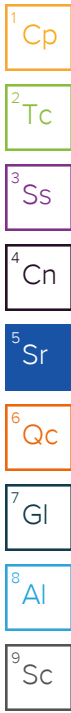
Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.640		0.0167	0.200	1	09/06/2024 20:36	WG2355781

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Selenium	0.511	J	0.180	2.50	5	09/14/2024 13:47	WG2361816

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	0.0309	J	0.0217	0.100	1	09/02/2024 02:17	WG2354658
(S) a,a,a-Trifluorotoluene(FID)	100			77.0-120		09/02/2024 02:17	WG2354658



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	09/02/2024 08:38	WG2354695
Toluene	U		0.00130	0.00500	1	09/02/2024 08:38	WG2354695
Ethylbenzene	U		0.000737	0.00250	1	09/02/2024 08:38	WG2354695
Xylenes, Total	U		0.000880	0.00650	1	09/02/2024 08:38	WG2354695
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	09/02/2024 08:38	WG2354695
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	09/02/2024 08:38	WG2354695
(S) Toluene-d8	110			75.0-131		09/02/2024 08:38	WG2354695
(S) 4-Bromofluorobenzene	94.2			67.0-138		09/02/2024 08:38	WG2354695
(S) 1,2-Dichloroethane-d4	85.5			70.0-130		09/02/2024 08:38	WG2354695

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	4.93		1.61	4.00	1	09/09/2024 14:28	WG2356439
C28-C36 Motor Oil Range	12.3		0.274	4.00	1	09/09/2024 14:28	WG2356439
(S) o-Terphenyl	70.2			18.0-148		09/09/2024 14:28	WG2356439

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
Acenaphthene	U		0.00209	0.00600	1	09/04/2024 12:08	WG2354999
Anthracene	U		0.00230	0.00600	1	09/04/2024 12:08	WG2354999
Benzo(a)anthracene	U		0.00173	0.00600	1	09/04/2024 12:08	WG2354999
Benzo(b)fluoranthene	U		0.00153	0.00600	1	09/04/2024 12:08	WG2354999
Benzo(k)fluoranthene	U		0.00215	0.00600	1	09/04/2024 12:08	WG2354999
Benzo(a)pyrene	U		0.00179	0.00600	1	09/04/2024 12:08	WG2354999
Chrysene	U		0.00232	0.00600	1	09/04/2024 12:08	WG2354999
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	09/04/2024 12:08	WG2354999
Fluoranthene	U		0.00227	0.00600	1	09/04/2024 12:08	WG2354999
Fluorene	U		0.00205	0.00600	1	09/04/2024 12:08	WG2354999
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	09/04/2024 12:08	WG2354999
1-Methylnaphthalene	U		0.00449	0.0200	1	09/04/2024 12:08	WG2354999
2-Methylnaphthalene	U		0.00427	0.0200	1	09/04/2024 12:08	WG2354999
Naphthalene	U		0.00408	0.0200	1	09/04/2024 12:08	WG2354999
Pyrene	U		0.00200	0.00600	1	09/04/2024 12:08	WG2354999
(S) p-Terphenyl-d14	90.3			23.0-120		09/04/2024 12:08	WG2354999
(S) Nitrobenzene-d5	105			14.0-149		09/04/2024 12:08	WG2354999
(S) 2-Fluorobiphenyl	89.5			34.0-125		09/04/2024 12:08	WG2354999

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	2.29		1	09/04/2024 20:07	WG2355759

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.579	J	0.255	1.00	1	09/06/2024 15:31	WG2353854

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.20	T8	1	09/04/2024 21:20	WG2356256

Sample Narrative:

L1771822-07 WG2356256: 8.2 at 21.6C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	408		10.0	1	09/04/2024 21:30	WG2356259

Sample Narrative:

L1771822-07 WG2356259: at 25C

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.40		0.518	2.00	1	09/05/2024 17:09	WG2354285
Barium	116		0.0852	0.500	1	09/05/2024 17:09	WG2354285
Cadmium	0.323	B J	0.0471	0.500	1	09/05/2024 17:09	WG2354285
Copper	6.39		0.400	2.00	1	09/05/2024 17:09	WG2354285
Lead	9.21		0.208	0.500	1	09/05/2024 17:09	WG2354285
Nickel	9.12		0.132	2.00	1	09/05/2024 17:09	WG2354285
Selenium	U		0.764	2.00	1	09/05/2024 17:09	WG2354285
Silver	U		0.127	1.00	1	09/05/2024 17:09	WG2354285
Zinc	27.8		0.832	5.00	1	09/05/2024 17:09	WG2354285

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	0.409		0.0167	0.200	1	09/06/2024 20:38	WG2355781

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Selenium	0.374	J	0.180	2.50	5	09/14/2024 13:50	WG2361816

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	0.0927	J	0.0217	0.100	1	09/02/2024 03:48	WG2354658
(S) a,a,a-Trifluorotoluene(FID)	99.3			77.0-120		09/02/2024 03:48	WG2354658

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	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	09/02/2024 08:57	WG2354695
Toluene	U		0.00130	0.00500	1	09/02/2024 08:57	WG2354695
Ethylbenzene	U		0.000737	0.00250	1	09/02/2024 08:57	WG2354695
Xylenes, Total	U		0.000880	0.00650	1	09/02/2024 08:57	WG2354695
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	09/02/2024 08:57	WG2354695
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	09/02/2024 08:57	WG2354695
(S) Toluene-d8	112			75.0-131		09/02/2024 08:57	WG2354695
(S) 4-Bromofluorobenzene	95.3			67.0-138		09/02/2024 08:57	WG2354695
(S) 1,2-Dichloroethane-d4	85.4			70.0-130		09/02/2024 08:57	WG2354695

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	559	J J3 V	322	800	200	09/09/2024 15:59	WG2356439
C28-C36 Motor Oil Range	2980		54.8	800	200	09/09/2024 15:59	WG2356439
(S) o-Terphenyl	0.000	J7		18.0-148		09/09/2024 15:59	WG2356439

Sample Narrative:

L1771822-07 WG2356439: Cannot run at lower dilution due to viscosity of extract

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
Acenaphthene	U		0.00209	0.00600	1	09/04/2024 17:40	WG2354999
Anthracene	U		0.00230	0.00600	1	09/04/2024 17:40	WG2354999
Benzo(a)anthracene	0.00460	U	0.00173	0.00600	1	09/04/2024 17:40	WG2354999
Benzo(b)fluoranthene	0.00726		0.00153	0.00600	1	09/04/2024 17:40	WG2354999
Benzo(k)fluoranthene	0.00215	U	0.00215	0.00600	1	09/04/2024 17:40	WG2354999
Benzo(a)pyrene	0.00529	U	0.00179	0.00600	1	09/04/2024 17:40	WG2354999
Chrysene	0.00302	U	0.00232	0.00600	1	09/04/2024 17:40	WG2354999
Dibenz(a,h)anthracene	0.00289	U	0.00172	0.00600	1	09/04/2024 17:40	WG2354999
Fluoranthene	0.00705		0.00227	0.00600	1	09/04/2024 17:40	WG2354999
Fluorene	U		0.00205	0.00600	1	09/04/2024 17:40	WG2354999
Indeno(1,2,3-cd)pyrene	0.00476	U	0.00181	0.00600	1	09/04/2024 17:40	WG2354999
1-Methylnaphthalene	0.00549	U	0.00449	0.0200	1	09/04/2024 17:40	WG2354999
2-Methylnaphthalene	U		0.00427	0.0200	1	09/04/2024 17:40	WG2354999
Naphthalene	U		0.00408	0.0200	1	09/04/2024 17:40	WG2354999
Pyrene	0.0104		0.00200	0.00600	1	09/04/2024 17:40	WG2354999
(S) p-Terphenyl-d14	79.3			23.0-120		09/04/2024 17:40	WG2354999
(S) Nitrobenzene-d5	125			14.0-149		09/04/2024 17:40	WG2354999
(S) 2-Fluorobiphenyl	80.4			34.0-125		09/04/2024 17:40	WG2354999

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4116590-1 09/06/24 12:17

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1771281-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1771281-05 09/06/24 13:33 • (DUP) R4116590-7 09/06/24 13:40

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

L1771281-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1771281-13 09/06/24 14:29 • (DUP) R4116590-8 09/06/24 14:48

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) R4116590-2 09/06/24 12:25

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	9.14	91.4	80.0-120	

L1771281-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771281-01 09/06/24 12:32 • (MS) R4116590-3 09/06/24 12:38 • (MSD) R4116590-4 09/06/24 12:44

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	U	18.1	18.7	90.7	93.5	1	75.0-125			3.05	20

L1771281-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1771281-01 09/06/24 12:32 • (MS) R4116590-5 09/06/24 12:50

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	643	U	646	100	50	75.0-125	

L1771822-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1771822-06 09/04/24 21:20 • (DUP) R4115599-2 09/04/24 21:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
pH	9.05	9.03	1	0.221		1

Sample Narrative:

OS: 9.05 at 21.6C
 DUP: 9.03 at 21.4C

L1772173-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1772173-11 09/04/24 21:20 • (DUP) R4115599-3 09/04/24 21:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
pH	6.75	6.72	1	0.445		1

Sample Narrative:

OS: 6.75 at 20.7C
 DUP: 6.72 at 20.7C

Laboratory Control Sample (LCS)

(LCS) R4115599-1 09/04/24 21:20

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

Sample Narrative:

LCS: 10.02 at 20.8C

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1771822-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1771822-02 09/06/24 18:35 • (DUP) R4116685-2 09/06/24 18:35

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
pH	7.80	7.82	1	0.256		1

Sample Narrative:

OS: 7.8 at 21.9C
DUP: 7.82 at 21.9C

Laboratory Control Sample (LCS)

(LCS) R4116685-1 09/06/24 18:35

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

Sample Narrative:

LCS: 10 at 21.9C

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

Method Blank (MB)

(MB) R4115605-1 09/04/24 21:30

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

Sample Narrative:

BLANK: at 25C

L1771822-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1771822-06 09/04/24 21:30 • (DUP) R4115605-3 09/04/24 21:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	668	668	1	0.000		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1772173-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1772173-11 09/04/24 21:30 • (DUP) R4115605-4 09/04/24 21:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	103	104	1	0.0967		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4115605-2 09/04/24 21:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Specific Conductance	733	709	96.7	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) R4116684-1 09/06/24 18:35

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

L1771822-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1771822-02 09/06/24 18:35 • (DUP) R4116684-3 09/06/24 18:35

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Specific Conductance	360	364	1	1.10		20

Sample Narrative:

OS: at 25C

DUP: at 25C

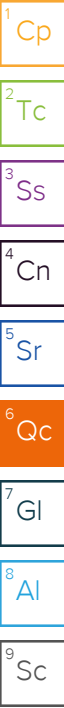
Laboratory Control Sample (LCS)

(LCS) R4116684-2 09/06/24 18:35

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	733	728	99.3	85.0-115	

Sample Narrative:

LCS: at 25C



Method Blank (MB)

(MB) R4116183-1 09/05/24 16:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Cadmium	0.0662	J	0.0471	0.500
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Zinc	U		0.832	5.00

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

Laboratory Control Sample (LCS)

(LCS) R4116183-2 09/05/24 16:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	101	101	80.0-120	
Barium	100	105	105	80.0-120	
Cadmium	100	101	101	80.0-120	
Copper	100	105	105	80.0-120	
Lead	100	100	100	80.0-120	
Nickel	100	97.1	97.1	80.0-120	
Selenium	100	96.7	96.7	80.0-120	
Silver	20.0	19.3	96.7	80.0-120	
Zinc	100	100	100	80.0-120	

⁷ Gl

⁸ Al

⁹ Sc

L1772893-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772893-03 09/05/24 16:51 • (MS) R4116183-5 09/05/24 16:56 • (MSD) R4116183-6 09/05/24 16:58

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	3.93	95.7	91.5	91.8	87.6	1	75.0-125			4.49	20
Barium	100	175	248	264	73.1	89.3	1	75.0-125	J6		6.32	20
Cadmium	100	0.225	91.1	87.9	90.9	87.7	1	75.0-125			3.55	20
Copper	100	30.8	137	127	106	95.7	1	75.0-125			7.72	20
Lead	100	85.1	139	141	53.8	55.5	1	75.0-125	J6	J6	1.18	20
Nickel	100	22.3	117	109	94.3	86.5	1	75.0-125			6.96	20
Selenium	100	U	95.7	92.7	95.7	92.7	1	75.0-125			3.13	20
Silver	20.0	U	17.7	17.4	88.6	87.2	1	75.0-125			1.59	20
Zinc	100	74.9	166	159	90.9	84.4	1	75.0-125			4.01	20

Method Blank (MB)

(MB) R4115928-1 09/05/24 12:44

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) R4115928-2 09/05/24 12:46 • (LCSD) R4115928-3 09/05/24 12:48

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	1.03	1.05	103	105	80.0-120			1.74	20

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

Method Blank (MB)

(MB) R4116724-1 09/06/24 20:27

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) R4116724-2 09/06/24 20:29 • (LCSD) R4116724-3 09/06/24 20:31

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	0.959	1.02	95.9	102	80.0-120			6.27	20

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

Method Blank (MB)

(MB) R4119851-1 09/14/24 12:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Selenium	U		0.180	2.50

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4119851-2 09/14/24 12:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Selenium	100	90.3	90.3	80.0-120	

4 Cn

5 Sr

L1772627-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772627-01 09/14/24 12:43 • (MS) R4119851-5 09/14/24 12:53 • (MSD) R4119851-6 09/14/24 12:56

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 %
Selenium	100	0.473	109	104	108	104	5	75.0-125			4.61	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4115570-3 09/01/24 21:51

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
^(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120

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

(LCS) R4115570-1 09/01/24 20:27 • (LCSD) R4115570-2 09/01/24 20:50

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 %
TPH (GC/FID) Low Fraction	5.00	5.10	5.08	102	102	72.0-127			0.393	20
^(S) a,a,a-Trifluorotoluene(FID)				107	108	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) R4115308-3 09/03/24 12:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.543	2.50
^(S) a,a,a-Trifluorotoluene(FID)	95.8			77.0-120

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

(LCS) R4115308-1 09/03/24 10:24 • (LCSD) R4115308-2 09/03/24 10:43

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 %
TPH (GC/FID) Low Fraction	5.00	5.82	5.82	116	116	72.0-127			0.000	20
^(S) a,a,a-Trifluorotoluene(FID)				107	108	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) R4115736-3 09/02/24 07:05

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	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	110			75.0-131
(S) 4-Bromofluorobenzene	96.1			67.0-138
(S) 1,2-Dichloroethane-d4	90.7			70.0-130

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

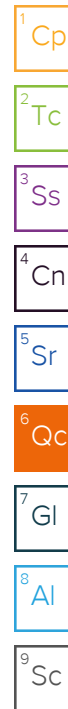
(LCS) R4115736-1 09/02/24 05:32 • (LCSD) R4115736-2 09/02/24 05:51

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Benzene	0.125	0.109	0.110	87.2	88.0	70.0-123			0.913	20
Toluene	0.125	0.122	0.125	97.6	100	75.0-121			2.43	20
Ethylbenzene	0.125	0.123	0.122	98.4	97.6	74.0-126			0.816	20
Xylenes, Total	0.375	0.354	0.375	94.4	100	72.0-127			5.76	20
1,2,4-Trimethylbenzene	0.125	0.106	0.111	84.8	88.8	70.0-126			4.61	20
1,3,5-Trimethylbenzene	0.125	0.111	0.117	88.8	93.6	73.0-127			5.26	20
(S) Toluene-d8				108	110	75.0-131				
(S) 4-Bromofluorobenzene				102	101	67.0-138				
(S) 1,2-Dichloroethane-d4				101	97.3	70.0-130				

L1771822-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771822-01 09/02/24 07:24 • (MS) R4115736-4 09/02/24 13:43 • (MSD) R4115736-5 09/02/24 14:02

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	%	%		%			%	%
Benzene	0.125	U	0.105	0.102	84.0	81.6	1	10.0-149			2.90	37
Toluene	0.125	U	0.123	0.123	98.4	98.4	1	10.0-156			0.000	38
Ethylbenzene	0.125	U	0.114	0.122	91.2	97.6	1	10.0-160			6.78	38
Xylenes, Total	0.375	U	0.344	0.355	91.7	94.7	1	10.0-160			3.15	38
1,2,4-Trimethylbenzene	0.125	U	0.101	0.107	80.8	85.6	1	10.0-160			5.77	36
1,3,5-Trimethylbenzene	0.125	U	0.109	0.114	87.2	91.2	1	10.0-160			4.48	38
(S) Toluene-d8					110	109		75.0-131				
(S) 4-Bromofluorobenzene					98.1	101		67.0-138				
(S) 1,2-Dichloroethane-d4					87.4	80.0		70.0-130				



Method Blank (MB)

(MB) R4115913-1 09/05/24 10:44

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	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	110			75.0-131
(S) 4-Bromofluorobenzene	95.2			67.0-138
(S) 1,2-Dichloroethane-d4	88.3			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4115913-2 09/05/24 11:02

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
Benzene	0.125	0.109	87.2	70.0-123	
Toluene	0.125	0.131	105	75.0-121	
Ethylbenzene	0.125	0.120	96.0	74.0-126	
Xylenes, Total	0.375	0.353	94.1	72.0-127	
1,2,4-Trimethylbenzene	0.125	0.105	84.0	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.115	92.0	73.0-127	
(S) Toluene-d8			112	75.0-131	
(S) 4-Bromofluorobenzene			99.9	67.0-138	
(S) 1,2-Dichloroethane-d4			90.6	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) R4117437-1 09/09/24 11:22

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	79.7			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4117437-2 09/09/24 11:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	38.3	76.6	50.0-150	
(S) o-Terphenyl			77.5	18.0-148	

L1771822-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771822-07 09/09/24 15:59 • (MS) R4117437-3 09/09/24 16:12 • (MSD) R4117437-4 09/09/24 16:25

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	48.9	559	404	U	0.000	0.000	200	50.0-150	<u>JV</u>	<u>J3 V</u>	200	20
(S) o-Terphenyl					0.000	0.000		18.0-148	<u>J7</u>	<u>J7</u>		

Sample Narrative:

OS: Cannot run at lower dilution due to viscosity of extract

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4115644-2 09/04/24 09:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00209	0.00600
Anthracene	U		0.00230	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Benzo(a)pyrene	U		0.00179	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
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
Naphthalene	U		0.00408	0.0200
Pyrene	U		0.00200	0.00600
(S) p-Terphenyl-d14	97.2			23.0-120
(S) Nitrobenzene-d5	102			14.0-149
(S) 2-Fluorobiphenyl	93.3			34.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4115644-1 09/04/24 09:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0668	83.5	50.0-120	
Anthracene	0.0800	0.0678	84.8	50.0-126	
Benzo(a)anthracene	0.0800	0.0724	90.5	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0734	91.8	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0694	86.8	49.0-125	
Benzo(a)pyrene	0.0800	0.0608	76.0	42.0-120	
Chrysene	0.0800	0.0753	94.1	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0768	96.0	47.0-125	
Fluoranthene	0.0800	0.0770	96.3	49.0-129	
Fluorene	0.0800	0.0762	95.3	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0769	96.1	46.0-125	
1-Methylnaphthalene	0.0800	0.0679	84.9	51.0-121	
2-Methylnaphthalene	0.0800	0.0656	82.0	50.0-120	
Naphthalene	0.0800	0.0613	76.6	50.0-120	
Pyrene	0.0800	0.0710	88.8	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4115644-1 09/04/24 09:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			95.3	23.0-120	
(S) Nitrobenzene-d5			111	14.0-149	
(S) 2-Fluorobiphenyl			96.4	34.0-125	

L1771875-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1771875-07 09/04/24 13:26 • (MS) R4115644-3 09/04/24 13:45 • (MSD) R4115644-4 09/04/24 14:05

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0796	U	0.0637	0.0601	80.0	76.3	1	14.0-127			5.82	27
Anthracene	0.0796	U	0.0636	0.0596	79.9	75.6	1	10.0-145			6.49	30
Benzo(a)anthracene	0.0796	U	0.0662	0.0626	83.2	79.4	1	10.0-139			5.59	30
Benzo(b)fluoranthene	0.0796	U	0.0707	0.0664	88.8	84.3	1	10.0-140			6.27	36
Benzo(k)fluoranthene	0.0796	U	0.0640	0.0583	80.4	74.0	1	10.0-137			9.32	31
Benzo(a)pyrene	0.0796	U	0.0640	0.0594	80.4	75.4	1	10.0-141			7.46	31
Chrysene	0.0796	U	0.0707	0.0671	88.8	85.2	1	10.0-145			5.22	30
Dibenz(a,h)anthracene	0.0796	U	0.0732	0.0666	92.0	84.5	1	10.0-132			9.44	31
Fluoranthene	0.0796	U	0.0726	0.0690	91.2	87.6	1	10.0-153			5.08	33
Fluorene	0.0796	U	0.0713	0.0668	89.6	84.8	1	11.0-130			6.52	29
Indeno(1,2,3-cd)pyrene	0.0796	U	0.0721	0.0660	90.6	83.8	1	10.0-137			8.83	32
1-Methylnaphthalene	0.0796	U	0.0633	0.0597	79.5	75.8	1	10.0-142			5.85	28
2-Methylnaphthalene	0.0796	U	0.0653	0.0576	82.0	73.1	1	10.0-137			12.5	28
Naphthalene	0.0796	U	0.0605	0.0551	76.0	69.9	1	10.0-135			9.34	27
Pyrene	0.0796	U	0.0684	0.0660	85.9	83.8	1	10.0-148			3.57	35
(S) p-Terphenyl-d14					90.8	85.6		23.0-120				
(S) Nitrobenzene-d5					102	99.1		14.0-149				
(S) 2-Fluorobiphenyl					90.7	86.6		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.

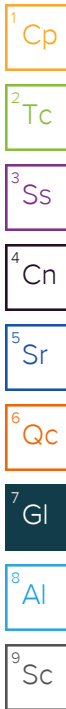
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. 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.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
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.
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

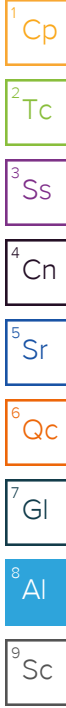
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



Caerus Oil and Gas
143 Diamond Avenue
Parachute, CO 81635

Billing Information:
SAMEASLEFT

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 2



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG # **L1771822**

T: **D093**

Acctnum:

Template:

Prelogin:

PM:

PB:

Shipped Via:

Remarks Sample # (lab only)

Report to: Jake Janicek
Email To: jjanicek@caerusoilandgas.com

Project Description: Corral Creek 4508 Facility Decommissioning
City/State Collected: Piceance Crk, CO
Please Circle: PT MT CT ET

Phone: (970) 778-2314
Client Project # -
Lab Project # -

Collected by (print): Trevor Lakin
Site/Facility ID #: Corral Creek 4508
P.O. # -

Collected by (signature): *T Lakin*
Rush? (Lab MUST Be Notified)
Quote # -

Immediately Packed on Ice N Y
Date Results Needed: **Standard TAT**
No. of Cntrs

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs
20240826-M29199-(RISER01)@3	Grab	SS	3ft	8/26/24	10:39	4
20240826-M29199-(FC-SEP)@1	↓	↓	1ft	↓	10:52	4
20240826-M29199-(FC-FL-SEP)@4	↓	↓	4ft	↓	11:05	4
20240826-M29199-(FC-MH-FLE)@4	↓	↓	4ft	↓	11:21	4
20240826-M29199-(FC-MH-FLW)@4	↓	↓	4ft	↓	11:35	4
20240826-M29199-(FC-MH)@1	↓	↓	1ft	↓	11:44	4
20240826-M29199-(FC-T03)@6	↓	↓	6ft	↓	11:57	4

COGOC Table 915-1

EC, pH, SAR

Arsenic, Boron

COGOC Table 910-1

-01
-02
-03
-04
-05
-06
-07

* 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 # **6426 8306 7186**

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
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

Relinquished by: (Signature) *T Lakin* Date: 8/26/24 Time: 16:30
Received by: (Signature) *[Signature]* Trip Blank Received: Yes No
HCL/MeOH TBR
Relinquished by: (Signature) *[Signature]* Date: 8/26/24 Time: 17:30
Received by: (Signature) Temp: 71.9°C Bottles Received: 28
254.3-0.8
Relinquished by: (Signature) Date: 8.27.24 Time: 0830
Received for lab by: (Signature) *Demanig* Hold: Condition: NCF / OK

If preservation required by Login: Date/Time