

## Entrada Consulting Group

Sample Delivery Group: L1292853

Samples Received: 12/04/2020

Project Number:

Description: Pad 11

Report To: Stuart Hall  
240 Mesa Avenue  
Grand Junction, CO 81501

Entire Report Reviewed By:

*Chris Ward*

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.



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# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



## P11-SS1 L1292853-01 Solid

Collected by R. Johnson  
Collected date/time 12/03/20 09:50  
Received date/time 12/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1587065	1	12/10/20 11:12	12/10/20 11:12	KMG	Mt. Juliet, TN
Calculated Results	WG1590119	1	12/10/20 20:01	12/15/20 00:26	KPS	Mt. Juliet, TN
Wet Chemistry by Method 3060A/7196A	WG1589653	1	12/10/20 18:04	12/15/20 00:26	KPS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1589704	1	12/12/20 20:09	12/13/20 01:46	BJD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1587109	1	12/05/20 12:17	12/05/20 15:00	SRG	Mt. Juliet, TN
Mercury by Method 7471A	WG1590332	1	12/11/20 10:27	12/12/20 08:58	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1590119	1	12/10/20 20:01	12/11/20 10:48	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1588330	1	12/05/20 21:28	12/09/20 01:54	TPR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1589976	1	12/10/20 23:27	12/11/20 13:18	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1590154	1	12/11/20 07:29	12/11/20 13:25	KME	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

## P11-SS2 L1292853-02 Solid

Collected by R. Johnson  
Collected date/time 12/03/20 10:15  
Received date/time 12/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1587065	1	12/10/20 11:15	12/10/20 11:15	KMG	Mt. Juliet, TN
Calculated Results	WG1590119	1	12/10/20 20:01	12/15/20 00:26	KPS	Mt. Juliet, TN
Wet Chemistry by Method 3060A/7196A	WG1589653	1	12/10/20 18:04	12/15/20 00:26	KPS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1589704	1	12/12/20 20:09	12/13/20 01:46	BJD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1587109	1	12/05/20 12:17	12/05/20 15:00	SRG	Mt. Juliet, TN
Mercury by Method 7471A	WG1590332	1	12/11/20 10:27	12/12/20 09:01	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1590119	1	12/10/20 20:01	12/11/20 10:50	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1588330	1	12/05/20 21:28	12/09/20 02:15	TPR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1589976	1	12/10/20 23:27	12/11/20 12:26	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1590154	1	12/11/20 07:29	12/11/20 13:44	KME	Mt. Juliet, TN

## P11-SS3 L1292853-03 Solid

Collected by R. Johnson  
Collected date/time 12/03/20 10:50  
Received date/time 12/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1587065	1	12/10/20 11:18	12/10/20 11:18	KMG	Mt. Juliet, TN
Calculated Results	WG1590119	1	12/10/20 20:01	12/15/20 00:27	KPS	Mt. Juliet, TN
Wet Chemistry by Method 3060A/7196A	WG1589653	1	12/10/20 18:04	12/15/20 00:27	KPS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1589705	1	12/12/20 19:05	12/12/20 21:15	BJD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1587109	1	12/05/20 12:17	12/05/20 15:00	SRG	Mt. Juliet, TN
Mercury by Method 7471A	WG1590332	1	12/11/20 10:27	12/12/20 09:03	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1590119	1	12/10/20 20:01	12/11/20 10:53	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1588330	1	12/05/20 21:28	12/09/20 02:57	TPR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1589976	1	12/10/20 23:27	12/11/20 12:39	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1590154	1	12/11/20 07:29	12/11/20 14:04	KME	Mt. Juliet, TN

## P11-SS4 L1292853-04 Solid

Collected by R. Johnson  
Collected date/time 12/03/20 11:25  
Received date/time 12/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1587065	1	12/10/20 11:21	12/10/20 11:21	KMG	Mt. Juliet, TN
Calculated Results	WG1590119	1	12/10/20 20:01	12/15/20 00:29	KPS	Mt. Juliet, TN
Wet Chemistry by Method 3060A/7196A	WG1589653	1	12/10/20 18:04	12/15/20 00:29	KPS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1589705	1	12/12/20 19:05	12/12/20 21:15	BJD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1587109	1	12/05/20 12:17	12/05/20 15:00	SRG	Mt. Juliet, TN
Mercury by Method 7471A	WG1590332	1	12/11/20 10:27	12/12/20 09:06	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1590119	1	12/10/20 20:01	12/11/20 09:38	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1588330	1	12/05/20 21:28	12/09/20 03:17	TPR	Mt. Juliet, TN

ACCOUNT:

Entrada Consulting Group

PROJECT:

SDG:

L1292853

DATE/TIME:

12/15/20 10:59

PAGE:

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## P11-SS4 L1292853-04 Solid

Collected by  
R. JohnsonCollected date/time  
12/03/20 11:25Received date/time  
12/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1589976	1	12/10/20 23:27	12/11/20 12:52	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1590154	1	12/11/20 07:29	12/11/20 14:24	KME	Mt. Juliet, TN

<sup>1</sup>Cp<sup>2</sup>Tc<sup>3</sup>Ss

## P11-SS5 L1292853-05 Solid

Collected by  
R. JohnsonCollected date/time  
12/03/20 11:55Received date/time  
12/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1587065	1	12/10/20 11:24	12/10/20 11:24	KMG	Mt. Juliet, TN
Calculated Results	WG1590119	1	12/10/20 20:01	12/15/20 00:29	KPS	Mt. Juliet, TN
Wet Chemistry by Method 3060A/7196A	WG1589653	1	12/10/20 18:04	12/15/20 00:29	KPS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1589705	1	12/12/20 19:05	12/12/20 21:15	BJD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1587109	1	12/05/20 12:17	12/05/20 15:00	SRG	Mt. Juliet, TN
Mercury by Method 7471A	WG1590332	1	12/11/20 10:27	12/12/20 09:08	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1590119	1	12/10/20 20:01	12/11/20 09:41	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1588330	1	12/05/20 21:28	12/09/20 03:38	TPR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1589976	1	12/10/20 23:27	12/11/20 13:05	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1590154	1	12/11/20 07:29	12/11/20 14:43	KME	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



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

<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



## Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.341		1	12/10/2020 11:12	WG1587065

<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

## Calculated Results

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium, Trivalent	12.9		1.00	1	12/15/2020 00:26	<a href="#">WG1590119</a>

## Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium, Hexavalent	ND		2.00	1	12/15/2020 00:26	<a href="#">WG1589653</a>

## Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.44	<a href="#">T8</a>	1	12/13/2020 01:46	<a href="#">WG1589704</a>

## Sample Narrative:

L1292853-01 WG1589704: 7.44 at 19.5C

## Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	286		10.0	1	12/05/2020 15:00	<a href="#">WG1587109</a>

## Mercury by Method 7471A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0400	1	12/12/2020 08:58	<a href="#">WG1590332</a>

## Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.41		2.00	1	12/11/2020 10:48	<a href="#">WG1590119</a>
Barium	122		0.500	1	12/11/2020 10:48	<a href="#">WG1590119</a>
Cadmium	ND		0.500	1	12/11/2020 10:48	<a href="#">WG1590119</a>
Chromium	12.9		1.00	1	12/11/2020 10:48	<a href="#">WG1590119</a>
Copper	11.2		2.00	1	12/11/2020 10:48	<a href="#">WG1590119</a>
Lead	7.22		0.500	1	12/11/2020 10:48	<a href="#">WG1590119</a>
Nickel	11.6		2.00	1	12/11/2020 10:48	<a href="#">WG1590119</a>
Selenium	ND		2.00	1	12/11/2020 10:48	<a href="#">WG1590119</a>
Silver	ND		1.00	1	12/11/2020 10:48	<a href="#">WG1590119</a>
Zinc	36.6		5.00	1	12/11/2020 10:48	<a href="#">WG1590119</a>

## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00212		0.000500	1	12/09/2020 01:54	<a href="#">WG1588330</a>
Toluene	ND		0.00500	1	12/09/2020 01:54	<a href="#">WG1588330</a>
Ethylbenzene	0.000913		0.000500	1	12/09/2020 01:54	<a href="#">WG1588330</a>
Total Xylene	0.00261		0.00150	1	12/09/2020 01:54	<a href="#">WG1588330</a>
TPH (GC/FID) Low Fraction	0.264		0.100	1	12/09/2020 01:54	<a href="#">WG1588330</a>



Collected date/time: 12/03/20 09:50

L1292853

## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	106		77.0-120		12/09/2020 01:54	<a href="#">WG1588330</a>
(S) a,a,a-Trifluorotoluene(PID)	99.1		72.0-128		12/09/2020 01:54	<a href="#">WG1588330</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	22.4		4.00	1	12/11/2020 13:18	<a href="#">WG1589976</a>
(S) o-Terphenyl	51.1		18.0-148		12/11/2020 13:18	<a href="#">WG1589976</a>

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	12/11/2020 13:25	<a href="#">WG1590154</a>
Acenaphthene	ND		0.00600	1	12/11/2020 13:25	<a href="#">WG1590154</a>
Acenaphthylene	ND		0.00600	1	12/11/2020 13:25	<a href="#">WG1590154</a>
Benzo(a)anthracene	ND		0.00600	1	12/11/2020 13:25	<a href="#">WG1590154</a>
Benzo(a)pyrene	ND		0.00600	1	12/11/2020 13:25	<a href="#">WG1590154</a>
Benzo(b)fluoranthene	ND		0.00600	1	12/11/2020 13:25	<a href="#">WG1590154</a>
Benzo(g,h,i)perylene	ND		0.00600	1	12/11/2020 13:25	<a href="#">WG1590154</a>
Benzo(k)fluoranthene	ND		0.00600	1	12/11/2020 13:25	<a href="#">WG1590154</a>
Chrysene	ND		0.00600	1	12/11/2020 13:25	<a href="#">WG1590154</a>
Dibenz(a,h)anthracene	ND		0.00600	1	12/11/2020 13:25	<a href="#">WG1590154</a>
Fluoranthene	ND		0.00600	1	12/11/2020 13:25	<a href="#">WG1590154</a>
Fluorene	ND		0.00600	1	12/11/2020 13:25	<a href="#">WG1590154</a>
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	12/11/2020 13:25	<a href="#">WG1590154</a>
Naphthalene	ND		0.0200	1	12/11/2020 13:25	<a href="#">WG1590154</a>
Phenanthrene	ND		0.00600	1	12/11/2020 13:25	<a href="#">WG1590154</a>
Pyrene	ND		0.00600	1	12/11/2020 13:25	<a href="#">WG1590154</a>
1-Methylnaphthalene	ND		0.0200	1	12/11/2020 13:25	<a href="#">WG1590154</a>
2-Methylnaphthalene	ND		0.0200	1	12/11/2020 13:25	<a href="#">WG1590154</a>
2-Chloronaphthalene	ND		0.0200	1	12/11/2020 13:25	<a href="#">WG1590154</a>
(S) p-Terphenyl-d14	87.8		23.0-120		12/11/2020 13:25	<a href="#">WG1590154</a>
(S) Nitrobenzene-d5	84.0		14.0-149		12/11/2020 13:25	<a href="#">WG1590154</a>
(S) 2-Fluorobiphenyl	76.4		34.0-125		12/11/2020 13:25	<a href="#">WG1590154</a>



## Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.381		1	12/10/2020 11:15	WG1587065

## Calculated Results

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium, Trivalent	14.3		1.00	1	12/15/2020 00:26	<a href="#">WG1590119</a>

## Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium, Hexavalent	ND		2.00	1	12/15/2020 00:26	<a href="#">WG1589653</a>

## Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.37	<a href="#">T8</a>	1	12/13/2020 01:46	<a href="#">WG1589704</a>

## Sample Narrative:

L1292853-02 WG1589704: 7.37 at 19.2C

## Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	231		10.0	1	12/05/2020 15:00	<a href="#">WG1587109</a>

## Mercury by Method 7471A

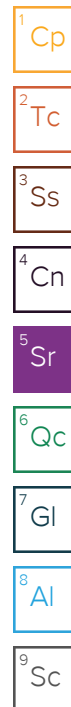
Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0400	1	12/12/2020 09:01	<a href="#">WG1590332</a>

## Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.17		2.00	1	12/11/2020 10:50	<a href="#">WG1590119</a>
Barium	125		0.500	1	12/11/2020 10:50	<a href="#">WG1590119</a>
Cadmium	ND		0.500	1	12/11/2020 10:50	<a href="#">WG1590119</a>
Chromium	14.3		1.00	1	12/11/2020 10:50	<a href="#">WG1590119</a>
Copper	11.3		2.00	1	12/11/2020 10:50	<a href="#">WG1590119</a>
Lead	6.66		0.500	1	12/11/2020 10:50	<a href="#">WG1590119</a>
Nickel	11.6		2.00	1	12/11/2020 10:50	<a href="#">WG1590119</a>
Selenium	ND		2.00	1	12/11/2020 10:50	<a href="#">WG1590119</a>
Silver	ND		1.00	1	12/11/2020 10:50	<a href="#">WG1590119</a>
Zinc	41.4		5.00	1	12/11/2020 10:50	<a href="#">WG1590119</a>

## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	12/09/2020 02:15	<a href="#">WG1588330</a>
Toluene	ND		0.00500	1	12/09/2020 02:15	<a href="#">WG1588330</a>
Ethylbenzene	ND		0.000500	1	12/09/2020 02:15	<a href="#">WG1588330</a>
Total Xylene	ND		0.00150	1	12/09/2020 02:15	<a href="#">WG1588330</a>
TPH (GC/FID) Low Fraction	ND		0.100	1	12/09/2020 02:15	<a href="#">WG1588330</a>







Collected date/time: 12/03/20 10:15

L1292853

## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	106		77.0-120		12/09/2020 02:15	<a href="#">WG1588330</a>
(S) a,a,a-Trifluorotoluene(PID)	97.8		72.0-128		12/09/2020 02:15	<a href="#">WG1588330</a>

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	4.89		4.00	1	12/11/2020 12:26	<a href="#">WG1589976</a>
(S) o-Terphenyl	50.5		18.0-148		12/11/2020 12:26	<a href="#">WG1589976</a>

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	12/11/2020 13:44	<a href="#">WG1590154</a>
Acenaphthene	ND		0.00600	1	12/11/2020 13:44	<a href="#">WG1590154</a>
Acenaphthylene	ND		0.00600	1	12/11/2020 13:44	<a href="#">WG1590154</a>
Benzo(a)anthracene	ND		0.00600	1	12/11/2020 13:44	<a href="#">WG1590154</a>
Benzo(a)pyrene	ND		0.00600	1	12/11/2020 13:44	<a href="#">WG1590154</a>
Benzo(b)fluoranthene	ND		0.00600	1	12/11/2020 13:44	<a href="#">WG1590154</a>
Benzo(g,h,i)perylene	ND		0.00600	1	12/11/2020 13:44	<a href="#">WG1590154</a>
Benzo(k)fluoranthene	ND		0.00600	1	12/11/2020 13:44	<a href="#">WG1590154</a>
Chrysene	ND		0.00600	1	12/11/2020 13:44	<a href="#">WG1590154</a>
Dibenz(a,h)anthracene	ND		0.00600	1	12/11/2020 13:44	<a href="#">WG1590154</a>
Fluoranthene	ND		0.00600	1	12/11/2020 13:44	<a href="#">WG1590154</a>
Fluorene	ND		0.00600	1	12/11/2020 13:44	<a href="#">WG1590154</a>
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	12/11/2020 13:44	<a href="#">WG1590154</a>
Naphthalene	ND		0.0200	1	12/11/2020 13:44	<a href="#">WG1590154</a>
Phenanthrene	ND		0.00600	1	12/11/2020 13:44	<a href="#">WG1590154</a>
Pyrene	ND		0.00600	1	12/11/2020 13:44	<a href="#">WG1590154</a>
1-Methylnaphthalene	ND		0.0200	1	12/11/2020 13:44	<a href="#">WG1590154</a>
2-Methylnaphthalene	ND		0.0200	1	12/11/2020 13:44	<a href="#">WG1590154</a>
2-Chloronaphthalene	ND		0.0200	1	12/11/2020 13:44	<a href="#">WG1590154</a>
(S) p-Terphenyl-d14	95.0		23.0-120		12/11/2020 13:44	<a href="#">WG1590154</a>
(S) Nitrobenzene-d5	88.6		14.0-149		12/11/2020 13:44	<a href="#">WG1590154</a>
(S) 2-Fluorobiphenyl	82.8		34.0-125		12/11/2020 13:44	<a href="#">WG1590154</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.299		1	12/10/2020 11:18	WG1587065

## Calculated Results

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium, Trivalent	12.8		1.00	1	12/15/2020 00:27	<a href="#">WG1590119</a>

## Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium, Hexavalent	ND		2.00	1	12/15/2020 00:27	<a href="#">WG1589653</a>

## Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.02	<a href="#">T8</a>	1	12/12/2020 21:15	<a href="#">WG1589705</a>

## Sample Narrative:

L1292853-03 WG1589705: 8.02 at 21.6C

## Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	352		10.0	1	12/05/2020 15:00	<a href="#">WG1587109</a>

## Mercury by Method 7471A

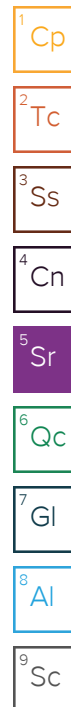
Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0400	1	12/12/2020 09:03	<a href="#">WG1590332</a>

## Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	ND		2.00	1	12/11/2020 10:53	<a href="#">WG1590119</a>
Barium	208		0.500	1	12/11/2020 10:53	<a href="#">WG1590119</a>
Cadmium	ND		0.500	1	12/11/2020 10:53	<a href="#">WG1590119</a>
Chromium	12.8		1.00	1	12/11/2020 10:53	<a href="#">WG1590119</a>
Copper	12.9		2.00	1	12/11/2020 10:53	<a href="#">WG1590119</a>
Lead	4.63		0.500	1	12/11/2020 10:53	<a href="#">WG1590119</a>
Nickel	33.2		2.00	1	12/11/2020 10:53	<a href="#">WG1590119</a>
Selenium	ND		2.00	1	12/11/2020 10:53	<a href="#">WG1590119</a>
Silver	ND		1.00	1	12/11/2020 10:53	<a href="#">WG1590119</a>
Zinc	41.5		5.00	1	12/11/2020 10:53	<a href="#">WG1590119</a>

## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00331		0.000500	1	12/09/2020 02:57	<a href="#">WG1588330</a>
Toluene	ND		0.00500	1	12/09/2020 02:57	<a href="#">WG1588330</a>
Ethylbenzene	0.00317		0.000500	1	12/09/2020 02:57	<a href="#">WG1588330</a>
Total Xylene	0.00670		0.00150	1	12/09/2020 02:57	<a href="#">WG1588330</a>
TPH (GC/FID) Low Fraction	0.515		0.100	1	12/09/2020 02:57	<a href="#">WG1588330</a>





Collected date/time: 12/03/20 10:50

L1292853

## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	108		77.0-120		12/09/2020 02:57	<a href="#">WG1588330</a>
(S) a,a,a-Trifluorotoluene(PID)	99.7		72.0-128		12/09/2020 02:57	<a href="#">WG1588330</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	10.8		4.00	1	12/11/2020 12:39	<a href="#">WG1589976</a>
(S) o-Terphenyl	53.5		18.0-148		12/11/2020 12:39	<a href="#">WG1589976</a>

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	12/11/2020 14:04	<a href="#">WG1590154</a>
Acenaphthene	ND		0.00600	1	12/11/2020 14:04	<a href="#">WG1590154</a>
Acenaphthylene	ND		0.00600	1	12/11/2020 14:04	<a href="#">WG1590154</a>
Benzo(a)anthracene	ND		0.00600	1	12/11/2020 14:04	<a href="#">WG1590154</a>
Benzo(a)pyrene	ND		0.00600	1	12/11/2020 14:04	<a href="#">WG1590154</a>
Benzo(b)fluoranthene	ND		0.00600	1	12/11/2020 14:04	<a href="#">WG1590154</a>
Benzo(g,h,i)perylene	ND		0.00600	1	12/11/2020 14:04	<a href="#">WG1590154</a>
Benzo(k)fluoranthene	ND		0.00600	1	12/11/2020 14:04	<a href="#">WG1590154</a>
Chrysene	ND		0.00600	1	12/11/2020 14:04	<a href="#">WG1590154</a>
Dibenz(a,h)anthracene	ND		0.00600	1	12/11/2020 14:04	<a href="#">WG1590154</a>
Fluoranthene	ND		0.00600	1	12/11/2020 14:04	<a href="#">WG1590154</a>
Fluorene	ND		0.00600	1	12/11/2020 14:04	<a href="#">WG1590154</a>
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	12/11/2020 14:04	<a href="#">WG1590154</a>
Naphthalene	ND		0.0200	1	12/11/2020 14:04	<a href="#">WG1590154</a>
Phenanthrene	ND		0.00600	1	12/11/2020 14:04	<a href="#">WG1590154</a>
Pyrene	ND		0.00600	1	12/11/2020 14:04	<a href="#">WG1590154</a>
1-Methylnaphthalene	ND		0.0200	1	12/11/2020 14:04	<a href="#">WG1590154</a>
2-Methylnaphthalene	ND		0.0200	1	12/11/2020 14:04	<a href="#">WG1590154</a>
2-Chloronaphthalene	ND		0.0200	1	12/11/2020 14:04	<a href="#">WG1590154</a>
(S) p-Terphenyl-d14	93.6		23.0-120		12/11/2020 14:04	<a href="#">WG1590154</a>
(S) Nitrobenzene-d5	86.7		14.0-149		12/11/2020 14:04	<a href="#">WG1590154</a>
(S) 2-Fluorobiphenyl	81.8		34.0-125		12/11/2020 14:04	<a href="#">WG1590154</a>



## Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.415		1	12/10/2020 11:21	WG1587065

<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

## Calculated Results

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium, Trivalent	18.3		1.00	1	12/15/2020 00:29	<a href="#">WG1590119</a>

## Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium, Hexavalent	ND		2.00	1	12/15/2020 00:29	<a href="#">WG1589653</a>

## Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.26	<a href="#">T8</a>	1	12/12/2020 21:15	<a href="#">WG1589705</a>

## Sample Narrative:

L1292853-04 WG1589705: 8.26 at 22.7C

## Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	253		10.0	1	12/05/2020 15:00	<a href="#">WG1587109</a>

## Mercury by Method 7471A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0400	1	12/12/2020 09:06	<a href="#">WG1590332</a>

## Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	ND		2.00	1	12/11/2020 09:38	<a href="#">WG1590119</a>
Barium	132		0.500	1	12/11/2020 09:38	<a href="#">WG1590119</a>
Cadmium	ND		0.500	1	12/11/2020 09:38	<a href="#">WG1590119</a>
Chromium	18.3		1.00	1	12/11/2020 09:38	<a href="#">WG1590119</a>
Copper	20.4		2.00	1	12/11/2020 09:38	<a href="#">WG1590119</a>
Lead	10.6		0.500	1	12/11/2020 09:38	<a href="#">WG1590119</a>
Nickel	16.2		2.00	1	12/11/2020 09:38	<a href="#">WG1590119</a>
Selenium	ND		2.00	1	12/11/2020 09:38	<a href="#">WG1590119</a>
Silver	ND		1.00	1	12/11/2020 09:38	<a href="#">WG1590119</a>
Zinc	85.7		5.00	1	12/11/2020 09:38	<a href="#">WG1590119</a>

## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.000806		0.000500	1	12/09/2020 03:17	<a href="#">WG1588330</a>
Toluene	ND		0.00500	1	12/09/2020 03:17	<a href="#">WG1588330</a>
Ethylbenzene	ND		0.000500	1	12/09/2020 03:17	<a href="#">WG1588330</a>
Total Xylene	ND		0.00150	1	12/09/2020 03:17	<a href="#">WG1588330</a>
TPH (GC/FID) Low Fraction	ND		0.100	1	12/09/2020 03:17	<a href="#">WG1588330</a>



Collected date/time: 12/03/20 11:25

L1292853

## Volatile Organic Compounds (GC) by Method 8015/8021

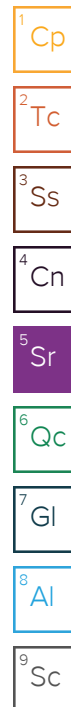
Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	107		77.0-120		12/09/2020 03:17	<a href="#">WG1588330</a>
(S) a,a,a-Trifluorotoluene(PID)	98.0		72.0-128		12/09/2020 03:17	<a href="#">WG1588330</a>

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	7.10		4.00	1	12/11/2020 12:52	<a href="#">WG1589976</a>
(S) o-Terphenyl	59.7		18.0-148		12/11/2020 12:52	<a href="#">WG1589976</a>

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	12/11/2020 14:24	<a href="#">WG1590154</a>
Acenaphthene	ND		0.00600	1	12/11/2020 14:24	<a href="#">WG1590154</a>
Acenaphthylene	ND		0.00600	1	12/11/2020 14:24	<a href="#">WG1590154</a>
Benzo(a)anthracene	ND		0.00600	1	12/11/2020 14:24	<a href="#">WG1590154</a>
Benzo(a)pyrene	ND		0.00600	1	12/11/2020 14:24	<a href="#">WG1590154</a>
Benzo(b)fluoranthene	ND		0.00600	1	12/11/2020 14:24	<a href="#">WG1590154</a>
Benzo(g,h,i)perylene	ND		0.00600	1	12/11/2020 14:24	<a href="#">WG1590154</a>
Benzo(k)fluoranthene	ND		0.00600	1	12/11/2020 14:24	<a href="#">WG1590154</a>
Chrysene	ND		0.00600	1	12/11/2020 14:24	<a href="#">WG1590154</a>
Dibenz(a,h)anthracene	ND		0.00600	1	12/11/2020 14:24	<a href="#">WG1590154</a>
Fluoranthene	ND		0.00600	1	12/11/2020 14:24	<a href="#">WG1590154</a>
Fluorene	ND		0.00600	1	12/11/2020 14:24	<a href="#">WG1590154</a>
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	12/11/2020 14:24	<a href="#">WG1590154</a>
Naphthalene	ND		0.0200	1	12/11/2020 14:24	<a href="#">WG1590154</a>
Phenanthrene	ND		0.00600	1	12/11/2020 14:24	<a href="#">WG1590154</a>
Pyrene	ND		0.00600	1	12/11/2020 14:24	<a href="#">WG1590154</a>
1-Methylnaphthalene	ND		0.0200	1	12/11/2020 14:24	<a href="#">WG1590154</a>
2-Methylnaphthalene	ND		0.0200	1	12/11/2020 14:24	<a href="#">WG1590154</a>
2-Chloronaphthalene	ND		0.0200	1	12/11/2020 14:24	<a href="#">WG1590154</a>
(S) p-Terphenyl-d14	102		23.0-120		12/11/2020 14:24	<a href="#">WG1590154</a>
(S) Nitrobenzene-d5	90.7		14.0-149		12/11/2020 14:24	<a href="#">WG1590154</a>
(S) 2-Fluorobiphenyl	87.1		34.0-125		12/11/2020 14:24	<a href="#">WG1590154</a>





## Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.483		1	12/10/2020 11:24	WG1587065

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Calculated Results

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium, Trivalent	15.4		1.00	1	12/15/2020 00:29	<a href="#">WG1590119</a>

## Wet Chemistry by Method 3060A/7196A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium, Hexavalent	ND		2.00	1	12/15/2020 00:29	<a href="#">WG1589653</a>

## Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.15	<a href="#">T8</a>	1	12/12/2020 21:15	<a href="#">WG1589705</a>

## Sample Narrative:

L1292853-05 WG1589705: 8.15 at 22.6C

## Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	242		10.0	1	12/05/2020 15:00	<a href="#">WG1587109</a>

## Mercury by Method 7471A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0400	1	12/12/2020 09:08	<a href="#">WG1590332</a>

## Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	ND		2.00	1	12/11/2020 09:41	<a href="#">WG1590119</a>
Barium	193		0.500	1	12/11/2020 09:41	<a href="#">WG1590119</a>
Cadmium	ND		0.500	1	12/11/2020 09:41	<a href="#">WG1590119</a>
Chromium	15.4		1.00	1	12/11/2020 09:41	<a href="#">WG1590119</a>
Copper	15.2		2.00	1	12/11/2020 09:41	<a href="#">WG1590119</a>
Lead	10.9		0.500	1	12/11/2020 09:41	<a href="#">WG1590119</a>
Nickel	16.1		2.00	1	12/11/2020 09:41	<a href="#">WG1590119</a>
Selenium	ND		2.00	1	12/11/2020 09:41	<a href="#">WG1590119</a>
Silver	ND		1.00	1	12/11/2020 09:41	<a href="#">WG1590119</a>
Zinc	57.0		5.00	1	12/11/2020 09:41	<a href="#">WG1590119</a>

## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00222		0.000500	1	12/09/2020 03:38	<a href="#">WG1588330</a>
Toluene	ND		0.00500	1	12/09/2020 03:38	<a href="#">WG1588330</a>
Ethylbenzene	ND		0.000500	1	12/09/2020 03:38	<a href="#">WG1588330</a>
Total Xylene	0.00156		0.00150	1	12/09/2020 03:38	<a href="#">WG1588330</a>
TPH (GC/FID) Low Fraction	ND		0.100	1	12/09/2020 03:38	<a href="#">WG1588330</a>



Collected date/time: 12/03/20 11:55

L1292853

## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
(S) a,a,a-Trifluorotoluene(FID)	107		77.0-120		12/09/2020 03:38	<a href="#">WG1588330</a>
(S) a,a,a-Trifluorotoluene(PID)	98.1		72.0-128		12/09/2020 03:38	<a href="#">WG1588330</a>

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	12.0		4.00	1	12/11/2020 13:05	<a href="#">WG1589976</a>
(S) o-Terphenyl	55.4		18.0-148		12/11/2020 13:05	<a href="#">WG1589976</a>

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00600	1	12/11/2020 14:43	<a href="#">WG1590154</a>
Acenaphthene	ND		0.00600	1	12/11/2020 14:43	<a href="#">WG1590154</a>
Acenaphthylene	ND		0.00600	1	12/11/2020 14:43	<a href="#">WG1590154</a>
Benzo(a)anthracene	ND		0.00600	1	12/11/2020 14:43	<a href="#">WG1590154</a>
Benzo(a)pyrene	ND		0.00600	1	12/11/2020 14:43	<a href="#">WG1590154</a>
Benzo(b)fluoranthene	ND		0.00600	1	12/11/2020 14:43	<a href="#">WG1590154</a>
Benzo(g,h,i)perylene	ND		0.00600	1	12/11/2020 14:43	<a href="#">WG1590154</a>
Benzo(k)fluoranthene	ND		0.00600	1	12/11/2020 14:43	<a href="#">WG1590154</a>
Chrysene	ND		0.00600	1	12/11/2020 14:43	<a href="#">WG1590154</a>
Dibenz(a,h)anthracene	ND		0.00600	1	12/11/2020 14:43	<a href="#">WG1590154</a>
Fluoranthene	ND		0.00600	1	12/11/2020 14:43	<a href="#">WG1590154</a>
Fluorene	ND		0.00600	1	12/11/2020 14:43	<a href="#">WG1590154</a>
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	12/11/2020 14:43	<a href="#">WG1590154</a>
Naphthalene	ND		0.0200	1	12/11/2020 14:43	<a href="#">WG1590154</a>
Phenanthrene	ND		0.00600	1	12/11/2020 14:43	<a href="#">WG1590154</a>
Pyrene	ND		0.00600	1	12/11/2020 14:43	<a href="#">WG1590154</a>
1-Methylnaphthalene	ND		0.0200	1	12/11/2020 14:43	<a href="#">WG1590154</a>
2-Methylnaphthalene	ND		0.0200	1	12/11/2020 14:43	<a href="#">WG1590154</a>
2-Chloronaphthalene	ND		0.0200	1	12/11/2020 14:43	<a href="#">WG1590154</a>
(S) p-Terphenyl-d14	89.0		23.0-120		12/11/2020 14:43	<a href="#">WG1590154</a>
(S) Nitrobenzene-d5	87.6		14.0-149		12/11/2020 14:43	<a href="#">WG1590154</a>
(S) 2-Fluorobiphenyl	80.6		34.0-125		12/11/2020 14:43	<a href="#">WG1590154</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3603393-1 12/15/20 00:23

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chromium,Hexavalent	U		0.640	2.00

<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

L1292781-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1292781-23 12/15/20 00:24 • (DUP) R3603393-3 12/15/20 00:24

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chromium,Hexavalent	ND	ND	1	0.000		20

L1292902-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1292902-06 12/15/20 00:32 • (DUP) R3603393-8 12/15/20 00:32

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chromium,Hexavalent	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3603393-2 12/15/20 00:23

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chromium,Hexavalent	24.0	22.0	91.8	80.0-120	

L1292781-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1292781-25 12/15/20 00:24 • (MS) R3603393-4 12/15/20 00:24 • (MSD) R3603393-5 12/15/20 00:25

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chromium,Hexavalent	20.0	ND	17.9	16.6	89.7	82.8	1	75.0-125			8.02	20

L1292781-25 Original Sample (OS) • Matrix Spike (MS)

(OS) L1292781-25 12/15/20 00:24 • (MS) R3603393-6 12/15/20 00:25

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Chromium,Hexavalent	644	ND	616	95.7	50	75.0-125	



L1292588-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1292588-01 12/13/20 01:46 • (DUP) R3602875-2 12/13/20 01:46

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.28	8.26	1	0.242		1

Sample Narrative:  
OS: 8.28 at 20C  
DUP: 8.26 at 19.9C

<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

L1292853-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1292853-02 12/13/20 01:46 • (DUP) R3602875-3 12/13/20 01:46

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.37	7.39	1	0.271		1

Sample Narrative:  
OS: 7.37 at 19.2C  
DUP: 7.39 at 19.2C

Laboratory Control Sample (LCS)

(LCS) R3602875-1 12/13/20 01:46

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	su	su	%	%	
pH	10.0	10.1	101	99.0-101	

Sample Narrative:  
LCS: 10.06 at 18.4C

L1292805-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1292805-01 12/12/20 21:15 • (DUP) R3602855-2 12/12/20 21:15

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.01	7.05	1	0.569		1

Sample Narrative:  
OS: 7.01 at 22.4C  
DUP: 7.05 at 22.2C

<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

L1293417-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1293417-02 12/12/20 21:15 • (DUP) R3602855-3 12/12/20 21:15

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.43	8.42	1	0.119		1

Sample Narrative:  
OS: 8.43 at 22.3C  
DUP: 8.42 at 22.1C

Laboratory Control Sample (LCS)

(LCS) R3602855-1 12/12/20 21:15

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	su	su	%	%	
pH	10.0	10.1	101	99.0-101	

Sample Narrative:  
LCS: 10.06 at 20.1C

Method Blank (MB)

(MB) R3600663-1 12/05/20 15:00				
Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	umhos/cm		umhos/cm	umhos/cm
Specific Conductance	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

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L1292236-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1292236-01 12/05/20 15:00 • (DUP) R3600663-3 12/05/20 15:00						
Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	umhos/cm	umhos/cm		%		%
Specific Conductance	1860	1860	1	0.162		20

L1292639-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1292639-01 12/05/20 15:00 • (DUP) R3600663-4 12/05/20 15:00						
Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	umhos/cm	umhos/cm		%		%
Specific Conductance	35.3	30.8	1	13.6		20

Laboratory Control Sample (LCS)

(LCS) R3600663-2 12/05/20 15:00					
Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	umhos/cm	umhos/cm	%	%	
Specific Conductance	483	481	99.6	85.0-115	



Method Blank (MB)

(MB) R3602807-1 12/12/20 07:54

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R3602807-2 12/12/20 07:57

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.500	100	80.0-120	

L1292812-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1292812-01 12/12/20 08:00 • (MS) R3602807-3 12/12/20 08:02 • (MSD) R3602807-4 12/12/20 08:05

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.500	ND	0.497	0.478	99.4	95.5	1	75.0-125			3.97	20

L1292840-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1292840-15 12/12/20 08:07 • (MS) R3602807-5 12/12/20 08:10 • (MSD) R3602807-6 12/12/20 08:12

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.500	ND	0.528	0.488	106	97.5	1	75.0-125			7.86	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3602557-1 12/11/20 09:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Zinc	U		0.832	5.00

<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

Laboratory Control Sample (LCS)

(LCS) R3602557-2 12/11/20 10:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	86.9	86.9	80.0-120	
Barium	100	91.9	91.9	80.0-120	
Cadmium	100	88.4	88.4	80.0-120	
Chromium	100	92.1	92.1	80.0-120	
Copper	100	93.4	93.4	80.0-120	
Lead	100	89.3	89.3	80.0-120	
Nickel	100	91.1	91.1	80.0-120	
Selenium	100	87.9	87.9	80.0-120	
Silver	20.0	17.8	89.0	80.0-120	
Zinc	100	89.0	89.0	80.0-120	

L1292812-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1292812-01 12/11/20 10:02 • (MS) R3602557-5 12/11/20 10:10 • (MSD) R3602557-6 12/11/20 10:12

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	ND	89.6	89.2	88.7	88.2	1	75.0-125			0.510	20
Barium	100	47.1	155	141	108	93.5	1	75.0-125			9.53	20
Cadmium	100	ND	90.3	89.8	90.2	89.7	1	75.0-125			0.577	20
Chromium	100	3.80	98.2	96.0	94.4	92.2	1	75.0-125			2.23	20
Copper	100	2.29	98.9	95.9	96.6	93.6	1	75.0-125			3.15	20
Lead	100	3.05	95.1	94.4	92.1	91.3	1	75.0-125			0.800	20
Nickel	100	3.42	98.7	97.3	95.3	93.9	1	75.0-125			1.43	20



L1292812-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1292812-01 12/11/20 10:02 • (MS) R3602557-5 12/11/20 10:10 • (MSD) R3602557-6 12/11/20 10:12

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Selenium	100	ND	89.6	88.5	89.6	88.5	1	75.0-125			1.33	20
Silver	20.0	ND	18.0	17.7	90.2	88.6	1	75.0-125			1.89	20
Zinc	100	10.5	103	98.6	92.2	88.1	1	75.0-125			3.99	20

<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) R3601687-3 12/08/20 21:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	U		0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	111			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	102			72.0-128

1  
Cp

2  
Tc

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Ss

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Cn

5  
Sr

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Qc

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Gl

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Al

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Sc

Laboratory Control Sample (LCS)

(LCS) R3601687-1 12/08/20 19:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.76	105	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			105	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			108	72.0-128	

Laboratory Control Sample (LCS)

(LCS) R3601687-2 12/08/20 20:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0487	97.4	76.0-121	
Toluene	0.0500	0.0468	93.6	80.0-120	
Ethylbenzene	0.0500	0.0453	90.6	80.0-124	
Total Xylene	0.150	0.155	103	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			113	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			101	72.0-128	



L1292941-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1292941-07 12/09/20 05:02 • (MS) R3601687-4 12/09/20 06:25 • (MSD) R3601687-5 12/09/20 06:46

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Benzene	1.72	ND	1.34	1.82	77.9	106	34.3	10.0-155			30.4	32
Toluene	1.72	ND	1.35	1.84	78.5	107	34.3	10.0-160			30.7	34
Ethylbenzene	1.72	ND	1.40	1.91	81.4	111	34.3	10.0-160			30.8	32
Total Xylene	5.15	ND	4.43	6.04	86.0	117	34.3	10.0-160			30.8	32
(S) a,a,a-Trifluorotoluene(FID)					111	113		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					102	101		72.0-128				

L1292941-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1292941-07 12/09/20 05:02 • (MS) R3601687-6 12/09/20 07:07 • (MSD) R3601687-7 12/09/20 07:28

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	189	ND	179	178	94.7	94.2	34.3	10.0-151			0.560	28
(S) a,a,a-Trifluorotoluene(FID)					104	105		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					109	109		72.0-128				

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc





Method Blank (MB)

(MB) R3602526-1 12/11/20 08:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) High Fraction	U		0.769	4.00
(S) o-Terphenyl	70.4			18.0-148

<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

Laboratory Control Sample (LCS)

(LCS) R3602526-2 12/11/20 08:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	50.0	41.8	83.6	50.0-150	
(S) o-Terphenyl			94.3	18.0-148	

L1292853-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1292853-01 12/11/20 13:18 • (MS) R3602526-3 12/11/20 13:30 • (MSD) R3602526-4 12/11/20 13:43

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	50.0	22.4	64.4	58.1	84.0	71.4	1	50.0-150			10.3	20
(S) o-Terphenyl					60.7	48.3		18.0-148				

Method Blank (MB)

(MB) R3602718-2 12/11/20 11:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) Nitrobenzene-d5	82.3			14.0-149
(S) 2-Fluorobiphenyl	82.0			34.0-125
(S) p-Terphenyl-d14	98.7			23.0-120

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3602718-1 12/11/20 10:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0656	82.0	50.0-126	
Acenaphthene	0.0800	0.0680	85.0	50.0-120	
Acenaphthylene	0.0800	0.0722	90.3	50.0-120	
Benzo(a)anthracene	0.0800	0.0702	87.8	45.0-120	
Benzo(a)pyrene	0.0800	0.0560	70.0	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0680	85.0	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0663	82.9	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0663	82.9	49.0-125	
Chrysene	0.0800	0.0701	87.6	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0699	87.4	47.0-125	
Fluoranthene	0.0800	0.0682	85.3	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3602718-1 12/11/20 10:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0717	89.6	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0682	85.3	46.0-125	
Naphthalene	0.0800	0.0689	86.1	50.0-120	
Phenanthrene	0.0800	0.0694	86.8	47.0-120	
Pyrene	0.0800	0.0711	88.9	43.0-123	
1-Methylnaphthalene	0.0800	0.0702	87.8	51.0-121	
2-Methylnaphthalene	0.0800	0.0667	83.4	50.0-120	
2-Chloronaphthalene	0.0800	0.0679	84.9	50.0-120	
(S) Nitrobenzene-d5			91.5	14.0-149	
(S) 2-Fluorobiphenyl			89.7	34.0-125	
(S) p-Terphenyl-d14			107	23.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1292797-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1292797-01 12/11/20 11:27 • (MS) R3602718-3 12/11/20 11:47 • (MSD) R3602718-4 12/11/20 12:06

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0800	ND	0.0629	0.0644	78.6	80.5	1	10.0-145			2.36	30
Acenaphthene	0.0800	ND	0.0643	0.0645	80.4	80.6	1	14.0-127			0.311	27
Acenaphthylene	0.0800	ND	0.0681	0.0690	85.1	86.3	1	21.0-124			1.31	25
Benzo(a)anthracene	0.0800	ND	0.0694	0.0695	86.8	86.9	1	10.0-139			0.144	30
Benzo(a)pyrene	0.0800	ND	0.0645	0.0630	80.6	78.8	1	10.0-141			2.35	31
Benzo(b)fluoranthene	0.0800	ND	0.0628	0.0634	78.5	79.3	1	10.0-140			0.951	36
Benzo(g,h,i)perylene	0.0800	ND	0.0629	0.0618	78.6	77.3	1	10.0-140			1.76	33
Benzo(k)fluoranthene	0.0800	ND	0.0620	0.0638	77.5	79.8	1	10.0-137			2.86	31
Chrysene	0.0800	ND	0.0668	0.0677	83.5	84.6	1	10.0-145			1.34	30
Dibenz(a,h)anthracene	0.0800	ND	0.0634	0.0646	79.3	80.7	1	10.0-132			1.87	31
Fluoranthene	0.0800	ND	0.0663	0.0665	82.9	83.1	1	10.0-153			0.301	33
Fluorene	0.0800	ND	0.0674	0.0686	84.3	85.8	1	11.0-130			1.76	29
Indeno(1,2,3-cd)pyrene	0.0800	ND	0.0661	0.0653	82.6	81.6	1	10.0-137			1.22	32
Naphthalene	0.0800	ND	0.0774	0.0659	96.8	82.4	1	10.0-135			16.1	27
Phenanthrene	0.0800	ND	0.0671	0.0663	83.9	82.9	1	10.0-144			1.20	31
Pyrene	0.0800	ND	0.0664	0.0686	83.0	85.8	1	10.0-148			3.26	35
1-Methylnaphthalene	0.0800	ND	0.0696	0.0668	87.0	83.5	1	10.0-142			4.11	28
2-Methylnaphthalene	0.0800	ND	0.0683	0.0634	85.4	79.3	1	10.0-137			7.44	28
2-Chloronaphthalene	0.0800	ND	0.0645	0.0642	80.6	80.3	1	29.0-120			0.466	24
(S) Nitrobenzene-d5					85.7	89.0		14.0-149				
(S) 2-Fluorobiphenyl					84.3	86.6		34.0-125				
(S) p-Terphenyl-d14					97.5	102		23.0-120				



## 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

T8	Sample(s) received past/too close to holding time expiration.
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1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

\* 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 National.

## State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico <sup>1</sup>	n/a
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>	90010	South Carolina	84004
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1 4</sup>	2006
Louisiana <sup>1</sup>	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

## Third Party Federal Accreditations

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

## Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Company Name/Address: <b>Entrada Consulting Group</b> <b>330 Grand Avenue, Suite C</b> <b>Grand Junction, CO 81501</b>						Billing Information:  						Analysis / Container / Preservative 						Chain of Custody Page <u>1</u> of <u>1</u>  <b>L.A.B S.C.I.E.N.C.E.S</b> <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>L1292853</u> <div style="background-color: black; color: white; padding: 5px; text-align: center; font-weight: bold;">F089</div> <hr/> Acctnum: Template: Prelogin: TSR: Cooler: Shipped Via: <div style="display: flex; justify-content: space-between;"><div>Rem./Contaminant</div><div>Sample # (lab only)</div></div>			
Report to:						Email To:															
Project Description: Pad 11						City/State Collected: Collbran CO															
Phone: 970-712-7329			Client Project #			Lab Project #															
Fax:			Site/Facility ID #			P.O. #															
Collected by (print): R. Soliman			Date Results Needed																		
Collected by (signature): [Signature]			<b>Rush? (Lab MUST Be Notified)</b> <input type="checkbox"/> Same Day .....200% <input type="checkbox"/> Next Day .....100% <input type="checkbox"/> Two Day .....50% <input type="checkbox"/> Three Day .....25%			Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			No. of Cntrs												
Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>																					
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX	TPH DRO/GRO	PAH	SAR, Specific Conductivity, pH	RCRA8 Metals + Cu, Ni,	Cr3, Cr6	Arsenic								
P11-SS1	Grb	SS	0-6"	12/3/20	0950	3	X	X	X	X	X	X	X		-01						
P11-SS2					1015	3	X	X	X	X	X	X	X		02						
P11-SS3					1050	3	X	X	X	X	X	X	X		03						
P11-SS4					1125	3	X	X	X	X	X	X	X		04						
P11-SS5					1155	3	X	X	X	X	X	X	X		05						
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <b>Sample Receipt Checklist</b>            COC Seal Present/Intact: <u>Y</u> <u>N</u> If Applicable            COC Signed/Accurate: <u>Y</u> <u>N</u> VOA Zero Headspace: <u>Y</u> <u>N</u>            Bottles arrive intact: <u>Y</u> <u>N</u> Pres. Correct/Check: <u>Y</u> <u>N</u>            Correct bottles used: <u>Y</u> <u>N</u>            Sufficient volume sent: <u>Y</u> <u>N</u>            RAD Screen &lt;0.5 mR/hr: <u>Y</u> <u>N</u> </div>																					
* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____																					
Remarks:						pH _____ Temp _____ Flow _____ Other _____						Hold #									
						1676 27505457															
Relinquished by : (Signature) [Signature]				Date: 12/3/20		Time: 1630		Received by: (Signature) [Signature]				Samples returned via: <input type="checkbox"/> UPS				Condition: (lab use only) <div style="text-align: center;">OK</div>					
Relinquished by : (Signature) [Signature]				Date: 12/3/20		Time: 1730		Received by: (Signature) [Signature]				Temp: REC Bottles Received: 16-1.5 15									
Relinquished by : (Signature) [Signature]				Date:		Time:		Received for lab by: (Signature) [Signature]				Date: Time: 120420 0930									
COC Seal Intact: <u>Y</u> <u>N</u> <input checked="" type="checkbox"/> NA																					
pH Checked: NCF:																					