ANALYTICAL REPORT

April 25, 2023

Revised Report

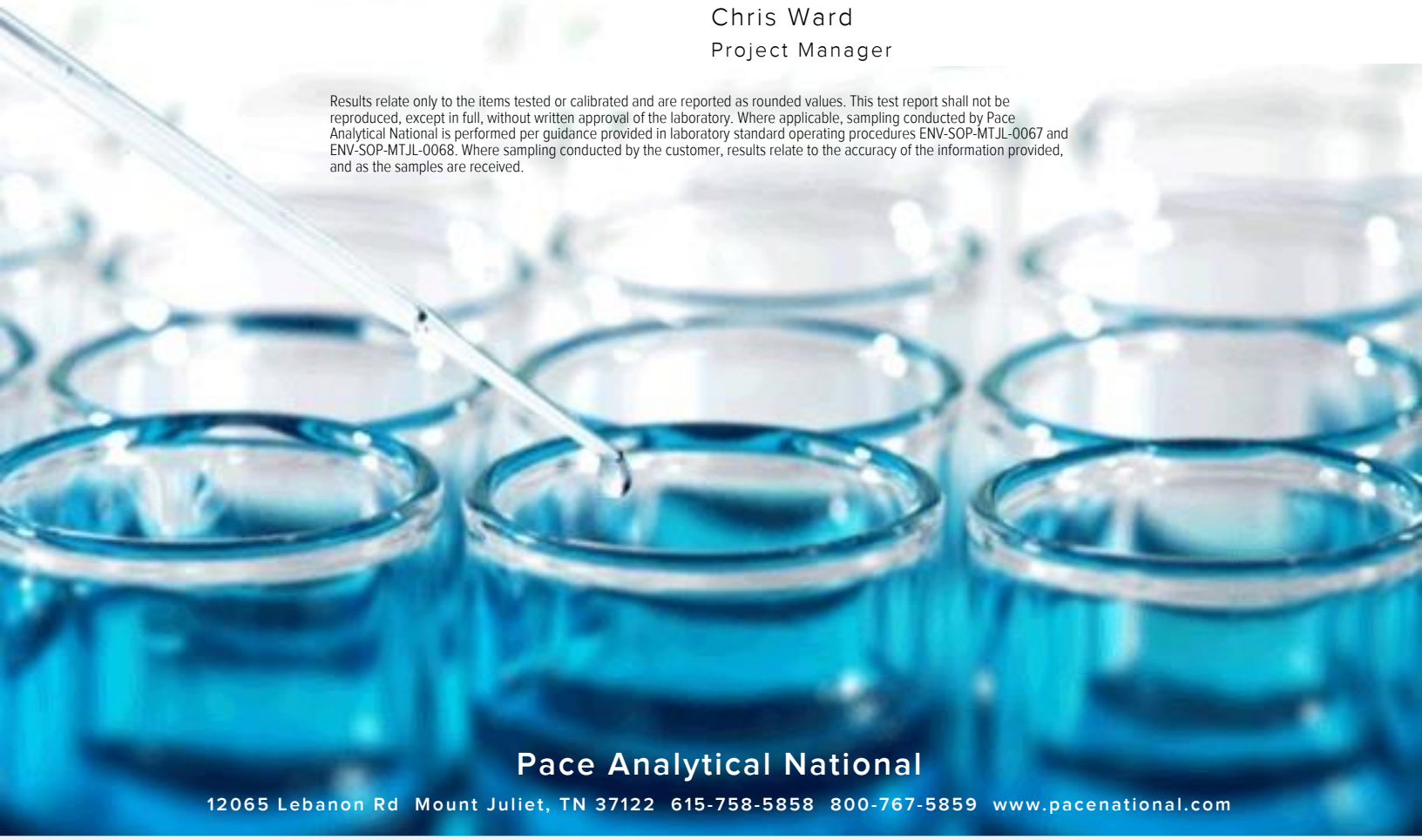
Caerus Oil and Gas

Sample Delivery Group:	L1574963
Samples Received:	01/11/2023
Project Number:	
Description:	909J

Report To: Brett M. , Jake J. , Blair R.
143 Diamond Avenue
Parachute, CO 81635

Entire Report Reviewed By:

Chris Ward
Project Manager



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

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RA1-07164-WMFK L1574963-01 GW

Collected by: Will Harmon | Collected date/time: 01/10/23 11:30 | Received date/time: 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2044211	1	04/19/23 06:10	04/19/23 09:22	MMF	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2015	WG1987255	1	01/11/23 23:31	01/12/23 01:12	AS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1988085	1	01/16/23 16:00	01/16/23 16:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1986833	1	01/17/23 12:00	01/17/23 12:00	CAT	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG1989400	1	01/13/23 14:42	01/16/23 12:45	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG1988623	1	01/13/23 22:27	01/13/23 22:27	KAD	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1987593	1	01/13/23 16:40	01/13/23 16:40	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1986928	10	01/11/23 23:11	01/11/23 23:11	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1986928	100	01/11/23 23:27	01/11/23 23:27	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1987378	1	01/12/23 12:00	01/12/23 17:12	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1987378	10	01/12/23 12:00	01/12/23 20:22	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1987840	500	01/13/23 01:22	01/13/23 01:22	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1987170	100	01/12/23 02:59	01/12/23 02:59	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1987785	500	01/12/23 18:51	01/12/23 18:51	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1986631	1	01/11/23 17:54	01/12/23 16:03	DMG	Mt. Juliet, TN

RI1-07245-WMFK L1574963-02 GW

Collected by: Will Harmon | Collected date/time: 01/10/23 10:40 | Received date/time: 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2044211	1	04/19/23 06:10	04/19/23 09:22	MMF	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2015	WG1987255	1	01/11/23 23:31	01/12/23 01:12	AS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1988085	1	01/16/23 16:04	01/16/23 16:04	ARD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1986833	1	01/17/23 12:01	01/17/23 12:01	CAT	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG1989400	1	01/13/23 14:42	01/16/23 12:46	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG1988623	1	01/13/23 22:27	01/13/23 22:27	KAD	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1987593	1	01/13/23 16:40	01/13/23 16:40	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1986928	10	01/11/23 23:43	01/11/23 23:43	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1986928	100	01/11/23 23:59	01/11/23 23:59	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1987378	1	01/12/23 12:00	01/12/23 17:26	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1987378	10	01/12/23 12:00	01/12/23 20:25	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1987840	500	01/13/23 01:44	01/13/23 01:44	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1987170	250	01/12/23 03:19	01/12/23 03:19	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1986631	1	01/11/23 17:54	01/12/23 16:23	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1986631	5	01/11/23 17:54	01/12/23 21:53	DMG	Mt. Juliet, TN

K8W-10908-ILES L1574963-03 GW

Collected by: Will Harmon | Collected date/time: 01/10/23 08:40 | Received date/time: 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2044211	1	04/19/23 06:10	04/19/23 09:22	MMF	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2015	WG1987255	1	01/11/23 23:31	01/12/23 01:12	AS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1988085	1	01/16/23 16:08	01/16/23 16:08	ARD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1986833	1	01/17/23 12:02	01/17/23 12:02	CAT	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG1989400	1	01/13/23 14:42	01/16/23 12:47	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG1988623	1	01/13/23 22:27	01/13/23 22:27	KAD	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1987593	1	01/13/23 16:40	01/13/23 16:40	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1986928	10	01/12/23 00:15	01/12/23 00:15	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1986928	100	01/12/23 00:31	01/12/23 00:31	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1987378	1	01/12/23 12:00	01/12/23 17:29	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1987378	10	01/12/23 12:00	01/12/23 20:28	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1989504	100	01/16/23 21:56	01/16/23 21:56	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1987170	1000	01/12/23 03:38	01/12/23 03:38	JAH	Mt. Juliet, TN

K8W-10908-ILES L1574963-03 GW

Collected by: Will Harmon
Collected date/time: 01/10/23 08:40
Received date/time: 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1986631	20	01/11/23 17:54	01/13/23 10:25	MAA	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1986631	5	01/11/23 17:54	01/12/23 22:32	DMG	Mt. Juliet, TN

K8W-19147-WMFK L1574963-04 GW

Collected by: Will Harmon
Collected date/time: 01/10/23 09:40
Received date/time: 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2044211	1	04/19/23 06:10	04/19/23 09:22	MMF	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2015	WG1987255	1	01/11/23 23:31	01/12/23 01:12	AS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1988085	1	01/16/23 16:13	01/16/23 16:13	ARD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1986833	1	01/17/23 12:04	01/17/23 12:04	CAT	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG1989400	1	01/13/23 14:42	01/16/23 12:49	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG1988623	1	01/13/23 22:27	01/13/23 22:27	KAD	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1987593	1	01/13/23 16:40	01/13/23 16:40	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1986928	10	01/12/23 00:47	01/12/23 00:47	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1986928	100	01/12/23 01:35	01/12/23 01:35	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1987378	1	01/12/23 12:00	01/12/23 17:32	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1987378	10	01/12/23 12:00	01/12/23 20:30	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1987840	1000	01/13/23 02:06	01/13/23 02:06	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1987170	250	01/12/23 03:57	01/12/23 03:57	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1986631	20	01/11/23 17:54	01/12/23 22:52	DMG	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

Report Revision History

Level II Report - Version 1: 01/17/23 15:15

Project Narrative

Added TDS

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	11900	J3 Q	400	1	04/19/2023 09:22	WG2044211

Gravimetric Analysis by Method 2540 D-2015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	197		25.0	1	01/12/2023 01:12	WG1987255

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Alkalinity	900		8.45	20.0	1	01/16/2023 16:00	WG1988085
Alkalinity,Bicarbonate	900		8.45	20.0	1	01/16/2023 16:00	WG1988085
Alkalinity,Carbonate	U		8.45	20.0	1	01/16/2023 16:00	WG1988085

Sample Narrative:
L1574963-01 WG1988085: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	01/17/2023 12:00	WG1986833

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Phosphorus,Total	0.433	B	0.0350	0.100	1	01/16/2023 12:45	WG1989400

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	pH			date / time	
pH	6.81	T8	1	01/13/2023 22:27	WG1988623

Sample Narrative:
L1574963-01 WG1988623: 6.81 at 22.4C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm		date / time	
Specific Conductance	21900		10.0	1	01/13/2023 16:40	WG1987593

Sample Narrative:
L1574963-01 WG1987593: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Bromide	54.4		3.53	10.0	10	01/11/2023 23:11	WG1986928
Chloride	6950		37.9	100	100	01/11/2023 23:27	WG1986928
Fluoride	U		0.640	1.50	10	01/11/2023 23:11	WG1986928
Nitrate as (N)	U		0.480	1.00	10	01/11/2023 23:11	WG1986928
Nitrite as (N)	U		0.420	1.00	10	01/11/2023 23:11	WG1986928
Sulfate	U		5.94	50.0	10	01/11/2023 23:11	WG1986928

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	

Sample Narrative:

L1574963-01 WG1986928: Dilution due to matrix.

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Barium	72.2		0.00736	0.0500	10	01/12/2023 20:22	WG1987378
Boron	3.72		0.0200	0.200	1	01/12/2023 17:12	WG1987378
Calcium	384	V	0.0793	1.00	1	01/12/2023 17:12	WG1987378
Iron	128	V	0.0180	0.100	1	01/12/2023 17:12	WG1987378
Magnesium	16.0		0.0853	1.00	1	01/12/2023 17:12	WG1987378
Manganese	1.71		0.000934	0.0100	1	01/12/2023 17:12	WG1987378
Potassium	118	O1	0.261	2.00	1	01/12/2023 17:12	WG1987378
Selenium	0.0116		0.00735	0.0100	1	01/12/2023 17:12	WG1987378
Sodium	4240		5.04	30.0	10	01/12/2023 20:22	WG1987378
Strontium	58.8		0.00640	0.100	10	01/12/2023 20:22	WG1987378

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	120		15.7	50.0	500	01/13/2023 01:22	WG1987840
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*78.0-120*		*01/13/2023 01:22*	WG1987840

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	11.2		0.00941	0.100	100	01/12/2023 02:59	WG1987170
Toluene	29.5		0.139	0.500	500	01/12/2023 18:51	WG1987785
Ethylbenzene	1.04		0.0137	0.100	100	01/12/2023 02:59	WG1987170
Xylenes, Total	13.7		0.0174	0.300	100	01/12/2023 02:59	WG1987170
Naphthalene	U		0.100	0.500	100	01/12/2023 02:59	WG1987170
(S) Toluene-d8	*119*			*80.0-120*		*01/12/2023 02:59*	WG1987170
(S) Toluene-d8	*104*			*80.0-120*		*01/12/2023 18:51*	WG1987785
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*01/12/2023 02:59*	WG1987170
(S) 4-Bromofluorobenzene	*92.4*			*77.0-126*		*01/12/2023 18:51*	WG1987785
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*01/12/2023 02:59*	WG1987170
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*		*01/12/2023 18:51*	WG1987785

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
C10-C28 Diesel Range	7.93		0.0222	0.100	1	01/12/2023 16:03	WG1986631
C28-C36 Motor Oil Range	U		0.0118	0.100	1	01/12/2023 16:03	WG1986631
(S) o-Terphenyl	*27.8*	J2		*52.0-156*		*01/12/2023 16:03*	WG1986631

Sample Narrative:

L1574963-01 WG1986631: Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	16100	Q	400	1	04/19/2023 09:22	WG2044211

Gravimetric Analysis by Method 2540 D-2015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	190		50.0	1	01/12/2023 01:12	WG1987255

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Alkalinity	389		8.45	20.0	1	01/16/2023 16:04	WG1988085
Alkalinity,Bicarbonate	389		8.45	20.0	1	01/16/2023 16:04	WG1988085
Alkalinity,Carbonate	U		8.45	20.0	1	01/16/2023 16:04	WG1988085

Sample Narrative:

L1574963-02 WG1988085: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	01/17/2023 12:01	WG1986833

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Phosphorus,Total	2.56		0.0350	0.100	1	01/16/2023 12:46	WG1989400

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	pH			date / time	
pH	6.45	T8	1	01/13/2023 22:27	WG1988623

Sample Narrative:

L1574963-02 WG1988623: 6.45 at 18C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm		date / time	
Specific Conductance	29300		10.0	1	01/13/2023 16:40	WG1987593

Sample Narrative:

L1574963-02 WG1987593: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Bromide	88.5		3.53	10.0	10	01/11/2023 23:43	WG1986928
Chloride	10300		37.9	100	100	01/11/2023 23:59	WG1986928
Fluoride	U		0.640	1.50	10	01/11/2023 23:43	WG1986928
Nitrate as (N)	U		0.480	1.00	10	01/11/2023 23:43	WG1986928
Nitrite as (N)	U		0.420	1.00	10	01/11/2023 23:43	WG1986928
Sulfate	U		5.94	50.0	10	01/11/2023 23:43	WG1986928

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	

Sample Narrative:

L1574963-02 WG1986928: Dilution due to matrix.

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Barium	95.4		0.00736	0.0500	10	01/12/2023 20:25	WG1987378
Boron	1.47		0.0200	0.200	1	01/12/2023 17:26	WG1987378
Calcium	765		0.0793	1.00	1	01/12/2023 17:26	WG1987378
Iron	174		0.0180	0.100	1	01/12/2023 17:26	WG1987378
Magnesium	19.6		0.0853	1.00	1	01/12/2023 17:26	WG1987378
Manganese	2.37		0.000934	0.0100	1	01/12/2023 17:26	WG1987378
Potassium	80.6		0.261	2.00	1	01/12/2023 17:26	WG1987378
Selenium	U		0.00735	0.0100	1	01/12/2023 17:26	WG1987378
Sodium	5460		5.04	30.0	10	01/12/2023 20:25	WG1987378
Strontium	103		0.00640	0.100	10	01/12/2023 20:25	WG1987378

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	142		15.7	50.0	500	01/13/2023 01:44	WG1987840
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*78.0-120*		*01/13/2023 01:44*	WG1987840

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	13.8		0.0235	0.250	250	01/12/2023 03:19	WG1987170
Toluene	46.2		0.0695	0.250	250	01/12/2023 03:19	WG1987170
Ethylbenzene	1.30		0.0343	0.250	250	01/12/2023 03:19	WG1987170
Xylenes, Total	18.9		0.0435	0.750	250	01/12/2023 03:19	WG1987170
Naphthalene	U		0.250	1.25	250	01/12/2023 03:19	WG1987170
(S) Toluene-d8	*115*			*80.0-120*		*01/12/2023 03:19*	WG1987170
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*01/12/2023 03:19*	WG1987170
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*01/12/2023 03:19*	WG1987170

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
C10-C28 Diesel Range	10.2		0.111	0.500	5	01/12/2023 21:53	WG1986631
C28-C36 Motor Oil Range	0.0327	J	0.0118	0.100	1	01/12/2023 16:23	WG1986631
(S) o-Terphenyl	*20.9*	J2		*52.0-156*		*01/12/2023 16:23*	WG1986631
(S) o-Terphenyl	*94.0*			*52.0-156*		*01/12/2023 21:53*	WG1986631

Sample Narrative:

L1574963-02 WG1986631: Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	10900	Q	400	1	04/19/2023 09:22	WG2044211

Gravimetric Analysis by Method 2540 D-2015

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Suspended Solids	118	J3	10.0	1	01/12/2023 01:12	WG1987255

Wet Chemistry by Method 2320 B-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Alkalinity	766		8.45	20.0	1	01/16/2023 16:08	WG1988085
Alkalinity,Bicarbonate	766		8.45	20.0	1	01/16/2023 16:08	WG1988085
Alkalinity,Carbonate	U		8.45	20.0	1	01/16/2023 16:08	WG1988085

Sample Narrative:

L1574963-03 WG1988085: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	U		0.0500	0.100	1	01/17/2023 12:02	WG1986833

Wet Chemistry by Method 365.4

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Phosphorus,Total	0.0784	B J	0.0350	0.100	1	01/16/2023 12:47	WG1989400

Wet Chemistry by Method 9040C

Analyte	Result pH	Qualifier	Dilution	Analysis date / time	Batch
pH	6.72	T8	1	01/13/2023 22:27	WG1988623

Sample Narrative:

L1574963-03 WG1988623: 6.72 at 18C

Wet Chemistry by Method 9050A

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	21400		10.0	1	01/13/2023 16:40	WG1987593

Sample Narrative:

L1574963-03 WG1987593: at 25C

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Bromide	60.6		3.53	10.0	10	01/12/2023 00:15	WG1986928
Chloride	6760		37.9	100	100	01/12/2023 00:31	WG1986928
Fluoride	0.661	J	0.640	1.50	10	01/12/2023 00:15	WG1986928
Nitrate as (N)	U		0.480	1.00	10	01/12/2023 00:15	WG1986928
Nitrite as (N)	U		0.420	1.00	10	01/12/2023 00:15	WG1986928
Sulfate	6.85	J	5.94	50.0	10	01/12/2023 00:15	WG1986928

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	

Sample Narrative:

L1574963-03 WG1986928: Dilution due to matrix.

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Barium	30.6		0.000736	0.00500	1	01/12/2023 17:29	WG1987378
Boron	16.8		0.0200	0.200	1	01/12/2023 17:29	WG1987378
Calcium	85.8		0.0793	1.00	1	01/12/2023 17:29	WG1987378
Iron	64.3		0.0180	0.100	1	01/12/2023 17:29	WG1987378
Magnesium	6.74		0.0853	1.00	1	01/12/2023 17:29	WG1987378
Manganese	0.699		0.000934	0.0100	1	01/12/2023 17:29	WG1987378
Potassium	52.0		0.261	2.00	1	01/12/2023 17:29	WG1987378
Selenium	U		0.00735	0.0100	1	01/12/2023 17:29	WG1987378
Sodium	4350		5.04	30.0	10	01/12/2023 20:28	WG1987378
Strontium	26.7		0.00640	0.100	10	01/12/2023 20:28	WG1987378

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	157		3.14	10.0	100	01/16/2023 21:56	WG1989504
(S) a,a,a-Trifluorotoluene(FID)	*97.5*			*78.0-120*		*01/16/2023 21:56*	WG1989504

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	9.24		0.0941	1.00	1000	01/12/2023 03:38	WG1987170
Toluene	35.4		0.278	1.00	1000	01/12/2023 03:38	WG1987170
Ethylbenzene	1.22		0.137	1.00	1000	01/12/2023 03:38	WG1987170
Xylenes, Total	17.8		0.174	3.00	1000	01/12/2023 03:38	WG1987170
Naphthalene	U		1.00	5.00	1000	01/12/2023 03:38	WG1987170
(S) Toluene-d8	*115*			*80.0-120*		*01/12/2023 03:38*	WG1987170
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*01/12/2023 03:38*	WG1987170
(S) 1,2-Dichloroethane-d4	*99.1*			*70.0-130*		*01/12/2023 03:38*	WG1987170

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
C10-C28 Diesel Range	71.3		0.444	2.00	20	01/13/2023 10:25	WG1986631
C28-C36 Motor Oil Range	4.74		0.0590	0.500	5	01/12/2023 22:32	WG1986631
(S) o-Terphenyl	*0.000*	J7		*52.0-156*		*01/13/2023 10:25*	WG1986631
(S) o-Terphenyl	*0.000*	J2		*52.0-156*		*01/12/2023 22:32*	WG1986631

Sample Narrative:

L1574963-03 WG1986631: Surrogate failure due to matrix interference

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	8320	Q	400	1	04/19/2023 09:22	WG2044211

Gravimetric Analysis by Method 2540 D-2015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	42.8		10.0	1	01/12/2023 01:12	WG1987255

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Alkalinity	1040		8.45	20.0	1	01/16/2023 16:13	WG1988085
Alkalinity,Bicarbonate	1040		8.45	20.0	1	01/16/2023 16:13	WG1988085
Alkalinity,Carbonate	U		8.45	20.0	1	01/16/2023 16:13	WG1988085

Sample Narrative:
L1574963-04 WG1988085: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Nitrate-Nitrite	U		0.0500	0.100	1	01/17/2023 12:04	WG1986833

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Phosphorus,Total	0.109	B	0.0350	0.100	1	01/16/2023 12:49	WG1989400

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	pH			date / time	
pH	7.02	T8	1	01/13/2023 22:27	WG1988623

Sample Narrative:
L1574963-04 WG1988623: 7.02 at 18.1C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm		date / time	
Specific Conductance	15000		10.0	1	01/13/2023 16:40	WG1987593

Sample Narrative:
L1574963-04 WG1987593: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Bromide	37.2		3.53	10.0	10	01/12/2023 00:47	WG1986928
Chloride	4230		37.9	100	100	01/12/2023 01:35	WG1986928
Fluoride	1.16	J	0.640	1.50	10	01/12/2023 00:47	WG1986928
Nitrate as (N)	U		0.480	1.00	10	01/12/2023 00:47	WG1986928
Nitrite as (N)	U		0.420	1.00	10	01/12/2023 00:47	WG1986928
Sulfate	9.00	J	5.94	50.0	10	01/12/2023 00:47	WG1986928

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	

Sample Narrative:

L1574963-04 WG1986928: Dilution due to matrix.

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Barium	27.5		0.000736	0.00500	1	01/12/2023 17:32	WG1987378
Boron	5.13		0.0200	0.200	1	01/12/2023 17:32	WG1987378
Calcium	58.8		0.0793	1.00	1	01/12/2023 17:32	WG1987378
Iron	13.7		0.0180	0.100	1	01/12/2023 17:32	WG1987378
Magnesium	5.62		0.0853	1.00	1	01/12/2023 17:32	WG1987378
Manganese	0.168		0.000934	0.0100	1	01/12/2023 17:32	WG1987378
Potassium	27.5		0.261	2.00	1	01/12/2023 17:32	WG1987378
Selenium	U		0.00735	0.0100	1	01/12/2023 17:32	WG1987378
Sodium	3080		5.04	30.0	10	01/12/2023 20:30	WG1987378
Strontium	14.2		0.000640	0.0100	1	01/12/2023 17:32	WG1987378

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	141		31.4	100	1000	01/13/2023 02:06	WG1987840
(S) a,a,a-Trifluorotoluene(FID)	*99.6*			*78.0-120*		*01/13/2023 02:06*	WG1987840

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	11.7		0.0235	0.250	250	01/12/2023 03:57	WG1987170
Toluene	37.9		0.0695	0.250	250	01/12/2023 03:57	WG1987170
Ethylbenzene	1.39		0.0343	0.250	250	01/12/2023 03:57	WG1987170
Xylenes, Total	18.6		0.0435	0.750	250	01/12/2023 03:57	WG1987170
Naphthalene	U		0.250	1.25	250	01/12/2023 03:57	WG1987170
(S) Toluene-d8	*115*			*80.0-120*		*01/12/2023 03:57*	WG1987170
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*01/12/2023 03:57*	WG1987170
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*		*01/12/2023 03:57*	WG1987170

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
C10-C28 Diesel Range	129		0.444	2.00	20	01/12/2023 22:52	WG1986631
C28-C36 Motor Oil Range	9.94		0.236	2.00	20	01/12/2023 22:52	WG1986631
(S) o-Terphenyl	*0.000*	J7		*52.0-156*		*01/12/2023 22:52*	WG1986631

Method Blank (MB)

(MB) R3915585-1 04/19/23 09:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1557514-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1557514-01 04/19/23 09:22 • (DUP) R3915585-3 04/19/23 09:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	9760	10300	1	5.58	J3	5

L1574963-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1574963-01 04/19/23 09:22 • (DUP) R3915585-4 04/19/23 09:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	11900	13500	1	12.3	J3	5

Laboratory Control Sample (LCS)

(LCS) R3915585-2 04/19/23 09:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	7720	87.7	77.3-123	

Method Blank (MB)

(MB) R3880318-1 01/12/23 01:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Suspended Solids	U		2.50	2.50

L1574838-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1574838-01 01/12/23 01:12 • (DUP) R3880318-3 01/12/23 01:12

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	34.8	36.4	1	4.49		5

L1574963-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1574963-03 01/12/23 01:12 • (DUP) R3880318-4 01/12/23 01:12

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	118	128	1	8.47	J3	5

Laboratory Control Sample (LCS)

(LCS) R3880318-2 01/12/23 01:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Suspended Solids	773	832	108	85.7-114	

Method Blank (MB)

(MB) R3881411-2 01/16/23 14:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Alkalinity	U		8.45	20.0
Alkalinity,Bicarbonate	U		8.45	20.0
Alkalinity,Carbonate	U		8.45	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1574277-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1574277-01 01/16/23 14:44 • (DUP) R3881411-3 01/16/23 14:49

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	385	386	1	0.172		20
Alkalinity,Bicarbonate	385	386	1	0.172		20
Alkalinity,Carbonate	U	U	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1574723-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1574723-01 01/16/23 15:36 • (DUP) R3881411-4 01/16/23 15:41

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	62.8	63.5	1	1.02		20
Alkalinity,Bicarbonate	62.8	63.5	1	1.02		20
Alkalinity,Carbonate	U	U	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R3881411-1 01/16/23 14:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100	103	103	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3881708-1 01/17/23 11:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	U		0.0500	0.100

L1574241-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1574241-01 01/17/23 11:43 • (DUP) R3881708-3 01/17/23 11:45

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.558	0.560	1	0.358		20

L1574726-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1574726-01 01/17/23 11:50 • (DUP) R3881708-6 01/17/23 11:51

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	2.06	2.07	1	0.484		20

Laboratory Control Sample (LCS)

(LCS) R3881708-2 01/17/23 11:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2.50	2.60	104	90.0-110	

L1574241-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1574241-01 01/17/23 11:43 • (MS) R3881708-4 01/17/23 11:46 • (MSD) R3881708-5 01/17/23 11:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.558	3.20	3.15	106	104	1	90.0-110			1.57	20

L1574726-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1574726-01 01/17/23 11:50 • (MS) R3881708-7 01/17/23 11:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	2.06	4.51	98.0	1	90.0-110	

Method Blank (MB)

(MB) R3881332-1 01/16/23 12:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phosphorus,Total	0.0586	J	0.0350	0.100

L1574681-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1574681-03 01/16/23 12:27 • (DUP) R3881332-3 01/16/23 12:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Phosphorus,Total	1.39	1.39	1	0.000		20

L1574685-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1574685-01 01/16/23 12:32 • (DUP) R3881332-6 01/16/23 12:33

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Phosphorus,Total	1.82	1.83	1	0.548		20

Laboratory Control Sample (LCS)

(LCS) R3881332-2 01/16/23 12:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phosphorus,Total	2.47	2.41	97.6	83.2-116	

L1574681-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1574681-03 01/16/23 12:27 • (MS) R3881332-4 01/16/23 12:30 • (MSD) R3881332-5 01/16/23 12:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Phosphorus,Total	2.50	1.39	3.88	3.84	99.6	98.0	1	90.0-110			1.04	20

L1574617-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1574617-01 01/13/23 22:27 • (DUP) R3880959-2 01/13/23 22:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	9.04	9.05	1	0.111		1

Sample Narrative:

OS: 9.04 at 21.1C

DUP: 9.05 at 19C

L1575989-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1575989-01 01/13/23 22:27 • (DUP) R3880959-3 01/13/23 22:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.29	7.32	1	0.411		1

Sample Narrative:

OS: 7.29 at 19.4C

DUP: 7.32 at 18.8C

Laboratory Control Sample (LCS)

(LCS) R3880959-1 01/13/23 22:27

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.90	99.0	99.0-101	

Sample Narrative:

LCS: 9.9 at 20C

Method Blank (MB)

(MB) R3880918-1 01/13/23 16:40

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

L1573788-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1573788-13 01/13/23 16:40 • (DUP) R3880918-3 01/13/23 16:40

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	4780	4850	1	1.45		20

Sample Narrative:
OS: at 25C
DUP: at 25C

L1574963-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1574963-04 01/13/23 16:40 • (DUP) R3880918-4 01/13/23 16:40

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	15000	14900	1	0.536		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3880918-2 01/13/23 16:40

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1120	1110	98.7	85.0-115	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R3880255-1 01/11/23 19:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Bromide	U		0.353	1.00
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Nitrate	U		0.0480	0.100
Nitrite	U		0.0420	0.100
Sulfate	U		0.594	5.00

L1574813-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1574813-01 01/11/23 21:19 • (DUP) R3880255-3 01/11/23 21:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Bromide	U	U	1	0.000		15
Chloride	108	108	1	0.00614		15
Fluoride	0.542	0.544	1	0.350		15
Nitrate	0.313	0.310	1	1.09		15
Nitrite	U	U	1	0.000		15
Sulfate	55.1	54.9	1	0.367		15

Laboratory Control Sample (LCS)

(LCS) R3880255-2 01/11/23 19:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromide	40.0	40.8	102	80.0-120	
Chloride	40.0	40.5	101	80.0-120	
Fluoride	8.00	8.57	107	80.0-120	
Nitrate	8.00	7.81	97.6	80.0-120	
Nitrite	8.00	8.37	105	80.0-120	
Sulfate	40.0	40.9	102	80.0-120	

L1574813-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1574813-01 01/11/23 21:19 • (MS) R3880255-4 01/11/23 22:23 • (MSD) R3880255-5 01/11/23 22:39

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromide	50.0	U	50.9	51.3	102	103	1	80.0-120			0.822	15
Chloride	50.0	108	152	153	89.2	89.9	1	80.0-120			0.230	15

L1574813-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1574813-01 01/11/23 21:19 • (MS) R3880255-4 01/11/23 22:23 • (MSD) R3880255-5 01/11/23 22:39

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Fluoride	5.00	0.542	5.87	5.90	107	107	1	80.0-120			0.530	15
Nitrate	5.00	0.313	5.09	5.29	95.6	99.5	1	80.0-120			3.70	15
Nitrite	5.00	U	5.24	5.28	105	106	1	80.0-120			0.610	15
Sulfate	50.0	55.1	102	102	93.3	94.3	1	80.0-120			0.492	15

Method Blank (MB)

(MB) R3880603-1 01/12/23 17:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Barium	U		0.000736	0.00500
Boron	U		0.0200	0.200
Calcium	U		0.0793	1.00
Iron	U		0.0180	0.100
Magnesium	U		0.0853	1.00
Manganese	U		0.000934	0.0100
Potassium	U		0.261	2.00
Selenium	U		0.00735	0.0100
Sodium	U		0.504	3.00
Strontium	U		0.000640	0.0100

Laboratory Control Sample (LCS)

(LCS) R3880603-2 01/12/23 17:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium	1.00	0.968	96.8	80.0-120	
Boron	1.00	0.982	98.2	80.0-120	
Calcium	10.0	10.1	101	80.0-120	
Iron	10.0	9.84	98.4	80.0-120	
Magnesium	10.0	9.80	98.0	80.0-120	
Manganese	1.00	0.953	95.3	80.0-120	
Potassium	10.0	9.93	99.3	80.0-120	
Selenium	1.00	0.928	92.8	80.0-120	
Sodium	10.0	9.82	98.2	80.0-120	
Strontium	1.00	0.997	99.7	80.0-120	

L1574963-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1574963-01 01/12/23 17:12 • (MS) R3880603-4 01/12/23 17:17 • (MSD) R3880603-5 01/12/23 17:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium	1.00	56.2	56.5	56.8	27.0	59.5	1	75.0-125	E V	E V	0.574	20
Boron	1.00	3.72	4.63	4.61	90.4	89.0	1	75.0-125			0.313	20
Calcium	10.0	384	384	387	0.000	30.1	1	75.0-125	V	V	0.802	20
Iron	10.0	128	136	135	77.6	71.3	1	75.0-125		V	0.466	20
Magnesium	10.0	16.0	25.0	25.1	90.0	91.0	1	75.0-125			0.413	20
Manganese	1.00	1.71	2.56	2.55	84.8	83.3	1	75.0-125			0.565	20
Potassium	10.0	118	127	128	87.0	102	1	75.0-125			1.14	20

L1574963-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1574963-01 01/12/23 17:12 • (MS) R3880603-4 01/12/23 17:17 • (MSD) R3880603-5 01/12/23 17:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Selenium	1.00	0.0116	1.06	1.11	105	110	1	75.0-125			4.59	20
Sodium	10.0	4620	4520	4540	0.000	0.000	1	75.0-125	E V	E V	0.573	20
Strontium	1.00	58.4	57.9	58.7	0.000	24.0	1	75.0-125	E V	E V	1.30	20

Method Blank (MB)

(MB) R3881338-3 01/12/23 11:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*99.6*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3881338-2 01/12/23 10:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.44	98.9	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*78.0-120*	

Method Blank (MB)

(MB) R3881778-3 01/16/23 12:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*98.0*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3881778-2 01/16/23 11:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.66	103	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*104*	*78.0-120*	

Method Blank (MB)

(MB) R3880453-3 01/11/23 20:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Xylenes, Total	U		0.000174	0.00300
Naphthalene	U		0.00100	0.00500
(S) Toluene-d8	*116*			*80.0-120*
(S) 4-Bromofluorobenzene	*109*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*87.2*			*70.0-130*

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

(LCS) R3880453-1 01/11/23 19:41 • (LCSD) R3880453-2 01/11/23 20:00

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 %
Benzene	0.00500	0.00463	0.00472	92.6	94.4	70.0-123			1.93	20
Toluene	0.00500	0.00525	0.00539	105	108	79.0-120			2.63	20
Ethylbenzene	0.00500	0.00550	0.00574	110	115	79.0-123			4.27	20
Xylenes, Total	0.0150	0.0162	0.0172	108	115	79.0-123			5.99	20
Naphthalene	0.00500	0.00434	0.00456	86.8	91.2	54.0-135			4.94	20
(S) Toluene-d8				*114*	*116*	*80.0-120*				
(S) 4-Bromofluorobenzene				*104*	*105*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*91.6*	*91.6*	*70.0-130*				

Method Blank (MB)

(MB) R3880778-2 01/12/23 09:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Toluene	U		0.000278	0.00100
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3880778-1 01/12/23 08:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Toluene	0.00500	0.00525	105	79.0-120	
(S) Toluene-d8			*99.7*	*80.0-120*	
(S) 4-Bromofluorobenzene			*91.0*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*93.8*	*70.0-130*	

Method Blank (MB)

(MB) R3880383-1 01/12/23 08:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
C10-C28 Diesel Range	0.0319	J	0.0222	0.100
C28-C36 Motor Oil Range	U		0.0118	0.100
(S) o-Terphenyl	*77.5*			*52.0-156*

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

(LCS) R3880383-2 01/12/23 08:28 • (LCSD) R3880383-3 01/12/23 08:48

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 %
C10-C28 Diesel Range	1.50	1.82	1.74	121	116	50.0-150			4.49	20
(S) o-Terphenyl				*115*	*94.0*	*52.0-156*				

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.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Company Name/Address:
Caerus Oil and Gas

143 Diamond Avenue
Parachute, CO 81635

Billing Information:
Accounts Payable
1001 17th St., Ste. 1600
Denver, CO 80202

Pres Chk

Report to:
Brett Middleton

Email To:
JJanicek@caerusoilandgas.com;brollins@caerus

Project Description: 909J

City/State Collected: Parachute, CO

Please Circle: PT MT CT ET

Phone: **970-285-2653**

Client Project #

Lab Project #

Collected by (print): Will Harmon

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed: ASAP

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK,ALKBI,ALKCA 250mlHDPE-NoPres	Br,Cl,F,SO4 250mlHDPE-NoPres	DRONMLVI 40mlAmb-HCl-BT	DRONMLVI 40mlAmb-NoPres	GRO 40mlAmb HCl	GRO 40mlAmb-NoPres	NO2NO3 250mlHDPE-H2SO4	PT 250mlHDPE-H2SO4	RA-226/228 1L-HDPE-Add-HNO3	SPCON 250mlHDPE-NoPres	Remarks	Sample # (lab only)
RA1-07164-WMFK	Grab	GW	Surface	1/10/23	1130	25	X	X	X	X	X	X	X	X	X	X		-01
RI1-07245-WMFK	Grab	GW	Surface	1/10/23	1040	25	X	X	X	X	X	X	X	X	X	X		-02
K8W-10908-ILES	Grab	GW	Surface	1/10/23	0840	25	X	X	X	X	X	X	X	X	X	X		-03
K8W-19147-WMFK	Grab	GW	Surface	1/10/23	0940	25	X	X	X	X	X	X	X	X	X	X		-04
		GW				25	X	X	X	X	X	X	X	X	X	X		
		GW				25	X	X	X	X	X	X	X	X	X	X		
		GW				25	X	X	X	X	X	X	X	X	X	X		
		GW				25	X	X	X	X	X	X	X	X	X	X		
		GW				25	X	X	X	X	X	X	X	X	X	X		
		GW				25	X	X	X	X	X	X	X	X	X	X		

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

Remarks:Metals - Ba,B,Ca,Fe,K,Mg,Mn,Na,Se,Sr

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1/10/23	1545	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1/10/23	1600	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCl / MeoH
TBR
3

Temp: °C Bottles Received: 100

Date: 1-11-23 Time: 8:30

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

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

SDG # L1574963

Table # B224

Acc

Template:T215555

Prelogin: P958511

PM: 824 - Chris Ward

PB:

Shipped Via: FedEX Ground

Company Name/Address:
Caerus Oil and Gas

143 Diamond Avenue
Parachute, CO 81635

Billing Information:
Accounts Payable
1001 17th St., Ste. 1600
Denver, CO 80202

Pres Chk

Report to: **Brett Middleton**

Email To: JJanicek@caerusoilandgas.com;brollins@caerus

Project Description: 9095

City/State Collected: Parachute, CO

Please Circle: PT (MT) CT ET

Phone: **970-285-2653**

Client Project #

Lab Project #

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P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed: ASAP

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TDS 1L-HDPE NoPres	TSS 1L-HDPE NoPres	Total Metals 250mlHDPE-HNO3	V8260BTEXN 40mlAmb-HCl	V8260BTEXN 40mlAmb-NoPres	pH 125mlHDPE-NoPres	V8260BTEXN 40ml Amb - Blank			Remarks	Sample # (lab only)
RAI-07164-WMFK	Grab	GW	Surface	1/10/23	1130	25	X	X	X	X	X	X	X				-01
RI1-07245-WMFK	Grab	GW	Surface	1/10/23	1040	25	X	X	X	X	X	X					-02
K8W-10908-ILOS	Grab	GW	Surface	1/10/23	0840	25	X	X	X	X	X	X	X				-03
K8W-19147-WMFK	Grab	GW	Surface	1/10/23	0940	25	X	X	X	X	X	X	X				-04
		GW				25	X	X	X	X	X	X					
		GW				25	X	X	X	X	X	X					
		GW				25	X	X	X	X	X	X					
		GW				25	X	X	X	X	X	X					
		GW				25	X	X	X	X	X	X					
		GW				25	X	X	X	X	X	X					

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

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

SDG # L1574963

Table #

Acctnum: **CAERUSPCO**
Template: **T215555**
Prelogin: **P958511**
PM: **824 - Chris Ward**
PB:

Shipped Via: **FedEx Ground**

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

Remarks:Metals - Ba,B,Ca,Fe,K,Mg,Mn,Na,Se,Sr

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	1/10/23	1545		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
	1/10/23	1645		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				1-11-23 8:30

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

L5749163

Tracking Numbers	Temperature
6126 6537 5170	GBA2 1.0 to 1.0
6126 6537 5103	GBA2 4.3 to 4.3