

Caerus Oil and Gas

Sample Delivery Group: L1612975
Samples Received: 05/05/2023
Project Number: LOVE RANCH 8
Description: Love Ranch 8
Site: LOVE RANCH 8
Report To: Brett M. , Jake J. , Blair R.
143 Diamond Avenue
Parachute, CO 81635

Entire Report Reviewed By:



Chris Ward
Project Manager

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Pace Analytical National

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

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

SAMPLE SUMMARY

20230504-LOVE RANCH 8-(ST-PC-UG01) L1612975-01 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 09:00

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055326	1	05/06/23 00:45	05/06/23 04:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 00:11	05/09/23 00:11	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 10:00	05/06/23 10:00	JAH	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

20230504-LOVE RANCH 8-(ST-PC-UG02) L1612975-02 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 08:55

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055326	1	05/06/23 00:45	05/06/23 04:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 00:25	05/09/23 00:25	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 10:19	05/06/23 10:19	JAH	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-UG03) L1612975-03 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 08:50

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055326	1	05/06/23 00:45	05/06/23 04:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 00:39	05/09/23 00:39	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 10:38	05/06/23 10:38	JAH	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-POR) L1612975-04 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 09:05

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055326	1	05/06/23 00:45	05/06/23 04:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 01:33	05/09/23 01:33	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 10:57	05/06/23 10:57	JAH	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-DG01) L1612975-05 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 09:40

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055326	1	05/06/23 00:45	05/06/23 04:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 02:14	05/09/23 02:14	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 11:16	05/06/23 11:16	JAH	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-DG02) L1612975-06 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 09:47

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055326	1	05/06/23 00:45	05/06/23 04:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 02:27	05/09/23 02:27	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 11:34	05/06/23 11:34	JAH	Mt. Juliet, TN

SAMPLE SUMMARY

20230504-LOVE RANCH 8-(ST-PC-DG03) L1612975-07 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 09:55

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055326	1	05/06/23 00:45	05/06/23 04:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 02:41	05/09/23 02:41	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 11:54	05/06/23 11:54	JAH	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-DG04) L1612975-08 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 10:00

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055326	1	05/06/23 00:45	05/06/23 04:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 02:55	05/09/23 02:55	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 12:12	05/06/23 12:12	JAH	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-DG05) L1612975-09 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 10:05

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055326	1	05/06/23 00:45	05/06/23 04:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 03:08	05/09/23 03:08	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 12:31	05/06/23 12:31	JAH	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-DG06) L1612975-10 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 10:10

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055326	1	05/06/23 00:45	05/06/23 04:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 03:22	05/09/23 03:22	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 12:50	05/06/23 12:50	JAH	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-DG07) L1612975-11 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 10:15

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055326	1	05/06/23 00:45	05/06/23 04:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 03:35	05/09/23 03:35	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 13:09	05/06/23 13:09	JAH	Mt. Juliet, TN

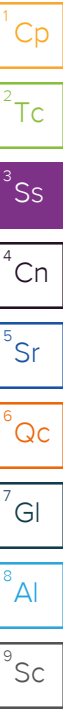
20230504-LOVE RANCH 8-(ST-PC-DG08) L1612975-12 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 10:30

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055326	1	05/06/23 00:45	05/06/23 04:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 03:49	05/09/23 03:49	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 13:29	05/06/23 13:29	JAH	Mt. Juliet, TN



SAMPLE SUMMARY

20230504-LOVE RANCH 8-(ST-PC-DG09) L1612975-13 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 10:35

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055326	1	05/06/23 00:45	05/06/23 04:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 04:03	05/09/23 04:03	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 13:48	05/06/23 13:48	JAH	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

20230504-LOVE RANCH 8-(ST-PC-DG010) L1612975-14 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 10:40

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055326	1	05/06/23 00:45	05/06/23 04:09	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 04:16	05/09/23 04:16	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 14:07	05/06/23 14:07	JAH	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-DG011) L1612975-15 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 10:45

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055327	1	05/06/23 00:46	05/06/23 05:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 04:57	05/09/23 04:57	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 14:26	05/06/23 14:26	JAH	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-DG012) L1612975-16 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 09:20

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055327	1	05/06/23 00:46	05/06/23 05:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 05:10	05/09/23 05:10	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 14:45	05/06/23 14:45	JAH	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-DG013) L1612975-17 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 09:15

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055327	1	05/06/23 00:46	05/06/23 05:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 05:24	05/09/23 05:24	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 15:03	05/06/23 15:03	JAH	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-FIELD01) L1612975-18 GW

Collected by
S. Sivigliano

Collected date/time
05/04/23 10:25

Received date/time
05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055327	1	05/06/23 00:46	05/06/23 05:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	5	05/09/23 06:05	05/09/23 06:05	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 15:22	05/06/23 15:22	JAH	Mt. Juliet, TN

SAMPLE SUMMARY

20230504-LOVE RANCH 8-(ST-PC-FIELD02) L1612975-19 GW

Collected by S. Sivigliano
Collected date/time 05/04/23 10:35
Received date/time 05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055327	1	05/06/23 00:46	05/06/23 05:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	5	05/09/23 06:18	05/09/23 06:18	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055375	1	05/06/23 15:41	05/06/23 15:41	JAH	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

20230504-LOVE RANCH 8-(ST-PC-BG) L1612975-20 GW

Collected by S. Sivigliano
Collected date/time 05/04/23 09:40
Received date/time 05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055327	1	05/06/23 00:46	05/06/23 05:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056311	1	05/09/23 06:32	05/09/23 06:32	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055398	1	05/06/23 15:20	05/06/23 15:20	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2056581	1	05/09/23 13:47	05/09/23 13:47	DWR	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-HG) L1612975-21 GW

Collected by S. Sivigliano
Collected date/time 05/04/23 09:25
Received date/time 05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055327	1	05/06/23 00:46	05/06/23 05:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056308	5	05/09/23 02:48	05/09/23 02:48	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055398	1	05/06/23 15:40	05/06/23 15:40	ACG	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-CR24) L1612975-22 GW

Collected by S. Sivigliano
Collected date/time 05/04/23 09:15
Received date/time 05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055327	1	05/06/23 00:46	05/06/23 05:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056308	5	05/09/23 03:01	05/09/23 03:01	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055398	1	05/06/23 16:00	05/06/23 16:00	ACG	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-DITCH01) L1612975-23 GW

Collected by S. Sivigliano
Collected date/time 05/04/23 10:20
Received date/time 05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055327	1	05/06/23 00:46	05/06/23 05:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056308	5	05/09/23 03:14	05/09/23 03:14	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055398	1	05/06/23 16:19	05/06/23 16:19	ACG	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-DITCH02) L1612975-24 GW

Collected by S. Sivigliano
Collected date/time 05/04/23 10:15
Received date/time 05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055327	1	05/06/23 00:46	05/06/23 05:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056309	1	05/09/23 03:57	05/09/23 03:57	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055398	1	05/06/23 16:38	05/06/23 16:38	ACG	Mt. Juliet, TN

SAMPLE SUMMARY

20230504-LOVE RANCH 8-(ST-PC-DITCH03) L1612975-25 GW

Collected by S. Sivigliano
Collected date/time 05/04/23 10:10
Received date/time 05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055327	1	05/06/23 00:46	05/06/23 05:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056309	1	05/09/23 12:32	05/09/23 12:32	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055398	1	05/06/23 16:58	05/06/23 16:58	ACG	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

20230504-LOVE RANCH 8-(ST-PC-DITCH04) L1612975-26 GW

Collected by S. Sivigliano
Collected date/time 05/04/23 10:05
Received date/time 05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055327	1	05/06/23 00:46	05/06/23 05:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056309	1	05/09/23 05:32	05/09/23 05:32	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055398	1	05/06/23 17:17	05/06/23 17:17	ACG	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-DITCH05) L1612975-27 GW

Collected by S. Sivigliano
Collected date/time 05/04/23 10:00
Received date/time 05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055327	1	05/06/23 00:46	05/06/23 05:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056309	1	05/09/23 05:45	05/09/23 05:45	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055398	1	05/06/23 17:37	05/06/23 17:37	ACG	Mt. Juliet, TN

20230504-LOVE RANCH 8-(ST-PC-DITCH06) L1612975-28 GW

Collected by S. Sivigliano
Collected date/time 05/04/23 09:55
Received date/time 05/05/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2055327	1	05/06/23 00:46	05/06/23 05:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2056309	1	05/09/23 05:59	05/09/23 05:59	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2055398	1	05/06/23 17:56	05/06/23 17:56	ACG	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



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	556		10.0	1	05/06/2023 04:09	WG2055326

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	9.61		0.379	1.00	1	05/09/2023 00:11	WG2056311
Sulfate	149		0.594	5.00	1	05/09/2023 00:11	WG2056311

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	05/06/2023 10:00	WG2055375
Toluene	U		0.000278	0.00100	1	05/06/2023 10:00	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 10:00	WG2055375
Xylenes, Total	U		0.000174	0.00300	1	05/06/2023 10:00	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 10:00	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 10:00	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 10:00	WG2055375
(S) Toluene-d8	105			80.0-120		05/06/2023 10:00	WG2055375
(S) 4-Bromofluorobenzene	93.6			77.0-126		05/06/2023 10:00	WG2055375
(S) 1,2-Dichloroethane-d4	99.5			70.0-130		05/06/2023 10:00	WG2055375

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	552		10.0	1	05/06/2023 04:09	WG2055326

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	9.60		0.379	1.00	1	05/09/2023 00:25	WG2056311
Sulfate	149		0.594	5.00	1	05/09/2023 00:25	WG2056311

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	05/06/2023 10:19	WG2055375
Toluene	U		0.000278	0.00100	1	05/06/2023 10:19	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 10:19	WG2055375
Xylenes, Total	U		0.000174	0.00300	1	05/06/2023 10:19	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 10:19	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 10:19	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 10:19	WG2055375
(S) Toluene-d8	107			80.0-120		05/06/2023 10:19	WG2055375
(S) 4-Bromofluorobenzene	93.2			77.0-126		05/06/2023 10:19	WG2055375
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/06/2023 10:19	WG2055375

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	<u>Batch</u>
Dissolved Solids	550		10.0	1	05/06/2023 04:09	WG2055326

Wet Chemistry by Method 9056A

Analyte	Result mg/l	<u>Qualifier</u>	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	<u>Batch</u>
Chloride	9.60		0.379	1.00	1	05/09/2023 00:39	WG2056311
Sulfate	149		0.594	5.00	1	05/09/2023 00:39	WG2056311

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

Analyte	Result mg/l	<u>Qualifier</u>	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	<u>Batch</u>
Benzene	U		0.0000941	0.00100	1	05/06/2023 10:38	WG2055375
Toluene	U		0.000278	0.00100	1	05/06/2023 10:38	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 10:38	WG2055375
Xylenes, Total	U		0.000174	0.00300	1	05/06/2023 10:38	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 10:38	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 10:38	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 10:38	WG2055375
(S) Toluene-d8	107			80.0-120		05/06/2023 10:38	WG2055375
(S) 4-Bromofluorobenzene	93.6			77.0-126		05/06/2023 10:38	WG2055375
(S) 1,2-Dichloroethane-d4	99.9			70.0-130		05/06/2023 10:38	WG2055375

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	553		10.0	1	05/06/2023 04:09	WG2055326

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	9.60		0.379	1.00	1	05/09/2023 01:33	WG2056311
Sulfate	149		0.594	5.00	1	05/09/2023 01:33	WG2056311

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000759	J	0.0000941	0.00100	1	05/06/2023 10:57	WG2055375
Toluene	0.00500		0.000278	0.00100	1	05/06/2023 10:57	WG2055375
Ethylbenzene	0.000437	J	0.000137	0.00100	1	05/06/2023 10:57	WG2055375
Xylenes, Total	0.00620		0.000174	0.00300	1	05/06/2023 10:57	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 10:57	WG2055375
1,2,4-Trimethylbenzene	0.000675	J	0.000322	0.00100	1	05/06/2023 10:57	WG2055375
1,3,5-Trimethylbenzene	0.000595	J	0.000104	0.00100	1	05/06/2023 10:57	WG2055375
(S) Toluene-d8	109			80.0-120		05/06/2023 10:57	WG2055375
(S) 4-Bromofluorobenzene	90.8			77.0-126		05/06/2023 10:57	WG2055375
(S) 1,2-Dichloroethane-d4	97.3			70.0-130		05/06/2023 10:57	WG2055375

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	560		10.0	1	05/06/2023 04:09	WG2055326

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	9.81		0.379	1.00	1	05/09/2023 02:14	WG2056311
Sulfate	152		0.594	5.00	1	05/09/2023 02:14	WG2056311

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	05/06/2023 11:16	WG2055375
Toluene	U		0.000278	0.00100	1	05/06/2023 11:16	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 11:16	WG2055375
Xylenes, Total	0.000222	J	0.000174	0.00300	1	05/06/2023 11:16	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 11:16	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 11:16	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 11:16	WG2055375
(S) Toluene-d8	105			80.0-120		05/06/2023 11:16	WG2055375
(S) 4-Bromofluorobenzene	88.9			77.0-126		05/06/2023 11:16	WG2055375
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/06/2023 11:16	WG2055375

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	559		10.0	1	05/06/2023 04:09	WG2055326

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	9.60		0.379	1.00	1	05/09/2023 02:27	WG2056311
Sulfate	150		0.594	5.00	1	05/09/2023 02:27	WG2056311

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	05/06/2023 11:34	WG2055375
Toluene	U		0.000278	0.00100	1	05/06/2023 11:34	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 11:34	WG2055375
Xylenes, Total	0.000191	J	0.000174	0.00300	1	05/06/2023 11:34	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 11:34	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 11:34	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 11:34	WG2055375
(S) Toluene-d8	107			80.0-120		05/06/2023 11:34	WG2055375
(S) 4-Bromofluorobenzene	91.4			77.0-126		05/06/2023 11:34	WG2055375
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/06/2023 11:34	WG2055375

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	546		10.0	1	05/06/2023 04:09	WG2055326

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	9.61		0.379	1.00	1	05/09/2023 02:41	WG2056311
Sulfate	149		0.594	5.00	1	05/09/2023 02:41	WG2056311

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	05/06/2023 11:54	WG2055375
Toluene	U		0.000278	0.00100	1	05/06/2023 11:54	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 11:54	WG2055375
Xylenes, Total	0.000230	J	0.000174	0.00300	1	05/06/2023 11:54	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 11:54	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 11:54	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 11:54	WG2055375
(S) Toluene-d8	108			80.0-120		05/06/2023 11:54	WG2055375
(S) 4-Bromofluorobenzene	93.8			77.0-126		05/06/2023 11:54	WG2055375
(S) 1,2-Dichloroethane-d4	97.1			70.0-130		05/06/2023 11:54	WG2055375

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	549		10.0	1	05/06/2023 04:09	WG2055326

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	9.54		0.379	1.00	1	05/09/2023 02:55	WG2056311
Sulfate	148		0.594	5.00	1	05/09/2023 02:55	WG2056311

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	05/06/2023 12:12	WG2055375
Toluene	U		0.000278	0.00100	1	05/06/2023 12:12	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 12:12	WG2055375
Xylenes, Total	U		0.000174	0.00300	1	05/06/2023 12:12	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 12:12	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 12:12	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 12:12	WG2055375
(S) Toluene-d8	105			80.0-120		05/06/2023 12:12	WG2055375
(S) 4-Bromofluorobenzene	94.3			77.0-126		05/06/2023 12:12	WG2055375
(S) 1,2-Dichloroethane-d4	95.9			70.0-130		05/06/2023 12:12	WG2055375

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	553		10.0	1	05/06/2023 04:09	WG2055326

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	9.61		0.379	1.00	1	05/09/2023 03:08	WG2056311
Sulfate	148		0.594	5.00	1	05/09/2023 03:08	WG2056311

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	05/06/2023 12:31	WG2055375
Toluene	U		0.000278	0.00100	1	05/06/2023 12:31	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 12:31	WG2055375
Xylenes, Total	0.000255	J	0.000174	0.00300	1	05/06/2023 12:31	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 12:31	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 12:31	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 12:31	WG2055375
(S) Toluene-d8	105			80.0-120		05/06/2023 12:31	WG2055375
(S) 4-Bromofluorobenzene	92.4			77.0-126		05/06/2023 12:31	WG2055375
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		05/06/2023 12:31	WG2055375

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	551		10.0	1	05/06/2023 04:09	WG2055326

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	9.55		0.379	1.00	1	05/09/2023 03:22	WG2056311
Sulfate	148		0.594	5.00	1	05/09/2023 03:22	WG2056311

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	05/06/2023 12:50	WG2055375
Toluene	U		0.000278	0.00100	1	05/06/2023 12:50	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 12:50	WG2055375
Xylenes, Total	U		0.000174	0.00300	1	05/06/2023 12:50	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 12:50	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 12:50	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 12:50	WG2055375
(S) Toluene-d8	107			80.0-120		05/06/2023 12:50	WG2055375
(S) 4-Bromofluorobenzene	92.0			77.0-126		05/06/2023 12:50	WG2055375
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		05/06/2023 12:50	WG2055375

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	550		10.0	1	05/06/2023 04:09	WG2055326

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	9.57		0.379	1.00	1	05/09/2023 03:35	WG2056311
Sulfate	148		0.594	5.00	1	05/09/2023 03:35	WG2056311

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	05/06/2023 13:09	WG2055375
Toluene	U		0.000278	0.00100	1	05/06/2023 13:09	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 13:09	WG2055375
Xylenes, Total	U		0.000174	0.00300	1	05/06/2023 13:09	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 13:09	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 13:09	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 13:09	WG2055375
(S) Toluene-d8	107			80.0-120		05/06/2023 13:09	WG2055375
(S) 4-Bromofluorobenzene	92.8			77.0-126		05/06/2023 13:09	WG2055375
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/06/2023 13:09	WG2055375

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	545		10.0	1	05/06/2023 04:09	WG2055326

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	9.70		0.379	1.00	1	05/09/2023 03:49	WG2056311
Sulfate	149		0.594	5.00	1	05/09/2023 03:49	WG2056311

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	05/06/2023 13:29	WG2055375
Toluene	U		0.000278	0.00100	1	05/06/2023 13:29	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 13:29	WG2055375
Xylenes, Total	0.000186	J	0.000174	0.00300	1	05/06/2023 13:29	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 13:29	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 13:29	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 13:29	WG2055375
(S) Toluene-d8	106			80.0-120		05/06/2023 13:29	WG2055375
(S) 4-Bromofluorobenzene	93.3			77.0-126		05/06/2023 13:29	WG2055375
(S) 1,2-Dichloroethane-d4	99.8			70.0-130		05/06/2023 13:29	WG2055375

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	555		10.0	1	05/06/2023 04:09	WG2055326

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	9.59		0.379	1.00	1	05/09/2023 04:03	WG2056311
Sulfate	148		0.594	5.00	1	05/09/2023 04:03	WG2056311

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	05/06/2023 13:48	WG2055375
Toluene	U		0.000278	0.00100	1	05/06/2023 13:48	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 13:48	WG2055375
Xylenes, Total	0.000213	J	0.000174	0.00300	1	05/06/2023 13:48	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 13:48	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 13:48	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 13:48	WG2055375
(S) Toluene-d8	104			80.0-120		05/06/2023 13:48	WG2055375
(S) 4-Bromofluorobenzene	93.6			77.0-126		05/06/2023 13:48	WG2055375
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/06/2023 13:48	WG2055375

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	547		10.0	1	05/06/2023 04:09	WG2055326

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	9.53		0.379	1.00	1	05/09/2023 04:16	WG2056311
Sulfate	147		0.594	5.00	1	05/09/2023 04:16	WG2056311

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	U		0.0000941	0.00100	1	05/06/2023 14:07	WG2055375
Toluene	U		0.000278	0.00100	1	05/06/2023 14:07	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 14:07	WG2055375
Xylenes, Total	0.000188	J	0.000174	0.00300	1	05/06/2023 14:07	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 14:07	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 14:07	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 14:07	WG2055375
(S) Toluene-d8	105			80.0-120		05/06/2023 14:07	WG2055375
(S) 4-Bromofluorobenzene	88.4			77.0-126		05/06/2023 14:07	WG2055375
(S) 1,2-Dichloroethane-d4	98.0			70.0-130		05/06/2023 14:07	WG2055375

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	545		10.0	1	05/06/2023 05:00	WG2055327

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	9.60		0.379	1.00	1	05/09/2023 04:57	WG2056311
Sulfate	147		0.594	5.00	1	05/09/2023 04:57	WG2056311

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	U		0.0000941	0.00100	1	05/06/2023 14:26	WG2055375
Toluene	U		0.000278	0.00100	1	05/06/2023 14:26	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 14:26	WG2055375
Xylenes, Total	0.000246	J	0.000174	0.00300	1	05/06/2023 14:26	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 14:26	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 14:26	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 14:26	WG2055375
(S) Toluene-d8	107			80.0-120		05/06/2023 14:26	WG2055375
(S) 4-Bromofluorobenzene	89.4			77.0-126		05/06/2023 14:26	WG2055375
(S) 1,2-Dichloroethane-d4	98.6			70.0-130		05/06/2023 14:26	WG2055375

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	545		10.0	1	05/06/2023 05:00	WG2055327

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	9.56		0.379	1.00	1	05/09/2023 05:10	WG2056311
Sulfate	148		0.594	5.00	1	05/09/2023 05:10	WG2056311

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	U		0.0000941	0.00100	1	05/06/2023 14:45	WG2055375
Toluene	U		0.000278	0.00100	1	05/06/2023 14:45	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 14:45	WG2055375
Xylenes, Total	U		0.000174	0.00300	1	05/06/2023 14:45	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 14:45	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 14:45	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 14:45	WG2055375
(S) Toluene-d8	107			80.0-120		05/06/2023 14:45	WG2055375
(S) 4-Bromofluorobenzene	91.9			77.0-126		05/06/2023 14:45	WG2055375
(S) 1,2-Dichloroethane-d4	98.8			70.0-130		05/06/2023 14:45	WG2055375

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	549		10.0	1	05/06/2023 05:00	WG2055327

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	9.57		0.379	1.00	1	05/09/2023 05:24	WG2056311
Sulfate	149		0.594	5.00	1	05/09/2023 05:24	WG2056311

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	U		0.0000941	0.00100	1	05/06/2023 15:03	WG2055375
Toluene	0.000281	J	0.000278	0.00100	1	05/06/2023 15:03	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 15:03	WG2055375
Xylenes, Total	0.000268	J	0.000174	0.00300	1	05/06/2023 15:03	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 15:03	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 15:03	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 15:03	WG2055375
(S) Toluene-d8	107			80.0-120		05/06/2023 15:03	WG2055375
(S) 4-Bromofluorobenzene	91.9			77.0-126		05/06/2023 15:03	WG2055375
(S) 1,2-Dichloroethane-d4	95.3			70.0-130		05/06/2023 15:03	WG2055375

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1490		25.0	1	05/06/2023 05:00	WG2055327

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	28.8		1.90	5.00	5	05/09/2023 06:05	WG2056311
Sulfate	510		2.97	25.0	5	05/09/2023 06:05	WG2056311

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	U		0.0000941	0.00100	1	05/06/2023 15:22	WG2055375
Toluene	U		0.000278	0.00100	1	05/06/2023 15:22	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 15:22	WG2055375
Xylenes, Total	U		0.000174	0.00300	1	05/06/2023 15:22	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 15:22	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 15:22	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 15:22	WG2055375
(S) Toluene-d8	108			80.0-120		05/06/2023 15:22	WG2055375
(S) 4-Bromofluorobenzene	89.3			77.0-126		05/06/2023 15:22	WG2055375
(S) 1,2-Dichloroethane-d4	98.1			70.0-130		05/06/2023 15:22	WG2055375

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	739		13.3	1	05/06/2023 05:00	WG2055327

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	15.2		1.90	5.00	5	05/09/2023 06:18	WG2056311
Sulfate	223		2.97	25.0	5	05/09/2023 06:18	WG2056311

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	U		0.0000941	0.00100	1	05/06/2023 15:41	WG2055375
Toluene	U		0.000278	0.00100	1	05/06/2023 15:41	WG2055375
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 15:41	WG2055375
Xylenes, Total	U		0.000174	0.00300	1	05/06/2023 15:41	WG2055375
Naphthalene	U		0.00100	0.00500	1	05/06/2023 15:41	WG2055375
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 15:41	WG2055375
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 15:41	WG2055375
(S) Toluene-d8	107			80.0-120		05/06/2023 15:41	WG2055375
(S) 4-Bromofluorobenzene	91.8			77.0-126		05/06/2023 15:41	WG2055375
(S) 1,2-Dichloroethane-d4	98.1			70.0-130		05/06/2023 15:41	WG2055375

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	595		10.0	1	05/06/2023 05:00	WG2055327

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	10.6		0.379	1.00	1	05/09/2023 06:32	WG2056311
Sulfate	163		0.594	5.00	1	05/09/2023 06:32	WG2056311

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	05/06/2023 15:20	WG2055398
Toluene	U		0.000278	0.00100	1	05/06/2023 15:20	WG2055398
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 15:20	WG2055398
Xylenes, Total	U		0.000174	0.00300	1	05/09/2023 13:47	WG2056581
Naphthalene	U		0.00100	0.00500	1	05/06/2023 15:20	WG2055398
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 15:20	WG2055398
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 15:20	WG2055398
(S) Toluene-d8	104			80.0-120		05/06/2023 15:20	WG2055398
(S) Toluene-d8	107			80.0-120		05/09/2023 13:47	WG2056581
(S) 4-Bromofluorobenzene	91.3			77.0-126		05/06/2023 15:20	WG2055398
(S) 4-Bromofluorobenzene	105			77.0-126		05/09/2023 13:47	WG2056581
(S) 1,2-Dichloroethane-d4	92.2			70.0-130		05/06/2023 15:20	WG2055398
(S) 1,2-Dichloroethane-d4	119			70.0-130		05/09/2023 13:47	WG2056581

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	573		10.0	1	05/06/2023 05:00	WG2055327

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	10.2		1.90	5.00	5	05/09/2023 02:48	WG2056308
Sulfate	159		2.97	25.0	5	05/09/2023 02:48	WG2056308

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	05/06/2023 15:40	WG2055398
Toluene	U		0.000278	0.00100	1	05/06/2023 15:40	WG2055398
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 15:40	WG2055398
Xylenes, Total	0.000299	J	0.000174	0.00300	1	05/06/2023 15:40	WG2055398
Naphthalene	U		0.00100	0.00500	1	05/06/2023 15:40	WG2055398
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 15:40	WG2055398
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 15:40	WG2055398
(S) Toluene-d8	103			80.0-120		05/06/2023 15:40	WG2055398
(S) 4-Bromofluorobenzene	99.4			77.0-126		05/06/2023 15:40	WG2055398
(S) 1,2-Dichloroethane-d4	96.4			70.0-130		05/06/2023 15:40	WG2055398

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	560		10.0	1	05/06/2023 05:00	WG2055327

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	10.3		1.90	5.00	5	05/09/2023 03:01	WG2056308
Sulfate	160		2.97	25.0	5	05/09/2023 03:01	WG2056308

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	05/06/2023 16:00	WG2055398
Toluene	U		0.000278	0.00100	1	05/06/2023 16:00	WG2055398
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 16:00	WG2055398
Xylenes, Total	0.000236	J	0.000174	0.00300	1	05/06/2023 16:00	WG2055398
Naphthalene	U		0.00100	0.00500	1	05/06/2023 16:00	WG2055398
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 16:00	WG2055398
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 16:00	WG2055398
(S) Toluene-d8	104			80.0-120		05/06/2023 16:00	WG2055398
(S) 4-Bromofluorobenzene	96.1			77.0-126		05/06/2023 16:00	WG2055398
(S) 1,2-Dichloroethane-d4	98.6			70.0-130		05/06/2023 16:00	WG2055398

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	560		10.0	1	05/06/2023 05:00	WG2055327

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	9.77		1.90	5.00	5	05/09/2023 03:14	WG2056308
Sulfate	155		2.97	25.0	5	05/09/2023 03:14	WG2056308

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	05/06/2023 16:19	WG2055398
Toluene	U		0.000278	0.00100	1	05/06/2023 16:19	WG2055398
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 16:19	WG2055398
Xylenes, Total	0.000199	J	0.000174	0.00300	1	05/06/2023 16:19	WG2055398
Naphthalene	U		0.00100	0.00500	1	05/06/2023 16:19	WG2055398
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 16:19	WG2055398
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 16:19	WG2055398
(S) Toluene-d8	102			80.0-120		05/06/2023 16:19	WG2055398
(S) 4-Bromofluorobenzene	95.6			77.0-126		05/06/2023 16:19	WG2055398
(S) 1,2-Dichloroethane-d4	96.9			70.0-130		05/06/2023 16:19	WG2055398

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	645		13.3	1	05/06/2023 05:00	WG2055327

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	13.4		0.379	1.00	1	05/09/2023 03:57	WG2056309
Sulfate	191		0.594	5.00	1	05/09/2023 03:57	WG2056309

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	05/06/2023 16:38	WG2055398
Toluene	U		0.000278	0.00100	1	05/06/2023 16:38	WG2055398
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 16:38	WG2055398
Xylenes, Total	0.000249	J	0.000174	0.00300	1	05/06/2023 16:38	WG2055398
Naphthalene	U		0.00100	0.00500	1	05/06/2023 16:38	WG2055398
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 16:38	WG2055398
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 16:38	WG2055398
(S) Toluene-d8	106			80.0-120		05/06/2023 16:38	WG2055398
(S) 4-Bromofluorobenzene	100			77.0-126		05/06/2023 16:38	WG2055398
(S) 1,2-Dichloroethane-d4	96.1			70.0-130		05/06/2023 16:38	WG2055398

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	581		10.0	1	05/06/2023 05:00	WG2055327

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	10.1		0.379	1.00	1	05/09/2023 12:32	WG2056309
Sulfate	155		0.594	5.00	1	05/09/2023 12:32	WG2056309

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	U		0.0000941	0.00100	1	05/06/2023 16:58	WG2055398
Toluene	U		0.000278	0.00100	1	05/06/2023 16:58	WG2055398
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 16:58	WG2055398
Xylenes, Total	0.000247	J	0.000174	0.00300	1	05/06/2023 16:58	WG2055398
Naphthalene	U		0.00100	0.00500	1	05/06/2023 16:58	WG2055398
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 16:58	WG2055398
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 16:58	WG2055398
(S) Toluene-d8	103			80.0-120		05/06/2023 16:58	WG2055398
(S) 4-Bromofluorobenzene	97.9			77.0-126		05/06/2023 16:58	WG2055398
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/06/2023 16:58	WG2055398

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	560		10.0	1	05/06/2023 05:00	WG2055327

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	9.35		0.379	1.00	1	05/09/2023 05:32	WG2056309
Sulfate	146		0.594	5.00	1	05/09/2023 05:32	WG2056309

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	05/06/2023 17:17	WG2055398
Toluene	U		0.000278	0.00100	1	05/06/2023 17:17	WG2055398
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 17:17	WG2055398
Xylenes, Total	0.000241	J	0.000174	0.00300	1	05/06/2023 17:17	WG2055398
Naphthalene	U		0.00100	0.00500	1	05/06/2023 17:17	WG2055398
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 17:17	WG2055398
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 17:17	WG2055398
(S) Toluene-d8	104			80.0-120		05/06/2023 17:17	WG2055398
(S) 4-Bromofluorobenzene	98.8			77.0-126		05/06/2023 17:17	WG2055398
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/06/2023 17:17	WG2055398

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	562		10.0	1	05/06/2023 05:00	WG2055327

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	9.15		0.379	1.00	1	05/09/2023 05:45	WG2056309
Sulfate	144		0.594	5.00	1	05/09/2023 05:45	WG2056309

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	U		0.0000941	0.00100	1	05/06/2023 17:37	WG2055398
Toluene	U		0.000278	0.00100	1	05/06/2023 17:37	WG2055398
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 17:37	WG2055398
Xylenes, Total	0.000179	J	0.000174	0.00300	1	05/06/2023 17:37	WG2055398
Naphthalene	U		0.00100	0.00500	1	05/06/2023 17:37	WG2055398
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 17:37	WG2055398
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 17:37	WG2055398
(S) Toluene-d8	102			80.0-120		05/06/2023 17:37	WG2055398
(S) 4-Bromofluorobenzene	99.2			77.0-126		05/06/2023 17:37	WG2055398
(S) 1,2-Dichloroethane-d4	98.1			70.0-130		05/06/2023 17:37	WG2055398

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	561		10.0	1	05/06/2023 05:00	WG2055327

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	9.44		0.379	1.00	1	05/09/2023 05:59	WG2056309
Sulfate	147		0.594	5.00	1	05/09/2023 05:59	WG2056309

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	U		0.0000941	0.00100	1	05/06/2023 17:56	WG2055398
Toluene	U		0.000278	0.00100	1	05/06/2023 17:56	WG2055398
Ethylbenzene	U		0.000137	0.00100	1	05/06/2023 17:56	WG2055398
Xylenes, Total	U		0.000174	0.00300	1	05/06/2023 17:56	WG2055398
Naphthalene	U		0.00100	0.00500	1	05/06/2023 17:56	WG2055398
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	05/06/2023 17:56	WG2055398
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	05/06/2023 17:56	WG2055398
(S) Toluene-d8	104			80.0-120		05/06/2023 17:56	WG2055398
(S) 4-Bromofluorobenzene	100			77.0-126		05/06/2023 17:56	WG2055398
(S) 1,2-Dichloroethane-d4	98.4			70.0-130		05/06/2023 17:56	WG2055398

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3922263-1 05/06/23 04:09

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

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

L1611214-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1611214-01 05/06/23 04:09 • (DUP) R3922263-3 05/06/23 04:09

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	214	224	1	4.57		5

L1611741-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1611741-01 05/06/23 04:09 • (DUP) R3922263-4 05/06/23 04:09

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	396	404	1	2.00		5

Laboratory Control Sample (LCS)

(LCS) R3922263-2 05/06/23 04:09

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8020	91.1	77.3-123	

Method Blank (MB)

(MB) R3922228-1 05/06/23 05:00

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

L1611722-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1611722-01 05/06/23 05:00 • (DUP) R3922228-3 05/06/23 05:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	5020	5670	1	12.2	J3	5

L1611796-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1611796-02 05/06/23 05:00 • (DUP) R3922228-4 05/06/23 05:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	271	276	1	1.83		5

Laboratory Control Sample (LCS)

(LCS) R3922228-2 05/06/23 05:00

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8130	92.4	77.3-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3922412-1 05/08/23 19:48

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	U		0.379	1.00
Sulfate	U		0.594	5.00

L1610748-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1610748-05 05/08/23 22:58 • (DUP) R3922412-3 05/08/23 23:10

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	22.7	22.5	1	1.10		15
Sulfate	99.9	99.0	1	0.892		15

L1610811-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1610811-10 05/09/23 02:10 • (DUP) R3922412-6 05/09/23 02:23

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	1.28	1.21	1	5.15		15
Sulfate	18.7	17.8	1	5.36		15

Laboratory Control Sample (LCS)

(LCS) R3922412-2 05/08/23 20:00

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	38.6	96.4	80.0-120	
Sulfate	40.0	38.8	97.1	80.0-120	

L1610748-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1610748-05 05/08/23 22:58 • (MS) R3922412-4 05/08/23 23:23 • (MSD) R3922412-5 05/08/23 23:36

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	22.7	71.7	72.1	98.0	98.7	1	80.0-120			0.468	15
Sulfate	50.0	99.9	144	145	88.3	89.3	1	80.0-120			0.360	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1610811-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1610811-10 05/09/23 02:10 • (MS) R3922412-7 05/09/23 02:35

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50.0	1.28	49.7	96.8	1	80.0-120	
Sulfate	50.0	18.7	66.0	94.6	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3922471-1 05/08/23 19:50

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	U		0.379	1.00
Sulfate	U		0.594	5.00

L1611134-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1611134-02 05/08/23 22:21 • (DUP) R3922471-3 05/08/23 22:34

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	420	420	1	0.0680	☑	15
Sulfate	287	285	1	0.656	☑	15

L1611134-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1611134-02 05/08/23 23:00 • (DUP) R3922471-5 05/08/23 23:13

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	416	417	5	0.134		15
Sulfate	278	278	5	0.0121		15

L1612975-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1612975-25 05/09/23 12:32 • (DUP) R3922631-1 05/09/23 12:45

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	10.1	10.1	1	0.230		15
Sulfate	155	155	1	0.165		15

Laboratory Control Sample (LCS)

(LCS) R3922471-2 05/08/23 20:03

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	39.1	97.9	80.0-120	
Sulfate	40.0	38.0	95.0	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1611134-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1611134-02 05/08/23 22:21 • (MS) R3922471-4 05/08/23 22:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	420	475	110	1	80.0-120	E
Sulfate	50.0	287	374	174	1	80.0-120	E V

L1612975-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1612975-25 05/09/23 12:32 • (MS) R3922631-2 05/09/23 12:58 • (MSD) R3922631-3 05/09/23 13:10

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 %
Chloride	50.0	10.1	58.1	58.5	96.0	96.7	1	80.0-120			0.592	15
Sulfate	50.0	155	195	198	80.5	87.0	1	80.0-120			1.67	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3922498-1 05/08/23 21:28

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	U		0.379	1.00
Sulfate	U		0.594	5.00

L1612975-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1612975-03 05/09/23 00:39 • (DUP) R3922498-3 05/09/23 00:52

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	9.60	9.59	1	0.129		15
Sulfate	149	148	1	0.0753		15

L1612975-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1612975-17 05/09/23 05:24 • (DUP) R3922498-6 05/09/23 05:38

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	9.57	9.57	1	0.0418		15
Sulfate	149	149	1	0.125		15

Laboratory Control Sample (LCS)

(LCS) R3922498-2 05/08/23 21:41

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	39.5	98.7	80.0-120	
Sulfate	40.0	39.3	98.3	80.0-120	

L1612975-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1612975-03 05/09/23 00:39 • (MS) R3922498-4 05/09/23 01:06 • (MSD) R3922498-5 05/09/23 01:19

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	9.60	58.8	59.0	98.4	98.8	1	80.0-120			0.315	15
Sulfate	50.0	149	191	190	84.2	83.4	1	80.0-120			0.208	15

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1612975-17 Original Sample (OS) • Matrix Spike (MS)

(OS) L1612975-17 05/09/23 05:24 • (MS) R3922498-7 05/09/23 05:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50.0	9.57	58.4	97.6	1	80.0-120	
Sulfate	50.0	149	190	82.5	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3921799-3 05/06/23 08:16

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
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
(S) Toluene-d8	107			80.0-120
(S) 4-Bromofluorobenzene	96.0			77.0-126
(S) 1,2-Dichloroethane-d4	99.1			70.0-130

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

(LCS) R3921799-1 05/06/23 07:01 • (LCSD) R3921799-2 05/06/23 07:19

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	0.00479	0.00437	95.8	87.4	70.0-123			9.17	20
Toluene	0.00500	0.00475	0.00454	95.0	90.8	79.0-120			4.52	20
Ethylbenzene	0.00500	0.00487	0.00453	97.4	90.6	79.0-123			7.23	20
Xylenes, Total	0.0150	0.0142	0.0131	94.7	87.3	79.0-123			8.06	20
Naphthalene	0.00500	0.00332	0.00321	66.4	64.2	54.0-135			3.37	20
1,2,4-Trimethylbenzene	0.00500	0.00433	0.00396	86.6	79.2	76.0-121			8.93	20
1,3,5-Trimethylbenzene	0.00500	0.00431	0.00405	86.2	81.0	76.0-122			6.22	20
(S) Toluene-d8				104	107	80.0-120				
(S) 4-Bromofluorobenzene				93.3	96.5	77.0-126				
(S) 1,2-Dichloroethane-d4				101	102	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3921828-3 05/06/23 08:46

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
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
(S) Toluene-d8	103			80.0-120
(S) 4-Bromofluorobenzene	99.2			77.0-126
(S) 1,2-Dichloroethane-d4	94.1			70.0-130

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

(LCS) R3921828-1 05/06/23 07:28 • (LCSD) R3921828-2 05/06/23 07:47

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	0.00435	0.00450	87.0	90.0	70.0-123			3.39	20
Toluene	0.00500	0.00417	0.00454	83.4	90.8	79.0-120			8.50	20
Ethylbenzene	0.00500	0.00462	0.00482	92.4	96.4	79.0-123			4.24	20
Xylenes, Total	0.0150	0.0139	0.0136	92.7	90.7	79.0-123			2.18	20
Naphthalene	0.00500	0.00402	0.00431	80.4	86.2	54.0-135			6.96	20
1,2,4-Trimethylbenzene	0.00500	0.00441	0.00471	88.2	94.2	76.0-121			6.58	20
1,3,5-Trimethylbenzene	0.00500	0.00466	0.00511	93.2	102	76.0-122			9.21	20
(S) Toluene-d8				100	99.0	80.0-120				
(S) 4-Bromofluorobenzene				100	93.5	77.0-126				
(S) 1,2-Dichloroethane-d4				99.7	94.8	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3922882-2 05/09/23 10:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	106			80.0-120
(S) 4-Bromofluorobenzene	104			77.0-126
(S) 1,2-Dichloroethane-d4	118			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3922882-1 05/09/23 10:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Xylenes, Total	0.0150	0.0156	104	79.0-123	
(S) Toluene-d8			107	80.0-120	
(S) 4-Bromofluorobenzene			108	77.0-126	
(S) 1,2-Dichloroethane-d4			115	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

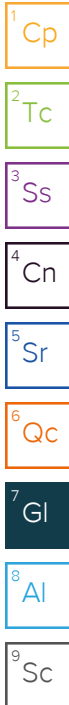
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
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.
J3	The associated batch QC was outside the established quality control range for precision.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

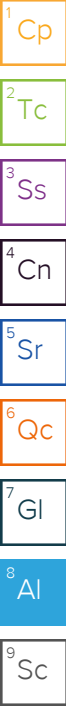
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122


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

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

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

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



<div>CHAIN-OF-CUSTODY Analytical Request Document</div> <div>Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields</div>										LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here									
Company: Campos EPC										Billing Information: Caerus Oil and Gas, LLC Account: CAERUSPCO									
Address: 1401 Blake St. Denver, CO 80202										Report To: Brett Middleton Email To: bmiddleton@caerusoilandgas.com									
Copy To: jjanicek@caerusoilandgas.com										Site Collection Info/Address:									
Customer Project Name/Number: LOVE RANCH 8										State: County/City: Time Zone Collected: CO / [] PT [x] MT [] CT [] ET									
Phone: 970-778-2314 Email: same as above					Site/Facility ID #: LOVE RANCH 8					Compliance Monitoring? [] Yes [] No									
Collected By (print): S. Sivigliano / K. Kennedy					Purchase Order #: Quote #:					DW PWS ID #: DW Location Code:									
Collected By (signature): S. Sivigliano					Turnaround Date Required: 2-DAY					Immediately Packed on Ice: [x] Yes [] No									
Sample Disposal: [x] Dispose as appropriate [] Return [] Archive: [] Hold:					Rush: [] Same Day [] Next Day [x] 2 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply)					Field Filtered (if applicable): [] Yes [x] No Analysis:									
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)																			
Customer Sample ID		Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	COGCC TABLE 915-1 (FULL LIST)									
				Date Time		Date Time													
20230504-LOVE RANCH 8-(ST-PC-UG01)		GW		5/4/2023 09:00				3	5										
20230504-LOVE RANCH 8-(ST-PC-UG02)				08:55				3	5										
20230504-LOVE RANCH 8-(ST-PC-UG03)				08:50				3	5										
20230504-LOVE RANCH 8-(ST-PC-POR)				09:05				3	5										
20230504-LOVE RANCH 8-(ST-PC-DG01)				09:40				3	5										
20230504-LOVE RANCH 8-(ST-PC-DG02)				09:47				3	5										
20230504-LOVE RANCH 8-(ST-PC-DG03)				09:55				3	5										
20230504-LOVE RANCH 8-(ST-PC-DG04)				10:00				3	5										
20230504-LOVE RANCH 8-(ST-PC-DG05)				10:05				3	5										
20230504-LOVE RANCH 8-(ST-PC-DG06)		V		10:10				3	5										
Customer Remarks / Special Conditions / Possible Hazards:										Type of Ice Used: Wet Blue Dry None									
										Packing Material Used:									
										Radchem sample(s) screened (<500 cpm): Y N NA									
										SHORT HOLDS PRESENT (<72 hours): Y N N/A									
										Lab Tracking #: 6126 6537 5695									
										Samples received via: FEDEX UPS Client Courier Pace Courier									
										MTJL LAB USE ONLY									
Relinquished by/Company: (Signature) S. Sivigliano					Date/Time: 5/4/23-1340					Received by/Company: (Signature) [Signature]					Date/Time:				
Relinquished by/Company: (Signature) [Signature]					Date/Time: 5/4/23 1500					Received by/Company: (Signature) [Signature]					Date/Time:				
Relinquished by/Company: (Signature) [Signature]					Date/Time:					Received by/Company: (Signature) a w (18) PACE					Date/Time: 5/5/23 0930				
										Table #:									
										Acctnum:									
										Template:									
										Prelogin:									
										PM:									
										PB:									
										Lab Profile/Line:									
										Lab Sample Receipt Checklist:									
										Custody Seals Present/Intact Y N NA									
										Custody Signatures Present Y N NA									
										Collector Signature Present Y N NA									
										Bottles Intact Y N NA									
										Correct Bottles Y N NA									
										Sufficient Volume Y N NA									
										Samples Received on Ice Y N NA									
										VOA - Headspace Acceptable Y N NA									
										USDA Regulated Soils Y N NA									
										Samples in Holding Time Y N NA									
										Residual Chlorine Present Y N NA									
										Cl Strips:									
										Sample pH Acceptable Y N NA									
										pH Strips:									
										Sulfide Present Y N NA									
										Lead Acetate Strips:									
										LAB USE ONLY:									
										Lab Sample # / Comments:									
										L 1612975									
										-01									
										-02									
										-03									
										-04									
										-05									
										-06									
										-07									
										-08									
										-09									
										-10									
										Lab Sample Temperature Info:									
										Temp Blank Received: Y N NA									
										Therm ID#:									
										Cooler 1 Temp Upon Receipt: oC									
										Cooler 1 Therm Corr. Factor: oC									
										Cooler 1 Corrected Temp: oC									
										Comments:									
										Trip Blank Received: Y N NA									
										HCL MeOH TSP Other									
										Non Conformance(s):									
										YES / NO									
										Page: 1									
										of: 3									

CHAIN-OF-CUSTODY Analytical Request Document

Company: Campos EPC

Address: 1401 Blake St. Denver, CO 80202

Report To: Brett Middleton

Copy To: jjanicek@caerusoilandgas.com

Customer Project Name/Number: LOVE RANCH 8

Phone: 970-778-2314

Email: same as above

Collected By (print): S. Sivigliano / K. Kennedy

Collected By (signature): [Signature]

Sample Disposal: [X] Dispose as appropriate [] Return [] Archive [] Hold

Site/Facility ID #: LOVE RANCH 8

Purchase Order #: []

Turnaround Date Required: 2-DAY

Rush: [X] 2 Day [] 3 Day [] 4 Day [] 5 Day

Compliance Monitoring? [] Yes [] No

DW PWS ID #: []

DW Location Code: []

Immediately Packed on Ice: [X] Yes [] No

Field Filtered (if applicable): [] Yes [X] No

Analysis: []

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
20230504-LOVE RANCH 8-(ST-PC-HG)	GW		5/4/2023	9:25			3	5
20230504-LOVE RANCH 8-(ST-PC-CR24)				9:15			3	5
20230504-LOVE RANCH 8-(ST-PC-DITCH01)				10:20			3	5
20230504-LOVE RANCH 8-(ST-PC-DITCH02)				10:15			3	5
20230504-LOVE RANCH 8-(ST-PC-DITCH03)				10:10			3	5
20230504-LOVE RANCH 8-(ST-PC-DITCH04)				10:05			3	5
20230504-LOVE RANCH 8-(ST-PC-DITCH05)				10:00			3	5
20230504-LOVE RANCH 8-(ST-PC-DITCH06)				9:55			3	5
							3	5
							3	5

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

Relinquished by/Company: (Signature) [Signature]

Date/Time: 5/4/23-1340

Received by/Company: (Signature) [Signature]

Date/Time: 5/4/23 1500

Relinquished by/Company: (Signature) [Signature]

Date/Time: 5/5/23

Received by/Company: (Signature) [Signature]

Date/Time: 5/5/23

Relinquished by/Company: (Signature) [Signature]

Date/Time: 5/5/23

Received by/Company: (Signature) [Signature]

Date/Time: 5/5/23

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact Y N NA

Custody Signatures Present Y N NA

Collector Signatures Present Y N NA

Bottles Intact Y N NA

Correct Bottles Y N NA

Sufficient Volume Y N NA

Samples Received on Ice Y N NA

VOA - Headspace Acceptable Y N NA

USDA Regulated Soils Y N NA

Samples in Holding Time Y N NA

Residual Chlorine Present Y N NA

Cl Strips: []

Sample pH Acceptable Y N NA

pH Strips: []

Sulfide Present Y N NA

Lead Acetate Strips: []

LAB USE ONLY:

Lab Sample # / Comments:

L1012975

-21

-22

-23

-24

-25

-26

-27

-28

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

Temp Blank Received: Y N NA

Therm ID#:

Cooler 1 Temp Upon Receipt: oC

Cooler 1 Therm Corr. Factor: oC

Cooler 1 Corrected Temp: oC

Comments:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s):

YES / NO

Page: 3

05/05/23-NCF-L1612975-CAERUSPCO

R2/R3/R4/RX/EX

Time estimate: oh

Time spent: oh

Members

DP Devin Piedimonte (responsible)



Chris Ward

- ☐ 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

Devin Piedimonte	5 May 2023 3:33 PM
Received two broken 40ml amber vials preserved with HCL for Sample ID: 20230504-Love Ranch 8-(ST-PC-Ditch04).	
Chris Ward	8 May 2023 2:57 PM
Please proceed/note low volume	
Troy Dunlap	8 May 2023 4:10 PM
Done.	