

**Entrada Consulting Group**

Sample Delivery Group: L1551606  
Samples Received: 10/28/2022  
Project Number: 021-054  
Description: Baker Canyon

Report To: Matt Kasten  
330 Grand Avenue  
Suite C  
Grand Junction, CO 81501

Entire Report Reviewed By:



Chris Ward  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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

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

# SAMPLE SUMMARY

## MW1 L1551606-01 GW

Collected by  
C. Mace

Collected date/time  
10/27/22 12:40

Received date/time  
10/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1953833	1	11/03/22 11:42	11/03/22 13:44	DTM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1952692	1	11/03/22 23:33	11/03/22 23:33	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1952692	5	11/04/22 00:11	11/04/22 00:11	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1954138	1	11/04/22 05:46	11/04/22 05:46	MGF	Mt. Juliet, TN

## MW2 L1551606-02 GW

Collected by  
C. Mace

Collected date/time  
10/27/22 13:10

Received date/time  
10/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1953833	1	11/03/22 11:42	11/03/22 13:44	DTM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1952692	10	11/04/22 00:24	11/04/22 00:24	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1954138	1	11/04/22 06:07	11/04/22 06:07	MGF	Mt. Juliet, TN

## MW3 L1551606-03 GW

Collected by  
C. Mace

Collected date/time  
10/27/22 13:30

Received date/time  
10/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1953833	1	11/03/22 11:42	11/03/22 13:44	DTM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1952692	10	11/04/22 00:49	11/04/22 00:49	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1954138	1	11/04/22 06:29	11/04/22 06:29	MGF	Mt. Juliet, TN

## MW4 L1551606-04 GW

Collected by  
C. Mace

Collected date/time  
10/27/22 14:00

Received date/time  
10/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1953833	1	11/03/22 11:42	11/03/22 13:44	DTM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1952692	20	11/04/22 01:02	11/04/22 01:02	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1954138	1	11/04/22 06:50	11/04/22 06:50	MGF	Mt. Juliet, TN

## MW5 L1551606-05 GW

Collected by  
C. Mace

Collected date/time  
10/27/22 14:20

Received date/time  
10/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1953833	1	11/03/22 11:42	11/03/22 13:44	DTM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1952692	10	11/04/22 01:40	11/04/22 01:40	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1954138	1	11/04/22 07:12	11/04/22 07:12	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1956163	5	11/09/22 09:06	11/09/22 09:06	JAH	Mt. Juliet, TN

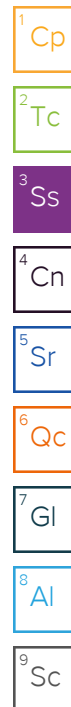
## MW6 L1551606-06 GW

Collected by  
C. Mace

Collected date/time  
10/27/22 11:10

Received date/time  
10/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1953833	1	11/03/22 11:42	11/03/22 13:44	DTM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1952692	10	11/04/22 01:53	11/04/22 01:53	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1954152	1	11/04/22 04:03	11/04/22 04:03	ACG	Mt. Juliet, TN



# SAMPLE SUMMARY

## MW7 L1551606-07 GW

Collected by  
C. Mace

Collected date/time  
10/27/22 12:10

Received date/time  
10/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1953833	1	11/03/22 11:42	11/03/22 13:44	DTM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1952692	20	11/04/22 02:06	11/04/22 02:06	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1954152	1	11/04/22 04:23	11/04/22 04:23	ACG	Mt. Juliet, TN

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## MW8 L1551606-08 GW

Collected by  
C. Mace

Collected date/time  
10/27/22 10:30

Received date/time  
10/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1953833	1	11/03/22 11:42	11/03/22 13:44	DTM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1952692	20	11/04/22 02:18	11/04/22 02:18	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1954152	1	11/04/22 04:44	11/04/22 04:44	ACG	Mt. Juliet, TN

## MW9 L1551606-09 GW

Collected by  
C. Mace

Collected date/time  
10/27/22 15:00

Received date/time  
10/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1953833	1	11/03/22 11:42	11/03/22 13:44	DTM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1952692	10	11/04/22 02:31	11/04/22 02:31	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1954152	10	11/04/22 11:21	11/04/22 11:21	ACG	Mt. Juliet, TN

## MW10 L1551606-10 GW

Collected by  
C. Mace

Collected date/time  
10/27/22 13:10

Received date/time  
10/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1953833	1	11/03/22 11:42	11/03/22 13:44	DTM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1952692	10	11/04/22 02:44	11/04/22 02:44	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1954152	1	11/04/22 05:04	11/04/22 05:04	ACG	Mt. Juliet, TN

## MW11 L1551606-11 GW

Collected by  
C. Mace

Collected date/time  
10/27/22 15:20

Received date/time  
10/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1953833	1	11/03/22 11:42	11/03/22 13:44	DTM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1952692	10	11/04/22 02:56	11/04/22 02:56	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1954152	1	11/04/22 06:37	11/04/22 06:37	ACG	Mt. Juliet, TN

## MW12 L1551606-12 GW

Collected by  
C. Mace

Collected date/time  
10/27/22 15:40

Received date/time  
10/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1953833	1	11/03/22 11:42	11/03/22 13:44	DTM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1952692	5	11/04/22 03:09	11/04/22 03:09	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1954152	1	11/04/22 06:57	11/04/22 06:57	ACG	Mt. Juliet, TN



# SAMPLE SUMMARY

## MW13 L1551606-13 GW

Collected by  
C. Mace

Collected date/time  
10/27/22 16:00

Received date/time  
10/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1953833	1	11/03/22 11:42	11/03/22 13:44	DTM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1952692	10	11/04/22 03:22	11/04/22 03:22	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1954152	1	11/04/22 07:17	11/04/22 07:17	ACG	Mt. Juliet, TN

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

## SW L1551606-14 GW

Collected by  
C. Mace

Collected date/time  
10/27/22 16:10

Received date/time  
10/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1953833	1	11/03/22 11:42	11/03/22 13:44	DTM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1952692	5	11/04/22 03:35	11/04/22 03:35	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1954152	1	11/04/22 07:38	11/04/22 07:38	ACG	Mt. Juliet, TN

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

# 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.

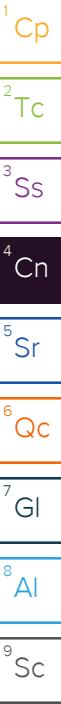


Chris Ward  
Project Manager

## Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
<a href="#">L1551606-05</a>	<a href="#">MW5</a>	8260B



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	916		20.0	1	11/03/2022 13:44	<a href="#">WG1953833</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	58.6		0.379	1.00	1	11/03/2022 23:33	<a href="#">WG1952692</a>
Sulfate	268	<u>V</u>	2.97	25.0	5	11/04/2022 00:11	<a href="#">WG1952692</a>

## 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	11/04/2022 05:46	<a href="#">WG1954138</a>
Toluene	0.000404	<u>J</u>	0.000278	0.00100	1	11/04/2022 05:46	<a href="#">WG1954138</a>
Ethylbenzene	0.000227	<u>J</u>	0.000137	0.00100	1	11/04/2022 05:46	<a href="#">WG1954138</a>
Xylenes, Total	U		0.000174	0.00300	1	11/04/2022 05:46	<a href="#">WG1954138</a>
Naphthalene	U		0.00100	0.00500	1	11/04/2022 05:46	<a href="#">WG1954138</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/04/2022 05:46	<a href="#">WG1954138</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/04/2022 05:46	<a href="#">WG1954138</a>
(S) Toluene-d8	96.4			80.0-120		11/04/2022 05:46	<a href="#">WG1954138</a>
(S) 4-Bromofluorobenzene	106			77.0-126		11/04/2022 05:46	<a href="#">WG1954138</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		11/04/2022 05:46	<a href="#">WG1954138</a>

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	1610		50.0	1	11/03/2022 13:44	<a href="#">WG1953833</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	73.3		3.79	10.0	10	11/04/2022 00:24	<a href="#">WG1952692</a>
Sulfate	768		5.94	50.0	10	11/04/2022 00:24	<a href="#">WG1952692</a>

## 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	0.000177	J	0.0000941	0.00100	1	11/04/2022 06:07	<a href="#">WG1954138</a>
Toluene	U		0.000278	0.00100	1	11/04/2022 06:07	<a href="#">WG1954138</a>
Ethylbenzene	0.000197	J	0.000137	0.00100	1	11/04/2022 06:07	<a href="#">WG1954138</a>
Xylenes, Total	0.000543	J	0.000174	0.00300	1	11/04/2022 06:07	<a href="#">WG1954138</a>
Naphthalene	U		0.00100	0.00500	1	11/04/2022 06:07	<a href="#">WG1954138</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/04/2022 06:07	<a href="#">WG1954138</a>
1,3,5-Trimethylbenzene	0.000237	J	0.000104	0.00100	1	11/04/2022 06:07	<a href="#">WG1954138</a>
(S) Toluene-d8	91.0			80.0-120		11/04/2022 06:07	<a href="#">WG1954138</a>
(S) 4-Bromofluorobenzene	105			77.0-126		11/04/2022 06:07	<a href="#">WG1954138</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		11/04/2022 06:07	<a href="#">WG1954138</a>

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	1500		50.0	1	11/03/2022 13:44	<a href="#">WG1953833</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	75.1		3.79	10.0	10	11/04/2022 00:49	<a href="#">WG1952692</a>
Sulfate	675		5.94	50.0	10	11/04/2022 00:49	<a href="#">WG1952692</a>

## 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	0.00622		0.0000941	0.00100	1	11/04/2022 06:29	<a href="#">WG1954138</a>
Toluene	U		0.000278	0.00100	1	11/04/2022 06:29	<a href="#">WG1954138</a>
Ethylbenzene	0.000592	J	0.000137	0.00100	1	11/04/2022 06:29	<a href="#">WG1954138</a>
Xylenes, Total	0.00255	J	0.000174	0.00300	1	11/04/2022 06:29	<a href="#">WG1954138</a>
Naphthalene	U		0.00100	0.00500	1	11/04/2022 06:29	<a href="#">WG1954138</a>
1,2,4-Trimethylbenzene	0.000356	J	0.000322	0.00100	1	11/04/2022 06:29	<a href="#">WG1954138</a>
1,3,5-Trimethylbenzene	0.000330	J	0.000104	0.00100	1	11/04/2022 06:29	<a href="#">WG1954138</a>
(S) Toluene-d8	101			80.0-120		11/04/2022 06:29	<a href="#">WG1954138</a>
(S) 4-Bromofluorobenzene	107			77.0-126		11/04/2022 06:29	<a href="#">WG1954138</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		11/04/2022 06:29	<a href="#">WG1954138</a>

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	1860		50.0	1	11/03/2022 13:44	<a href="#">WG1953833</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	105		7.58	20.0	20	11/04/2022 01:02	<a href="#">WG1952692</a>
Sulfate	953		11.9	100	20	11/04/2022 01:02	<a href="#">WG1952692</a>

## 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	11/04/2022 06:50	<a href="#">WG1954138</a>
Toluene	U		0.000278	0.00100	1	11/04/2022 06:50	<a href="#">WG1954138</a>
Ethylbenzene	U		0.000137	0.00100	1	11/04/2022 06:50	<a href="#">WG1954138</a>
Xylenes, Total	U		0.000174	0.00300	1	11/04/2022 06:50	<a href="#">WG1954138</a>
Naphthalene	U		0.00100	0.00500	1	11/04/2022 06:50	<a href="#">WG1954138</a>
1,2,4-Trimethylbenzene	0.000739	J	0.000322	0.00100	1	11/04/2022 06:50	<a href="#">WG1954138</a>
1,3,5-Trimethylbenzene	0.00103		0.000104	0.00100	1	11/04/2022 06:50	<a href="#">WG1954138</a>
(S) Toluene-d8	102			80.0-120		11/04/2022 06:50	<a href="#">WG1954138</a>
(S) 4-Bromofluorobenzene	105			77.0-126		11/04/2022 06:50	<a href="#">WG1954138</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		11/04/2022 06:50	<a href="#">WG1954138</a>

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	1550		50.0	1	11/03/2022 13:44	<a href="#">WG1953833</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	73.8		3.79	10.0	10	11/04/2022 01:40	<a href="#">WG1952692</a>
Sulfate	723		5.94	50.0	10	11/04/2022 01:40	<a href="#">WG1952692</a>

## 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	0.161		0.000471	0.00500	5	11/09/2022 09:06	<a href="#">WG1956163</a>
Toluene	0.000779	J	0.000278	0.00100	1	11/04/2022 07:12	<a href="#">WG1954138</a>
Ethylbenzene	0.0341		0.000137	0.00100	1	11/04/2022 07:12	<a href="#">WG1954138</a>
Xylenes, Total	0.0689		0.000174	0.00300	1	11/04/2022 07:12	<a href="#">WG1954138</a>
Naphthalene	U		0.00100	0.00500	1	11/04/2022 07:12	<a href="#">WG1954138</a>
1,2,4-Trimethylbenzene	0.00683		0.000322	0.00100	1	11/04/2022 07:12	<a href="#">WG1954138</a>
1,3,5-Trimethylbenzene	0.00877		0.000104	0.00100	1	11/04/2022 07:12	<a href="#">WG1954138</a>
(S) Toluene-d8	99.9			80.0-120		11/04/2022 07:12	<a href="#">WG1954138</a>
(S) Toluene-d8	99.5			80.0-120		11/09/2022 09:06	<a href="#">WG1956163</a>
(S) 4-Bromofluorobenzene	105			77.0-126		11/04/2022 07:12	<a href="#">WG1954138</a>
(S) 4-Bromofluorobenzene	103			77.0-126		11/09/2022 09:06	<a href="#">WG1956163</a>
(S) 1,2-Dichloroethane-d4	98.4			70.0-130		11/04/2022 07:12	<a href="#">WG1954138</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		11/09/2022 09:06	<a href="#">WG1956163</a>

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	1810		50.0	1	11/03/2022 13:44	<a href="#">WG1953833</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	113		3.79	10.0	10	11/04/2022 01:53	<a href="#">WG1952692</a>
Sulfate	932		5.94	50.0	10	11/04/2022 01:53	<a href="#">WG1952692</a>

## 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	11/04/2022 04:03	<a href="#">WG1954152</a>
Toluene	U		0.000278	0.00100	1	11/04/2022 04:03	<a href="#">WG1954152</a>
Ethylbenzene	0.000200	J	0.000137	0.00100	1	11/04/2022 04:03	<a href="#">WG1954152</a>
Xylenes, Total	U		0.000174	0.00300	1	11/04/2022 04:03	<a href="#">WG1954152</a>
Naphthalene	U		0.00100	0.00500	1	11/04/2022 04:03	<a href="#">WG1954152</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/04/2022 04:03	<a href="#">WG1954152</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/04/2022 04:03	<a href="#">WG1954152</a>
(S) Toluene-d8	107			80.0-120		11/04/2022 04:03	<a href="#">WG1954152</a>
(S) 4-Bromofluorobenzene	97.4			77.0-126		11/04/2022 04:03	<a href="#">WG1954152</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		11/04/2022 04:03	<a href="#">WG1954152</a>

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	2000		50.0	1	11/03/2022 13:44	<a href="#">WG1953833</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	108		7.58	20.0	20	11/04/2022 02:06	<a href="#">WG1952692</a>
Sulfate	994		11.9	100	20	11/04/2022 02:06	<a href="#">WG1952692</a>

## 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	0.0000947	J	0.0000941	0.00100	1	11/04/2022 04:23	<a href="#">WG1954152</a>
Toluene	0.000515	J	0.000278	0.00100	1	11/04/2022 04:23	<a href="#">WG1954152</a>
Ethylbenzene	0.000419	J	0.000137	0.00100	1	11/04/2022 04:23	<a href="#">WG1954152</a>
Xylenes, Total	0.000269	J	0.000174	0.00300	1	11/04/2022 04:23	<a href="#">WG1954152</a>
Naphthalene	U		0.00100	0.00500	1	11/04/2022 04:23	<a href="#">WG1954152</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/04/2022 04:23	<a href="#">WG1954152</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/04/2022 04:23	<a href="#">WG1954152</a>
(S) Toluene-d8	103			80.0-120		11/04/2022 04:23	<a href="#">WG1954152</a>
(S) 4-Bromofluorobenzene	96.6			77.0-126		11/04/2022 04:23	<a href="#">WG1954152</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		11/04/2022 04:23	<a href="#">WG1954152</a>

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	2120		50.0	1	11/03/2022 13:44	<a href="#">WG1953833</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	125		7.58	20.0	20	11/04/2022 02:18	<a href="#">WG1952692</a>
Sulfate	1120		11.9	100	20	11/04/2022 02:18	<a href="#">WG1952692</a>

## 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	11/04/2022 04:44	<a href="#">WG1954152</a>
Toluene	U		0.000278	0.00100	1	11/04/2022 04:44	<a href="#">WG1954152</a>
Ethylbenzene	U		0.000137	0.00100	1	11/04/2022 04:44	<a href="#">WG1954152</a>
Xylenes, Total	U		0.000174	0.00300	1	11/04/2022 04:44	<a href="#">WG1954152</a>
Naphthalene	U		0.00100	0.00500	1	11/04/2022 04:44	<a href="#">WG1954152</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/04/2022 04:44	<a href="#">WG1954152</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/04/2022 04:44	<a href="#">WG1954152</a>
(S) Toluene-d8	103			80.0-120		11/04/2022 04:44	<a href="#">WG1954152</a>
(S) 4-Bromofluorobenzene	96.9			77.0-126		11/04/2022 04:44	<a href="#">WG1954152</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		11/04/2022 04:44	<a href="#">WG1954152</a>

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

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1500		50.0	1	11/03/2022 13:44	<a href="#">WG1953833</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	76.4		3.79	10.0	10	11/04/2022 02:31	<a href="#">WG1952692</a>
Sulfate	653		5.94	50.0	10	11/04/2022 02:31	<a href="#">WG1952692</a>

## 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	0.239		0.000941	0.0100	10	11/04/2022 11:21	<a href="#">WG1954152</a>
Toluene	U		0.00278	0.0100	10	11/04/2022 11:21	<a href="#">WG1954152</a>
Ethylbenzene	0.0209		0.00137	0.0100	10	11/04/2022 11:21	<a href="#">WG1954152</a>
Xylenes, Total	0.113		0.00174	0.0300	10	11/04/2022 11:21	<a href="#">WG1954152</a>
Naphthalene	U		0.0100	0.0500	10	11/04/2022 11:21	<a href="#">WG1954152</a>
1,2,4-Trimethylbenzene	0.00825	J	0.00322	0.0100	10	11/04/2022 11:21	<a href="#">WG1954152</a>
1,3,5-Trimethylbenzene	0.00944	J	0.00104	0.0100	10	11/04/2022 11:21	<a href="#">WG1954152</a>
(S) Toluene-d8	99.9			80.0-120		11/04/2022 11:21	<a href="#">WG1954152</a>
(S) 4-Bromofluorobenzene	95.8			77.0-126		11/04/2022 11:21	<a href="#">WG1954152</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		11/04/2022 11:21	<a href="#">WG1954152</a>

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	1790		50.0	1	11/03/2022 13:44	<a href="#">WG1953833</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	73.0		3.79	10.0	10	11/04/2022 02:44	<a href="#">WG1952692</a>
Sulfate	887		5.94	50.0	10	11/04/2022 02:44	<a href="#">WG1952692</a>

## 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	11/04/2022 05:04	<a href="#">WG1954152</a>
Toluene	0.000502	J	0.000278	0.00100	1	11/04/2022 05:04	<a href="#">WG1954152</a>
Ethylbenzene	0.000381	J	0.000137	0.00100	1	11/04/2022 05:04	<a href="#">WG1954152</a>
Xylenes, Total	0.000254	J	0.000174	0.00300	1	11/04/2022 05:04	<a href="#">WG1954152</a>
Naphthalene	U		0.00100	0.00500	1	11/04/2022 05:04	<a href="#">WG1954152</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/04/2022 05:04	<a href="#">WG1954152</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/04/2022 05:04	<a href="#">WG1954152</a>
(S) Toluene-d8	101			80.0-120		11/04/2022 05:04	<a href="#">WG1954152</a>
(S) 4-Bromofluorobenzene	97.6			77.0-126		11/04/2022 05:04	<a href="#">WG1954152</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		11/04/2022 05:04	<a href="#">WG1954152</a>

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	1690		50.0	1	11/03/2022 13:44	<a href="#">WG1953833</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	81.3		3.79	10.0	10	11/04/2022 02:56	<a href="#">WG1952692</a>
Sulfate	771		5.94	50.0	10	11/04/2022 02:56	<a href="#">WG1952692</a>

## 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	0.000984	J	0.0000941	0.00100	1	11/04/2022 06:37	<a href="#">WG1954152</a>
Toluene	0.000467	J	0.000278	0.00100	1	11/04/2022 06:37	<a href="#">WG1954152</a>
Ethylbenzene	0.000591	J	0.000137	0.00100	1	11/04/2022 06:37	<a href="#">WG1954152</a>
Xylenes, Total	0.000416	J	0.000174	0.00300	1	11/04/2022 06:37	<a href="#">WG1954152</a>
Naphthalene	U		0.00100	0.00500	1	11/04/2022 06:37	<a href="#">WG1954152</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/04/2022 06:37	<a href="#">WG1954152</a>
1,3,5-Trimethylbenzene	0.000197	J	0.000104	0.00100	1	11/04/2022 06:37	<a href="#">WG1954152</a>
(S) Toluene-d8	102			80.0-120		11/04/2022 06:37	<a href="#">WG1954152</a>
(S) 4-Bromofluorobenzene	98.6			77.0-126		11/04/2022 06:37	<a href="#">WG1954152</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		11/04/2022 06:37	<a href="#">WG1954152</a>

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	1510		50.0	1	11/03/2022 13:44	<a href="#">WG1953833</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	82.0		1.90	5.00	5	11/04/2022 03:09	<a href="#">WG1952692</a>
Sulfate	645		2.97	25.0	5	11/04/2022 03:09	<a href="#">WG1952692</a>

## 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	0.000188	J	0.0000941	0.00100	1	11/04/2022 06:57	<a href="#">WG1954152</a>
Toluene	U		0.000278	0.00100	1	11/04/2022 06:57	<a href="#">WG1954152</a>
Ethylbenzene	U		0.000137	0.00100	1	11/04/2022 06:57	<a href="#">WG1954152</a>
Xylenes, Total	U		0.000174	0.00300	1	11/04/2022 06:57	<a href="#">WG1954152</a>
Naphthalene	U		0.00100	0.00500	1	11/04/2022 06:57	<a href="#">WG1954152</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/04/2022 06:57	<a href="#">WG1954152</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/04/2022 06:57	<a href="#">WG1954152</a>
(S) Toluene-d8	102			80.0-120		11/04/2022 06:57	<a href="#">WG1954152</a>
(S) 4-Bromofluorobenzene	95.3			77.0-126		11/04/2022 06:57	<a href="#">WG1954152</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		11/04/2022 06:57	<a href="#">WG1954152</a>

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	1910		50.0	1	11/03/2022 13:44	<a href="#">WG1953833</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	66.9		3.79	10.0	10	11/04/2022 03:22	<a href="#">WG1952692</a>
Sulfate	942		5.94	50.0	10	11/04/2022 03:22	<a href="#">WG1952692</a>

## 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	11/04/2022 07:17	<a href="#">WG1954152</a>
Toluene	0.000382	J	0.000278	0.00100	1	11/04/2022 07:17	<a href="#">WG1954152</a>
Ethylbenzene	0.000272	J	0.000137	0.00100	1	11/04/2022 07:17	<a href="#">WG1954152</a>
Xylenes, Total	U		0.000174	0.00300	1	11/04/2022 07:17	<a href="#">WG1954152</a>
Naphthalene	U		0.00100	0.00500	1	11/04/2022 07:17	<a href="#">WG1954152</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/04/2022 07:17	<a href="#">WG1954152</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/04/2022 07:17	<a href="#">WG1954152</a>
(S) Toluene-d8	102			80.0-120		11/04/2022 07:17	<a href="#">WG1954152</a>
(S) 4-Bromofluorobenzene	97.0			77.0-126		11/04/2022 07:17	<a href="#">WG1954152</a>
(S) 1,2-Dichloroethane-d4	107			70.0-130		11/04/2022 07:17	<a href="#">WG1954152</a>

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	1090		25.0	1	11/03/2022 13:44	<a href="#">WG1953833</a>

### Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	80.1		1.90	5.00	5	11/04/2022 03:35	<a href="#">WG1952692</a>
Sulfate	354		2.97	25.0	5	11/04/2022 03:35	<a href="#">WG1952692</a>

### 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	11/04/2022 07:38	<a href="#">WG1954152</a>
Toluene	U		0.000278	0.00100	1	11/04/2022 07:38	<a href="#">WG1954152</a>
Ethylbenzene	U		0.000137	0.00100	1	11/04/2022 07:38	<a href="#">WG1954152</a>
Xylenes, Total	U		0.000174	0.00300	1	11/04/2022 07:38	<a href="#">WG1954152</a>
Naphthalene	U		0.00100	0.00500	1	11/04/2022 07:38	<a href="#">WG1954152</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/04/2022 07:38	<a href="#">WG1954152</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/04/2022 07:38	<a href="#">WG1954152</a>
(S) Toluene-d8	102			80.0-120		11/04/2022 07:38	<a href="#">WG1954152</a>
(S) 4-Bromofluorobenzene	97.6			77.0-126		11/04/2022 07:38	<a href="#">WG1954152</a>
(S) 1,2-Dichloroethane-d4	111			70.0-130		11/04/2022 07:38	<a href="#">WG1954152</a>

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3857423-1 11/03/22 13:44

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

L1551634-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1551634-01 11/03/22 13:44 • (DUP) R3857423-3 11/03/22 13:44

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	622	654	1	5.02	<u>J3</u>	5

L1551710-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1551710-01 11/03/22 13:44 • (DUP) R3857423-4 11/03/22 13:44

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	326	333	1	2.12		5

Laboratory Control Sample (LCS)

(LCS) R3857423-2 11/03/22 13:44

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8570	97.4	77.3-123	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3857028-1 11/03/22 23:07

	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

L1551606-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1551606-02 11/04/22 00:24 • (DUP) R3857028-5 11/04/22 00:36

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	73.3	74.1	10	1.07		15
Sulfate	768	787	10	2.43		15

L1551727-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1551727-02 11/04/22 05:04 • (DUP) R3857028-6 11/04/22 05:16

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	3.74	3.70	1	1.10		15
Sulfate	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3857028-2 11/03/22 23:20

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	39.4	98.6	80.0-120	
Sulfate	40.0	39.7	99.3	80.0-120	

L1551606-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1551606-01 11/03/22 23:33 • (MS) R3857028-3 11/03/22 23:45 • (MSD) R3857028-4 11/03/22 23:58

	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	58.6	107	110	96.6	102	1	80.0-120			2.65	15
Sulfate	50.0	280	312	323	63.2	85.1	1	80.0-120	E V	E	3.44	15

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



L1551727-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1551727-02 11/04/22 05:04 • (MS) R3857028-7 11/04/22 05:29

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	3.74	54.6	102	1	80.0-120	
Sulfate	50.0	U	49.3	98.5	1	80.0-120	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3858269-3 11/04/22 01:09

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	100			80.0-120
(S) 4-Bromofluorobenzene	104			77.0-126
(S) 1,2-Dichloroethane-d4	105			70.0-130

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

(LCS) R3858269-1 11/04/22 00:05 • (LCSD) R3858269-2 11/04/22 00:27

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	0.00519	0.00561	104	112	70.0-123			7.78	20
Toluene	0.00500	0.00498	0.00543	99.6	109	79.0-120			8.65	20
Ethylbenzene	0.00500	0.00482	0.00521	96.4	104	79.0-123			7.78	20
Xylenes, Total	0.0150	0.0146	0.0157	97.3	105	79.0-123			7.26	20
Naphthalene	0.00500	0.00391	0.00416	78.2	83.2	54.0-135			6.20	20
1,2,4-Trimethylbenzene	0.00500	0.00527	0.00556	105	111	76.0-121			5.36	20
1,3,5-Trimethylbenzene	0.00500	0.00520	0.00560	104	112	76.0-122			7.41	20
(S) Toluene-d8				101	102	80.0-120				
(S) 4-Bromofluorobenzene				106	102	77.0-126				
(S) 1,2-Dichloroethane-d4				110	108	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3858359-3 11/04/22 03:22

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	94.3			77.0-126
(S) 1,2-Dichloroethane-d4	101			70.0-130

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

(LCS) R3858359-1 11/04/22 02:21 • (LCSD) R3858359-2 11/04/22 02:42

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	0.00527	0.00545	105	109	70.0-123			3.36	20
Toluene	0.00500	0.00507	0.00532	101	106	79.0-120			4.81	20
Ethylbenzene	0.00500	0.00514	0.00536	103	107	79.0-123			4.19	20
Xylenes, Total	0.0150	0.0151	0.0155	101	103	79.0-123			2.61	20
Naphthalene	0.00500	0.00395	0.00422	79.0	84.4	54.0-135			6.61	20
1,2,4-Trimethylbenzene	0.00500	0.00474	0.00490	94.8	98.0	76.0-121			3.32	20
1,3,5-Trimethylbenzene	0.00500	0.00496	0.00518	99.2	104	76.0-122			4.34	20
(S) Toluene-d8				102	103	80.0-120				
(S) 4-Bromofluorobenzene				96.2	95.2	77.0-126				
(S) 1,2-Dichloroethane-d4				101	101	70.0-130				

1  
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

8  
Al

9  
Sc

Method Blank (MB)

(MB) R3858893-3 11/08/22 23:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
(S) Toluene-d8	103			80.0-120
(S) 4-Bromofluorobenzene	97.2			77.0-126
(S) 1,2-Dichloroethane-d4	109			70.0-130

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

(LCS) R3858893-1 11/08/22 22:11 • (LCSD) R3858893-2 11/08/22 22:33

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	0.00538	0.00545	108	109	70.0-123			1.29	20
(S) Toluene-d8				101	99.9	80.0-120				
(S) 4-Bromofluorobenzene				104	106	77.0-126				
(S) 1,2-Dichloroethane-d4				101	103	70.0-130				

1  
Cp

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Qc

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Gl

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Al

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Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

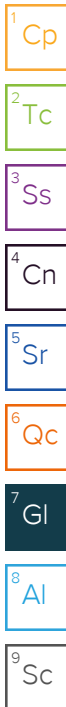
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

## Abbreviations and Definitions

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

Qualifier	Description
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



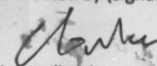
Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1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

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

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

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



Company Name/Address: <b>Entrada Consulting Group</b>  <b>330 Grand Avenue, Unit C</b> <b>Grand Junction, CO 81503</b>				Billing Information: <b>Same as left.</b>				Analysis / Container / Preservative										Chain of Custody Page <u>1</u> of <u>1</u>  L.A.B S.C.I.E.N.C.E.S YOUR LAB OF CHOICE 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859 			
Report to: <b>Matt Kasten</b>				Email To: <b>mkasten@entradainc.com</b>				<div style="display: flex; justify-content: space-around; font-weight: bold;"> <span>BTEX</span> <span>Napthalene</span> <span>Table 915 1, 2, 4 TMB, 1, 3, 5 TMB</span> <span>TDS</span> <span>Chloride</span> <span>Sulfate</span> </div>												L # <u>1951606</u> <b>B242</b>	
Project Description: <b>Baker Canyon</b>				City/State Collected: <b>CO</b>																Acctnum: <b>ENTCONGJCO</b> Template: <b>T180606</b> Prelogin: <b>P822085</b> TSR: Cooler:	
Phone: <b>(970) 901-9007</b> Fax:		Client Project # <b>021-054</b>		Lab Project #		Shipped Via:															
Collected by (print): <b>C. Mace</b>		Site/Facility ID #		P.O. #		Rem./Contaminant															
Collected by (signature):  Immediately Packed on Ice N ___ Y <input checked="" type="checkbox"/>		<b>Rush? (Lab MUST Be Notified)</b> ___ Same Day .....200% ___ Next Day .....100% ___ Two Day .....50% ___ Three Day .....25%		Date Results Needed  Email? ___ No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No ___ Yes		No. of Cntrs														Sample # (lab only)	
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs															
MW1	Grab	GW	34.03	2022-10-27	1240	5	X	X	X	X	X	X							-01		
MW2			25.3		1310														-02		
MW3			27.53		1330														-03		
MW4			25.65		1400														-04		
MW5			27.02		1420														-05		
MW6			24.48		1110														-06		
MW7			24.13		1210														-07		
MW8			23.03		1030														-08		
MW9			25.96		1500														-09		
MW10			28.06		1310														-10		

\* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other \_\_\_\_\_

Remarks: \_\_\_\_\_

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Hold # \_\_\_\_\_

Relinquished by: (Signature)	Date: <u>20221027</u>	Time: <u>1700</u>	Received by: (Signature)	Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____	Condition: (lab use only)
Relinquished by: (Signature)	Date: <u>22722</u>	Time: <u>1730</u>	Received by: (Signature)	Temp: <u>0.9+0.9</u> °C Bottles Received: <u>76</u>	COC Seal Intact: ___ Y ___ N ___ NA
Relinquished by: (Signature)	Date: _____	Time: _____	Received for lab by: (Signature)	Date: <u>10/28/22</u> Time: <u>0900</u>	pH Checked: _____ NCF: _____



[illegible]



## Entrada Consulting Group

Sample Delivery Group: L1565541  
Samples Received: 12/08/2022  
Project Number: 021-054  
Description: Baker Canyon

Report To: Matt Kasten  
330 Grand Avenue  
Suite C  
Grand Junction, CO 81501

Entire Report Reviewed By:



Chris Ward  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**

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

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

# SAMPLE SUMMARY

## MW1 L1565541-01 GW

Collected by  
C. Mace

Collected date/time  
12/06/22 12:30

Received date/time  
12/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1972599	1	12/11/22 15:13	12/12/22 16:07	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	10	12/09/22 16:09	12/09/22 16:09	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1973405	1	12/13/22 16:52	12/13/22 16:52	ADM	Mt. Juliet, TN

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## MW2 L1565541-02 GW

Collected by  
C. Mace

Collected date/time  
12/06/22 14:00

Received date/time  
12/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1972599	1	12/11/22 15:13	12/12/22 16:07	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	1	12/09/22 17:10	12/09/22 17:10	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	10	12/09/22 17:35	12/09/22 17:35	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1972464	1	12/11/22 18:04	12/11/22 18:04	ACG	Mt. Juliet, TN

## MW3 L1565541-03 GW

Collected by  
C. Mace

Collected date/time  
12/06/22 13:15

Received date/time  
12/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1972599	1	12/11/22 15:13	12/12/22 16:07	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	1	12/09/22 17:50	12/09/22 17:50	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	10	12/09/22 18:05	12/09/22 18:05	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1972464	1	12/11/22 18:23	12/11/22 18:23	ACG	Mt. Juliet, TN

## MW4 L1565541-04 GW

Collected by  
C. Mace

Collected date/time  
12/06/22 13:30

Received date/time  
12/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1972599	1	12/11/22 15:13	12/12/22 16:07	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	1	12/09/22 18:21	12/09/22 18:21	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	10	12/09/22 18:36	12/09/22 18:36	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1972464	1	12/11/22 18:43	12/11/22 18:43	ACG	Mt. Juliet, TN

## MW5 L1565541-05 GW

Collected by  
C. Mace

Collected date/time  
12/06/22 13:45

Received date/time  
12/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1972599	1	12/11/22 15:13	12/12/22 16:07	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	1	12/09/22 18:51	12/09/22 18:51	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	10	12/09/22 19:07	12/09/22 19:07	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1972464	1	12/11/22 19:02	12/11/22 19:02	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1975047	10	12/15/22 17:30	12/15/22 17:30	JAH	Mt. Juliet, TN

## MW6 L1565541-06 GW

Collected by  
C. Mace

Collected date/time  
12/06/22 15:30

Received date/time  
12/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1972599	1	12/11/22 15:13	12/12/22 16:07	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	1	12/09/22 19:22	12/09/22 19:22	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	20	12/09/22 19:38	12/09/22 19:38	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1972464	1	12/11/22 19:22	12/11/22 19:22	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1975047	1	12/15/22 16:22	12/15/22 16:22	JAH	Mt. Juliet, TN

# SAMPLE SUMMARY

## MW7 L1565541-07 GW

Collected by  
C. Mace

Collected date/time  
12/06/22 15:15

Received date/time  
12/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1972599	1	12/11/22 15:13	12/12/22 16:07	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	1	12/09/22 20:55	12/09/22 20:55	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	20	12/09/22 21:10	12/09/22 21:10	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1972464	1	12/11/22 19:41	12/11/22 19:41	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1975047	1	12/15/22 16:44	12/15/22 16:44	JAH	Mt. Juliet, TN

## MW8 L1565541-08 GW

Collected by  
C. Mace

Collected date/time  
12/06/22 15:00

Received date/time  
12/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1972599	1	12/11/22 15:13	12/12/22 16:07	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	1	12/09/22 21:26	12/09/22 21:26	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	20	12/09/22 21:41	12/09/22 21:41	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1972464	1	12/11/22 20:00	12/11/22 20:00	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1975047	1	12/15/22 17:07	12/15/22 17:07	JAH	Mt. Juliet, TN

## MW9 L1565541-09 GW

Collected by  
C. Mace

Collected date/time  
12/06/22 14:15

Received date/time  
12/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1972554	1	12/12/22 15:29	12/12/22 16:52	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	1	12/09/22 21:56	12/09/22 21:56	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	5	12/09/22 22:12	12/09/22 22:12	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1975047	5	12/15/22 17:52	12/15/22 17:52	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1975802	5	12/16/22 19:22	12/16/22 19:22	ADM	Mt. Juliet, TN

## MW10 L1565541-10 GW

Collected by  
C. Mace

Collected date/time  
12/06/22 13:00

Received date/time  
12/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1972554	1	12/12/22 15:29	12/12/22 16:52	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	1	12/09/22 22:27	12/09/22 22:27	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	5	12/09/22 22:43	12/09/22 22:43	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1972464	1	12/11/22 20:19	12/11/22 20:19	ACG	Mt. Juliet, TN

## MW11 L1565541-11 GW

Collected by  
C. Mace

Collected date/time  
12/06/22 14:30

Received date/time  
12/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1972554	1	12/12/22 15:29	12/12/22 16:52	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	1	12/09/22 23:34	12/09/22 23:34	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	5	12/09/22 23:50	12/09/22 23:50	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1972464	1	12/11/22 20:39	12/11/22 20:39	ACG	Mt. Juliet, TN

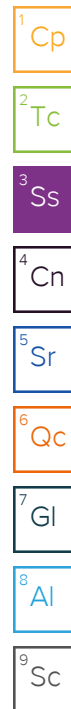
## MW12 L1565541-12 GW

Collected by  
C. Mace

Collected date/time  
12/06/22 14:45

Received date/time  
12/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1972554	1	12/12/22 15:29	12/12/22 16:52	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	1	12/10/22 00:05	12/10/22 00:05	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1971783	5	12/10/22 00:20	12/10/22 00:20	GEB	Mt. Juliet, TN



# SAMPLE SUMMARY

## MW12 L1565541-12 GW

Collected by  
C. Mace

Collected date/time  
12/06/22 14:45

Received date/time  
12/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1972464	1	12/11/22 20:58	12/11/22 20:58	ACG	Mt. Juliet, TN

## MW13 L1565541-13 GW

Collected by  
C. Mace

Collected date/time  
12/06/22 15:45

Received date/time  
12/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1972554	1	12/12/22 15:29	12/12/22 16:52	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1972091	1	12/10/22 01:38	12/10/22 01:38	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1972091	10	12/10/22 01:53	12/10/22 01:53	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1972464	1	12/11/22 21:17	12/11/22 21:17	ACG	Mt. Juliet, TN

## SW L1565541-14 GW

Collected by  
C. Mace

Collected date/time  
12/06/22 16:00

Received date/time  
12/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1972554	1	12/12/22 15:29	12/12/22 16:52	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1972091	1	12/10/22 02:08	12/10/22 02:08	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1973077	5	12/12/22 20:37	12/12/22 20:37	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1972464	1	12/11/22 21:36	12/11/22 21:36	ACG	Mt. Juliet, TN

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

# 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.

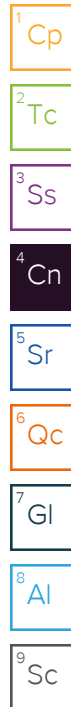


Chris Ward  
Project Manager

## Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
<a href="#">L1565541-05</a>	<a href="#">MW5</a>	8260B
<a href="#">L1565541-06</a>	<a href="#">MW6</a>	8260B
<a href="#">L1565541-07</a>	<a href="#">MW7</a>	8260B
<a href="#">L1565541-08</a>	<a href="#">MW8</a>	8260B
<a href="#">L1565541-09</a>	<a href="#">MW9</a>	8260B



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	998		20.0	1	12/12/2022 16:07	<a href="#">WG1972599</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	54.9	<a href="#">B</a>	10.0	10	12/09/2022 16:09	<a href="#">WG1971783</a>
Sulfate	298		50.0	10	12/09/2022 16:09	<a href="#">WG1971783</a>

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/13/2022 16:52	<a href="#">WG1973405</a>
Toluene	ND		0.00100	1	12/13/2022 16:52	<a href="#">WG1973405</a>
Ethylbenzene	ND		0.00100	1	12/13/2022 16:52	<a href="#">WG1973405</a>
Xylenes, Total	ND		0.00300	1	12/13/2022 16:52	<a href="#">WG1973405</a>
Naphthalene	ND		0.00500	1	12/13/2022 16:52	<a href="#">WG1973405</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/13/2022 16:52	<a href="#">WG1973405</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/13/2022 16:52	<a href="#">WG1973405</a>
(S) Toluene-d8	95.3		80.0-120		12/13/2022 16:52	<a href="#">WG1973405</a>
(S) 4-Bromofluorobenzene	101		77.0-126		12/13/2022 16:52	<a href="#">WG1973405</a>
(S) 1,2-Dichloroethane-d4	98.0		70.0-130		12/13/2022 16:52	<a href="#">WG1973405</a>

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

## Gravimetric Analysis by Method 2540 C-2011

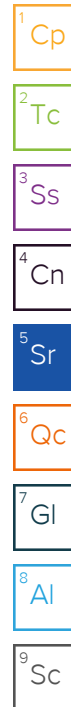
Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1680		25.0	1	12/12/2022 16:07	<a href="#">WG1972599</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	91.6		1.00	1	12/09/2022 17:10	<a href="#">WG1971783</a>
Sulfate	775		50.0	10	12/09/2022 17:35	<a href="#">WG1971783</a>

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/11/2022 18:04	<a href="#">WG1972464</a>
Toluene	ND		0.00100	1	12/11/2022 18:04	<a href="#">WG1972464</a>
Ethylbenzene	ND		0.00100	1	12/11/2022 18:04	<a href="#">WG1972464</a>
Xylenes, Total	ND		0.00300	1	12/11/2022 18:04	<a href="#">WG1972464</a>
Naphthalene	ND		0.00500	1	12/11/2022 18:04	<a href="#">WG1972464</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/11/2022 18:04	<a href="#">WG1972464</a>
1,3,5-Trimethylbenzene	0.00135		0.00100	1	12/11/2022 18:04	<a href="#">WG1972464</a>
(S) Toluene-d8	104		80.0-120		12/11/2022 18:04	<a href="#">WG1972464</a>
(S) 4-Bromofluorobenzene	104		77.0-126		12/11/2022 18:04	<a href="#">WG1972464</a>
(S) 1,2-Dichloroethane-d4	99.9		70.0-130		12/11/2022 18:04	<a href="#">WG1972464</a>





## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1560		25.0	1	12/12/2022 16:07	<a href="#">WG1972599</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	80.4		1.00	1	12/09/2022 17:50	<a href="#">WG1971783</a>
Sulfate	788		50.0	10	12/09/2022 18:05	<a href="#">WG1971783</a>

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.00970		0.00100	1	12/11/2022 18:23	<a href="#">WG1972464</a>
Toluene	0.00422		0.00100	1	12/11/2022 18:23	<a href="#">WG1972464</a>
Ethylbenzene	0.00119		0.00100	1	12/11/2022 18:23	<a href="#">WG1972464</a>
Xylenes, Total	0.00762		0.00300	1	12/11/2022 18:23	<a href="#">WG1972464</a>
Naphthalene	ND		0.00500	1	12/11/2022 18:23	<a href="#">WG1972464</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/11/2022 18:23	<a href="#">WG1972464</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/11/2022 18:23	<a href="#">WG1972464</a>
(S) Toluene-d8	105		80.0-120		12/11/2022 18:23	<a href="#">WG1972464</a>
(S) 4-Bromofluorobenzene	106		77.0-126		12/11/2022 18:23	<a href="#">WG1972464</a>
(S) 1,2-Dichloroethane-d4	101		70.0-130		12/11/2022 18:23	<a href="#">WG1972464</a>

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 date / time	Batch
Dissolved Solids	1840		50.0	1	12/12/2022 16:07	<a href="#">WG1972599</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	107		1.00	1	12/09/2022 18:21	<a href="#">WG1971783</a>
Sulfate	897		50.0	10	12/09/2022 18:36	<a href="#">WG1971783</a>

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.00775		0.00100	1	12/11/2022 18:43	<a href="#">WG1972464</a>
Toluene	ND		0.00100	1	12/11/2022 18:43	<a href="#">WG1972464</a>
Ethylbenzene	ND		0.00100	1	12/11/2022 18:43	<a href="#">WG1972464</a>
Xylenes, Total	ND		0.00300	1	12/11/2022 18:43	<a href="#">WG1972464</a>
Naphthalene	ND		0.00500	1	12/11/2022 18:43	<a href="#">WG1972464</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/11/2022 18:43	<a href="#">WG1972464</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/11/2022 18:43	<a href="#">WG1972464</a>
(S) Toluene-d8	106		80.0-120		12/11/2022 18:43	<a href="#">WG1972464</a>
(S) 4-Bromofluorobenzene	102		77.0-126		12/11/2022 18:43	<a href="#">WG1972464</a>
(S) 1,2-Dichloroethane-d4	96.8		70.0-130		12/11/2022 18:43	<a href="#">WG1972464</a>

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	1540		25.0	1	12/12/2022 16:07	<a href="#">WG1972599</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	84.2		1.00	1	12/09/2022 18:51	<a href="#">WG1971783</a>
Sulfate	763		50.0	10	12/09/2022 19:07	<a href="#">WG1971783</a>

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Benzene	0.302		0.0100	10	12/15/2022 17:30	<a href="#">WG1975047</a>
Toluene	ND		0.00100	1	12/11/2022 19:02	<a href="#">WG1972464</a>
Ethylbenzene	0.0477		0.00100	1	12/11/2022 19:02	<a href="#">WG1972464</a>
Xylenes, Total	0.0865		0.00300	1	12/11/2022 19:02	<a href="#">WG1972464</a>
Naphthalene	ND		0.00500	1	12/11/2022 19:02	<a href="#">WG1972464</a>
1,2,4-Trimethylbenzene	0.00785		0.00100	1	12/11/2022 19:02	<a href="#">WG1972464</a>
1,3,5-Trimethylbenzene	0.0126		0.00100	1	12/11/2022 19:02	<a href="#">WG1972464</a>
(S) Toluene-d8	101		80.0-120		12/11/2022 19:02	<a href="#">WG1972464</a>
(S) Toluene-d8	110		80.0-120		12/15/2022 17:30	<a href="#">WG1975047</a>
(S) 4-Bromofluorobenzene	101		77.0-126		12/11/2022 19:02	<a href="#">WG1972464</a>
(S) 4-Bromofluorobenzene	91.6		77.0-126		12/15/2022 17:30	<a href="#">WG1975047</a>
(S) 1,2-Dichloroethane-d4	95.2		70.0-130		12/11/2022 19:02	<a href="#">WG1972464</a>
(S) 1,2-Dichloroethane-d4	117		70.0-130		12/15/2022 17:30	<a href="#">WG1975047</a>

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	1800		50.0	1	12/12/2022 16:07	<a href="#">WG1972599</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	122		1.00	1	12/09/2022 19:22	<a href="#">WG1971783</a>
Sulfate	904		100	20	12/09/2022 19:38	<a href="#">WG1971783</a>

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Benzene	ND		0.00100	1	12/15/2022 16:22	<a href="#">WG1975047</a>
Toluene	ND		0.00100	1	12/11/2022 19:22	<a href="#">WG1972464</a>
Ethylbenzene	ND		0.00100	1	12/11/2022 19:22	<a href="#">WG1972464</a>
Xylenes, Total	ND		0.00300	1	12/11/2022 19:22	<a href="#">WG1972464</a>
Naphthalene	ND		0.00500	1	12/11/2022 19:22	<a href="#">WG1972464</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/11/2022 19:22	<a href="#">WG1972464</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/11/2022 19:22	<a href="#">WG1972464</a>
(S) Toluene-d8	105		80.0-120		12/11/2022 19:22	<a href="#">WG1972464</a>
(S) Toluene-d8	108		80.0-120		12/15/2022 16:22	<a href="#">WG1975047</a>
(S) 4-Bromofluorobenzene	103		77.0-126		12/11/2022 19:22	<a href="#">WG1972464</a>
(S) 4-Bromofluorobenzene	92.9		77.0-126		12/15/2022 16:22	<a href="#">WG1975047</a>
(S) 1,2-Dichloroethane-d4	96.9		70.0-130		12/11/2022 19:22	<a href="#">WG1972464</a>
(S) 1,2-Dichloroethane-d4	123		70.0-130		12/15/2022 16:22	<a href="#">WG1975047</a>

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	1910		50.0	1	12/12/2022 16:07	<a href="#">WG1972599</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	119		1.00	1	12/09/2022 20:55	<a href="#">WG1971783</a>
Sulfate	980		100	20	12/09/2022 21:10	<a href="#">WG1971783</a>

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Benzene	ND		0.00100	1	12/15/2022 16:44	<a href="#">WG1975047</a>
Toluene	ND		0.00100	1	12/11/2022 19:41	<a href="#">WG1972464</a>
Ethylbenzene	ND		0.00100	1	12/11/2022 19:41	<a href="#">WG1972464</a>
Xylenes, Total	ND		0.00300	1	12/11/2022 19:41	<a href="#">WG1972464</a>
Naphthalene	ND		0.00500	1	12/11/2022 19:41	<a href="#">WG1972464</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/11/2022 19:41	<a href="#">WG1972464</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/11/2022 19:41	<a href="#">WG1972464</a>
(S) Toluene-d8	105		80.0-120		12/11/2022 19:41	<a href="#">WG1972464</a>
(S) Toluene-d8	112		80.0-120		12/15/2022 16:44	<a href="#">WG1975047</a>
(S) 4-Bromofluorobenzene	105		77.0-126		12/11/2022 19:41	<a href="#">WG1972464</a>
(S) 4-Bromofluorobenzene	92.7		77.0-126		12/15/2022 16:44	<a href="#">WG1975047</a>
(S) 1,2-Dichloroethane-d4	101		70.0-130		12/11/2022 19:41	<a href="#">WG1972464</a>
(S) 1,2-Dichloroethane-d4	121		70.0-130		12/15/2022 16:44	<a href="#">WG1975047</a>

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 date / time	Batch
Dissolved Solids	1970		50.0	1	12/12/2022 16:07	<a href="#">WG1972599</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	123		1.00	1	12/09/2022 21:26	<a href="#">WG1971783</a>
Sulfate	1030		100	20	12/09/2022 21:41	<a href="#">WG1971783</a>

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/15/2022 17:07	<a href="#">WG1975047</a>
Toluene	ND		0.00100	1	12/11/2022 20:00	<a href="#">WG1972464</a>
Ethylbenzene	ND		0.00100	1	12/11/2022 20:00	<a href="#">WG1972464</a>
Xylenes, Total	ND		0.00300	1	12/11/2022 20:00	<a href="#">WG1972464</a>
Naphthalene	ND		0.00500	1	12/11/2022 20:00	<a href="#">WG1972464</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/11/2022 20:00	<a href="#">WG1972464</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/11/2022 20:00	<a href="#">WG1972464</a>
(S) Toluene-d8	107		80.0-120		12/11/2022 20:00	<a href="#">WG1972464</a>
(S) Toluene-d8	107		80.0-120		12/15/2022 17:07	<a href="#">WG1975047</a>
(S) 4-Bromofluorobenzene	103		77.0-126		12/11/2022 20:00	<a href="#">WG1972464</a>
(S) 4-Bromofluorobenzene	90.3		77.0-126		12/15/2022 17:07	<a href="#">WG1975047</a>
(S) 1,2-Dichloroethane-d4	97.6		70.0-130		12/11/2022 20:00	<a href="#">WG1972464</a>
(S) 1,2-Dichloroethane-d4	125		70.0-130		12/15/2022 17:07	<a href="#">WG1975047</a>

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 date / time	Batch
Dissolved Solids	1480		25.0	1	12/12/2022 16:52	<a href="#">WG1972554</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	79.9		1.00	1	12/09/2022 21:56	<a href="#">WG1971783</a>
Sulfate	658		25.0	5	12/09/2022 22:12	<a href="#">WG1971783</a>

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.165		0.00500	5	12/15/2022 17:52	<a href="#">WG1975047</a>
Toluene	ND		0.00500	5	12/15/2022 17:52	<a href="#">WG1975047</a>
Ethylbenzene	0.0124		0.00500	5	12/15/2022 17:52	<a href="#">WG1975047</a>
Xylenes, Total	0.0925		0.0150	5	12/15/2022 17:52	<a href="#">WG1975047</a>
Naphthalene	ND		0.0250	5	12/16/2022 19:22	<a href="#">WG1975802</a>
1,2,4-Trimethylbenzene	0.00635		0.00500	5	12/15/2022 17:52	<a href="#">WG1975047</a>
1,3,5-Trimethylbenzene	0.00735		0.00500	5	12/15/2022 17:52	<a href="#">WG1975047</a>
(S) Toluene-d8	108		80.0-120		12/15/2022 17:52	<a href="#">WG1975047</a>
(S) Toluene-d8	101		80.0-120		12/16/2022 19:22	<a href="#">WG1975802</a>
(S) 4-Bromofluorobenzene	94.4		77.0-126		12/15/2022 17:52	<a href="#">WG1975047</a>
(S) 4-Bromofluorobenzene	93.6		77.0-126		12/16/2022 19:22	<a href="#">WG1975802</a>
(S) 1,2-Dichloroethane-d4	117		70.0-130		12/15/2022 17:52	<a href="#">WG1975047</a>
(S) 1,2-Dichloroethane-d4	90.1		70.0-130		12/16/2022 19:22	<a href="#">WG1975802</a>

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 date / time	Batch
Dissolved Solids	1480		25.0	1	12/12/2022 16:52	<a href="#">WG1972554</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	69.2		1.00	1	12/09/2022 22:27	<a href="#">WG1971783</a>
Sulfate	628		25.0	5	12/09/2022 22:43	<a href="#">WG1971783</a>

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/11/2022 20:19	<a href="#">WG1972464</a>
Toluene	ND		0.00100	1	12/11/2022 20:19	<a href="#">WG1972464</a>
Ethylbenzene	ND		0.00100	1	12/11/2022 20:19	<a href="#">WG1972464</a>
Xylenes, Total	ND		0.00300	1	12/11/2022 20:19	<a href="#">WG1972464</a>
Naphthalene	ND		0.00500	1	12/11/2022 20:19	<a href="#">WG1972464</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/11/2022 20:19	<a href="#">WG1972464</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/11/2022 20:19	<a href="#">WG1972464</a>
(S) Toluene-d8	105		80.0-120		12/11/2022 20:19	<a href="#">WG1972464</a>
(S) 4-Bromofluorobenzene	105		77.0-126		12/11/2022 20:19	<a href="#">WG1972464</a>
(S) 1,2-Dichloroethane-d4	98.4		70.0-130		12/11/2022 20:19	<a href="#">WG1972464</a>

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 date / time	Batch
Dissolved Solids	1590		25.0	1	12/12/2022 16:52	<a href="#">WG1972554</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	84.9		1.00	1	12/09/2022 23:34	<a href="#">WG1971783</a>
Sulfate	717		25.0	5	12/09/2022 23:50	<a href="#">WG1971783</a>

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/11/2022 20:39	<a href="#">WG1972464</a>
Toluene	ND		0.00100	1	12/11/2022 20:39	<a href="#">WG1972464</a>
Ethylbenzene	ND		0.00100	1	12/11/2022 20:39	<a href="#">WG1972464</a>
Xylenes, Total	ND		0.00300	1	12/11/2022 20:39	<a href="#">WG1972464</a>
Naphthalene	ND		0.00500	1	12/11/2022 20:39	<a href="#">WG1972464</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/11/2022 20:39	<a href="#">WG1972464</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/11/2022 20:39	<a href="#">WG1972464</a>
(S) Toluene-d8	104		80.0-120		12/11/2022 20:39	<a href="#">WG1972464</a>
(S) 4-Bromofluorobenzene	103		77.0-126		12/11/2022 20:39	<a href="#">WG1972464</a>
(S) 1,2-Dichloroethane-d4	101		70.0-130		12/11/2022 20:39	<a href="#">WG1972464</a>

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	1520		25.0	1	12/12/2022 16:52	<a href="#">WG1972554</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	86.1		1.00	1	12/10/2022 00:05	<a href="#">WG1971783</a>
Sulfate	666		25.0	5	12/10/2022 00:20	<a href="#">WG1971783</a>

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Benzene	ND		0.00100	1	12/11/2022 20:58	<a href="#">WG1972464</a>
Toluene	ND		0.00100	1	12/11/2022 20:58	<a href="#">WG1972464</a>
Ethylbenzene	ND		0.00100	1	12/11/2022 20:58	<a href="#">WG1972464</a>
Xylenes, Total	ND		0.00300	1	12/11/2022 20:58	<a href="#">WG1972464</a>
Naphthalene	ND		0.00500	1	12/11/2022 20:58	<a href="#">WG1972464</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/11/2022 20:58	<a href="#">WG1972464</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/11/2022 20:58	<a href="#">WG1972464</a>
(S) Toluene-d8	103		80.0-120		12/11/2022 20:58	<a href="#">WG1972464</a>
(S) 4-Bromofluorobenzene	102		77.0-126		12/11/2022 20:58	<a href="#">WG1972464</a>
(S) 1,2-Dichloroethane-d4	99.9		70.0-130		12/11/2022 20:58	<a href="#">WG1972464</a>

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 date / time	Batch
Dissolved Solids	1580		25.0	1	12/12/2022 16:52	<a href="#">WG1972554</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	70.6		1.00	1	12/10/2022 01:38	<a href="#">WG1972091</a>
Sulfate	679		50.0	10	12/10/2022 01:53	<a href="#">WG1972091</a>

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/11/2022 21:17	<a href="#">WG1972464</a>
Toluene	ND		0.00100	1	12/11/2022 21:17	<a href="#">WG1972464</a>
Ethylbenzene	ND		0.00100	1	12/11/2022 21:17	<a href="#">WG1972464</a>
Xylenes, Total	ND		0.00300	1	12/11/2022 21:17	<a href="#">WG1972464</a>
Naphthalene	ND		0.00500	1	12/11/2022 21:17	<a href="#">WG1972464</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/11/2022 21:17	<a href="#">WG1972464</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/11/2022 21:17	<a href="#">WG1972464</a>
(S) Toluene-d8	107		80.0-120		12/11/2022 21:17	<a href="#">WG1972464</a>
(S) 4-Bromofluorobenzene	104		77.0-126		12/11/2022 21:17	<a href="#">WG1972464</a>
(S) 1,2-Dichloroethane-d4	96.8		70.0-130		12/11/2022 21:17	<a href="#">WG1972464</a>

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 date / time	Batch
Dissolved Solids	803		13.3	1	12/12/2022 16:52	<a href="#">WG1972554</a>

### Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	59.0		1.00	1	12/10/2022 02:08	<a href="#">WG1972091</a>
Sulfate	210		25.0	5	12/12/2022 20:37	<a href="#">WG1973077</a>

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/11/2022 21:36	<a href="#">WG1972464</a>
Toluene	ND		0.00100	1	12/11/2022 21:36	<a href="#">WG1972464</a>
Ethylbenzene	ND		0.00100	1	12/11/2022 21:36	<a href="#">WG1972464</a>
Xylenes, Total	ND		0.00300	1	12/11/2022 21:36	<a href="#">WG1972464</a>
Naphthalene	ND		0.00500	1	12/11/2022 21:36	<a href="#">WG1972464</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/11/2022 21:36	<a href="#">WG1972464</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/11/2022 21:36	<a href="#">WG1972464</a>
(S) Toluene-d8	105		80.0-120		12/11/2022 21:36	<a href="#">WG1972464</a>
(S) 4-Bromofluorobenzene	105		77.0-126		12/11/2022 21:36	<a href="#">WG1972464</a>
(S) 1,2-Dichloroethane-d4	98.3		70.0-130		12/11/2022 21:36	<a href="#">WG1972464</a>

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3871708-1 12/12/22 16:52

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

L1565541-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1565541-14 12/12/22 16:52 • (DUP) R3871708-3 12/12/22 16:52

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	803	816	1	1.65		5

L1565893-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1565893-03 12/12/22 16:52 • (DUP) R3871708-4 12/12/22 16:52

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	354	362	1	2.23		5

Laboratory Control Sample (LCS)

(LCS) R3871708-2 12/12/22 16:52

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8370	95.1	77.3-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3871725-1 12/12/22 16:07

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

L1565373-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1565373-02 12/12/22 16:07 • (DUP) R3871725-3 12/12/22 16:07

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	745	771	1	3.34		5

L1565373-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1565373-03 12/12/22 16:07 • (DUP) R3871725-4 12/12/22 16:07

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	636	655	1	2.89		5

Laboratory Control Sample (LCS)

(LCS) R3871725-2 12/12/22 16:07

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8550	97.2	77.3-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3870710-1 12/09/22 09:58

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	0.589	⌵	0.379	1.00
Sulfate	U		0.594	5.00

L1565116-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1565116-02 12/09/22 11:46 • (DUP) R3870710-3 12/09/22 12:01

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	3.06	2.87	1	6.50		15

L1565273-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1565273-02 12/09/22 13:19 • (DUP) R3870710-6 12/09/22 20:24

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	12.8	12.8	1	0.173		15
Sulfate	5.49	5.64	1	2.71		15

Laboratory Control Sample (LCS)

(LCS) R3870710-2 12/09/22 10:14

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	39.0	97.5	80.0-120	
Sulfate	40.0	37.1	92.7	80.0-120	

L1565116-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1565116-02 12/09/22 11:46 • (MS) R3870710-4 12/09/22 12:18 • (MSD) R3870710-5 12/09/22 12:33

	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	3.06	54.3	52.0	102	97.9	1	80.0-120			4.26	15

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1565273-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1565273-02 12/09/22 13:19 • (MS) R3870710-7 12/09/22 20:39

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	12.8	62.2	98.6	1	80.0-120	
Sulfate	50.0	5.49	53.5	95.9	1	80.0-120	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) R3870719-1 12/10/22 01:07

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

L1565541-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1565541-14 12/10/22 02:08 • (DUP) R3870719-3 12/10/22 02:24

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	59.0	58.1	1	1.64		15
Sulfate	228	218	1	4.47	E	15

L1565565-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1565565-11 12/10/22 07:17 • (DUP) R3870719-6 12/10/22 07:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	84.7	85.6	1	1.09		15
Sulfate	112	115	1	2.64		15

Laboratory Control Sample (LCS)

(LCS) R3870719-2 12/10/22 01:22

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Chloride	40.0	37.8	94.5	80.0-120	
Sulfate	40.0	36.9	92.2	80.0-120	

L1565541-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1565541-14 12/10/22 02:08 • (MS) R3870719-4 12/10/22 02:39 • (MSD) R3870719-5 12/10/22 02:55

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	59.0	109	108	99.5	97.7	1	80.0-120			0.851	15
Sulfate	50.0	228	260	267	65.0	78.3	1	80.0-120	E V	E V	2.53	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1565565-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1565565-11 12/10/22 07:17 • (MS) R3870719-7 12/10/22 07:47

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	84.7	135	101	1	80.0-120	
Sulfate	50.0	112	158	91.8	1	80.0-120	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3871050-1 12/12/22 10:03

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Sulfate	0.811	⬇	0.594	5.00

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1559122-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1559122-03 12/12/22 18:04 • (DUP) R3871050-3 12/12/22 18:16

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfate	271	271	5	0.120		15

L1565565-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1565565-08 12/12/22 20:49 • (DUP) R3871050-6 12/12/22 21:02

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfate	386	373	5	3.55		15

Laboratory Control Sample (LCS)

(LCS) R3871050-2 12/12/22 10:16

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Sulfate	40.0	38.7	96.7	80.0-120	

L1564962-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1564962-01 12/12/22 19:33 • (MS) R3871050-4 12/12/22 19:46 • (MSD) R3871050-5 12/12/22 19:58

	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	%	%		%			%	%
Sulfate	50.0	38.7	86.5	87.1	95.7	96.9	1	80.0-120			0.688	15

L1566271-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1566271-03 12/12/22 21:40 • (MS) R3871050-7 12/12/22 21:53

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Sulfate	50.0	ND	52.6	99.3	1	80.0-120	

Method Blank (MB)

(MB) R3872181-3 12/11/22 14:23

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	104			80.0-120
(S) 4-Bromofluorobenzene	102			77.0-126
(S) 1,2-Dichloroethane-d4	98.3			70.0-130

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

(LCS) R3872181-1 12/11/22 10:17 • (LCSD) R3872181-2 12/11/22 10:36

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	0.00549	0.00545	110	109	70.0-123			0.731	20
Toluene	0.00500	0.00531	0.00531	106	106	79.0-120			0.000	20
Ethylbenzene	0.00500	0.00524	0.00545	105	109	79.0-123			3.93	20
Xylenes, Total	0.0150	0.0169	0.0167	113	111	79.0-123			1.19	20
Naphthalene	0.00500	0.00517	0.00580	103	116	54.0-135			11.5	20
1,2,4-Trimethylbenzene	0.00500	0.00564	0.00571	113	114	76.0-121			1.23	20
1,3,5-Trimethylbenzene	0.00500	0.00570	0.00584	114	117	76.0-122			2.43	20
(S) Toluene-d8				103	103	80.0-120				
(S) 4-Bromofluorobenzene				103	103	77.0-126				
(S) 1,2-Dichloroethane-d4				97.0	97.2	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3871355-3 12/13/22 14:15

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	98.1			80.0-120
(S) 4-Bromofluorobenzene	96.4			77.0-126
(S) 1,2-Dichloroethane-d4	97.9			70.0-130

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

(LCS) R3871355-1 12/13/22 13:18 • (LCSD) R3871355-2 12/13/22 13:37

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	0.00485	0.00492	97.0	98.4	70.0-123			1.43	20
Toluene	0.00500	0.00434	0.00474	86.8	94.8	79.0-120			8.81	20
Ethylbenzene	0.00500	0.00447	0.00472	89.4	94.4	79.0-123			5.44	20
Xylenes, Total	0.0150	0.0134	0.0139	89.3	92.7	79.0-123			3.66	20
Naphthalene	0.00500	0.00291	0.00306	58.2	61.2	54.0-135			5.03	20
1,2,4-Trimethylbenzene	0.00500	0.00442	0.00461	88.4	92.2	76.0-121			4.21	20
1,3,5-Trimethylbenzene	0.00500	0.00441	0.00474	88.2	94.8	76.0-122			7.21	20
(S) Toluene-d8				91.9	95.0	80.0-120				
(S) 4-Bromofluorobenzene				97.1	96.0	77.0-126				
(S) 1,2-Dichloroethane-d4				104	98.3	70.0-130				

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3872795-3 12/15/22 12:08

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
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
(S) Toluene-d8	109			80.0-120
(S) 4-Bromofluorobenzene	94.1			77.0-126
(S) 1,2-Dichloroethane-d4	123			70.0-130

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

(LCS) R3872795-1 12/15/22 10:37 • (LCSD) R3872795-4 12/15/22 12:44

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	0.00448	0.00458	89.6	91.6	70.0-123			2.21	20
Toluene	0.00500	0.00501	0.00508	100	102	79.0-120			1.39	20
Ethylbenzene	0.00500	0.00496	0.00469	99.2	93.8	79.0-123			5.60	20
Xylenes, Total	0.0150	0.0145	0.0145	96.7	96.7	79.0-123			0.000	20
1,2,4-Trimethylbenzene	0.00500	0.00427	0.00449	85.4	89.8	76.0-121			5.02	20
1,3,5-Trimethylbenzene	0.00500	0.00413	0.00436	82.6	87.2	76.0-122			5.42	20
(S) Toluene-d8				108	109	80.0-120				
(S) 4-Bromofluorobenzene				97.1	93.3	77.0-126				
(S) 1,2-Dichloroethane-d4				120	120	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3872944-3 12/16/22 13:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Naphthalene	U		0.00100	0.00500
(S) Toluene-d8	102			80.0-120
(S) 4-Bromofluorobenzene	91.7			77.0-126
(S) 1,2-Dichloroethane-d4	89.5			70.0-130

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

(LCS) R3872944-1 12/16/22 12:16 • (LCSD) R3872944-2 12/16/22 12:37

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 %
Naphthalene	0.00500	0.00451	0.00476	90.2	95.2	54.0-135			5.39	20
(S) Toluene-d8				99.7	102	80.0-120				
(S) 4-Bromofluorobenzene				95.3	96.7	77.0-126				
(S) 1,2-Dichloroethane-d4				95.9	94.6	70.0-130				

1  
Cp

2  
Tc

3  
Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

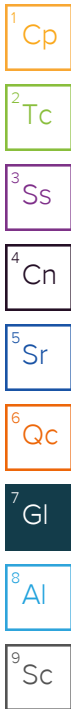
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

## Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
V	The sample concentration is too high to evaluate accurate spike recoveries.





# ACCREDITATIONS & LOCATIONS

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



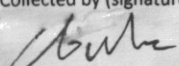
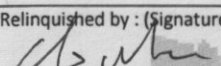
Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1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

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

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

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



Company Name/Address: <b>Entrada Consulting Group</b>  <b>330 Grand Avenue, Unit C</b> <b>Grand Junction, CO 81503</b>				Billing Information: <b>Same as left.</b>				Analysis / Container / Preservative										Chain of Custody Page <u>1</u> of <u>1</u>  L.A.B S.C.I.E.N.C.E.S <hr/> YOUR LAB OF CHOICE 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859  <hr/> L # <u>1565541</u> <div style="border: 1px solid black; padding: 5px; text-align: center; font-weight: bold;">B188</div> <hr/> Acctnum: <b>ENTCONGJCO</b> Template: <b>T180606</b> Prelogin: <b>P822085</b> TSR: Cooler: Shipped Via:																																																																																																			
Report to: <b>Matt Kasten</b>				Email To: <b>mkasten@entradainc.com</b>				<div style="display: flex; justify-content: space-around; font-weight: bold;"> <span>BTEX</span> <span>Napthalene</span> <span>Table 915 1, 2, 4 TMB, 1, 3, 5 TMB</span> <span>TDS</span> <span>Chloride</span> <span>Sulfate</span> </div>																																																																																																													
Project Description: <b>Baker Canyon</b>				City/State Collected: <b>CO</b>																																																																																																																	
Phone: <b>(970) 901-9007</b> Fax:		Client Project # <b>021-054</b>		Lab Project #																																																																																																																	
Collected by (print): <b>C. Mace</b>		Site/Facility ID #		P.O. #																																																																																																																	
Collected by (signature):  Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>		<b>Rush?</b> (Lab MUST Be Notified) <input type="checkbox"/> Same Day .....200% <input type="checkbox"/> Next Day .....100% <input type="checkbox"/> Two Day .....50% <input type="checkbox"/> Three Day .....25%		Date Results Needed  Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes																																																																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Sample ID</th> <th>Comp/Grab</th> <th>Matrix *</th> <th>Depth</th> <th>Date</th> <th>Time</th> <th>No. of Cntrs</th> </tr> </thead> <tbody> <tr><td>MW1</td><td>Grab</td><td>GW</td><td>34.00</td><td>2022-12-06</td><td>1230</td><td>5</td></tr> <tr><td>MW2</td><td>Grab</td><td>GW</td><td>25.37</td><td></td><td>1400</td><td>5</td></tr> <tr><td>MW3</td><td>Grab</td><td>GW</td><td>27.61</td><td></td><td>1315</td><td>5</td></tr> <tr><td>MW4</td><td>Grab</td><td>GW</td><td>27.53</td><td></td><td>1330</td><td>5</td></tr> <tr><td>MW5</td><td>Grab</td><td>GW</td><td>27.06</td><td></td><td>1345</td><td>5</td></tr> <tr><td>MW6</td><td>Grab</td><td>GW</td><td>24.58</td><td></td><td>1530</td><td>5</td></tr> <tr><td>MW7</td><td>Grab</td><td>GW</td><td>24.18</td><td></td><td>1515</td><td>5</td></tr> <tr><td>MW8</td><td>Grab</td><td>GW</td><td>23.03</td><td></td><td>1500</td><td>5</td></tr> <tr><td>MW9</td><td>Grab</td><td>GW</td><td>25.98</td><td></td><td>1415</td><td>5</td></tr> <tr><td>MW10</td><td>Grab</td><td>GW</td><td>28.2</td><td></td><td>1300</td><td>5</td></tr> </tbody> </table>							Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	MW1	Grab	GW	34.00	2022-12-06	1230	5	MW2	Grab	GW	25.37		1400	5	MW3	Grab	GW	27.61		1315	5	MW4	Grab	GW	27.53		1330	5	MW5	Grab	GW	27.06		1345	5	MW6	Grab	GW	24.58		1530	5	MW7	Grab	GW	24.18		1515	5	MW8	Grab	GW	23.03		1500	5	MW9	Grab	GW	25.98		1415	5	MW10	Grab	GW	28.2		1300	5											<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Rem./Contaminant</th> <th>Sample # (lab only)</th> </tr> </thead> <tbody> <tr><td></td><td>-01</td></tr> <tr><td></td><td>-02</td></tr> <tr><td></td><td>-03</td></tr> <tr><td></td><td>-04</td></tr> <tr><td></td><td>-05</td></tr> <tr><td></td><td>-06</td></tr> <tr><td></td><td>-07</td></tr> <tr><td></td><td>-08</td></tr> <tr><td></td><td>-09</td></tr> <tr><td></td><td>-10</td></tr> </tbody> </table>		Rem./Contaminant	Sample # (lab only)		-01		-02		-03		-04		-05		-06		-07		-08		-09		-10
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs																																																																																																															
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MW3	Grab	GW	27.61		1315	5																																																																																																															
MW4	Grab	GW	27.53		1330	5																																																																																																															
MW5	Grab	GW	27.06		1345	5																																																																																																															
MW6	Grab	GW	24.58		1530	5																																																																																																															
MW7	Grab	GW	24.18		1515	5																																																																																																															
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* Matrix: <b>SS</b> - Soil <b>GW</b> - Groundwater <b>WW</b> - WasteWater <b>DW</b> - Drinking Water <b>OT</b> - Other _____							pH _____ Temp _____ Flow _____ Other _____							Hold #																																																																																																							
Remarks:							Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____ Temp: <u>6.8</u> °C Bottles Received: <u>70</u> <u>1.7</u> to <u>1.7</u>							Condition: (lab use only)																																																																																																							
Relinquished by : (Signature) 							Date: <u>2022 12 06</u> Time: <u>1900</u>							COC Seal Intact: <u>Y</u> <input checked="" type="checkbox"/> N <input type="checkbox"/> NA																																																																																																							
Relinquished by : (Signature)							Date: Time:							pH Checked: NCP:																																																																																																							
Relinquished by : (Signature)							Date: <u>12/8</u> Time: <u>0900</u>																																																																																																														

[illegible]



**Entrada Consulting Group**

Sample Delivery Group: L1517190  
Samples Received: 07/21/2022  
Project Number:  
Description: Baker Canyon Spill

Report To: Matt Kasten  
330 Grand Avenue  
Suite C  
Grand Junction, CO 81501

Entire Report Reviewed By:



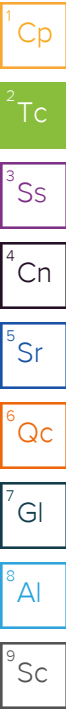
Chris Ward  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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

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# SAMPLE SUMMARY

## 20220720-BAKER CANYON-MW1 L1517190-01 GW

Collected by  
Byron Abeyta

Collected date/time  
07/20/22 10:30

Received date/time  
07/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1900950	1	07/26/22 11:32	07/26/22 15:32	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899475	1	07/23/22 05:42	07/23/22 05:42	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899475	10	07/23/22 05:54	07/23/22 05:54	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1899770	1	07/24/22 01:36	07/24/22 01:36	JAH	Mt. Juliet, TN

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## 20220720-BAKER CANYON-MW2 L1517190-02 GW

Collected by  
Byron Abeyta

Collected date/time  
07/20/22 12:45

Received date/time  
07/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1900950	1	07/26/22 11:32	07/26/22 15:32	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899475	1	07/23/22 06:07	07/23/22 06:07	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899475	10	07/23/22 06:20	07/23/22 06:20	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1899770	1	07/24/22 01:56	07/24/22 01:56	JAH	Mt. Juliet, TN

## 20220720-BAKER CANYON-MW3 L1517190-03 GW

Collected by  
Byron Abeyta

Collected date/time  
07/20/22 11:00

Received date/time  
07/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1901604	1	07/27/22 14:36	07/27/22 16:28	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899475	1	07/23/22 06:33	07/23/22 06:33	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899475	10	07/23/22 06:45	07/23/22 06:45	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1899770	1	07/24/22 02:17	07/24/22 02:17	JAH	Mt. Juliet, TN

## 20220720-BAKER CANYON-MW4 L1517190-04 GW

Collected by  
Byron Abeyta

Collected date/time  
07/20/22 13:20

Received date/time  
07/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1900950	1	07/26/22 11:32	07/26/22 15:32	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899475	1	07/23/22 06:58	07/23/22 06:58	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899475	10	07/23/22 07:11	07/23/22 07:11	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1899770	1	07/24/22 02:37	07/24/22 02:37	JAH	Mt. Juliet, TN

## 20220720-BAKER CANYON-MW5 L1517190-05 GW

Collected by  
Byron Abeyta

Collected date/time  
07/20/22 11:30

Received date/time  
07/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1901888	1	07/27/22 17:33	07/27/22 18:15	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899475	1	07/23/22 07:49	07/23/22 07:49	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899475	10	07/23/22 08:02	07/23/22 08:02	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1899770	10	07/24/22 04:40	07/24/22 04:40	JAH	Mt. Juliet, TN

## 20220720-BAKER CANYON-SW1 L1517190-06 GW

Collected by  
Byron Abeyta

Collected date/time  
07/20/22 13:45

Received date/time  
07/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1900963	1	07/26/22 15:45	07/26/22 17:23	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899475	1	07/23/22 08:14	07/23/22 08:14	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1900328	5	07/25/22 21:58	07/25/22 21:58	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1899770	1	07/24/22 02:58	07/24/22 02:58	JAH	Mt. Juliet, TN

ACCOUNT:

Entrada Consulting Group

PROJECT:

SDG:

L1517190

DATE/TIME:

08/08/22 11:43

PAGE:

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# SAMPLE SUMMARY

20220720-BAKER CANYON-MW6 L1517190-07 GW

Collected by  
Byron Abeyta

Collected date/time  
07/20/22 12:15

Received date/time  
07/21/22 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1896682	1	08/03/22 11:47	08/03/22 17:45	AEC	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG1901604	1	07/27/22 14:36	07/27/22 16:28	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899475	20	07/23/22 08:52	07/23/22 08:52	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899475	5	07/23/22 08:40	07/23/22 08:40	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1899770	1	07/24/22 03:19	07/24/22 03:19	JAH	Mt. Juliet, TN

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

ACCOUNT:

Entrada Consulting Group

PROJECT:

SDG:

L1517190

DATE/TIME:

08/08/22 11:43

PAGE:

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# 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	1380		20.0	1	07/26/2022 15:32	<a href="#">WG1900950</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	67.2		0.379	1.00	1	07/23/2022 05:42	<a href="#">WG1899475</a>
Sulfate	616		5.94	50.0	10	07/23/2022 05:54	<a href="#">WG1899475</a>

## 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	07/24/2022 01:36	<a href="#">WG1899770</a>
Toluene	0.000322	J	0.000278	0.00100	1	07/24/2022 01:36	<a href="#">WG1899770</a>
Ethylbenzene	0.000162	J	0.000137	0.00100	1	07/24/2022 01:36	<a href="#">WG1899770</a>
Xylenes, Total	U		0.000174	0.00300	1	07/24/2022 01:36	<a href="#">WG1899770</a>
Naphthalene	U		0.00100	0.00500	1	07/24/2022 01:36	<a href="#">WG1899770</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	07/24/2022 01:36	<a href="#">WG1899770</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	07/24/2022 01:36	<a href="#">WG1899770</a>
(S) Toluene-d8	103			80.0-120		07/24/2022 01:36	<a href="#">WG1899770</a>
(S) 4-Bromofluorobenzene	83.3			77.0-126		07/24/2022 01:36	<a href="#">WG1899770</a>
(S) 1,2-Dichloroethane-d4	100			70.0-130		07/24/2022 01:36	<a href="#">WG1899770</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## 20220720-BAKER CANYON-MW2 SAMPLE RESULTS - 02

Collected date/time: 07/20/22 12:45

L1517190

## 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	1750		25.0	1	07/26/2022 15:32	<a href="#">WG1900950</a>

## 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	94.2		0.379	1.00	1	07/23/2022 06:07	<a href="#">WG1899475</a>
Sulfate	866		5.94	50.0	10	07/23/2022 06:20	<a href="#">WG1899475</a>

## 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	0.0121		0.0000941	0.00100	1	07/24/2022 01:56	<a href="#">WG1899770</a>
Toluene	U		0.000278	0.00100	1	07/24/2022 01:56	<a href="#">WG1899770</a>
Ethylbenzene	U		0.000137	0.00100	1	07/24/2022 01:56	<a href="#">WG1899770</a>
Xylenes, Total	U		0.000174	0.00300	1	07/24/2022 01:56	<a href="#">WG1899770</a>
Naphthalene	U		0.00100	0.00500	1	07/24/2022 01:56	<a href="#">WG1899770</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	07/24/2022 01:56	<a href="#">WG1899770</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	07/24/2022 01:56	<a href="#">WG1899770</a>
(S) Toluene-d8	103			80.0-120		07/24/2022 01:56	<a href="#">WG1899770</a>
(S) 4-Bromofluorobenzene	86.9			77.0-126		07/24/2022 01:56	<a href="#">WG1899770</a>
(S) 1,2-Dichloroethane-d4	95.4			70.0-130		07/24/2022 01:56	<a href="#">WG1899770</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## 20220720-BAKER CANYON-MW3 SAMPLE RESULTS - 03

Collected date/time: 07/20/22 11:00

L1517190

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1490		25.0	1	07/27/2022 16:28	<a href="#">WG1901604</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	79.8		0.379	1.00	1	07/23/2022 06:33	<a href="#">WG1899475</a>
Sulfate	712		5.94	50.0	10	07/23/2022 06:45	<a href="#">WG1899475</a>

## 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	0.00383		0.0000941	0.00100	1	07/24/2022 02:17	<a href="#">WG1899770</a>
Toluene	U		0.000278	0.00100	1	07/24/2022 02:17	<a href="#">WG1899770</a>
Ethylbenzene	0.000318	J	0.000137	0.00100	1	07/24/2022 02:17	<a href="#">WG1899770</a>
Xylenes, Total	0.00206	J	0.000174	0.00300	1	07/24/2022 02:17	<a href="#">WG1899770</a>
Naphthalene	U		0.00100	0.00500	1	07/24/2022 02:17	<a href="#">WG1899770</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	07/24/2022 02:17	<a href="#">WG1899770</a>
1,3,5-Trimethylbenzene	0.000160	J	0.000104	0.00100	1	07/24/2022 02:17	<a href="#">WG1899770</a>
(S) Toluene-d8	105			80.0-120		07/24/2022 02:17	<a href="#">WG1899770</a>
(S) 4-Bromofluorobenzene	83.2			77.0-126		07/24/2022 02:17	<a href="#">WG1899770</a>
(S) 1,2-Dichloroethane-d4	95.4			70.0-130		07/24/2022 02:17	<a href="#">WG1899770</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## 20220720-BAKER CANYON-MW4 SAMPLE RESULTS - 04

Collected date/time: 07/20/22 13:20

L1517190

## 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	1510		50.0	1	07/26/2022 15:32	<a href="#">WG1900950</a>

## 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	113		0.379	1.00	1	07/23/2022 06:58	<a href="#">WG1899475</a>
Sulfate	940		5.94	50.0	10	07/23/2022 07:11	<a href="#">WG1899475</a>

## 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	0.00752		0.0000941	0.00100	1	07/24/2022 02:37	<a href="#">WG1899770</a>
Toluene	U		0.000278	0.00100	1	07/24/2022 02:37	<a href="#">WG1899770</a>
Ethylbenzene	U		0.000137	0.00100	1	07/24/2022 02:37	<a href="#">WG1899770</a>
Xylenes, Total	U		0.000174	0.00300	1	07/24/2022 02:37	<a href="#">WG1899770</a>
Naphthalene	U		0.00100	0.00500	1	07/24/2022 02:37	<a href="#">WG1899770</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	07/24/2022 02:37	<a href="#">WG1899770</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	07/24/2022 02:37	<a href="#">WG1899770</a>
(S) Toluene-d8	103			80.0-120		07/24/2022 02:37	<a href="#">WG1899770</a>
(S) 4-Bromofluorobenzene	83.7			77.0-126		07/24/2022 02:37	<a href="#">WG1899770</a>
(S) 1,2-Dichloroethane-d4	98.8			70.0-130		07/24/2022 02:37	<a href="#">WG1899770</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## 20220720-BAKER CANYON-MW5 SAMPLE RESULTS - 05

Collected date/time: 07/20/22 11:30

L1517190

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1540	<a href="#">J3</a>	25.0	1	07/27/2022 18:15	<a href="#">WG1901888</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	81.8		0.379	1.00	1	07/23/2022 07:49	<a href="#">WG1899475</a>
Sulfate	758		5.94	50.0	10	07/23/2022 08:02	<a href="#">WG1899475</a>

## 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	0.177		0.000941	0.0100	10	07/24/2022 04:40	<a href="#">WG1899770</a>
Toluene	U		0.00278	0.0100	10	07/24/2022 04:40	<a href="#">WG1899770</a>
Ethylbenzene	0.0154		0.00137	0.0100	10	07/24/2022 04:40	<a href="#">WG1899770</a>
Xylenes, Total	0.0107	<a href="#">J</a>	0.00174	0.0300	10	07/24/2022 04:40	<a href="#">WG1899770</a>
Naphthalene	U		0.0100	0.0500	10	07/24/2022 04:40	<a href="#">WG1899770</a>
1,2,4-Trimethylbenzene	U		0.00322	0.0100	10	07/24/2022 04:40	<a href="#">WG1899770</a>
1,3,5-Trimethylbenzene	U		0.00104	0.0100	10	07/24/2022 04:40	<a href="#">WG1899770</a>
(S) Toluene-d8	101			80.0-120		07/24/2022 04:40	<a href="#">WG1899770</a>
(S) 4-Bromofluorobenzene	79.3			77.0-126		07/24/2022 04:40	<a href="#">WG1899770</a>
(S) 1,2-Dichloroethane-d4	96.8			70.0-130		07/24/2022 04:40	<a href="#">WG1899770</a>

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

## 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	749		13.3	1	07/26/2022 17:23	<a href="#">WG1900963</a>

## 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	58.0		0.379	1.00	1	07/23/2022 08:14	<a href="#">WG1899475</a>
Sulfate	211		2.97	25.0	5	07/25/2022 21:58	<a href="#">WG1900328</a>

## 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	07/24/2022 02:58	<a href="#">WG1899770</a>
Toluene	U		0.000278	0.00100	1	07/24/2022 02:58	<a href="#">WG1899770</a>
Ethylbenzene	U		0.000137	0.00100	1	07/24/2022 02:58	<a href="#">WG1899770</a>
Xylenes, Total	U		0.000174	0.00300	1	07/24/2022 02:58	<a href="#">WG1899770</a>
Naphthalene	U		0.00100	0.00500	1	07/24/2022 02:58	<a href="#">WG1899770</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	07/24/2022 02:58	<a href="#">WG1899770</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	07/24/2022 02:58	<a href="#">WG1899770</a>
(S) Toluene-d8	104			80.0-120		07/24/2022 02:58	<a href="#">WG1899770</a>
(S) 4-Bromofluorobenzene	81.5			77.0-126		07/24/2022 02:58	<a href="#">WG1899770</a>
(S) 1,2-Dichloroethane-d4	94.4			70.0-130		07/24/2022 02:58	<a href="#">WG1899770</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## 20220720-BAKER CANYON-MW6 SAMPLE RESULTS - 07

Collected date/time: 07/20/22 12:15

L1517190

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2030	<a href="#">Q</a>	50.0	1	08/03/2022 17:45	<a href="#">WG1896682</a>
Dissolved Solids	12300		50.0	1	07/27/2022 16:28	<a href="#">WG1901604</a>

## Sample Narrative:

L1517190-07 WG1896682: Rerun out of hold due to suspected elevated result in original run. Both runs reporting

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	148		1.90	5.00	5	07/23/2022 08:40	<a href="#">WG1899475</a>
Sulfate	1240		11.9	100	20	07/23/2022 08:52	<a href="#">WG1899475</a>

## 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	07/24/2022 03:19	<a href="#">WG1899770</a>
Toluene	0.000428	<a href="#">J</a>	0.000278	0.00100	1	07/24/2022 03:19	<a href="#">WG1899770</a>
Ethylbenzene	0.000337	<a href="#">J</a>	0.000137	0.00100	1	07/24/2022 03:19	<a href="#">WG1899770</a>
Xylenes, Total	0.000212	<a href="#">J</a>	0.000174	0.00300	1	07/24/2022 03:19	<a href="#">WG1899770</a>
Naphthalene	U		0.00100	0.00500	1	07/24/2022 03:19	<a href="#">WG1899770</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	07/24/2022 03:19	<a href="#">WG1899770</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	07/24/2022 03:19	<a href="#">WG1899770</a>
(S) Toluene-d8	105			80.0-120		07/24/2022 03:19	<a href="#">WG1899770</a>
(S) 4-Bromofluorobenzene	82.8			77.0-126		07/24/2022 03:19	<a href="#">WG1899770</a>
(S) 1,2-Dichloroethane-d4	95.4			70.0-130		07/24/2022 03:19	<a href="#">WG1899770</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3823442-1 08/03/22 17:45

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

L1513759-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1513759-06 08/03/22 17:45 • (DUP) R3823442-3 08/03/22 17:45

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	337	344	1	2.06		5

L1514098-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1514098-01 08/03/22 17:45 • (DUP) R3823442-4 08/03/22 17:45

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	373	393	1	5.22	J3	5

Laboratory Control Sample (LCS)

(LCS) R3823442-2 08/03/22 17:45

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	7920	90.0	77.3-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3822746-1 07/26/22 15:32

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

L1516604-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1516604-01 07/26/22 15:32 • (DUP) R3822746-3 07/26/22 15:32

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	10.0	10.0	1	0.000		5

L1516798-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1516798-01 07/26/22 15:32 • (DUP) R3822746-4 07/26/22 15:32

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	721	704	1	2.43		5

Laboratory Control Sample (LCS)

(LCS) R3822746-2 07/26/22 15:32

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	7550	85.8	77.3-123	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3821270-1 07/26/22 17:23

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

L1517035-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1517035-01 07/26/22 17:23 • (DUP) R3821270-3 07/26/22 17:23

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	758	694	1	8.82	J3	5

L1517091-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1517091-01 07/26/22 17:23 • (DUP) R3821270-4 07/26/22 17:23

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	2010	2100	1	4.38		5

Laboratory Control Sample (LCS)

(LCS) R3821270-2 07/26/22 17:23

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	7860	89.3	77.3-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3821237-1 07/27/22 16:28

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

L1517190-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1517190-03 07/27/22 16:28 • (DUP) R3821237-3 07/27/22 16:28

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1490	1480	1	0.675		5

L1517757-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1517757-01 07/27/22 16:28 • (DUP) R3821237-4 07/27/22 16:28

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	691	688	1	0.387		5

Laboratory Control Sample (LCS)

(LCS) R3821237-2 07/27/22 16:28

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8210	93.3	77.3-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3821467-1 07/27/22 18:15

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

L1517011-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1517011-01 07/27/22 18:15 • (DUP) R3821467-3 07/27/22 18:15

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	451	470	1	4.13		5

L1517190-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1517190-05 07/27/22 18:15 • (DUP) R3821467-4 07/27/22 18:15

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1540	1660	1	7.66	J3	5

Laboratory Control Sample (LCS)

(LCS) R3821467-2 07/27/22 18:15

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8250	93.8	77.3-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3818543-1 07/23/22 00:10

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	0.553	⬇	0.379	1.00
Sulfate	U		0.594	5.00

L1516199-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1516199-01 07/23/22 00:36 • (DUP) R3818543-3 07/23/22 00:49

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	39.8	39.6	1	0.466		15
Sulfate	105	104	1	0.783		15

L1516833-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1516833-02 07/23/22 04:38 • (DUP) R3818543-6 07/23/22 05:16

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	102	102	1	0.346		15
Sulfate	38.1	37.8	1	0.878		15

Laboratory Control Sample (LCS)

(LCS) R3818543-2 07/23/22 00:23

	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	39.0	97.5	80.0-120	

L1516199-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1516199-02 07/23/22 01:01 • (MS) R3818543-4 07/23/22 01:14 • (MSD) R3818543-5 07/23/22 01:27

	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	39.8	88.0	90.4	96.3	101	1	80.0-120			2.77	15
Sulfate	50.0	108	151	155	85.9	93.4	1	80.0-120			2.45	15

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1517190-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1517190-06 07/23/22 08:14 • (MS) R3818543-7 07/23/22 08:27

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	58.0	107	98.5	1	80.0-120	
Sulfate	50.0	210	248	75.2	1	80.0-120	<u>EV</u>

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3819173-1 07/25/22 14:03

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

L1514736-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1514736-11 07/25/22 19:17 • (DUP) R3819173-3 07/25/22 19:29

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfate	427	427	5	0.0434		15

L1517757-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1517757-16 07/25/22 23:50 • (DUP) R3819173-6 07/26/22 00:03

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfate	172	173	1	0.153		15

Laboratory Control Sample (LCS)

(LCS) R3819173-2 07/25/22 14:16

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Sulfate	40.0	40.5	101	80.0-120	

L1515914-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1515914-01 07/25/22 20:44 • (MS) R3819173-4 07/25/22 20:56 • (MSD) R3819173-5 07/25/22 21:09

	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	%	%		%			%	%
Sulfate	50.0	31.6	79.4	79.2	95.6	95.2	1	80.0-120			0.247	15

L1517757-17 Original Sample (OS) • Matrix Spike (MS)

(OS) L1517757-17 07/26/22 00:15 • (MS) R3819173-7 07/26/22 00:28

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Sulfate	50.0	112	155	87.4	1	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3820264-2 07/23/22 21:00

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	106			80.0-120
(S) 4-Bromofluorobenzene	86.9			77.0-126
(S) 1,2-Dichloroethane-d4	98.1			70.0-130

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

(LCS) R3820264-1 07/23/22 20:20 • (LCSD) R3820264-3 07/23/22 21:21

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	0.00487	0.00525	97.4	105	70.0-123			7.51	20
Toluene	0.00500	0.00485	0.00556	97.0	111	79.0-120			13.6	20
Ethylbenzene	0.00500	0.00454	0.00472	90.8	94.4	79.0-123			3.89	20
Xylenes, Total	0.0150	0.0143	0.0152	95.3	101	79.0-123			6.10	20
Naphthalene	0.00500	0.00468	0.00437	93.6	87.4	54.0-135			6.85	20
1,2,4-Trimethylbenzene	0.00500	0.00449	0.00464	89.8	92.8	76.0-121			3.29	20
1,3,5-Trimethylbenzene	0.00500	0.00479	0.00490	95.8	98.0	76.0-122			2.27	20
(S) Toluene-d8				101	99.3	80.0-120				
(S) 4-Bromofluorobenzene				83.8	86.3	77.0-126				
(S) 1,2-Dichloroethane-d4				97.7	101	70.0-130				

L1516886-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1516886-04 07/24/22 00:14 • (MS) R3820264-4 07/24/22 05:01 • (MSD) R3820264-5 07/24/22 05:22

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 %
Benzene	0.00500	U	0.00567	0.00614	113	123	1	17.0-158			7.96	27
Toluene	0.00500	U	0.00565	0.00594	113	119	1	26.0-154			5.00	28
Ethylbenzene	0.00500	U	0.00513	0.00551	103	110	1	30.0-155			7.14	27
Xylenes, Total	0.0150	U	0.0158	0.0173	105	115	1	29.0-154			9.06	28
Naphthalene	0.00500	U	0.00479	0.00533	95.8	107	1	12.0-156			10.7	35
1,2,4-Trimethylbenzene	0.00500	U	0.00525	0.00545	105	109	1	26.0-154			3.74	27
1,3,5-Trimethylbenzene	0.00500	U	0.00566	0.00578	113	116	1	28.0-153			2.10	27

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L1516886-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1516886-04 07/24/22 00:14 • (MS) R3820264-4 07/24/22 05:01 • (MSD) R3820264-5 07/24/22 05:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
(S) Toluene-d8					100	99.4		80.0-120				
(S) 4-Bromofluorobenzene					78.6	82.6		77.0-126				
(S) 1,2-Dichloroethane-d4					99.1	98.8		70.0-130				

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

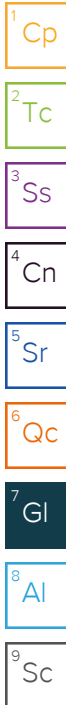
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

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

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

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



Hold:	Condition: NCF / OK
-------	------------------------

**Entrada Consulting Group**

Sample Delivery Group: L1517827  
Samples Received: 07/22/2022  
Project Number: 021-054  
Description: Baker Canyon Spill

Report To: Matt Kasten  
330 Grand Avenue  
Suite C  
Grand Junction, CO 81501

Entire Report Reviewed By:



Chris Ward  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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

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# SAMPLE SUMMARY

## 20220721-BAKERCANYON-MW7 L1517827-01 GW

Collected by  
Chris Mace

Collected date/time  
07/21/22 09:45

Received date/time  
07/22/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1902069	1	07/28/22 05:08	07/28/22 06:07	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899865	20	07/23/22 22:35	07/23/22 22:35	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899865	5	07/23/22 22:20	07/23/22 22:20	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1899828	1	07/24/22 00:57	07/24/22 00:57	ADM	Mt. Juliet, TN

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## 20220721-BAKERCANYON-MW8 L1517827-02 GW

Collected by  
Chris Mace

Collected date/time  
07/21/22 10:15

Received date/time  
07/22/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1902069	1	07/28/22 05:08	07/28/22 06:07	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899865	10	07/23/22 23:04	07/23/22 23:04	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899865	5	07/23/22 22:49	07/23/22 22:49	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1899828	1	07/24/22 01:16	07/24/22 01:16	ADM	Mt. Juliet, TN

## 20220721-BAKERCANYON-MW9 L1517827-03 GW

Collected by  
Chris Mace

Collected date/time  
07/21/22 10:50

Received date/time  
07/22/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1902043	1	07/28/22 03:00	07/28/22 03:28	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899865	1	07/23/22 23:19	07/23/22 23:19	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1901917	5	07/27/22 19:36	07/27/22 19:36	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1899828	1	07/24/22 01:35	07/24/22 01:35	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1903126	10	07/29/22 20:42	07/29/22 20:42	ADM	Mt. Juliet, TN

## 20220721-BAKERCANYON-MW10 L1517827-04 GW

Collected by  
Chris Mace

Collected date/time  
07/21/22 12:30

Received date/time  
07/22/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1902069	1	07/28/22 05:08	07/28/22 06:07	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899865	1	07/24/22 00:34	07/24/22 00:34	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1901917	5	07/27/22 20:21	07/27/22 20:21	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1899828	1	07/24/22 01:54	07/24/22 01:54	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1903126	1	07/29/22 20:01	07/29/22 20:01	ADM	Mt. Juliet, TN

## 20220721-BAKERCANYON-MW11 L1517827-05 GW

Collected by  
Chris Mace

Collected date/time  
07/21/22 11:30

Received date/time  
07/22/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1902069	1	07/28/22 05:08	07/28/22 06:07	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899865	1	07/24/22 00:49	07/24/22 00:49	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1901917	5	07/27/22 20:35	07/27/22 20:35	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1899828	1	07/24/22 02:13	07/24/22 02:13	ADM	Mt. Juliet, TN

## 20220721-BAKERCANYON-MW12 L1517827-06 GW

Collected by  
Chris Mace

Collected date/time  
07/21/22 12:00

Received date/time  
07/22/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1902069	1	07/28/22 05:08	07/28/22 06:07	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1899865	1	07/24/22 01:04	07/24/22 01:04	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1901917	5	07/27/22 20:50	07/27/22 20:50	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1899828	1	07/24/22 02:32	07/24/22 02:32	ADM	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.

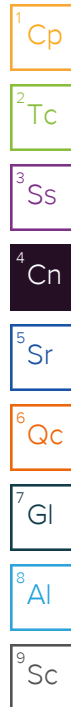


Chris Ward  
Project Manager

## Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
<u>L1517827-04</u>	<u>20220721-BAKERCANYON-MWI</u>	8260B
	<u>0</u>	





## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2650		25.0	1	07/28/2022 06:07	<a href="#">WG1902069</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	168		1.90	5.00	5	07/23/2022 22:20	<a href="#">WG1899865</a>
Sulfate	1410		11.9	100	20	07/23/2022 22:35	<a href="#">WG1899865</a>

## 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	0.000100	J	0.0000941	0.00100	1	07/24/2022 00:57	<a href="#">WG1899828</a>
Toluene	0.000323	J	0.000278	0.00100	1	07/24/2022 00:57	<a href="#">WG1899828</a>
Ethylbenzene	0.000373	J	0.000137	0.00100	1	07/24/2022 00:57	<a href="#">WG1899828</a>
Xylenes, Total	0.000338	J	0.000174	0.00300	1	07/24/2022 00:57	<a href="#">WG1899828</a>
Naphthalene	0.00101	J	0.00100	0.00500	1	07/24/2022 00:57	<a href="#">WG1899828</a>
1,2,4-Trimethylbenzene	0.00223		0.000322	0.00100	1	07/24/2022 00:57	<a href="#">WG1899828</a>
1,3,5-Trimethylbenzene	0.000212	J	0.000104	0.00100	1	07/24/2022 00:57	<a href="#">WG1899828</a>
(S) Toluene-d8	103			80.0-120		07/24/2022 00:57	<a href="#">WG1899828</a>
(S) 4-Bromofluorobenzene	110			77.0-126		07/24/2022 00:57	<a href="#">WG1899828</a>
(S) 1,2-Dichloroethane-d4	118			70.0-130		07/24/2022 00:57	<a href="#">WG1899828</a>

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	2580		50.0	1	07/28/2022 06:07	<a href="#">WG1902069</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	155		1.90	5.00	5	07/23/2022 22:49	<a href="#">WG1899865</a>
Sulfate	1200		5.94	50.0	10	07/23/2022 23:04	<a href="#">WG1899865</a>

## 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	0.000113	J	0.0000941	0.00100	1	07/24/2022 01:16	<a href="#">WG1899828</a>
Toluene	0.000679	J	0.000278	0.00100	1	07/24/2022 01:16	<a href="#">WG1899828</a>
Ethylbenzene	0.000544	J	0.000137	0.00100	1	07/24/2022 01:16	<a href="#">WG1899828</a>
Xylenes, Total	0.000383	J	0.000174	0.00300	1	07/24/2022 01:16	<a href="#">WG1899828</a>
Naphthalene	U		0.00100	0.00500	1	07/24/2022 01:16	<a href="#">WG1899828</a>
1,2,4-Trimethylbenzene	0.000489	J	0.000322	0.00100	1	07/24/2022 01:16	<a href="#">WG1899828</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	07/24/2022 01:16	<a href="#">WG1899828</a>
(S) Toluene-d8	103			80.0-120		07/24/2022 01:16	<a href="#">WG1899828</a>
(S) 4-Bromofluorobenzene	105			77.0-126		07/24/2022 01:16	<a href="#">WG1899828</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		07/24/2022 01:16	<a href="#">WG1899828</a>

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	1530		25.0	1	07/28/2022 03:28	<a href="#">WG1902043</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	84.3		0.379	1.00	1	07/23/2022 23:19	<a href="#">WG1899865</a>
Sulfate	710		2.97	25.0	5	07/27/2022 19:36	<a href="#">WG1901917</a>

## 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	0.351		0.000941	0.0100	10	07/29/2022 20:42	<a href="#">WG1903126</a>
Toluene	0.000785	J	0.000278	0.00100	1	07/24/2022 01:35	<a href="#">WG1899828</a>
Ethylbenzene	0.0476		0.000137	0.00100	1	07/24/2022 01:35	<a href="#">WG1899828</a>
Xylenes, Total	0.252		0.000174	0.00300	1	07/24/2022 01:35	<a href="#">WG1899828</a>
Naphthalene	U		0.00100	0.00500	1	07/24/2022 01:35	<a href="#">WG1899828</a>
1,2,4-Trimethylbenzene	0.0197		0.000322	0.00100	1	07/24/2022 01:35	<a href="#">WG1899828</a>
1,3,5-Trimethylbenzene	0.0202		0.000104	0.00100	1	07/24/2022 01:35	<a href="#">WG1899828</a>
(S) Toluene-d8	102			80.0-120		07/24/2022 01:35	<a href="#">WG1899828</a>
(S) Toluene-d8	110			80.0-120		07/29/2022 20:42	<a href="#">WG1903126</a>
(S) 4-Bromofluorobenzene	102			77.0-126		07/24/2022 01:35	<a href="#">WG1899828</a>
(S) 4-Bromofluorobenzene	111			77.0-126		07/29/2022 20:42	<a href="#">WG1903126</a>
(S) 1,2-Dichloroethane-d4	113			70.0-130		07/24/2022 01:35	<a href="#">WG1899828</a>
(S) 1,2-Dichloroethane-d4	86.6			70.0-130		07/29/2022 20:42	<a href="#">WG1903126</a>

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	1460		20.0	1	07/28/2022 06:07	<a href="#">WG1902069</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	79.7		0.379	1.00	1	07/24/2022 00:34	<a href="#">WG1899865</a>
Sulfate	624		2.97	25.0	5	07/27/2022 20:21	<a href="#">WG1901917</a>

## 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	07/29/2022 20:01	<a href="#">WG1903126</a>
Toluene	0.000347	J	0.000278	0.00100	1	07/24/2022 01:54	<a href="#">WG1899828</a>
Ethylbenzene	0.000279	J	0.000137	0.00100	1	07/24/2022 01:54	<a href="#">WG1899828</a>
Xylenes, Total	0.000461	J	0.000174	0.00300	1	07/24/2022 01:54	<a href="#">WG1899828</a>
Naphthalene	U		0.00100	0.00500	1	07/24/2022 01:54	<a href="#">WG1899828</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	07/24/2022 01:54	<a href="#">WG1899828</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	07/24/2022 01:54	<a href="#">WG1899828</a>
(S) Toluene-d8	103			80.0-120		07/24/2022 01:54	<a href="#">WG1899828</a>
(S) Toluene-d8	112			80.0-120		07/29/2022 20:01	<a href="#">WG1903126</a>
(S) 4-Bromofluorobenzene	104			77.0-126		07/24/2022 01:54	<a href="#">WG1899828</a>
(S) 4-Bromofluorobenzene	108			77.0-126		07/29/2022 20:01	<a href="#">WG1903126</a>
(S) 1,2-Dichloroethane-d4	115			70.0-130		07/24/2022 01:54	<a href="#">WG1899828</a>
(S) 1,2-Dichloroethane-d4	87.4			70.0-130		07/29/2022 20:01	<a href="#">WG1903126</a>

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	1620		25.0	1	07/28/2022 06:07	<a href="#">WG1902069</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	95.6		0.379	1.00	1	07/24/2022 00:49	<a href="#">WG1899865</a>
Sulfate	842		2.97	25.0	5	07/27/2022 20:35	<a href="#">WG1901917</a>

## 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	0.00495		0.0000941	0.00100	1	07/24/2022 02:13	<a href="#">WG1899828</a>
Toluene	0.000424	J	0.000278	0.00100	1	07/24/2022 02:13	<a href="#">WG1899828</a>
Ethylbenzene	0.000742	J	0.000137	0.00100	1	07/24/2022 02:13	<a href="#">WG1899828</a>
Xylenes, Total	0.000404	J	0.000174	0.00300	1	07/24/2022 02:13	<a href="#">WG1899828</a>
Naphthalene	U		0.00100	0.00500	1	07/24/2022 02:13	<a href="#">WG1899828</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	07/24/2022 02:13	<a href="#">WG1899828</a>
1,3,5-Trimethylbenzene	0.000268	J	0.000104	0.00100	1	07/24/2022 02:13	<a href="#">WG1899828</a>
(S) Toluene-d8	104			80.0-120		07/24/2022 02:13	<a href="#">WG1899828</a>
(S) 4-Bromofluorobenzene	104			77.0-126		07/24/2022 02:13	<a href="#">WG1899828</a>
(S) 1,2-Dichloroethane-d4	117			70.0-130		07/24/2022 02:13	<a href="#">WG1899828</a>

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	1460		25.0	1	07/28/2022 06:07	<a href="#">WG1902069</a>

## 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	99.8		0.379	1.00	1	07/24/2022 01:04	<a href="#">WG1899865</a>
Sulfate	810		2.97	25.0	5	07/27/2022 20:50	<a href="#">WG1901917</a>

## 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	0.000395	J	0.0000941	0.00100	1	07/24/2022 02:32	<a href="#">WG1899828</a>
Toluene	0.000331	J	0.000278	0.00100	1	07/24/2022 02:32	<a href="#">WG1899828</a>
Ethylbenzene	0.000241	J	0.000137	0.00100	1	07/24/2022 02:32	<a href="#">WG1899828</a>
Xylenes, Total	0.000204	J	0.000174	0.00300	1	07/24/2022 02:32	<a href="#">WG1899828</a>
Naphthalene	U		0.00100	0.00500	1	07/24/2022 02:32	<a href="#">WG1899828</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	07/24/2022 02:32	<a href="#">WG1899828</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	07/24/2022 02:32	<a href="#">WG1899828</a>
(S) Toluene-d8	105			80.0-120		07/24/2022 02:32	<a href="#">WG1899828</a>
(S) 4-Bromofluorobenzene	105			77.0-126		07/24/2022 02:32	<a href="#">WG1899828</a>
(S) 1,2-Dichloroethane-d4	116			70.0-130		07/24/2022 02:32	<a href="#">WG1899828</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3821879-1 07/28/22 03:28

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

L1517127-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1517127-01 07/28/22 03:28 • (DUP) R3821879-3 07/28/22 03:28

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	134	138	1	2.94		5

Laboratory Control Sample (LCS)

(LCS) R3821879-2 07/28/22 03:28

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8080	91.8	77.3-123	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3821336-1 07/28/22 06:07

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

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

L1517675-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1517675-01 07/28/22 06:07 • (DUP) R3821336-3 07/28/22 06:07

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1430	1680	1	16.1	<u>J3</u>	5

Laboratory Control Sample (LCS)

(LCS) R3821336-2 07/28/22 06:07

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8170	92.8	77.3-123	

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) R3819419-1 07/23/22 21:05

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

L1517844-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1517844-12 07/24/22 03:33 • (DUP) R3819419-5 07/24/22 03:48

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	35.2	35.4	1	0.572		15
Sulfate	210	214	1	1.76	E	15

L1517783-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1517783-01 07/23/22 21:35 • (DUP) R3819419-7 07/23/22 21:50

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	75.6	75.8	1	0.263		15
Sulfate	1.59	1.57	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3819419-2 07/23/22 21:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.5	98.8	80.0-120	
Sulfate	40.0	39.3	98.3	80.0-120	

L1517827-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1517827-03 07/23/22 23:19 • (MS) R3819419-3 07/24/22 00:04 • (MSD) R3819419-4 07/24/22 00:19

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	84.3	132	131	94.7	93.1	1	80.0-120			0.608	15

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1517844-16 Original Sample (OS) • Matrix Spike (MS)

(OS) L1517844-16 07/24/22 04:47 • (MS) R3819419-6 07/24/22 05:02

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	23.4	73.5	100	1	80.0-120	
Sulfate	50.0	109	155	92.7	1	80.0-120	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3820250-1 07/27/22 12:30

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Sulfate	0.631	⬇	0.594	5.00

L1518975-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1518975-07 07/27/22 19:06 • (DUP) R3820250-5 07/27/22 19:21

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfate	2.11	2.13	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R3820250-2 07/27/22 12:45

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Sulfate	40.0	40.1	100	80.0-120	

L1518975-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1518975-06 07/27/22 18:21 • (MS) R3820250-3 07/27/22 18:36 • (MSD) R3820250-4 07/27/22 18:51

	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	%	%		%			%	%
Sulfate	50.0	1.10	51.2	51.5	100	101	1	80.0-120			0.657	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3820860-3 07/23/22 23:22

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	105			77.0-126
(S) 1,2-Dichloroethane-d4	122			70.0-130

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

(LCS) R3820860-1 07/23/22 22:25 • (LCSD) R3820860-2 07/23/22 22:44

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	0.00510	0.00526	102	105	70.0-123			3.09	20
Toluene	0.00500	0.00480	0.00467	96.0	93.4	79.0-120			2.75	20
Ethylbenzene	0.00500	0.00459	0.00469	91.8	93.8	79.0-123			2.16	20
Xylenes, Total	0.0150	0.0143	0.0143	95.3	95.3	79.0-123			0.000	20
Naphthalene	0.00500	0.00565	0.00608	113	122	54.0-135			7.33	20
1,2,4-Trimethylbenzene	0.00500	0.00571	0.00553	114	111	76.0-121			3.20	20
1,3,5-Trimethylbenzene	0.00500	0.00583	0.00576	117	115	76.0-122			1.21	20
(S) Toluene-d8				101	100	80.0-120				
(S) 4-Bromofluorobenzene				104	102	77.0-126				
(S) 1,2-Dichloroethane-d4				117	120	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3820910-3 07/29/22 19:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
(S) Toluene-d8	112			80.0-120
(S) 4-Bromofluorobenzene	105			77.0-126
(S) 1,2-Dichloroethane-d4	88.8			70.0-130

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

(LCS) R3820910-1 07/29/22 18:35 • (LCSD) R3820910-2 07/29/22 18:55

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	0.00523	0.00527	105	105	70.0-123			0.762	20
(S) Toluene-d8				110	109	80.0-120				
(S) 4-Bromofluorobenzene				109	108	77.0-126				
(S) 1,2-Dichloroethane-d4				85.9	89.0	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

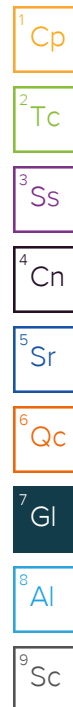
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.



# ACCREDITATIONS & LOCATIONS

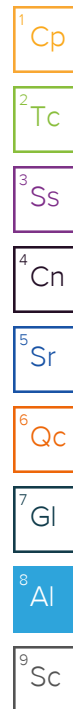
## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

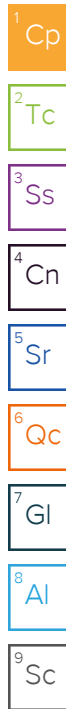
\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.







October 12, 2022



## Entrada Consulting Group

Sample Delivery Group: L1540606  
Samples Received: 09/28/2022  
Project Number: 021-054  
Description: Baker Canyon Spill

Report To: Matt Kasten  
330 Grand Avenue  
Suite C  
Grand Junction, CO 81501

Entire Report Reviewed By:



Chris Ward  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**

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

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# SAMPLE SUMMARY

## MW-1 L1540606-01 GW

Collected by  
C. Mace

Collected date/time  
09/26/22 10:00

Received date/time  
09/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1936361	1	10/03/22 16:27	10/03/22 17:01	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1934245	1	09/29/22 13:50	09/29/22 13:50	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1935609	10	10/01/22 20:01	10/01/22 20:01	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1935563	1	10/01/22 13:28	10/01/22 13:28	ACG	Mt. Juliet, TN

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## MW-10 L1540606-02 GW

Collected by  
C. Mace

Collected date/time  
09/26/22 10:30

Received date/time  
09/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1936361	1	10/03/22 16:27	10/03/22 17:01	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1934245	5	09/29/22 14:53	09/29/22 14:53	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1935609	10	10/01/22 20:38	10/01/22 20:38	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1935563	1	10/01/22 13:49	10/01/22 13:49	ACG	Mt. Juliet, TN

## MW-3 L1540606-03 GW

Collected by  
C. Mace

Collected date/time  
09/26/22 11:15

Received date/time  
09/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1936361	1	10/03/22 16:27	10/03/22 17:01	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1934245	1	09/29/22 15:09	09/29/22 15:09	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1934245	5	09/29/22 15:25	09/29/22 15:25	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1935563	1	10/01/22 14:10	10/01/22 14:10	ACG	Mt. Juliet, TN

## MW-4 L1540606-04 GW

Collected by  
C. Mace

Collected date/time  
09/26/22 11:45

Received date/time  
09/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1936361	1	10/03/22 16:27	10/03/22 17:01	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1934245	1	09/29/22 16:13	09/29/22 16:13	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1934245	10	09/29/22 16:28	09/29/22 16:28	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1935563	1	10/01/22 14:31	10/01/22 14:31	ACG	Mt. Juliet, TN

## MW-5 L1540606-05 GW

Collected by  
C. Mace

Collected date/time  
09/26/22 12:15

Received date/time  
09/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1936361	1	10/03/22 16:27	10/03/22 17:01	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1934245	5	09/29/22 16:44	09/29/22 16:44	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1935563	1	10/01/22 14:51	10/01/22 14:51	ACG	Mt. Juliet, TN

## MW-2 L1540606-06 GW

Collected by  
C. Mace

Collected date/time  
09/26/22 12:30

Received date/time  
09/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1936361	1	10/03/22 16:27	10/03/22 17:01	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1934245	5	09/29/22 17:00	09/29/22 17:00	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1935563	1	10/01/22 15:12	10/01/22 15:12	ACG	Mt. Juliet, TN

# SAMPLE SUMMARY

## MW-9 L1540606-07 GW

Collected by  
C. Mace

Collected date/time  
09/26/22 12:50

Received date/time  
09/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1935989	1	10/02/22 16:30	10/02/22 18:05	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1934245	1	09/29/22 17:16	09/29/22 17:16	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1935609	10	10/01/22 20:51	10/01/22 20:51	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1935563	1	10/01/22 15:33	10/01/22 15:33	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1936044	10	10/03/22 00:38	10/03/22 00:38	JAH	Mt. Juliet, TN

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

## MW-11 L1540606-08 GW

Collected by  
C. Mace

Collected date/time  
09/26/22 13:15

Received date/time  
09/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1936361	1	10/03/22 16:27	10/03/22 17:01	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1934245	5	09/29/22 18:04	09/29/22 18:04	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1935563	1	10/01/22 15:54	10/01/22 15:54	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1936044	1	10/02/22 23:37	10/02/22 23:37	JAH	Mt. Juliet, TN

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

## MW-12 L1540606-09 GW

Collected by  
C. Mace

Collected date/time  
09/26/22 13:45

Received date/time  
09/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1936361	1	10/03/22 16:27	10/03/22 17:01	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1934245	1	09/29/22 18:20	09/29/22 18:20	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1934245	5	09/29/22 18:36	09/29/22 18:36	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1935563	1	10/01/22 16:14	10/01/22 16:14	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1936044	1	10/02/22 23:57	10/02/22 23:57	JAH	Mt. Juliet, TN

<sup>9</sup> Sc

## MW-7 L1540606-10 GW

Collected by  
C. Mace

Collected date/time  
09/26/22 14:15

Received date/time  
09/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1936361	1	10/03/22 16:27	10/03/22 17:01	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1934245	5	09/29/22 19:23	09/29/22 19:23	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1935563	1	10/01/22 16:35	10/01/22 16:35	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1936044	1	10/03/22 00:18	10/03/22 00:18	JAH	Mt. Juliet, TN

## MW-8 L1540606-11 GW

Collected by  
C. Mace

Collected date/time  
09/26/22 14:30

Received date/time  
09/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1935988	1	10/02/22 16:17	10/02/22 17:05	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1934245	1	09/29/22 19:39	09/29/22 19:39	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1934245	10	09/29/22 19:55	09/29/22 19:55	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1935563	1	10/01/22 16:55	10/01/22 16:55	ACG	Mt. Juliet, TN

## MW-6 L1540606-12 GW

Collected by  
C. Mace

Collected date/time  
09/26/22 14:50

Received date/time  
09/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1935988	1	10/02/22 16:17	10/02/22 17:05	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1934245	5	09/29/22 20:11	09/29/22 20:11	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1935624	1	10/02/22 03:44	10/02/22 03:44	DWR	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	914		20.0	1	10/03/2022 17:01	<a href="#">WG1936361</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	58.7		0.379	1.00	1	09/29/2022 13:50	<a href="#">WG1934245</a>
Sulfate	278		5.94	50.0	10	10/01/2022 20:01	<a href="#">WG1935609</a>

## 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	10/01/2022 13:28	<a href="#">WG1935563</a>
Toluene	0.000441	J	0.000278	0.00100	1	10/01/2022 13:28	<a href="#">WG1935563</a>
Ethylbenzene	0.000224	J	0.000137	0.00100	1	10/01/2022 13:28	<a href="#">WG1935563</a>
Xylenes, Total	0.000174	J	0.000174	0.00300	1	10/01/2022 13:28	<a href="#">WG1935563</a>
Naphthalene	U	J3 J4	0.00100	0.00500	1	10/01/2022 13:28	<a href="#">WG1935563</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/01/2022 13:28	<a href="#">WG1935563</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/01/2022 13:28	<a href="#">WG1935563</a>
(S) Toluene-d8	102			80.0-120		10/01/2022 13:28	<a href="#">WG1935563</a>
(S) 4-Bromofluorobenzene	105			77.0-126		10/01/2022 13:28	<a href="#">WG1935563</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		10/01/2022 13:28	<a href="#">WG1935563</a>

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	1520		25.0	1	10/03/2022 17:01	<a href="#">WG1936361</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	85.5		1.90	5.00	5	09/29/2022 14:53	<a href="#">WG1934245</a>
Sulfate	948		5.94	50.0	10	10/01/2022 20:38	<a href="#">WG1935609</a>

## 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	10/01/2022 13:49	<a href="#">WG1935563</a>
Toluene	0.000390	<u>J</u>	0.000278	0.00100	1	10/01/2022 13:49	<a href="#">WG1935563</a>
Ethylbenzene	0.000148	<u>J</u>	0.000137	0.00100	1	10/01/2022 13:49	<a href="#">WG1935563</a>
Xylenes, Total	U		0.000174	0.00300	1	10/01/2022 13:49	<a href="#">WG1935563</a>
Naphthalene	U	<u>J3 J4</u>	0.00100	0.00500	1	10/01/2022 13:49	<a href="#">WG1935563</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/01/2022 13:49	<a href="#">WG1935563</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/01/2022 13:49	<a href="#">WG1935563</a>
(S) Toluene-d8	102			80.0-120		10/01/2022 13:49	<a href="#">WG1935563</a>
(S) 4-Bromofluorobenzene	105			77.0-126		10/01/2022 13:49	<a href="#">WG1935563</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		10/01/2022 13:49	<a href="#">WG1935563</a>

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	1470		25.0	1	10/03/2022 17:01	<a href="#">WG1936361</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	75.4		0.379	1.00	1	09/29/2022 15:09	<a href="#">WG1934245</a>
Sulfate	724		2.97	25.0	5	09/29/2022 15:25	<a href="#">WG1934245</a>

## 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	0.0397		0.0000941	0.00100	1	10/01/2022 14:10	<a href="#">WG1935563</a>
Toluene	0.000306	<a href="#">J</a>	0.000278	0.00100	1	10/01/2022 14:10	<a href="#">WG1935563</a>
Ethylbenzene	0.00227		0.000137	0.00100	1	10/01/2022 14:10	<a href="#">WG1935563</a>
Xylenes, Total	0.00802		0.000174	0.00300	1	10/01/2022 14:10	<a href="#">WG1935563</a>
Naphthalene	U	<a href="#">J3 J4</a>	0.00100	0.00500	1	10/01/2022 14:10	<a href="#">WG1935563</a>
1,2,4-Trimethylbenzene	0.000986	<a href="#">J</a>	0.000322	0.00100	1	10/01/2022 14:10	<a href="#">WG1935563</a>
1,3,5-Trimethylbenzene	0.00102		0.000104	0.00100	1	10/01/2022 14:10	<a href="#">WG1935563</a>
(S) Toluene-d8	99.5			80.0-120		10/01/2022 14:10	<a href="#">WG1935563</a>
(S) 4-Bromofluorobenzene	105			77.0-126		10/01/2022 14:10	<a href="#">WG1935563</a>
(S) 1,2-Dichloroethane-d4	103			70.0-130		10/01/2022 14:10	<a href="#">WG1935563</a>

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	1590		50.0	1	10/03/2022 17:01	<a href="#">WG1936361</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	109		0.379	1.00	1	09/29/2022 16:13	<a href="#">WG1934245</a>
Sulfate	971		5.94	50.0	10	09/29/2022 16:28	<a href="#">WG1934245</a>

## 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	0.000678	<a href="#">J</a>	0.0000941	0.00100	1	10/01/2022 14:31	<a href="#">WG1935563</a>
Toluene	0.000400	<a href="#">J</a>	0.000278	0.00100	1	10/01/2022 14:31	<a href="#">WG1935563</a>
Ethylbenzene	0.000295	<a href="#">J</a>	0.000137	0.00100	1	10/01/2022 14:31	<a href="#">WG1935563</a>
Xylenes, Total	0.00337		0.000174	0.00300	1	10/01/2022 14:31	<a href="#">WG1935563</a>
Naphthalene	U	<a href="#">J3 J4</a>	0.00100	0.00500	1	10/01/2022 14:31	<a href="#">WG1935563</a>
1,2,4-Trimethylbenzene	0.00756		0.000322	0.00100	1	10/01/2022 14:31	<a href="#">WG1935563</a>
1,3,5-Trimethylbenzene	0.00528		0.000104	0.00100	1	10/01/2022 14:31	<a href="#">WG1935563</a>
(S) Toluene-d8	102			80.0-120		10/01/2022 14:31	<a href="#">WG1935563</a>
(S) 4-Bromofluorobenzene	107			77.0-126		10/01/2022 14:31	<a href="#">WG1935563</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		10/01/2022 14:31	<a href="#">WG1935563</a>

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	1490		25.0	1	10/03/2022 17:01	<a href="#">WG1936361</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	75.6		1.90	5.00	5	09/29/2022 16:44	<a href="#">WG1934245</a>
Sulfate	767		2.97	25.0	5	09/29/2022 16:44	<a href="#">WG1934245</a>

## 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	0.156		0.0000941	0.00100	1	10/01/2022 14:51	<a href="#">WG1935563</a>
Toluene	0.00752		0.000278	0.00100	1	10/01/2022 14:51	<a href="#">WG1935563</a>
Ethylbenzene	0.00904		0.000137	0.00100	1	10/01/2022 14:51	<a href="#">WG1935563</a>
Xylenes, Total	0.0129		0.000174	0.00300	1	10/01/2022 14:51	<a href="#">WG1935563</a>
Naphthalene	U	<a href="#">J3 J4</a>	0.00100	0.00500	1	10/01/2022 14:51	<a href="#">WG1935563</a>
1,2,4-Trimethylbenzene	0.000823	<a href="#">J</a>	0.000322	0.00100	1	10/01/2022 14:51	<a href="#">WG1935563</a>
1,3,5-Trimethylbenzene	0.00103		0.000104	0.00100	1	10/01/2022 14:51	<a href="#">WG1935563</a>
(S) Toluene-d8	98.0			80.0-120		10/01/2022 14:51	<a href="#">WG1935563</a>
(S) 4-Bromofluorobenzene	106			77.0-126		10/01/2022 14:51	<a href="#">WG1935563</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/01/2022 14:51	<a href="#">WG1935563</a>

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	1530		25.0	1	10/03/2022 17:01	<a href="#">WG1936361</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	76.3		1.90	5.00	5	09/29/2022 17:00	<a href="#">WG1934245</a>
Sulfate	771		2.97	25.0	5	09/29/2022 17:00	<a href="#">WG1934245</a>

## 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	0.000801	<a href="#">J</a>	0.0000941	0.00100	1	10/01/2022 15:12	<a href="#">WG1935563</a>
Toluene	0.000293	<a href="#">J</a>	0.000278	0.00100	1	10/01/2022 15:12	<a href="#">WG1935563</a>
Ethylbenzene	0.000244	<a href="#">J</a>	0.000137	0.00100	1	10/01/2022 15:12	<a href="#">WG1935563</a>
Xylenes, Total	U		0.000174	0.00300	1	10/01/2022 15:12	<a href="#">WG1935563</a>
Naphthalene	U	<a href="#">J3 J4</a>	0.00100	0.00500	1	10/01/2022 15:12	<a href="#">WG1935563</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/01/2022 15:12	<a href="#">WG1935563</a>
1,3,5-Trimethylbenzene	0.000112	<a href="#">J</a>	0.000104	0.00100	1	10/01/2022 15:12	<a href="#">WG1935563</a>
(S) Toluene-d8	99.1			80.0-120		10/01/2022 15:12	<a href="#">WG1935563</a>
(S) 4-Bromofluorobenzene	105			77.0-126		10/01/2022 15:12	<a href="#">WG1935563</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/01/2022 15:12	<a href="#">WG1935563</a>

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	1460		25.0	1	10/02/2022 18:05	<a href="#">WG1935989</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	84.1		0.379	1.00	1	09/29/2022 17:16	<a href="#">WG1934245</a>
Sulfate	629		5.94	50.0	10	10/01/2022 20:51	<a href="#">WG1935609</a>

## 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	0.214		0.000941	0.0100	10	10/03/2022 00:38	<a href="#">WG1936044</a>
Toluene	0.00148		0.000278	0.00100	1	10/01/2022 15:33	<a href="#">WG1935563</a>
Ethylbenzene	0.0283		0.000137	0.00100	1	10/01/2022 15:33	<a href="#">WG1935563</a>
Xylenes, Total	0.101		0.000174	0.00300	1	10/01/2022 15:33	<a href="#">WG1935563</a>
Naphthalene	U	<a href="#">J3 J4</a>	0.00100	0.00500	1	10/01/2022 15:33	<a href="#">WG1935563</a>
1,2,4-Trimethylbenzene	0.00725		0.000322	0.00100	1	10/01/2022 15:33	<a href="#">WG1935563</a>
1,3,5-Trimethylbenzene	0.00919		0.000104	0.00100	1	10/01/2022 15:33	<a href="#">WG1935563</a>
(S) Toluene-d8	99.2			80.0-120		10/01/2022 15:33	<a href="#">WG1935563</a>
(S) Toluene-d8	116			80.0-120		10/03/2022 00:38	<a href="#">WG1936044</a>
(S) 4-Bromofluorobenzene	107			77.0-126		10/01/2022 15:33	<a href="#">WG1935563</a>
(S) 4-Bromofluorobenzene	94.1			77.0-126		10/03/2022 00:38	<a href="#">WG1936044</a>
(S) 1,2-Dichloroethane-d4	104			70.0-130		10/01/2022 15:33	<a href="#">WG1935563</a>
(S) 1,2-Dichloroethane-d4	87.9			70.0-130		10/03/2022 00:38	<a href="#">WG1936044</a>

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	1620		25.0	1	10/03/2022 17:01	<a href="#">WG1936361</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	83.7		1.90	5.00	5	09/29/2022 18:04	<a href="#">WG1934245</a>
Sulfate	758		2.97	25.0	5	09/29/2022 18:04	<a href="#">WG1934245</a>

## 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	0.000728	<u>J</u>	0.0000941	0.00100	1	10/02/2022 23:37	<a href="#">WG1936044</a>
Toluene	0.000342	<u>J</u>	0.000278	0.00100	1	10/01/2022 15:54	<a href="#">WG1935563</a>
Ethylbenzene	0.000810	<u>J</u>	0.000137	0.00100	1	10/01/2022 15:54	<a href="#">WG1935563</a>
Xylenes, Total	0.00109	<u>J</u>	0.000174	0.00300	1	10/01/2022 15:54	<a href="#">WG1935563</a>
Naphthalene	U	<u>J3 J4</u>	0.00100	0.00500	1	10/01/2022 15:54	<a href="#">WG1935563</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/01/2022 15:54	<a href="#">WG1935563</a>
1,3,5-Trimethylbenzene	0.000172	<u>J</u>	0.000104	0.00100	1	10/01/2022 15:54	<a href="#">WG1935563</a>
(S) Toluene-d8	103			80.0-120		10/01/2022 15:54	<a href="#">WG1935563</a>
(S) Toluene-d8	114			80.0-120		10/02/2022 23:37	<a href="#">WG1936044</a>
(S) 4-Bromofluorobenzene	106			77.0-126		10/01/2022 15:54	<a href="#">WG1935563</a>
(S) 4-Bromofluorobenzene	93.5			77.0-126		10/02/2022 23:37	<a href="#">WG1936044</a>
(S) 1,2-Dichloroethane-d4	105			70.0-130		10/01/2022 15:54	<a href="#">WG1935563</a>
(S) 1,2-Dichloroethane-d4	91.4			70.0-130		10/02/2022 23:37	<a href="#">WG1936044</a>

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	1440		25.0	1	10/03/2022 17:01	<a href="#">WG1936361</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	90.8		0.379	1.00	1	09/29/2022 18:20	<a href="#">WG1934245</a>
Sulfate	685		2.97	25.0	5	09/29/2022 18:36	<a href="#">WG1934245</a>

## 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	0.000328	<a href="#">J</a>	0.0000941	0.00100	1	10/02/2022 23:57	<a href="#">WG1936044</a>
Toluene	U		0.000278	0.00100	1	10/01/2022 16:14	<a href="#">WG1935563</a>
Ethylbenzene	U		0.000137	0.00100	1	10/01/2022 16:14	<a href="#">WG1935563</a>
Xylenes, Total	U		0.000174	0.00300	1	10/01/2022 16:14	<a href="#">WG1935563</a>
Naphthalene	U	<a href="#">J3 J4</a>	0.00100	0.00500	1	10/01/2022 16:14	<a href="#">WG1935563</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/01/2022 16:14	<a href="#">WG1935563</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/01/2022 16:14	<a href="#">WG1935563</a>
(S) Toluene-d8	103			80.0-120		10/01/2022 16:14	<a href="#">WG1935563</a>
(S) Toluene-d8	118			80.0-120		10/02/2022 23:57	<a href="#">WG1936044</a>
(S) 4-Bromofluorobenzene	106			77.0-126		10/01/2022 16:14	<a href="#">WG1935563</a>
(S) 4-Bromofluorobenzene	93.8			77.0-126		10/02/2022 23:57	<a href="#">WG1936044</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		10/01/2022 16:14	<a href="#">WG1935563</a>
(S) 1,2-Dichloroethane-d4	91.8			70.0-130		10/02/2022 23:57	<a href="#">WG1936044</a>

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	1940		50.0	1	10/03/2022 17:01	<a href="#">WG1936361</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	100		1.90	5.00	5	09/29/2022 19:23	<a href="#">WG1934245</a>
Sulfate	996		2.97	25.0	5	09/29/2022 19:23	<a href="#">WG1934245</a>

## 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	10/03/2022 00:18	<a href="#">WG1936044</a>
Toluene	0.000512	J	0.000278	0.00100	1	10/01/2022 16:35	<a href="#">WG1935563</a>
Ethylbenzene	0.000293	J	0.000137	0.00100	1	10/01/2022 16:35	<a href="#">WG1935563</a>
Xylenes, Total	U		0.000174	0.00300	1	10/01/2022 16:35	<a href="#">WG1935563</a>
Naphthalene	U	J3 J4	0.00100	0.00500	1	10/01/2022 16:35	<a href="#">WG1935563</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/01/2022 16:35	<a href="#">WG1935563</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/01/2022 16:35	<a href="#">WG1935563</a>
(S) Toluene-d8	101			80.0-120		10/01/2022 16:35	<a href="#">WG1935563</a>
(S) Toluene-d8	115			80.0-120		10/03/2022 00:18	<a href="#">WG1936044</a>
(S) 4-Bromofluorobenzene	104			77.0-126		10/01/2022 16:35	<a href="#">WG1935563</a>
(S) 4-Bromofluorobenzene	91.0			77.0-126		10/03/2022 00:18	<a href="#">WG1936044</a>
(S) 1,2-Dichloroethane-d4	109			70.0-130		10/01/2022 16:35	<a href="#">WG1935563</a>
(S) 1,2-Dichloroethane-d4	89.6			70.0-130		10/03/2022 00:18	<a href="#">WG1936044</a>

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	2080		50.0	1	10/02/2022 17:05	<a href="#">WG1935988</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	132		0.379	1.00	1	09/29/2022 19:39	<a href="#">WG1934245</a>
Sulfate	1100		5.94	50.0	10	09/29/2022 19:55	<a href="#">WG1934245</a>

## 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	10/01/2022 16:55	<a href="#">WG1935563</a>
Toluene	U		0.000278	0.00100	1	10/01/2022 16:55	<a href="#">WG1935563</a>
Ethylbenzene	U		0.000137	0.00100	1	10/01/2022 16:55	<a href="#">WG1935563</a>
Xylenes, Total	U		0.000174	0.00300	1	10/01/2022 16:55	<a href="#">WG1935563</a>
Naphthalene	U	<a href="#">J3 J4</a>	0.00100	0.00500	1	10/01/2022 16:55	<a href="#">WG1935563</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/01/2022 16:55	<a href="#">WG1935563</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/01/2022 16:55	<a href="#">WG1935563</a>
(S) Toluene-d8	102			80.0-120		10/01/2022 16:55	<a href="#">WG1935563</a>
(S) 4-Bromofluorobenzene	104			77.0-126		10/01/2022 16:55	<a href="#">WG1935563</a>
(S) 1,2-Dichloroethane-d4	110			70.0-130		10/01/2022 16:55	<a href="#">WG1935563</a>

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



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1610		50.0	1	10/02/2022 17:05	<a href="#">WG1935988</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	106		1.90	5.00	5	09/29/2022 20:11	<a href="#">WG1934245</a>
Sulfate	880		2.97	25.0	5	09/29/2022 20:11	<a href="#">WG1934245</a>

## 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	0.000123	J	0.0000941	0.00100	1	10/02/2022 03:44	<a href="#">WG1935624</a>
Toluene	0.000552	J	0.000278	0.00100	1	10/02/2022 03:44	<a href="#">WG1935624</a>
Ethylbenzene	0.000451	J	0.000137	0.00100	1	10/02/2022 03:44	<a href="#">WG1935624</a>
Xylenes, Total	0.000320	J	0.000174	0.00300	1	10/02/2022 03:44	<a href="#">WG1935624</a>
Naphthalene	0.00164	J	0.00100	0.00500	1	10/02/2022 03:44	<a href="#">WG1935624</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/02/2022 03:44	<a href="#">WG1935624</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/02/2022 03:44	<a href="#">WG1935624</a>
(S) Toluene-d8	98.8			80.0-120		10/02/2022 03:44	<a href="#">WG1935624</a>
(S) 4-Bromofluorobenzene	105			77.0-126		10/02/2022 03:44	<a href="#">WG1935624</a>
(S) 1,2-Dichloroethane-d4	95.3			70.0-130		10/02/2022 03:44	<a href="#">WG1935624</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3845422-1 10/02/22 17:05

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

L1538852-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1538852-08 10/02/22 17:05 • (DUP) R3845422-3 10/02/22 17:05

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	222	222	1	0.000		5

L1538852-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1538852-13 10/02/22 17:05 • (DUP) R3845422-4 10/02/22 17:05

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1310	1420	1	7.52	J3	5

Laboratory Control Sample (LCS)

(LCS) R3845422-2 10/02/22 17:05

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8250	93.8	77.3-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3845412-1 10/02/22 18:05

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

L1539779-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1539779-01 10/02/22 18:05 • (DUP) R3845412-3 10/02/22 18:05

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	613	624	1	1.72		5

L1539801-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1539801-01 10/02/22 18:05 • (DUP) R3845412-4 10/02/22 18:05

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	250	255	1	1.98		5

Laboratory Control Sample (LCS)

(LCS) R3845412-2 10/02/22 18:05

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8510	96.7	77.3-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3847720-1 10/03/22 17:01

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

L1539810-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1539810-01 10/03/22 17:01 • (DUP) R3847720-3 10/03/22 17:01

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	643	675	1	4.86		5

L1540136-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1540136-01 10/03/22 17:01 • (DUP) R3847720-4 10/03/22 17:01

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	298	308	1	3.30		5

Laboratory Control Sample (LCS)

(LCS) R3847720-2 10/03/22 17:01

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8410	95.6	77.3-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3843588-1 09/29/22 10:58

	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

L1540606-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1540606-01 09/29/22 13:50 • (DUP) R3843588-3 09/29/22 14:05

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	58.7	58.8	1	0.0274		15
Sulfate	302	302	1	0.0935	E	15

L1540606-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1540606-07 09/29/22 17:16 • (DUP) R3843588-6 09/29/22 17:32

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	84.1	84.4	1	0.442		15
Sulfate	680	681	1	0.115	E	15

Laboratory Control Sample (LCS)

(LCS) R3843588-2 09/29/22 11:14

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	40.3	101	80.0-120	
Sulfate	40.0	41.9	105	80.0-120	

L1540606-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1540606-01 09/29/22 13:50 • (MS) R3843588-4 09/29/22 14:21 • (MSD) R3843588-5 09/29/22 14:37

	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	58.7	108	109	98.2	99.8	1	80.0-120			0.739	15
Sulfate	50.0	302	332	326	61.5	49.2	1	80.0-120	E V	E V	1.87	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1540606-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1540606-07 09/29/22 17:16 • (MS) R3843588-7 09/29/22 17:48

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	84.1	134	99.6	1	80.0-120	
Sulfate	50.0	680	722	83.6	1	80.0-120	E

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3844142-1 10/01/22 09:45

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

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1538852-31 Original Sample (OS) • Duplicate (DUP)

(OS) L1538852-31 10/01/22 15:41 • (DUP) R3844142-3 10/01/22 15:54

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfate	U	U	1	0.000		15

L1540606-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1540606-07 10/01/22 20:51 • (DUP) R3844142-6 10/01/22 21:03

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfate	629	636	10	1.11		15

Laboratory Control Sample (LCS)

(LCS) R3844142-2 10/01/22 09:58

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Sulfate	40.0	39.9	99.9	80.0-120	

L1538852-31 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1538852-31 10/01/22 15:41 • (MS) R3844142-4 10/01/22 16:06 • (MSD) R3844142-5 10/01/22 16:19

	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	%	%		%			%	%
Sulfate	50.0	U	51.3	50.7	103	101	1	80.0-120			1.13	15

Method Blank (MB)

(MB) R3843797-3 10/01/22 09:11

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	104			80.0-120
(S) 4-Bromofluorobenzene	108			77.0-126
(S) 1,2-Dichloroethane-d4	110			70.0-130

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

(LCS) R3843797-1 10/01/22 08:09 • (LCSD) R3843797-2 10/01/22 08:30

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	0.00591	0.00559	118	112	70.0-123			5.57	20
Toluene	0.00500	0.00471	0.00470	94.2	94.0	79.0-120			0.213	20
Ethylbenzene	0.00500	0.00425	0.00456	85.0	91.2	79.0-123			7.04	20
Xylenes, Total	0.0150	0.0132	0.0130	88.0	86.7	79.0-123			1.53	20
Naphthalene	0.00500	0.00246	0.00339	49.2	67.8	54.0-135	J4	J3	31.8	20
1,2,4-Trimethylbenzene	0.00500	0.00427	0.00428	85.4	85.6	76.0-121			0.234	20
1,3,5-Trimethylbenzene	0.00500	0.00446	0.00446	89.2	89.2	76.0-122			0.000	20
(S) Toluene-d8				97.7	98.4	80.0-120				
(S) 4-Bromofluorobenzene				109	109	77.0-126				
(S) 1,2-Dichloroethane-d4				107	107	70.0-130				

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) R3844325-3 10/01/22 21:50

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	104			80.0-120
(S) 4-Bromofluorobenzene	108			77.0-126
(S) 1,2-Dichloroethane-d4	96.8			70.0-130

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

(LCS) R3844325-1 10/01/22 20:47 • (LCSD) R3844325-2 10/01/22 21:08

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	0.00534	0.00547	107	109	70.0-123			2.41	20
Toluene	0.00500	0.00450	0.00460	90.0	92.0	79.0-120			2.20	20
Ethylbenzene	0.00500	0.00482	0.00511	96.4	102	79.0-123			5.84	20
Xylenes, Total	0.0150	0.0151	0.0155	101	103	79.0-123			2.61	20
Naphthalene	0.00500	0.00348	0.00369	69.6	73.8	54.0-135			5.86	20
1,2,4-Trimethylbenzene	0.00500	0.00455	0.00474	91.0	94.8	76.0-121			4.09	20
1,3,5-Trimethylbenzene	0.00500	0.00465	0.00480	93.0	96.0	76.0-122			3.17	20
(S) Toluene-d8				102	101	80.0-120				
(S) 4-Bromofluorobenzene				108	107	77.0-126				
(S) 1,2-Dichloroethane-d4				99.1	98.9	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3845035-3 10/02/22 22:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
(S) Toluene-d8	115			80.0-120
(S) 4-Bromofluorobenzene	92.5			77.0-126
(S) 1,2-Dichloroethane-d4	87.7			70.0-130

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

(LCS) R3845035-1 10/02/22 20:32 • (LCSD) R3845035-2 10/02/22 20:53

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	0.00406	0.00424	81.2	84.8	70.0-123			4.34	20
(S) Toluene-d8				114	112	80.0-120				
(S) 4-Bromofluorobenzene				94.5	94.6	77.0-126				
(S) 1,2-Dichloroethane-d4				91.4	90.3	70.0-130				

1  
Cp

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Tc

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# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

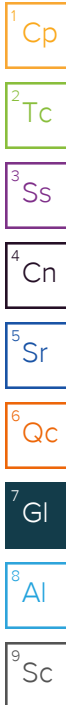
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
J4	The associated batch QC was outside the established quality control range for accuracy.
V	The sample concentration is too high to evaluate accurate spike recoveries.



# ACCREDITATIONS & LOCATIONS

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


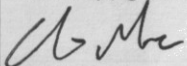
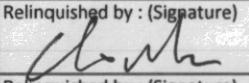
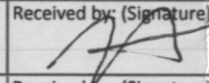
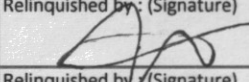
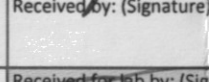
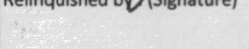
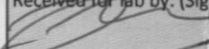
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Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North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

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

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

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



<b>ENTRADA CONSULTING GROUP</b> 330 Grand Avenue, Unit C Grand Junction, CO 81501				Billing Information: Same as left.				Pres Chk		Analysis / Container / Preservative										Chain of Custody Page ____ of ____  L.A.B S.C.I.E.N.C.E.S YOUR LAB OF CHOICE 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
				Report to: <b>Matt Kasten</b>				Email To: <b>mkasten@entradainc.com</b>				<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; margin-right: 5px;">             BTEX Naphthalene Table 915 1,2,4-TMB, 1,3,5 TMB TDS Chloride Sulfate           </div> <div style="border: 1px solid black; padding: 5px; flex-grow: 1;">             L# <b>1540606</b>  <b>F218</b>              Acctnum: <b>ENTCONGJCO</b>              Template: <b>T180606</b>              Prelogin: <b>P822085</b>              TSR:              PB:              Shipped Via:              Remarks              Sample # (lab only)           </div> </div>									
Project Description: <b>Baker Canyon Spill</b>				City/State Collected: <b>CO</b>																	
Phone: <b>970-901-9007</b> Fax:		Client Project # <b>021-054</b>		Lab Project # <b>ENTCONGJCO-915</b>																	
Collected by (print): <b>C. Mace</b>		Site/Facility ID #		P.O. #																	
Collected by (signature):  Immediately Packed on Ice N ___ Y <b>X</b>		<b>Rush?</b> (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																	
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs														
MW-1		Grab	GW	--	20220926	1000	5														
MW-10						1030															
MW-3						1115															
MW-4						1145															
MW-5						1215															
MW-2						1230															
MW-9						1250															
MW-11						1315															
MW-12						1345															
MW-7						1415															
* Matrix: SS - Soil   AIR - Air   F - Filter GW - Groundwater   B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____				Remarks: Samples returned via: ___ UPS ___ FedEx ___ Courier _____				Tracking # <b>575580849120</b>													
Relinquished by: (Signature) 				Date: <b>20220926</b>	Time: <b>1700</b>	Received by: (Signature) 		Trip Blank Received: Yes <b>NO</b> HCL / MeOH TBR		Sample Receipt Checklist COC Seal Present/Intact: <input checked="" type="checkbox"/> NP <input type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If Applicable VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N											
Relinquished by: (Signature) 				Date: <b>9/27/22</b>	Time: <b>1200</b>	Received by: (Signature) 		Temp: <b>54.7C</b> Bottles Received: <b>0.350-0.3</b> <b>600</b>		If preservation required by Login: Date/Time											
Relinquished by: (Signature) 				Date:	Time:	Received for lab by: (Signature) 		Date: <b>09/28/22</b> Time: <b>0900</b>		Hold:		Condition: NCF / <b>OK</b>									





## Entrada Consulting Group

Sample Delivery Group: L1540765  
Samples Received: 09/28/2022  
Project Number: 021-054  
Description: Baker Canyon Spill

Report To: Matt Kasten  
330 Grand Avenue  
Suite C  
Grand Junction, CO 81501

Entire Report Reviewed By:



Chris Ward  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**

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

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



# SAMPLE SUMMARY

SW-1 L1540765-01 GW

Collected by  
C. Mace

Collected date/time  
09/27/22 13:20

Received date/time  
09/28/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1936483	1	10/04/22 12:01	10/04/22 13:45	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1934792	5	09/30/22 00:42	09/30/22 00:42	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1938396	1	10/06/22 22:04	10/06/22 22:04	JAH	Mt. Juliet, TN

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

# 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	814	<a href="#">J3</a>	20.0	1	10/04/2022 13:45	<a href="#">WG1936483</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	60.7		1.90	5.00	5	09/30/2022 00:42	<a href="#">WG1934792</a>
Sulfate	231		2.97	25.0	5	09/30/2022 00:42	<a href="#">WG1934792</a>

## 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	10/06/2022 22:04	<a href="#">WG1938396</a>
Toluene	U		0.000278	0.00100	1	10/06/2022 22:04	<a href="#">WG1938396</a>
Ethylbenzene	U		0.000137	0.00100	1	10/06/2022 22:04	<a href="#">WG1938396</a>
Xylenes, Total	U		0.000174	0.00300	1	10/06/2022 22:04	<a href="#">WG1938396</a>
Naphthalene	U		0.00100	0.00500	1	10/06/2022 22:04	<a href="#">WG1938396</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	10/06/2022 22:04	<a href="#">WG1938396</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/06/2022 22:04	<a href="#">WG1938396</a>
(S) Toluene-d8	98.7			80.0-120		10/06/2022 22:04	<a href="#">WG1938396</a>
(S) 4-Bromofluorobenzene	95.7			77.0-126		10/06/2022 22:04	<a href="#">WG1938396</a>
(S) 1,2-Dichloroethane-d4	108			70.0-130		10/06/2022 22:04	<a href="#">WG1938396</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3846247-1 10/04/22 13:45

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

L1540758-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1540758-05 10/04/22 13:45 • (DUP) R3846247-3 10/04/22 13:45

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	3470	4780	1	31.8	J3	5

L1540765-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1540765-01 10/04/22 13:45 • (DUP) R3846247-4 10/04/22 13:45

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	814	882	1	8.02	J3	5

Laboratory Control Sample (LCS)

(LCS) R3846247-2 10/04/22 13:45

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8520	96.8	77.3-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3843182-1 09/29/22 13:58

	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

L1540948-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1540948-01 09/30/22 01:50 • (DUP) R3843182-3 09/30/22 02:03

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	U	U	1	0.000		15
Sulfate	U	U	1	0.000		15

L1541035-31 Original Sample (OS) • Duplicate (DUP)

(OS) L1541035-31 09/30/22 05:57 • (DUP) R3843182-6 09/30/22 06:10

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	17.5	17.4	1	0.804		15
Sulfate	37.5	38.1	1	1.75		15

Laboratory Control Sample (LCS)

(LCS) R3843182-2 09/29/22 14:11

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	41.7	104	80.0-120	
Sulfate	40.0	39.7	99.2	80.0-120	

L1540948-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1540948-01 09/30/22 01:50 • (MS) R3843182-4 09/30/22 02:17 • (MSD) R3843182-5 09/30/22 02:56

	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	U	51.5	51.7	103	103	1	80.0-120			0.291	15
Sulfate	50.0	U	49.5	50.0	99.1	100	1	80.0-120			0.930	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1541035-31 Original Sample (OS) • Matrix Spike (MS)

(OS) L1541035-31 09/30/22 05:57 • (MS) R3843182-7 09/30/22 06:23

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	17.5	69.7	104	1	80.0-120	
Sulfate	50.0	37.5	88.8	103	1	80.0-120	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3846298-3 10/06/22 19:57

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	95.4			80.0-120
(S) 4-Bromofluorobenzene	106			77.0-126
(S) 1,2-Dichloroethane-d4	109			70.0-130

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

(LCS) R3846298-1 10/06/22 19:00 • (LCSD) R3846298-2 10/06/22 19:19

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	0.00565	0.00517	113	103	70.0-123			8.87	20
Toluene	0.00500	0.00530	0.00476	106	95.2	79.0-120			10.7	20
Ethylbenzene	0.00500	0.00509	0.00498	102	99.6	79.0-123			2.18	20
Xylenes, Total	0.0150	0.0159	0.0151	106	101	79.0-123			5.16	20
Naphthalene	0.00500	0.00548	0.00568	110	114	54.0-135			3.58	20
1,2,4-Trimethylbenzene	0.00500	0.00545	0.00518	109	104	76.0-121			5.08	20
1,3,5-Trimethylbenzene	0.00500	0.00561	0.00533	112	107	76.0-122			5.12	20
(S) Toluene-d8				99.4	95.7	80.0-120				
(S) 4-Bromofluorobenzene				94.0	101	77.0-126				
(S) 1,2-Dichloroethane-d4				111	110	70.0-130				

L1540837-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1540837-03 10/06/22 23:00 • (MS) R3846298-4 10/07/22 02:48 • (MSD) R3846298-5 10/07/22 03:07

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 %
Benzene	0.00500	U	0.00420	0.00504	84.0	101	1	17.0-158			18.2	27
Toluene	0.00500	U	0.00414	0.00465	82.8	93.0	1	26.0-154			11.6	28
Ethylbenzene	0.00500	U	0.00418	0.00498	83.6	99.6	1	30.0-155			17.5	27
Xylenes, Total	0.0150	U	0.0121	0.0157	80.7	105	1	29.0-154			25.9	28
Naphthalene	0.00500	U	0.00537	0.00497	107	99.4	1	12.0-156			7.74	35
1,2,4-Trimethylbenzene	0.00500	U	0.00461	0.00504	92.2	101	1	26.0-154			8.91	27
1,3,5-Trimethylbenzene	0.00500	U	0.00482	0.00492	96.4	98.4	1	28.0-153			2.05	27

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1540837-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1540837-03 10/06/22 23:00 • (MS) R3846298-4 10/07/22 02:48 • (MSD) R3846298-5 10/07/22 03:07

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 %
(S) Toluene-d8					98.7	94.1		80.0-120				
(S) 4-Bromofluorobenzene					94.1	108		77.0-126				
(S) 1,2-Dichloroethane-d4					114	113		70.0-130				

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



# 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.

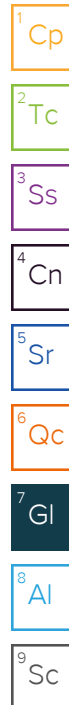
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

J3	The associated batch QC was outside the established quality control range for precision.
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# 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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

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

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

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



