

Prospect Energy LLC

Sample Delivery Group: L1674177
Samples Received: 11/06/2023
Project Number: 30-7
Description: MSSU 30-7 Spill

Report To: Mary Griggs
1036 Country Club Drive
Castle Rock, CO 80108

Entire Report Reviewed By:

[Preliminary Report]

Chris Ward
Project Manager

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SAMPLE SUMMARY

30-7-5 L1674177-01 GW

Collected by
Mary Griggs

Collected date/time
11/03/23 13:00

Received date/time
11/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2165847	1	11/07/23 09:01	11/07/23 09:41	MM	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2015	WG2166401	1	11/07/23 16:28	11/07/23 18:20	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2165530	1	11/08/23 11:09	11/08/23 11:09	BJM	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2166338	1	11/07/23 08:48	11/07/23 16:15	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2166023	1	11/07/23 13:35	11/07/23 13:35	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2165825	1	11/08/23 13:52	11/08/23 13:52	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2165861	1	11/08/23 07:20	11/08/23 07:20	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2165861	20	11/08/23 07:33	11/08/23 07:33	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2166233	1	11/08/23 07:17	11/08/23 12:12	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2165626	1	11/06/23 22:53	11/06/23 22:53	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2165655	1	11/07/23 00:32	11/07/23 00:32	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2165708	1	11/07/23 12:57	11/08/23 02:09	DMG	Mt. Juliet, TN



30-7-6 L1674177-02 GW

Collected by
Mary Griggs

Collected date/time
11/03/23 13:30

Received date/time
11/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2165847	1	11/07/23 09:01	11/07/23 09:41	MM	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2015	WG2166401	1	11/07/23 16:28	11/07/23 18:20	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2165530	1	11/08/23 11:17	11/08/23 11:17	BJM	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2166338	1	11/07/23 08:48	11/07/23 16:16	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2166023	1	11/07/23 13:35	11/07/23 13:35	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2165825	1	11/08/23 13:52	11/08/23 13:52	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2165861	10	11/08/23 07:46	11/08/23 07:46	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2166233	1	11/08/23 07:17	11/08/23 11:31	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2165626	1	11/06/23 23:15	11/06/23 23:15	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2165655	1	11/07/23 00:51	11/07/23 00:51	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2165708	1	11/07/23 12:57	11/08/23 02:29	DMG	Mt. Juliet, TN

30-7-7 L1674177-03 GW

Collected by
Mary Griggs

Collected date/time
11/03/23 13:45

Received date/time
11/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2165847	1	11/07/23 09:01	11/07/23 09:41	MM	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2015	WG2166401	1	11/07/23 16:28	11/07/23 18:20	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2165530	1	11/08/23 11:22	11/08/23 11:22	BJM	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2166338	1	11/07/23 08:48	11/07/23 16:17	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2166023	1	11/07/23 13:35	11/07/23 13:35	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2165825	1	11/08/23 13:52	11/08/23 13:52	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2165861	10	11/08/23 08:11	11/08/23 08:11	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2166233	1	11/08/23 07:17	11/08/23 11:34	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2165626	1	11/06/23 23:37	11/06/23 23:37	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2165655	1	11/07/23 01:10	11/07/23 01:10	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2165708	1	11/07/23 12:57	11/08/23 02:50	DMG	Mt. Juliet, TN

30-7-8 L1674177-04 GW

Collected by
Mary Griggs

Collected date/time
11/03/23 14:40

Received date/time
11/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2165847	1	11/07/23 09:01	11/07/23 09:41	MM	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2015	WG2166401	1	11/07/23 16:28	11/07/23 18:20	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2165530	1	11/08/23 11:26	11/08/23 11:26	BJM	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2166338	1	11/07/23 08:48	11/07/23 16:18	UNP	Mt. Juliet, TN

SAMPLE SUMMARY

30-7-8 L1674177-04 GW

Collected by
Mary Griggs

Collected date/time
11/03/23 14:40

Received date/time
11/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG2166023	1	11/07/23 13:35	11/07/23 13:35	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG2165825	1	11/08/23 13:52	11/08/23 13:52	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2165861	10	11/08/23 08:40	11/08/23 08:40	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2166233	1	11/08/23 07:17	11/08/23 11:38	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2165626	1	11/06/23 23:59	11/06/23 23:59	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2165655	1	11/07/23 01:29	11/07/23 01:29	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2165708	1	11/07/23 12:57	11/08/23 03:10	DMG	Mt. Juliet, TN

30-7-1 L1674177-05 Solid

Collected by
Mary Griggs

Collected date/time
11/03/23 11:00

Received date/time
11/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 7199	WG2166120	1	11/07/23 11:48	11/09/23 00:13	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2166927	1	11/08/23 10:45	11/08/23 16:39	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2165827	1	11/08/23 08:30	11/08/23 11:53	NTG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2166229	5	11/07/23 14:44	11/07/23 18:25	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2165670	1	11/06/23 17:24	11/07/23 03:28	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2165671	1	11/06/23 17:24	11/07/23 03:43	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2165710	1	11/07/23 08:21	11/07/23 13:00	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2165776	1	11/07/23 08:17	11/08/23 16:39	JCH	Mt. Juliet, TN

30-7-2 L1674177-06 Solid

Collected by
Mary Griggs

Collected date/time
11/03/23 11:30

Received date/time
11/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 7199	WG2166120	1	11/07/23 11:48	11/09/23 00:18	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2166927	1	11/08/23 10:45	11/08/23 16:39	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2165827	1	11/08/23 08:30	11/08/23 11:53	NTG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2166229	5	11/07/23 14:45	11/07/23 18:28	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2165670	1	11/06/23 17:24	11/07/23 03:52	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2165671	1	11/06/23 17:24	11/07/23 04:02	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2165710	1	11/07/23 08:21	11/07/23 13:13	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2165776	1	11/07/23 08:17	11/08/23 17:14	JCH	Mt. Juliet, TN

30-7-3 L1674177-07 Solid

Collected by
Mary Griggs

Collected date/time
11/03/23 11:45

Received date/time
11/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 7199	WG2166120	1	11/07/23 11:48	11/09/23 00:23	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2166927	1	11/08/23 10:45	11/08/23 16:39	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2165827	1	11/08/23 08:30	11/08/23 11:53	NTG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2166229	5	11/07/23 14:44	11/07/23 18:31	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2165670	1	11/06/23 17:24	11/07/23 04:14	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2165671	1	11/06/23 17:24	11/07/23 04:21	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2165710	1	11/07/23 08:21	11/07/23 12:48	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2165776	1	11/07/23 08:17	11/08/23 16:56	JCH	Mt. Juliet, TN



SAMPLE SUMMARY

30-7-4 L1674177-08 Solid

Collected by
Mary Griggs

Collected date/time
11/03/23 12:00

Received date/time
11/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 7199	WG2166120	1	11/07/23 11:48	11/09/23 00:29	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2166927	1	11/08/23 10:45	11/08/23 16:39	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2165827	1	11/08/23 08:30	11/08/23 11:53	NTG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2166229	5	11/07/23 14:44	11/07/23 18:35	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2165670	1	11/06/23 17:24	11/07/23 04:37	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2165671	1	11/06/23 17:24	11/07/23 04:40	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2165710	1	11/07/23 08:21	11/07/23 13:00	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2165776	1	11/07/23 08:17	11/08/23 17:32	JCH	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Gl

⁷Al

⁸Sc

30-7-9 L1674177-09 Solid

Collected by
Mary Griggs

Collected date/time
11/03/23 15:00

Received date/time
11/06/23 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 7199	WG2166120	1	11/07/23 11:48	11/09/23 00:34	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2166927	1	11/08/23 10:45	11/08/23 16:39	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2165827	1	11/08/23 08:30	11/08/23 11:53	NTG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2166229	5	11/07/23 14:44	11/07/23 18:46	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2165670	1	11/06/23 17:24	11/07/23 05:00	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2165671	1	11/06/23 17:24	11/07/23 04:59	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2165710	1	11/07/23 08:21	11/07/23 13:13	KAP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2165776	1	11/07/23 08:17	11/08/23 17:49	JCH	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.

[Preliminary Report]

Chris Ward
Project Manager



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1670		25.0	1	11/07/2023 09:41	WG2165847

Gravimetric Analysis by Method 2540 D-2015

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	30.0		5.00	1	11/07/2023 18:20	WG2166401

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	279		20.0	1	11/08/2023 11:09	WG2165530
Alkalinity,Bicarbonate	279		20.0	1	11/08/2023 11:09	WG2165530
Alkalinity,Carbonate	ND		20.0	1	11/08/2023 11:09	WG2165530

Sample Narrative:

L1674177-01 WG2165530: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus,Total	ND		0.100	1	11/07/2023 16:15	WG2166338

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.70	T8	1	11/07/2023 13:35	WG2166023

Sample Narrative:

L1674177-01 WG2166023: 7.7 at 20C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2240		10.0	1	11/08/2023 13:52	WG2165825

Sample Narrative:

L1674177-01 WG2165825: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Bromide	ND		1.00	1	11/08/2023 07:20	WG2165861
Chloride	27.9		1.00	1	11/08/2023 07:20	WG2165861
Fluoride	1.41		0.150	1	11/08/2023 07:20	WG2165861
Nitrate as (N)	0.196	B T8	0.100	1	11/08/2023 07:20	WG2165861
Nitrite as (N)	ND	T8	0.100	1	11/08/2023 07:20	WG2165861
Sulfate	1040		100	20	11/08/2023 07:33	WG2165861



Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Barium	0.0239		0.00500	1	11/08/2023 12:12	WG2166233
Boron	0.551		0.200	1	11/08/2023 12:12	WG2166233
Calcium	214		1.00	1	11/08/2023 12:12	WG2166233
Iron	0.338		0.100	1	11/08/2023 12:12	WG2166233
Magnesium	126		1.00	1	11/08/2023 12:12	WG2166233
Manganese	0.0268		0.0100	1	11/08/2023 12:12	WG2166233
Potassium	3.61		2.00	1	11/08/2023 12:12	WG2166233
Selenium	ND		0.0100	1	11/08/2023 12:12	WG2166233
Sodium	149		3.00	1	11/08/2023 12:12	WG2166233
Strontium	5.22		0.0100	1	11/08/2023 12:12	WG2166233

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Gl⁷ Al⁸ Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	11/06/2023 22:53	WG2165626
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	105		78.0-120		11/06/2023 22:53	WG2165626

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	11/07/2023 00:32	WG2165655
Toluene	ND		0.00100	1	11/07/2023 00:32	WG2165655
Ethylbenzene	ND		0.00100	1	11/07/2023 00:32	WG2165655
Xylenes, Total	ND		0.00300	1	11/07/2023 00:32	WG2165655
1,2,4-Trimethylbenzene	ND		0.00100	1	11/07/2023 00:32	WG2165655
1,3,5-Trimethylbenzene	ND		0.00100	1	11/07/2023 00:32	WG2165655
(S) Toluene-d8	105		80.0-120		11/07/2023 00:32	WG2165655
(S) 4-Bromofluorobenzene	96.3		77.0-126		11/07/2023 00:32	WG2165655
(S) 1,2-Dichloroethane-d4	114		70.0-130		11/07/2023 00:32	WG2165655

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND	J3 J4	0.100	1	11/08/2023 02:09	WG2165708
C28-C36 Motor Oil Range	ND		0.100	1	11/08/2023 02:09	WG2165708
(S) <i>o</i> -Terphenyl	90.5		52.0-156		11/08/2023 02:09	WG2165708

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1650		50.0	1	11/07/2023 09:41	WG2165847

Gravimetric Analysis by Method 2540 D-2015

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	27.4		3.48	1	11/07/2023 18:20	WG2166401

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	282		20.0	1	11/08/2023 11:17	WG2165530
Alkalinity,Bicarbonate	282		20.0	1	11/08/2023 11:17	WG2165530
Alkalinity,Carbonate	ND		20.0	1	11/08/2023 11:17	WG2165530

Sample Narrative:

L1674177-02 WG2165530: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus,Total	ND		0.100	1	11/07/2023 16:16	WG2166338

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.80	T8	1	11/07/2023 13:35	WG2166023

Sample Narrative:

L1674177-02 WG2166023: 7.8 at 19.5C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2580		10.0	1	11/08/2023 13:52	WG2165825

Sample Narrative:

L1674177-02 WG2165825: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Bromide	ND		10.0	10	11/08/2023 07:46	WG2165861
Chloride	27.7		10.0	10	11/08/2023 07:46	WG2165861
Fluoride	1.55		1.50	10	11/08/2023 07:46	WG2165861
Nitrate as (N)	2.75	B T8	1.00	10	11/08/2023 07:46	WG2165861
Nitrite as (N)	ND	T8	1.00	10	11/08/2023 07:46	WG2165861
Sulfate	1250		50.0	10	11/08/2023 07:46	WG2165861



Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Barium	0.0219		0.00500	1	11/08/2023 11:31	WG2166233
Boron	0.651		0.200	1	11/08/2023 11:31	WG2166233
Calcium	240		1.00	1	11/08/2023 11:31	WG2166233
Iron	0.318		0.100	1	11/08/2023 11:31	WG2166233
Magnesium	147		1.00	1	11/08/2023 11:31	WG2166233
Manganese	0.0564		0.0100	1	11/08/2023 11:31	WG2166233
Potassium	3.52		2.00	1	11/08/2023 11:31	WG2166233
Selenium	ND		0.0100	1	11/08/2023 11:31	WG2166233
Sodium	182		3.00	1	11/08/2023 11:31	WG2166233
Strontium	5.81		0.0100	1	11/08/2023 11:31	WG2166233

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Gl⁷ Al⁸ Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	11/06/2023 23:15	WG2165626
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	105		78.0-120		11/06/2023 23:15	WG2165626

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	11/07/2023 00:51	WG2165655
Toluene	ND		0.00100	1	11/07/2023 00:51	WG2165655
Ethylbenzene	ND		0.00100	1	11/07/2023 00:51	WG2165655
Xylenes, Total	ND		0.00300	1	11/07/2023 00:51	WG2165655
1,2,4-Trimethylbenzene	ND		0.00100	1	11/07/2023 00:51	WG2165655
1,3,5-Trimethylbenzene	ND		0.00100	1	11/07/2023 00:51	WG2165655
(S) Toluene-d8	104		80.0-120		11/07/2023 00:51	WG2165655
(S) 4-Bromofluorobenzene	92.6		77.0-126		11/07/2023 00:51	WG2165655
(S) 1,2-Dichloroethane-d4	115		70.0-130		11/07/2023 00:51	WG2165655

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND	J3 J4	0.100	1	11/08/2023 02:29	WG2165708
C28-C36 Motor Oil Range	ND		0.100	1	11/08/2023 02:29	WG2165708
(S) <i>o</i> -Terphenyl	98.4		52.0-156		11/08/2023 02:29	WG2165708

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2040		50.0	1	11/07/2023 09:41	WG2165847

Gravimetric Analysis by Method 2540 D-2015

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	24.3		3.43	1	11/07/2023 18:20	WG2166401

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	295		20.0	1	11/08/2023 11:22	WG2165530
Alkalinity,Bicarbonate	295		20.0	1	11/08/2023 11:22	WG2165530
Alkalinity,Carbonate	ND		20.0	1	11/08/2023 11:22	WG2165530

Sample Narrative:

L1674177-03 WG2165530: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus,Total	ND		0.100	1	11/07/2023 16:17	WG2166338

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.07	T8	1	11/07/2023 13:35	WG2166023

Sample Narrative:

L1674177-03 WG2166023: 8.07 at 19.3C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2840		10.0	1	11/08/2023 13:52	WG2165825

Sample Narrative:

L1674177-03 WG2165825: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Bromide	ND		10.0	10	11/08/2023 08:11	WG2165861
Chloride	37.6		10.0	10	11/08/2023 08:11	WG2165861
Fluoride	1.69		1.50	10	11/08/2023 08:11	WG2165861
Nitrate as (N)	3.59	B T8	1.00	10	11/08/2023 08:11	WG2165861
Nitrite as (N)	ND	T8	1.00	10	11/08/2023 08:11	WG2165861
Sulfate	1450		50.0	10	11/08/2023 08:11	WG2165861



Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Barium	0.0324		0.00500	1	11/08/2023 11:34	WG2166233
Boron	0.733		0.200	1	11/08/2023 11:34	WG2166233
Calcium	262		1.00	1	11/08/2023 11:34	WG2166233
Iron	0.655		0.100	1	11/08/2023 11:34	WG2166233
Magnesium	162		1.00	1	11/08/2023 11:34	WG2166233
Manganese	0.0887		0.0100	1	11/08/2023 11:34	WG2166233
Potassium	3.78		2.00	1	11/08/2023 11:34	WG2166233
Selenium	ND		0.0100	1	11/08/2023 11:34	WG2166233
Sodium	219		3.00	1	11/08/2023 11:34	WG2166233
Strontium	6.41		0.0100	1	11/08/2023 11:34	WG2166233

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Gl

7 Al

8 Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	11/06/2023 23:37	WG2165626
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	105		78.0-120		11/06/2023 23:37	WG2165626

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	11/07/2023 01:10	WG2165655
Toluene	ND		0.00100	1	11/07/2023 01:10	WG2165655
Ethylbenzene	ND		0.00100	1	11/07/2023 01:10	WG2165655
Xylenes, Total	ND		0.00300	1	11/07/2023 01:10	WG2165655
1,2,4-Trimethylbenzene	ND		0.00100	1	11/07/2023 01:10	WG2165655
1,3,5-Trimethylbenzene	ND		0.00100	1	11/07/2023 01:10	WG2165655
(S) Toluene-d8	107		80.0-120		11/07/2023 01:10	WG2165655
(S) 4-Bromofluorobenzene	94.2		77.0-126		11/07/2023 01:10	WG2165655
(S) 1,2-Dichloroethane-d4	116		70.0-130		11/07/2023 01:10	WG2165655

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND	J3 J4	0.100	1	11/08/2023 02:50	WG2165708
C28-C36 Motor Oil Range	ND		0.100	1	11/08/2023 02:50	WG2165708
(S) <i>o</i> -Terphenyl	96.3		52.0-156		11/08/2023 02:50	WG2165708

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1900		50.0	1	11/07/2023 09:41	WG2165847

Gravimetric Analysis by Method 2540 D-2015

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	22.6		2.95	1	11/07/2023 18:20	WG2166401

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity	256		20.0	1	11/08/2023 11:26	WG2165530
Alkalinity,Bicarbonate	256		20.0	1	11/08/2023 11:26	WG2165530
Alkalinity,Carbonate	ND		20.0	1	11/08/2023 11:26	WG2165530

Sample Narrative:

L1674177-04 WG2165530: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus,Total	ND		0.100	1	11/07/2023 16:18	WG2166338

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.80	T8	1	11/07/2023 13:35	WG2166023

Sample Narrative:

L1674177-04 WG2166023: 7.8 at 19.3C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2860		10.0	1	11/08/2023 13:52	WG2165825

Sample Narrative:

L1674177-04 WG2165825: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Bromide	ND		10.0	10	11/08/2023 08:40	WG2165861
Chloride	36.7		10.0	10	11/08/2023 08:40	WG2165861
Fluoride	1.59		1.50	10	11/08/2023 08:40	WG2165861
Nitrate as (N)	3.18	B T8	1.00	10	11/08/2023 08:40	WG2165861
Nitrite as (N)	ND	T8	1.00	10	11/08/2023 08:40	WG2165861
Sulfate	1500		50.0	10	11/08/2023 08:40	WG2165861



Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Barium	0.0352		0.00500	1	11/08/2023 11:38	WG2166233
Boron	0.707		0.200	1	11/08/2023 11:38	WG2166233
Calcium	277		1.00	1	11/08/2023 11:38	WG2166233
Iron	0.651		0.100	1	11/08/2023 11:38	WG2166233
Magnesium	163		1.00	1	11/08/2023 11:38	WG2166233
Manganese	0.124		0.0100	1	11/08/2023 11:38	WG2166233
Potassium	3.78		2.00	1	11/08/2023 11:38	WG2166233
Selenium	ND		0.0100	1	11/08/2023 11:38	WG2166233
Sodium	209		3.00	1	11/08/2023 11:38	WG2166233
Strontium	6.69		0.0100	1	11/08/2023 11:38	WG2166233

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Gl⁷ Al⁸ Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	11/06/2023 23:59	WG2165626
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	105		78.0-120		11/06/2023 23:59	WG2165626

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	11/07/2023 01:29	WG2165655
Toluene	ND		0.00100	1	11/07/2023 01:29	WG2165655
Ethylbenzene	ND		0.00100	1	11/07/2023 01:29	WG2165655
Xylenes, Total	ND		0.00300	1	11/07/2023 01:29	WG2165655
1,2,4-Trimethylbenzene	ND		0.00100	1	11/07/2023 01:29	WG2165655
1,3,5-Trimethylbenzene	ND		0.00100	1	11/07/2023 01:29	WG2165655
(S) Toluene-d8	104		80.0-120		11/07/2023 01:29	WG2165655
(S) 4-Bromofluorobenzene	93.9		77.0-126		11/07/2023 01:29	WG2165655
(S) 1,2-Dichloroethane-d4	116		70.0-130		11/07/2023 01:29	WG2165655

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND	J3 J4	0.100	1	11/08/2023 03:10	WG2165708
C28-C36 Motor Oil Range	ND		0.100	1	11/08/2023 03:10	WG2165708
(S) <i>o</i> -Terphenyl	104		52.0-156		11/08/2023 03:10	WG2165708

30-7-1

Collected date/time: 11/03/23 11:00

SAMPLE RESULTS - 05

L1674177

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.00	1	11/09/2023 00:13	WG2166120

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.69	T8	1	11/08/2023 16:39	WG2166927

Sample Narrative:

L1674177-05 WG2166927: 7.69 at 21.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm		date / time	
Specific Conductance	6750		10.0	1	11/08/2023 11:53	WG2165827

Sample Narrative:

L1674177-05 WG2165827: at 25C

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	6.14		1.00	5	11/07/2023 18:25	WG2166229
Barium	112		2.50	5	11/07/2023 18:25	WG2166229
Cadmium	ND		1.00	5	11/07/2023 18:25	WG2166229
Copper	12.3		5.00	5	11/07/2023 18:25	WG2166229
Lead	10.2		2.00	5	11/07/2023 18:25	WG2166229
Nickel	13.9		2.50	5	11/07/2023 18:25	WG2166229
Selenium	ND		2.50	5	11/07/2023 18:25	WG2166229
Silver	ND		0.500	5	11/07/2023 18:25	WG2166229
Zinc	46.1		25.0	5	11/07/2023 18:25	WG2166229

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.100	1	11/07/2023 03:28	WG2165670
(S) a,a,a-Trifluorotoluene(FID)	91.1		77.0-120		11/07/2023 03:28	WG2165670

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00100	1	11/07/2023 03:43	WG2165671
Toluene	ND		0.00500	1	11/07/2023 03:43	WG2165671
Ethylbenzene	ND		0.00250	1	11/07/2023 03:43	WG2165671
Xylenes, Total	ND		0.00650	1	11/07/2023 03:43	WG2165671
1,2,4-Trimethylbenzene	ND		0.00500	1	11/07/2023 03:43	WG2165671
1,3,5-Trimethylbenzene	ND		0.00500	1	11/07/2023 03:43	WG2165671
(S) Toluene-d8	108		75.0-131		11/07/2023 03:43	WG2165671
(S) 4-Bromofluorobenzene	106		67.0-138		11/07/2023 03:43	WG2165671
(S) 1,2-Dichloroethane-d4	94.6		70.0-130		11/07/2023 03:43	WG2165671



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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	11/07/2023 13:00	WG2165710
C28-C36 Motor Oil Range	16.0		4.00	1	11/07/2023 13:00	WG2165710
(S) o-Terphenyl	70.4		18.0-148		11/07/2023 13:00	WG2165710

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00600	1	11/08/2023 16:39	WG2165776
Anthracene	ND		0.00600	1	11/08/2023 16:39	WG2165776
Benzo(a)anthracene	ND		0.00600	1	11/08/2023 16:39	WG2165776
Benzo(b)fluoranthene	ND		0.00600	1	11/08/2023 16:39	WG2165776
Benzo(k)fluoranthene	ND		0.00600	1	11/08/2023 16:39	WG2165776
Benzo(a)pyrene	ND		0.00600	1	11/08/2023 16:39	WG2165776
Chrysene	ND		0.00600	1	11/08/2023 16:39	WG2165776
Dibenz(a,h)anthracene	ND		0.00600	1	11/08/2023 16:39	WG2165776
Fluoranthene	ND		0.00600	1	11/08/2023 16:39	WG2165776
Fluorene	ND		0.00600	1	11/08/2023 16:39	WG2165776
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	11/08/2023 16:39	WG2165776
1-Methylnaphthalene	ND		0.0200	1	11/08/2023 16:39	WG2165776
2-Methylnaphthalene	ND		0.0200	1	11/08/2023 16:39	WG2165776
Naphthalene	ND		0.0200	1	11/08/2023 16:39	WG2165776
Pyrene	ND		0.00600	1	11/08/2023 16:39	WG2165776
(S) p-Terphenyl-d14	59.8		23.0-120		11/08/2023 16:39	WG2165776
(S) Nitrobenzene-d5	74.3		14.0-149		11/08/2023 16:39	WG2165776
(S) 2-Fluorobiphenyl	61.3		34.0-125		11/08/2023 16:39	WG2165776

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Gl

7 Al

8 Sc

30-7-2

Collected date/time: 11/03/23 11:30

SAMPLE RESULTS - 06

L1674177

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.00	1	11/09/2023 00:18	WG2166120

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.67	T8	1	11/08/2023 16:39	WG2166927

Sample Narrative:

L1674177-06 WG2166927: 7.67 at 21.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm		date / time	
Specific Conductance	3480		10.0	1	11/08/2023 11:53	WG2165827

Sample Narrative:

L1674177-06 WG2165827: at 25C

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	4.99		1.00	5	11/07/2023 18:28	WG2166229
Barium	84.2		2.50	5	11/07/2023 18:28	WG2166229
Cadmium	ND		1.00	5	11/07/2023 18:28	WG2166229
Copper	6.78		5.00	5	11/07/2023 18:28	WG2166229
Lead	6.77		2.00	5	11/07/2023 18:28	WG2166229
Nickel	8.10		2.50	5	11/07/2023 18:28	WG2166229
Selenium	ND		2.50	5	11/07/2023 18:28	WG2166229
Silver	ND		0.500	5	11/07/2023 18:28	WG2166229
Zinc	29.6		25.0	5	11/07/2023 18:28	WG2166229

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.100	1	11/07/2023 03:52	WG2165670
(S) a,a,a-Trifluorotoluene(FID)	91.9		77.0-120		11/07/2023 03:52	WG2165670

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00100	1	11/07/2023 04:02	WG2165671
Toluene	ND		0.00500	1	11/07/2023 04:02	WG2165671
Ethylbenzene	ND		0.00250	1	11/07/2023 04:02	WG2165671
Xylenes, Total	ND		0.00650	1	11/07/2023 04:02	WG2165671
1,2,4-Trimethylbenzene	ND		0.00500	1	11/07/2023 04:02	WG2165671
1,3,5-Trimethylbenzene	ND		0.00500	1	11/07/2023 04:02	WG2165671
(S) Toluene-d8	108		75.0-131		11/07/2023 04:02	WG2165671
(S) 4-Bromofluorobenzene	105		67.0-138		11/07/2023 04:02	WG2165671
(S) 1,2-Dichloroethane-d4	96.9		70.0-130		11/07/2023 04:02	WG2165671



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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	11/07/2023 13:13	WG2165710
C28-C36 Motor Oil Range	ND		4.00	1	11/07/2023 13:13	WG2165710
(S) o-Terphenyl	41.5		18.0-148		11/07/2023 13:13	WG2165710

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00600	1	11/08/2023 17:14	WG2165776
Anthracene	ND		0.00600	1	11/08/2023 17:14	WG2165776
Benzo(a)anthracene	ND		0.00600	1	11/08/2023 17:14	WG2165776
Benzo(b)fluoranthene	ND		0.00600	1	11/08/2023 17:14	WG2165776
Benzo(k)fluoranthene	ND		0.00600	1	11/08/2023 17:14	WG2165776
Benzo(a)pyrene	ND		0.00600	1	11/08/2023 17:14	WG2165776
Chrysene	ND		0.00600	1	11/08/2023 17:14	WG2165776
Dibenz(a,h)anthracene	ND		0.00600	1	11/08/2023 17:14	WG2165776
Fluoranthene	ND		0.00600	1	11/08/2023 17:14	WG2165776
Fluorene	ND		0.00600	1	11/08/2023 17:14	WG2165776
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	11/08/2023 17:14	WG2165776
1-Methylnaphthalene	ND		0.0200	1	11/08/2023 17:14	WG2165776
2-Methylnaphthalene	ND		0.0200	1	11/08/2023 17:14	WG2165776
Naphthalene	ND		0.0200	1	11/08/2023 17:14	WG2165776
Pyrene	ND		0.00600	1	11/08/2023 17:14	WG2165776
(S) p-Terphenyl-d14	63.9		23.0-120		11/08/2023 17:14	WG2165776
(S) Nitrobenzene-d5	79.5		14.0-149		11/08/2023 17:14	WG2165776
(S) 2-Fluorobiphenyl	65.7		34.0-125		11/08/2023 17:14	WG2165776

1
Cp2
Tc3
Ss4
Cn5
Sr6
Gl7
Al8
Sc

30-7-3

Collected date/time: 11/03/23 11:45

SAMPLE RESULTS - 07

L1674177

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.00	1	11/09/2023 00:23	WG2166120

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.94	T8	1	11/08/2023 16:39	WG2166927

Sample Narrative:

L1674177-07 WG2166927: 7.94 at 21.6C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm		date / time	
Specific Conductance	692		10.0	1	11/08/2023 11:53	WG2165827

Sample Narrative:

L1674177-07 WG2165827: at 25C

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	5.30		1.00	5	11/07/2023 18:31	WG2166229
Barium	111		2.50	5	11/07/2023 18:31	WG2166229
Cadmium	ND		1.00	5	11/07/2023 18:31	WG2166229
Copper	10.9		5.00	5	11/07/2023 18:31	WG2166229
Lead	8.85		2.00	5	11/07/2023 18:31	WG2166229
Nickel	12.3		2.50	5	11/07/2023 18:31	WG2166229
Selenium	ND		2.50	5	11/07/2023 18:31	WG2166229
Silver	ND		0.500	5	11/07/2023 18:31	WG2166229
Zinc	41.8		25.0	5	11/07/2023 18:31	WG2166229

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.100	1	11/07/2023 04:14	WG2165670
(S) a,a,a-Trifluorotoluene(FID)	92.2		77.0-120		11/07/2023 04:14	WG2165670

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00100	1	11/07/2023 04:21	WG2165671
Toluene	ND		0.00500	1	11/07/2023 04:21	WG2165671
Ethylbenzene	ND		0.00250	1	11/07/2023 04:21	WG2165671
Xylenes, Total	ND		0.00650	1	11/07/2023 04:21	WG2165671
1,2,4-Trimethylbenzene	ND		0.00500	1	11/07/2023 04:21	WG2165671
1,3,5-Trimethylbenzene	ND		0.00500	1	11/07/2023 04:21	WG2165671
(S) Toluene-d8	106		75.0-131		11/07/2023 04:21	WG2165671
(S) 4-Bromofluorobenzene	104		67.0-138		11/07/2023 04:21	WG2165671
(S) 1,2-Dichloroethane-d4	97.4		70.0-130		11/07/2023 04:21	WG2165671



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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	11/07/2023 12:48	WG2165710
C28-C36 Motor Oil Range	ND		4.00	1	11/07/2023 12:48	WG2165710
(S) o-Terphenyl	63.9		18.0-148		11/07/2023 12:48	WG2165710

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00600	1	11/08/2023 16:56	WG2165776
Anthracene	ND		0.00600	1	11/08/2023 16:56	WG2165776
Benzo(a)anthracene	ND		0.00600	1	11/08/2023 16:56	WG2165776
Benzo(b)fluoranthene	ND		0.00600	1	11/08/2023 16:56	WG2165776
Benzo(k)fluoranthene	ND		0.00600	1	11/08/2023 16:56	WG2165776
Benzo(a)pyrene	ND		0.00600	1	11/08/2023 16:56	WG2165776
Chrysene	ND		0.00600	1	11/08/2023 16:56	WG2165776
Dibenz(a,h)anthracene	ND		0.00600	1	11/08/2023 16:56	WG2165776
Fluoranthene	ND		0.00600	1	11/08/2023 16:56	WG2165776
Fluorene	ND		0.00600	1	11/08/2023 16:56	WG2165776
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	11/08/2023 16:56	WG2165776
1-Methylnaphthalene	ND		0.0200	1	11/08/2023 16:56	WG2165776
2-Methylnaphthalene	ND		0.0200	1	11/08/2023 16:56	WG2165776
Naphthalene	ND		0.0200	1	11/08/2023 16:56	WG2165776
Pyrene	ND		0.00600	1	11/08/2023 16:56	WG2165776
(S) p-Terphenyl-d14	58.7		23.0-120		11/08/2023 16:56	WG2165776
(S) Nitrobenzene-d5	76.5		14.0-149		11/08/2023 16:56	WG2165776
(S) 2-Fluorobiphenyl	50.1		34.0-125		11/08/2023 16:56	WG2165776

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Gl

7 Al

8 Sc

30-7-4

Collected date/time: 11/03/23 12:00

SAMPLE RESULTS - 08

L1674177

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.00	1	11/09/2023 00:29	WG2166120

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.74	T8	1	11/08/2023 16:39	WG2166927

Sample Narrative:

L1674177-08 WG2166927: 7.74 at 21.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm		date / time	
Specific Conductance	3190		10.0	1	11/08/2023 11:53	WG2165827

Sample Narrative:

L1674177-08 WG2165827: at 25C

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	5.73		1.00	5	11/07/2023 18:35	WG2166229
Barium	94.1		2.50	5	11/07/2023 18:35	WG2166229
Cadmium	ND		1.00	5	11/07/2023 18:35	WG2166229
Copper	8.81		5.00	5	11/07/2023 18:35	WG2166229
Lead	7.61		2.00	5	11/07/2023 18:35	WG2166229
Nickel	9.96		2.50	5	11/07/2023 18:35	WG2166229
Selenium	ND		2.50	5	11/07/2023 18:35	WG2166229
Silver	ND		0.500	5	11/07/2023 18:35	WG2166229
Zinc	35.4		25.0	5	11/07/2023 18:35	WG2166229

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.100	1	11/07/2023 04:37	WG2165670
(S) a,a,a-Trifluorotoluene(FID)	91.9		77.0-120		11/07/2023 04:37	WG2165670

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00100	1	11/07/2023 04:40	WG2165671
Toluene	ND		0.00500	1	11/07/2023 04:40	WG2165671
Ethylbenzene	ND		0.00250	1	11/07/2023 04:40	WG2165671
Xylenes, Total	ND		0.00650	1	11/07/2023 04:40	WG2165671
1,2,4-Trimethylbenzene	ND		0.00500	1	11/07/2023 04:40	WG2165671
1,3,5-Trimethylbenzene	ND		0.00500	1	11/07/2023 04:40	WG2165671
(S) Toluene-d8	107		75.0-131		11/07/2023 04:40	WG2165671
(S) 4-Bromofluorobenzene	106		67.0-138		11/07/2023 04:40	WG2165671
(S) 1,2-Dichloroethane-d4	98.4		70.0-130		11/07/2023 04:40	WG2165671



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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	11/07/2023 13:00	WG2165710
C28-C36 Motor Oil Range	ND		4.00	1	11/07/2023 13:00	WG2165710
(S) o-Terphenyl	44.5		18.0-148		11/07/2023 13:00	WG2165710

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00600	1	11/08/2023 17:32	WG2165776
Anthracene	ND		0.00600	1	11/08/2023 17:32	WG2165776
Benzo(a)anthracene	ND		0.00600	1	11/08/2023 17:32	WG2165776
Benzo(b)fluoranthene	ND		0.00600	1	11/08/2023 17:32	WG2165776
Benzo(k)fluoranthene	ND		0.00600	1	11/08/2023 17:32	WG2165776
Benzo(a)pyrene	ND		0.00600	1	11/08/2023 17:32	WG2165776
Chrysene	ND		0.00600	1	11/08/2023 17:32	WG2165776
Dibenz(a,h)anthracene	ND		0.00600	1	11/08/2023 17:32	WG2165776
Fluoranthene	ND		0.00600	1	11/08/2023 17:32	WG2165776
Fluorene	ND		0.00600	1	11/08/2023 17:32	WG2165776
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	11/08/2023 17:32	WG2165776
1-Methylnaphthalene	ND		0.0200	1	11/08/2023 17:32	WG2165776
2-Methylnaphthalene	ND		0.0200	1	11/08/2023 17:32	WG2165776
Naphthalene	ND		0.0200	1	11/08/2023 17:32	WG2165776
Pyrene	ND		0.00600	1	11/08/2023 17:32	WG2165776
(S) p-Terphenyl-d14	46.9		23.0-120		11/08/2023 17:32	WG2165776
(S) Nitrobenzene-d5	73.0		14.0-149		11/08/2023 17:32	WG2165776
(S) 2-Fluorobiphenyl	32.6	J2	34.0-125		11/08/2023 17:32	WG2165776

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Gl

7 Al

8 Sc

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Hexavalent Chromium	ND		1.00	1	11/09/2023 00:34	WG2166120

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.51	T8	1	11/08/2023 16:39	WG2166927

Sample Narrative:

L1674177-09 WG2166927: 7.51 at 21.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm		date / time	
Specific Conductance	994		10.0	1	11/08/2023 11:53	WG2165827

Sample Narrative:

L1674177-09 WG2165827: at 25C

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	3.33		1.00	5	11/07/2023 18:46	WG2166229
Barium	43.8		2.50	5	11/07/2023 18:46	WG2166229
Cadmium	ND		1.00	5	11/07/2023 18:46	WG2166229
Copper	8.58		5.00	5	11/07/2023 18:46	WG2166229
Lead	6.08		2.00	5	11/07/2023 18:46	WG2166229
Nickel	6.78		2.50	5	11/07/2023 18:46	WG2166229
Selenium	7.65		2.50	5	11/07/2023 18:46	WG2166229
Silver	ND		0.500	5	11/07/2023 18:46	WG2166229
Zinc	30.0		25.0	5	11/07/2023 18:46	WG2166229

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.100	1	11/07/2023 05:00	WG2165670
(S) a,a,a-Trifluorotoluene(FID)	90.8		77.0-120		11/07/2023 05:00	WG2165670

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.00100	1	11/07/2023 04:59	WG2165671
Toluene	ND		0.00500	1	11/07/2023 04:59	WG2165671
Ethylbenzene	ND		0.00250	1	11/07/2023 04:59	WG2165671
Xylenes, Total	ND		0.00650	1	11/07/2023 04:59	WG2165671
1,2,4-Trimethylbenzene	ND		0.00500	1	11/07/2023 04:59	WG2165671
1,3,5-Trimethylbenzene	ND		0.00500	1	11/07/2023 04:59	WG2165671
(S) Toluene-d8	107		75.0-131		11/07/2023 04:59	WG2165671
(S) 4-Bromofluorobenzene	104		67.0-138		11/07/2023 04:59	WG2165671
(S) 1,2-Dichloroethane-d4	94.7		70.0-130		11/07/2023 04:59	WG2165671

1Cp

2Tc

3Ss

4Cn

5Sr

6Gl

7Al

8Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	11/07/2023 13:13	WG2165710
C28-C36 Motor Oil Range	ND		4.00	1	11/07/2023 13:13	WG2165710
(S) o-Terphenyl	55.7		18.0-148		11/07/2023 13:13	WG2165710

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00600	1	11/08/2023 17:49	WG2165776
Anthracene	ND		0.00600	1	11/08/2023 17:49	WG2165776
Benzo(a)anthracene	ND		0.00600	1	11/08/2023 17:49	WG2165776
Benzo(b)fluoranthene	ND		0.00600	1	11/08/2023 17:49	WG2165776
Benzo(k)fluoranthene	ND		0.00600	1	11/08/2023 17:49	WG2165776
Benzo(a)pyrene	ND		0.00600	1	11/08/2023 17:49	WG2165776
Chrysene	ND		0.00600	1	11/08/2023 17:49	WG2165776
Dibenz(a,h)anthracene	ND		0.00600	1	11/08/2023 17:49	WG2165776
Fluoranthene	ND		0.00600	1	11/08/2023 17:49	WG2165776
Fluorene	ND		0.00600	1	11/08/2023 17:49	WG2165776
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	11/08/2023 17:49	WG2165776
1-Methylnaphthalene	ND		0.0200	1	11/08/2023 17:49	WG2165776
2-Methylnaphthalene	ND		0.0200	1	11/08/2023 17:49	WG2165776
Naphthalene	ND		0.0200	1	11/08/2023 17:49	WG2165776
Pyrene	ND		0.00600	1	11/08/2023 17:49	WG2165776
(S) p-Terphenyl-d14	50.7		23.0-120		11/08/2023 17:49	WG2165776
(S) Nitrobenzene-d5	62.1		14.0-149		11/08/2023 17:49	WG2165776
(S) 2-Fluorobiphenyl	43.0		34.0-125		11/08/2023 17:49	WG2165776

1Cp

2Tc

3Ss

4Cn

5Sr

6Gl

7Al

8Sc

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

ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
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.
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.
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.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
T8	Sample(s) received past/too close to holding time expiration.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



Company Name/Address:
Prospect Energy LLC

1036 Country Club Drive
Castle Rock, CO 80108

Report to:
Mary Griggs

Project Description:
MSU 30-7 Spill

Phone: **303-912-8292**

Collected by (print):
Mary Griggs

Collected by (signature):
Mary Griggs

Immediately
Packed on Ice N ☐ Y ☐

Billing Information:
Mary Griggs
1036 Country Club Drive
Castle Rock, CO 80108

Email To:
griggs.mary@comcast.net;prospectenergy@iclo

City/State
Collected:

Please Circle:
PT MT CT ET

Client Project #
30-7

Site/Facility ID #

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

No.
of
Cntrs

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

30-7-5

6

GW

—

11/3/23

13:00

14

30-7-6

6

GW

—

11/3/23

13:30

14

30-7-7

6

GW

—

11/3/23

13:45

14

30-7-8

6

GW

—

11/3/23

14:18

14

GW

14

GW

14

GW

14

GW

14

SS

3

SS

3

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

Remarks: *Do these 1st
Table 915-1 (COGCC)*

Samples returned via:
☐ UPS ☐ FedEx ☐ Courier

Tracking #
7123 3304 6715 Mon PD

pH Temp
Flow Other

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)
Mary Griggs

Date:
11/3/23

Time:
6 PM

Received by: (Signature)

Trip Blank Received: Yes / No
TDAB
HCL / MeOH
TBR

Relinquished by : (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C
14.1 ± 0.1 = 14.1 °C

Bottles Received:
56

If preservation required by Login: Date/Time

Relinquished by : (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:
11-6-23

Time:
1000

Hold:

Condition:
NCF / OK

Chain of Custody
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 #
L1674177

Table #
#1

Acctnum: **PROENECRCO**

Template: **T241230**

Prelogin: **P1035340**

PM: **824 - Chris Ward**

Shipped Via: **FedEX Ground**

Remarks

Sample # (lab only)

[illegible]

11/6-NCF-L1674177 PRONECRCO TD

Ro/R1

Time estimate: oh

Time spent: oh

Members

 Troy Dunlap (responsible)  CW Chris Ward  SG Shane Gambill

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

Comments

<i>Troy Dunlap</i>	6 November 2023 11:15 AM
1.) Received out of temperature at 14.1°C, 16.1°C and 15.0°C. FedEx Saturday Shipping Label. 2.) NITRATE and NITRITE are out of hold. 3.) Client is requesting Same Day Rush. Please confirm if same Day is needed.	
<i>Shane Gambill</i>	6 November 2023 12:51 PM
1) Run samples outside of temperature. 2) Run Nitrate and Nitrite out of holding time. 3) Please run as R2 due 11/08	
<i>Troy Dunlap</i>	6 November 2023 2:09 PM
Done.	