

April 28, 2020

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Entrada Consulting Group

Sample Delivery Group: L1210527
Samples Received: 04/11/2020
Project Number:
Description: Logan Trail 28-10 OFF Loading Facility

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.



LT 28-10-SS1 L1210527-01 Solid

Collected by Jason
Collected date/time 04/10/20 11:00
Received date/time 04/11/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1464000	1	04/23/20 09:44	04/23/20 09:44	TRB	Mt. Juliet, TN
Calculated Results	WG1465604	1	04/24/20 06:51	04/24/20 16:50	TRB	Mt. Juliet, TN
Wet Chemistry by Method 3060A/7196A	WG1463555	1	04/21/20 17:29	04/23/20 17:55	JIC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1465147	1	04/24/20 12:00	04/24/20 14:57	DCI	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1466983	1	04/27/20 15:00	04/27/20 18:00	CAT	Mt. Juliet, TN
Mercury by Method 7471A	WG1465641	1	04/24/20 08:18	04/26/20 18:35	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1465604	1	04/24/20 06:51	04/24/20 16:50	TRB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1463909	1	04/14/20 12:59	04/21/20 16:23	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1465498	1	04/23/20 20:45	04/24/20 13:21	FM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1465572	1	04/24/20 02:07	04/24/20 09:09	AAT	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

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⁸Al

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LT 28-10-SS2 L1210527-02 Solid

Collected by Jason
Collected date/time 04/10/20 11:15
Received date/time 04/11/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1464000	1	04/23/20 09:46	04/23/20 09:46	TRB	Mt. Juliet, TN
Calculated Results	WG1465604	1	04/24/20 06:51	04/24/20 16:53	TRB	Mt. Juliet, TN
Wet Chemistry by Method 3060A/7196A	WG1463555	1	04/21/20 17:29	04/23/20 18:19	JIC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1465147	1	04/24/20 12:00	04/24/20 14:57	DCI	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1466983	1	04/27/20 15:00	04/27/20 18:00	CAT	Mt. Juliet, TN
Mercury by Method 7471A	WG1465641	1	04/24/20 08:18	04/26/20 18:37	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1465604	1	04/24/20 06:51	04/24/20 16:53	TRB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1465477	1	04/23/20 18:02	04/24/20 09:09	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1465498	1	04/23/20 20:45	04/24/20 14:56	FM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1465572	1	04/24/20 02:07	04/24/20 09:29	AAT	Mt. Juliet, TN

LT 28-10-SS3 L1210527-03 Solid

Collected by Jason
Collected date/time 04/10/20 11:30
Received date/time 04/11/20 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1464000	1	04/23/20 09:49	04/23/20 09:49	TRB	Mt. Juliet, TN
Calculated Results	WG1465604	1	04/24/20 06:51	04/24/20 16:56	TRB	Mt. Juliet, TN
Wet Chemistry by Method 3060A/7196A	WG1463555	1	04/21/20 17:29	04/23/20 18:19	JIC	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1465147	1	04/24/20 12:00	04/24/20 14:57	DCI	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1466983	1	04/27/20 15:00	04/27/20 18:00	CAT	Mt. Juliet, TN
Mercury by Method 7471A	WG1465641	1	04/24/20 08:18	04/26/20 18:40	TCT	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1465604	1	04/24/20 06:51	04/24/20 16:56	TRB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1463909	1	04/14/20 12:59	04/21/20 17:04	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1465498	1	04/23/20 20:45	04/24/20 15:12	FM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1465572	1	04/24/20 02:07	04/24/20 09:50	AAT	Mt. Juliet, TN

ACCOUNT:

Entrada Consulting Group

PROJECT:

SDG:

L1210527

DATE/TIME:

04/28/20 11:30

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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

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	7.07		1	04/23/2020 09:44	WG1464000

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Calculated Results

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Chromium, Trivalent	15.3		1.00	1	04/24/2020 16:50	WG1465604

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	04/23/2020 17:55	WG1463555

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.24	T8	1	04/24/2020 14:57	WG1465147

Sample Narrative:

L1210527-01 WG1465147: 8.24 at 21.3C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	1580		10.0	1	04/27/2020 18:00	WG1466983

Mercury by Method 7471A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0400	1	04/26/2020 18:35	WG1465641

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.00		2.00	1	04/24/2020 16:50	WG1465604
Barium	283		0.500	1	04/24/2020 16:50	WG1465604
Cadmium	ND		0.500	1	04/24/2020 16:50	WG1465604
Chromium	15.3		1.00	1	04/24/2020 16:50	WG1465604
Copper	15.3		2.00	1	04/24/2020 16:50	WG1465604
Lead	10.1		0.500	1	04/24/2020 16:50	WG1465604
Nickel	14.9		2.00	1	04/24/2020 16:50	WG1465604
Selenium	ND		2.00	1	04/24/2020 16:50	WG1465604
Silver	ND		1.00	1	04/24/2020 16:50	WG1465604
Zinc	49.0		5.00	1	04/24/2020 16:50	WG1465604

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.245		0.100	1	04/21/2020 16:23	WG1463909
(S) a,a,a-Trifluorotoluene(FID)	93.5		77.0-120		04/21/2020 16:23	WG1463909



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	ND		4.00	1	04/24/2020 13:21	WG1465498
(S) o-Terphenyl	70.1		18.0-148		04/24/2020 13:21	WG1465498

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
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	04/24/2020 09:09	WG1465572
Acenaphthene	ND		0.00600	1	04/24/2020 09:09	WG1465572
Acenaphthylene	ND		0.00600	1	04/24/2020 09:09	WG1465572
Benzo(a)anthracene	ND		0.00600	1	04/24/2020 09:09	WG1465572
Benzo(a)pyrene	ND		0.00600	1	04/24/2020 09:09	WG1465572
Benzo(b)fluoranthene	ND		0.00600	1	04/24/2020 09:09	WG1465572
Benzo(g,h,i)perylene	ND		0.00600	1	04/24/2020 09:09	WG1465572
Benzo(k)fluoranthene	ND		0.00600	1	04/24/2020 09:09	WG1465572
Chrysene	ND		0.00600	1	04/24/2020 09:09	WG1465572
Dibenz(a,h)anthracene	ND		0.00600	1	04/24/2020 09:09	WG1465572
Fluoranthene	ND		0.00600	1	04/24/2020 09:09	WG1465572
Fluorene	ND		0.00600	1	04/24/2020 09:09	WG1465572
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	04/24/2020 09:09	WG1465572
Naphthalene	ND		0.0200	1	04/24/2020 09:09	WG1465572
Phenanthrene	ND		0.00600	1	04/24/2020 09:09	WG1465572
Pyrene	ND		0.00600	1	04/24/2020 09:09	WG1465572
1-Methylnaphthalene	ND		0.0200	1	04/24/2020 09:09	WG1465572
2-Methylnaphthalene	ND		0.0200	1	04/24/2020 09:09	WG1465572
2-Chloronaphthalene	ND		0.0200	1	04/24/2020 09:09	WG1465572
(S) p-Terphenyl-d14	67.3		23.0-120		04/24/2020 09:09	WG1465572
(S) Nitrobenzene-d5	51.7		14.0-149		04/24/2020 09:09	WG1465572
(S) 2-Fluorobiphenyl	64.4		34.0-125		04/24/2020 09:09	WG1465572



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	15.9		1	04/23/2020 09:46	WG1464000

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	16.6		1.00	1	04/24/2020 16:53	WG1465604

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	04/23/2020 18:19	WG1463555

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.25	T8	1	04/24/2020 14:57	WG1465147

Sample Narrative:

L1210527-02 WG1465147: 8.25 at 21.2C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	2330		10.0	1	04/27/2020 18:00	WG1466983

Mercury by Method 7471A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0400	1	04/26/2020 18:37	WG1465641

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.36		2.00	1	04/24/2020 16:53	WG1465604
Barium	283		0.500	1	04/24/2020 16:53	WG1465604
Cadmium	ND		0.500	1	04/24/2020 16:53	WG1465604
Chromium	16.6		1.00	1	04/24/2020 16:53	WG1465604
Copper	15.3		2.00	1	04/24/2020 16:53	WG1465604
Lead	10.0		0.500	1	04/24/2020 16:53	WG1465604
Nickel	15.5		2.00	1	04/24/2020 16:53	WG1465604
Selenium	ND		2.00	1	04/24/2020 16:53	WG1465604
Silver	ND		1.00	1	04/24/2020 16:53	WG1465604
Zinc	48.9		5.00	1	04/24/2020 16:53	WG1465604

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.689		0.100	1	04/24/2020 09:09	WG1465477
(S) a,a,a-Trifluorotoluene(FID)	89.2		77.0-120		04/24/2020 09:09	WG1465477



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	4.30		4.00	1	04/24/2020 14:56	WG1465498
(S) o-Terphenyl	63.6		18.0-148		04/24/2020 14:56	WG1465498

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
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	04/24/2020 09:29	WG1465572
Acenaphthene	ND		0.00600	1	04/24/2020 09:29	WG1465572
Acenaphthylene	ND		0.00600	1	04/24/2020 09:29	WG1465572
Benzo(a)anthracene	ND		0.00600	1	04/24/2020 09:29	WG1465572
Benzo(a)pyrene	ND		0.00600	1	04/24/2020 09:29	WG1465572
Benzo(b)fluoranthene	ND		0.00600	1	04/24/2020 09:29	WG1465572
Benzo(g,h,i)perylene	ND		0.00600	1	04/24/2020 09:29	WG1465572
Benzo(k)fluoranthene	ND		0.00600	1	04/24/2020 09:29	WG1465572
Chrysene	ND		0.00600	1	04/24/2020 09:29	WG1465572
Dibenz(a,h)anthracene	ND		0.00600	1	04/24/2020 09:29	WG1465572
Fluoranthene	ND		0.00600	1	04/24/2020 09:29	WG1465572
Fluorene	ND		0.00600	1	04/24/2020 09:29	WG1465572
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	04/24/2020 09:29	WG1465572
Naphthalene	ND		0.0200	1	04/24/2020 09:29	WG1465572
Phenanthrene	ND		0.00600	1	04/24/2020 09:29	WG1465572
Pyrene	ND		0.00600	1	04/24/2020 09:29	WG1465572
1-Methylnaphthalene	ND		0.0200	1	04/24/2020 09:29	WG1465572
2-Methylnaphthalene	ND		0.0200	1	04/24/2020 09:29	WG1465572
2-Chloronaphthalene	ND		0.0200	1	04/24/2020 09:29	WG1465572
(S) p-Terphenyl-d14	78.0		23.0-120		04/24/2020 09:29	WG1465572
(S) Nitrobenzene-d5	56.7		14.0-149		04/24/2020 09:29	WG1465572
(S) 2-Fluorobiphenyl	70.3		34.0-125		04/24/2020 09:29	WG1465572



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	6.84		1	04/23/2020 09:49	WG1464000

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	16.2		1.00	1	04/24/2020 16:56	WG1465604

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	04/23/2020 18:19	WG1463555

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.02	T8	1	04/24/2020 14:57	WG1465147

Sample Narrative:

L1210527-03 WG1465147: 8.02 at 21.5C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	2220		10.0	1	04/27/2020 18:00	WG1466983

Mercury by Method 7471A

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0400	1	04/26/2020 18:40	WG1465641

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	11.1		2.00	1	04/24/2020 16:56	WG1465604
Barium	316		0.500	1	04/24/2020 16:56	WG1465604
Cadmium	ND		0.500	1	04/24/2020 16:56	WG1465604
Chromium	16.2		1.00	1	04/24/2020 16:56	WG1465604
Copper	15.6		2.00	1	04/24/2020 16:56	WG1465604
Lead	9.82		0.500	1	04/24/2020 16:56	WG1465604
Nickel	15.7		2.00	1	04/24/2020 16:56	WG1465604
Selenium	ND		2.00	1	04/24/2020 16:56	WG1465604
Silver	ND		1.00	1	04/24/2020 16:56	WG1465604
Zinc	50.7		5.00	1	04/24/2020 16:56	WG1465604

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.123		0.100	1	04/21/2020 17:04	WG1463909
(S) a, a, a-Trifluorotoluene(FID)	90.8		77.0-120		04/21/2020 17:04	WG1463909



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	8.10		4.00	1	04/24/2020 15:12	WG1465498
(S) o-Terphenyl	62.1		18.0-148		04/24/2020 15:12	WG1465498

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	04/24/2020 09:50	WG1465572
Acenaphthene	ND		0.00600	1	04/24/2020 09:50	WG1465572
Acenaphthylene	ND		0.00600	1	04/24/2020 09:50	WG1465572
Benzo(a)anthracene	ND		0.00600	1	04/24/2020 09:50	WG1465572
Benzo(a)pyrene	ND		0.00600	1	04/24/2020 09:50	WG1465572
Benzo(b)fluoranthene	ND		0.00600	1	04/24/2020 09:50	WG1465572
Benzo(g,h,i)perylene	ND		0.00600	1	04/24/2020 09:50	WG1465572
Benzo(k)fluoranthene	ND		0.00600	1	04/24/2020 09:50	WG1465572
Chrysene	ND		0.00600	1	04/24/2020 09:50	WG1465572
Dibenz(a,h)anthracene	ND		0.00600	1	04/24/2020 09:50	WG1465572
Fluoranthene	ND		0.00600	1	04/24/2020 09:50	WG1465572
Fluorene	ND		0.00600	1	04/24/2020 09:50	WG1465572
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	04/24/2020 09:50	WG1465572
Naphthalene	ND		0.0200	1	04/24/2020 09:50	WG1465572
Phenanthrene	ND		0.00600	1	04/24/2020 09:50	WG1465572
Pyrene	ND		0.00600	1	04/24/2020 09:50	WG1465572
1-Methylnaphthalene	ND		0.0200	1	04/24/2020 09:50	WG1465572
2-Methylnaphthalene	ND		0.0200	1	04/24/2020 09:50	WG1465572
2-Chloronaphthalene	ND		0.0200	1	04/24/2020 09:50	WG1465572
(S) p-Terphenyl-d14	71.7		23.0-120		04/24/2020 09:50	WG1465572
(S) Nitrobenzene-d5	53.3		14.0-149		04/24/2020 09:50	WG1465572
(S) 2-Fluorobiphenyl	64.8		34.0-125		04/24/2020 09:50	WG1465572

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3521371-1 04/23/20 17:40

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1209918-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1209918-04 04/23/20 17:49 • (DUP) R3521371-7 04/23/20 17:51

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chromium,Hexavalent	U	0.000	1	0.000		20

L1210527-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1210527-03 04/23/20 18:19 • (DUP) R3521371-8 04/23/20 18:19

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

Laboratory Control Sample (LCS)

(LCS) R3521371-2 04/23/20 17:41

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chromium,Hexavalent	24.0	21.7	90.5	80.0-120	

L1209918-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1209918-03 04/23/20 17:44 • (MS) R3521371-3 04/23/20 17:44 • (MSD) R3521371-4 04/23/20 17:46

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	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	23.5	U	18.9	18.9	80.5	80.3	1	75.0-125			0.248	20



L1209918-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1209918-03 04/23/20 17:44 • (MS) R3521371-5 04/23/20 17:47

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Chromium,Hexavalent	748	U	596	79.7	50	75.0-125	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



L1210742-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1210742-24 04/24/20 14:57 • (DUP) R3521676-3 04/24/20 14:57

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	4.84	4.86	1	0.412		1

Sample Narrative:

OS: 4.84 at 21.4C

DUP: 4.86 at 21.5C

Laboratory Control Sample (LCS)

(LCS) R3521676-1 04/24/20 14:57

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	su	su	%	%	
pH	10.0	9.97	99.7	99.0-101	

Sample Narrative:

LCS: 9.97 at 20C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3522400-1 04/27/20 18:00

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	umhos/cm		umhos/cm	umhos/cm
Specific Conductance	U		10.0	10.0

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

L1211709-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1211709-05 04/27/20 18:00 • (DUP) R3522400-3 04/27/20 18:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	umhos/cm	umhos/cm		%		%
Specific Conductance	1370	1420	1	3.52		20

L1211713-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1211713-02 04/27/20 18:00 • (DUP) R3522400-4 04/27/20 18:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	umhos/cm	umhos/cm		%		%
Specific Conductance	208	210	1	1.15		20

Laboratory Control Sample (LCS)

(LCS) R3522400-2 04/27/20 18:00

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	umhos/cm	umhos/cm	%	%	
Specific Conductance	445	444	99.8	85.0-115	



Method Blank (MB)

(MB) R3522040-1 04/26/20 18:14

	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) R3522040-4 04/26/20 19:27

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.495	99.0	80.0-120	

L1210717-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1210717-01 04/26/20 18:18 • (MS) R3522040-2 04/26/20 18:21 • (MSD) R3522040-3 04/26/20 18:28

	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	0.235	0.837	0.848	120	123	1	75.0-125			1.38	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3521780-1 04/24/20 16:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.460	2.00
Barium	U		0.240	0.500
Cadmium	U		0.0810	0.500
Chromium	U		0.250	1.00
Copper	U		0.506	2.00
Lead	U		0.208	0.500
Nickel	U		0.490	2.00
Selenium	U		0.617	2.00
Silver	U		0.228	1.00
Zinc	U		0.939	5.00

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3521780-2 04/24/20 16:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	97.4	97.4	80.0-120	
Barium	100	104	104	80.0-120	
Cadmium	100	98.8	98.8	80.0-120	
Chromium	100	99.5	99.5	80.0-120	
Copper	100	102	102	80.0-120	
Lead	100	99.6	99.6	80.0-120	
Nickel	100	102	102	80.0-120	
Selenium	100	97.9	97.9	80.0-120	
Silver	20.0	18.2	90.9	80.0-120	
Zinc	100	99.4	99.4	80.0-120	

L1210846-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1210846-01 04/24/20 16:38 • (MS) R3521780-5 04/24/20 16:45 • (MSD) R3521780-6 04/24/20 16:48

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	3.38	97.3	98.2	93.9	94.9	1	75.0-125			1.00	20
Barium	100	94.5	194	189	99.7	94.6	1	75.0-125			2.66	20
Cadmium	100	ND	97.7	99.0	97.4	98.7	1	75.0-125			1.36	20
Chromium	100	16.2	113	115	97.1	98.9	1	75.0-125			1.56	20
Copper	100	16.1	116	115	100	99.2	1	75.0-125			0.654	20
Lead	100	108	212	230	104	122	1	75.0-125			8.03	20
Nickel	100	16.1	117	118	101	102	1	75.0-125			0.932	20



L1210846-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1210846-01 04/24/20 16:38 • (MS) R3521780-5 04/24/20 16:45 • (MSD) R3521780-6 04/24/20 16:48

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	94.8	96.1	94.8	96.1	1	75.0-125			1.44	20
Silver	20.0	ND	17.8	18.3	89.2	91.7	1	75.0-125			2.77	20
Zinc	100	74.2	180	176	105	102	1	75.0-125			1.71	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3521359-1 04/21/20 12:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	97.3			77.0-120

Laboratory Control Sample (LCS)

(LCS) R3521359-2 04/21/20 12:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.59	102	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			113	77.0-120	

L1209832-35 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1209832-35 04/21/20 14:26 • (MS) R3521359-3 04/21/20 17:24 • (MSD) R3521359-4 04/21/20 17:45

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	128	U	107	109	81.4	82.9	25	10.0-151			1.74	28
(S) a,a,a-Trifluorotoluene(FID)					110	110		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3521617-5 04/24/20 03:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	93.0			77.0-120

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

(LCS) R3521617-3 04/24/20 01:33 • (LCSD) R3521617-4 04/24/20 01:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.72	5.96	104	108	72.0-127			4.11	20
(S) a,a,a-Trifluorotoluene(FID)				104	105	77.0-120				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc



Method Blank (MB)

(MB) R3521610-1 04/24/20 08:18

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	79.4			18.0-148

Laboratory Control Sample (LCS)

(LCS) R3521610-2 04/24/20 08:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	50.0	44.4	88.8	50.0-150	
(S) o-Terphenyl			97.7	18.0-148	

L1211561-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1211561-04 04/24/20 14:08 • (MS) R3521610-3 04/24/20 14:24 • (MSD) R3521610-4 04/24/20 14:40

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	53.1	ND	47.8	47.4	87.1	85.4	1	50.0-150			0.935	20
(S) o-Terphenyl					96.2	97.5		18.0-148				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3521579-2 04/24/20 06:44

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	78.1			14.0-149
(S) 2-Fluorobiphenyl	76.1			34.0-125
(S) p-Terphenyl-d14	84.7			23.0-120

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3521579-1 04/24/20 06:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0614	76.8	50.0-126	
Acenaphthene	0.0800	0.0609	76.1	50.0-120	
Acenaphthylene	0.0800	0.0691	86.4	50.0-120	
Benzo(a)anthracene	0.0800	0.0642	80.3	45.0-120	
Benzo(a)pyrene	0.0800	0.0568	71.0	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0569	71.1	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0573	71.6	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0628	78.5	49.0-125	
Chrysene	0.0800	0.0593	74.1	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0609	76.1	47.0-125	
Fluoranthene	0.0800	0.0588	73.5	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3521579-1 04/24/20 06:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0626	78.3	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0600	75.0	46.0-125	
Naphthalene	0.0800	0.0563	70.4	50.0-120	
Phenanthrene	0.0800	0.0581	72.6	47.0-120	
Pyrene	0.0800	0.0632	79.0	43.0-123	
1-Methylnaphthalene	0.0800	0.0608	76.0	51.0-121	
2-Methylnaphthalene	0.0800	0.0566	70.8	50.0-120	
2-Chloronaphthalene	0.0800	0.0615	76.9	50.0-120	
(S) Nitrobenzene-d5			81.3	14.0-149	
(S) 2-Fluorobiphenyl			79.6	34.0-125	
(S) p-Terphenyl-d14			87.1	23.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1210717-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1210717-04 04/24/20 10:52 • (MS) R3521579-3 04/24/20 11:12 • (MSD) R3521579-4 04/24/20 11:33

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	0.0533	0.0568	66.6	71.0	1	10.0-145			6.36	30
Acenaphthene	0.0800	ND	0.0504	0.0557	63.0	69.6	1	14.0-127			9.99	27
Acenaphthylene	0.0800	ND	0.0557	0.0604	69.6	75.5	1	21.0-124			8.10	25
Benzo(a)anthracene	0.0800	0.0112	0.0650	0.0607	67.3	61.9	1	10.0-139			6.84	30
Benzo(a)pyrene	0.0800	0.0155	0.0654	0.0570	62.4	51.9	1	10.0-141			13.7	31
Benzo(b)fluoranthene	0.0800	0.0272	0.0716	0.0578	55.5	38.3	1	10.0-140			21.3	36
Benzo(g,h,i)perylene	0.0800	0.0155	0.0590	0.0373	54.4	27.3	1	10.0-140		J3	45.1	33
Benzo(k)fluoranthene	0.0800	0.00726	0.0639	0.0599	70.8	65.8	1	10.0-137			6.46	31
Chrysene	0.0800	0.0184	0.0676	0.0577	61.5	49.1	1	10.0-145			15.8	30
Dibenz(a,h)anthracene	0.0800	ND	0.0492	0.0425	61.5	53.1	1	10.0-132			14.6	31
Fluoranthene	0.0800	0.0218	0.0665	0.0542	55.9	40.5	1	10.0-153			20.4	33
Fluorene	0.0800	ND	0.0498	0.0551	62.3	68.9	1	11.0-130			10.1	29
Indeno(1,2,3-cd)pyrene	0.0800	0.0129	0.0582	0.0411	56.6	35.3	1	10.0-137		J3	34.4	32
Naphthalene	0.0800	ND	0.0511	0.0600	63.9	75.0	1	10.0-135			16.0	27
Phenanthrene	0.0800	0.00756	0.0549	0.0552	59.2	59.5	1	10.0-144			0.545	31
Pyrene	0.0800	0.0254	0.0781	0.0664	65.9	51.3	1	10.0-148			16.2	35
1-Methylnaphthalene	0.0800	ND	0.0480	0.0565	60.0	70.6	1	10.0-142			16.3	28
2-Methylnaphthalene	0.0800	ND	0.0475	0.0538	59.4	67.3	1	10.0-137			12.4	28
2-Chloronaphthalene	0.0800	ND	0.0503	0.0571	62.9	71.4	1	29.0-120			12.7	24
(S) Nitrobenzene-d5					45.2	45.6		14.0-149				
(S) 2-Fluorobiphenyl					66.3	72.9		34.0-125				
(S) p-Terphenyl-d14					70.5	82.9		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

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
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

J3	The associated batch QC was outside the established quality control range for precision.
T8	Sample(s) received past/too close to holding time expiration.

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 ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	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

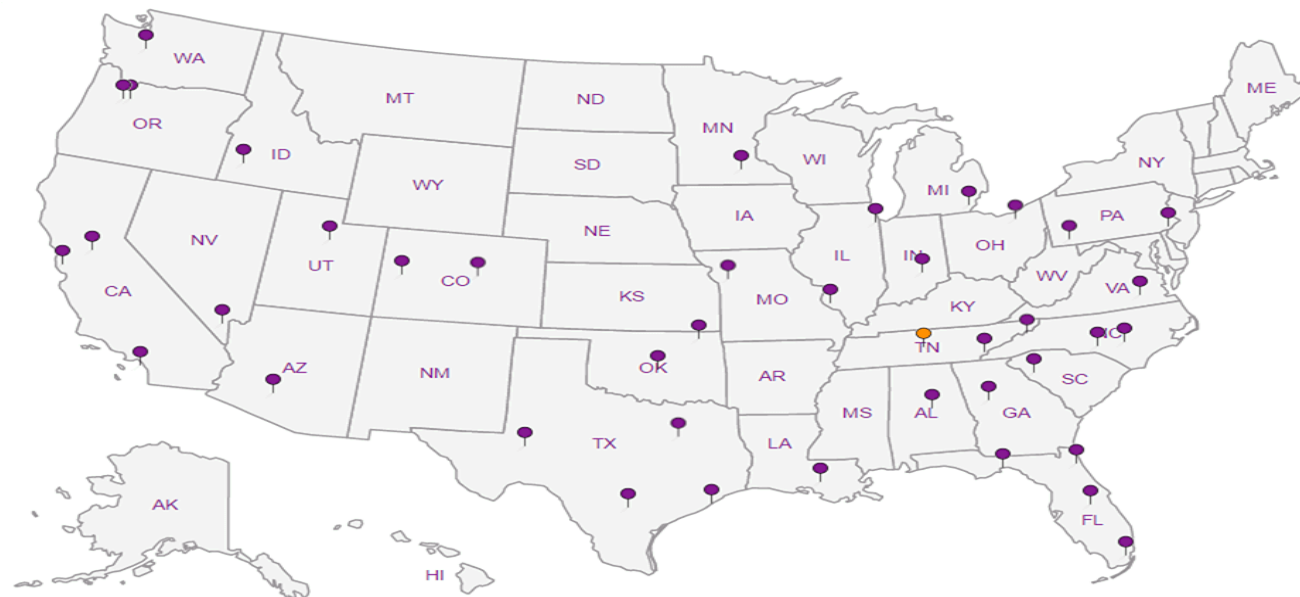
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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.



[illegible]

Andy Vann

From: Chris Ward
Sent: Monday, April 20, 2020 4:45 PM
To: Project Service
Cc: Sample Storage
Subject: L1208123 *ENTCONGICO* Relog R5

Please relog to a new SDG for TABLE910. Please take the BTEX out of this new SDG but keep GRO in.

Thanks,

Chris Ward

Project Manager

Pace Analytical National Center for Testing & Innovation

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615.773.9712

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