

October 27, 2021

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Terra Energy Partners

Sample Delivery Group: L1418643
Samples Received: 10/15/2021
Project Number: TEP-RIVER RANCH A
Description: Terra Energy Partners-River Ranch A-Riser Spill
Site: RISER SPILL-EXCAVATION
Report To: Mike Gardner
1058 County Road 215
Parachute, CO 81635

Entire Report Reviewed By:



Chris Ward
Project Manager

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Pace Analytical National

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SAMPLE SUMMARY

EXC - SP 1 L1418643-01 Solid

Collected by
Kris Rowe

Collected date/time
10/14/21 13:30

Received date/time
10/15/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1759169	1	10/22/21 11:08	10/22/21 11:08	CCE	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1762656	1	10/25/21 18:00	10/26/21 12:39	JER	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1764025	1	10/27/21 03:28	10/27/21 08:52	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1759894	1	10/20/21 12:55	10/20/21 17:46	AMH	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1759166	1	10/21/21 14:11	10/22/21 12:31	CCE	Mt. Juliet, TN

EXC - SP 2 L1418643-02 Solid

Collected by
Kris Rowe

Collected date/time
10/14/21 13:45

Received date/time
10/15/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1759169	1	10/22/21 11:10	10/22/21 11:10	CCE	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1762656	1	10/25/21 18:00	10/26/21 12:50	JER	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1761987	1	10/23/21 09:00	10/23/21 11:00	RAF	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1759894	1	10/20/21 12:55	10/20/21 17:46	AMH	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1759166	1	10/21/21 14:11	10/22/21 12:34	CCE	Mt. Juliet, TN

EXC - SP 3 L1418643-03 Solid

Collected by
Kris Rowe

Collected date/time
10/14/21 14:00

Received date/time
10/15/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1759169	1	10/22/21 11:13	10/22/21 11:13	CCE	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1762656	1	10/25/21 18:00	10/26/21 13:16	JER	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1761987	1	10/23/21 09:00	10/23/21 11:00	RAF	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1759894	1	10/20/21 12:55	10/20/21 17:46	AMH	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1759166	1	10/21/21 14:11	10/22/21 12:36	CCE	Mt. Juliet, TN

EXC - SP 4 L1418643-04 Solid

Collected by
Kris Rowe

Collected date/time
10/14/21 14:20

Received date/time
10/15/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1759169	1	10/22/21 11:16	10/22/21 11:16	CCE	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1762656	1	10/25/21 18:00	10/26/21 13:31	JER	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1761987	1	10/23/21 09:00	10/23/21 11:00	RAF	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1759894	1	10/20/21 12:55	10/20/21 17:46	AMH	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1759166	1	10/21/21 14:11	10/22/21 12:44	CCE	Mt. Juliet, TN

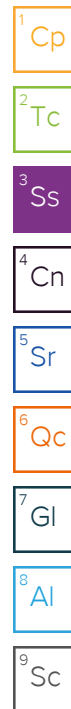
EXC - SP 5 L1418643-05 Solid

Collected by
Kris Rowe

Collected date/time
10/14/21 14:30

Received date/time
10/15/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1759169	1	10/22/21 11:18	10/22/21 11:18	CCE	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1762656	1	10/25/21 18:00	10/26/21 13:36	JER	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1761987	1	10/23/21 09:00	10/23/21 11:00	RAF	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1759894	1	10/20/21 12:55	10/20/21 17:46	AMH	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1759166	1	10/21/21 14:11	10/22/21 12:47	CCE	Mt. Juliet, TN



CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris Ward
Project Manager



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	10.9		1	10/22/2021 11:08	WG1759169

¹ Cp² Tc

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	10/26/2021 12:39	WG1762656

³ Ss⁴ Cn

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.34	T8	1	10/27/2021 08:52	WG1764025

⁵ Sr⁶ Qc

Sample Narrative:

L1418643-01 WG1764025: 8.34 at 19.8C

⁷ Gl⁸ Al

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	3610		10.0	1	10/20/2021 17:46	WG1759894

⁹ Sc

Sample Narrative:

L1418643-01 WG1759894: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.988		0.0167	0.200	1	10/22/2021 12:31	WG1759166

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	27.9		1	10/22/2021 11:10	WG1759169

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U	J3 J6 O1	0.255	1.00	1	10/26/2021 12:50	WG1762656

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.35	T8	1	10/23/2021 11:00	WG1761987

Sample Narrative:

L1418643-02 WG1761987: 8.35 at 19.8C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	8360		10.0	1	10/20/2021 17:46	WG1759894

Sample Narrative:

L1418643-02 WG1759894: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.930		0.0167	0.200	1	10/22/2021 12:34	WG1759166

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	12.2		1	10/22/2021 11:13	WG1759169

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	10/26/2021 13:16	WG1762656

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.09	T8	1	10/23/2021 11:00	WG1761987

Sample Narrative:

L1418643-03 WG1761987: 8.09 at 20C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	3660		10.0	1	10/20/2021 17:46	WG1759894

Sample Narrative:

L1418643-03 WG1759894: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.641		0.0167	0.200	1	10/22/2021 12:36	WG1759166

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	11.0		1	10/22/2021 11:16	WG1759169

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	10/26/2021 13:31	WG1762656

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.85	T8	1	10/23/2021 11:00	WG1761987

Sample Narrative:

L1418643-04 WG1761987: 8.85 at 19.6C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	2700		10.0	1	10/20/2021 17:46	WG1759894

Sample Narrative:

L1418643-04 WG1759894: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.990		0.0167	0.200	1	10/22/2021 12:44	WG1759166

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	8.12		1	10/22/2021 11:18	WG1759169

1 Cp

2 Tc

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	10/26/2021 13:36	WG1762656

3 Ss

4 Cn

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.92	T8	1	10/23/2021 11:00	WG1761987

5 Sr

6 Qc

Sample Narrative:

L1418643-05 WG1761987: 8.92 at 19.6C

7 Gl

8 Al

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	2170		10.0	1	10/20/2021 17:46	WG1759894

9 Sc

Sample Narrative:

L1418643-05 WG1759894: at 25C

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.895		0.0167	0.200	1	10/22/2021 12:47	WG1759166

Method Blank (MB)

(MB) R3721492-1 10/26/21 12:27

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Hexavalent Chromium	U		0.255	1.00

L1418643-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1418643-01 10/26/21 12:39 • (DUP) R3721492-3 10/26/21 12:45

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

L1420869-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1420869-01 10/26/21 14:13 • (DUP) R3721492-8 10/26/21 14:18

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Hexavalent Chromium	0.442	0.753	1	52.0	J P1	20

Laboratory Control Sample (LCS)

(LCS) R3721492-2 10/26/21 12:34

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Hexavalent Chromium	10.0	11.5	115	80.0-120	

L1418643-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1418643-02 10/26/21 12:50 • (MS) R3721492-4 10/26/21 12:55 • (MSD) R3721492-5 10/26/21 13:00

	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	%	%		%			%	%
Hexavalent Chromium	20.0	U	14.7	20.5	73.7	102	1	75.0-125	J6	J3	32.5	20

L1418643-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1418643-02 10/26/21 12:50 • (MS) R3721492-6 10/26/21 13:05

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Hexavalent Chromium	659	U	693	105	50	75.0-125	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1418945-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1418945-04 10/23/21 11:00 • (DUP) R3720407-3 10/23/21 11:00

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	7.80	7.85	1	0.639		1

Sample Narrative:

OS: 7.8 at 19.7C

DUP: 7.85 at 19.6C

Laboratory Control Sample (LCS)

(LCS) R3720407-1 10/23/21 11:00

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	su	su	%	%	
pH	10.0	10.0	100	99.0-101	

Sample Narrative:

LCS: 10 at 20.5C

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

L1418643-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1418643-01 10/27/21 08:52 • (DUP) R3721932-2 10/27/21 08:52

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	8.34	8.30	1	0.481		1

Sample Narrative:

OS: 8.34 at 19.8C

DUP: 8.3 at 19.8C



L1419466-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1419466-08 10/27/21 08:52 • (DUP) R3721932-3 10/27/21 08:52

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	7.91	7.97	1	0.756		1

Sample Narrative:

OS: 7.91 at 20.3C

DUP: 7.97 at 20.2C

Laboratory Control Sample (LCS)

(LCS) R3721932-1 10/27/21 08:52

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	su	su	%	%	
pH	10.0	9.99	99.9	99.0-101	

Sample Narrative:

LCS: 9.99 at 19.9C

Method Blank (MB)

(MB) R3719119-1 10/20/21 17:46

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

Sample Narrative:

BLANK: at 25C

L1418643-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1418643-01 10/20/21 17:46 • (DUP) R3719119-3 10/20/21 17:46

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	3610	3630	1	0.552		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1418661-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1418661-01 10/20/21 17:46 • (DUP) R3719119-4 10/20/21 17:46

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	207	208	1	0.529		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3719119-2 10/20/21 17:46

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	268	270	101	85.0-115	

Sample Narrative:

LCS: at 25C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3720137-1 10/22/21 12:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	U		0.0167	0.200

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

(LCS) R3720137-2 10/22/21 12:15 • (LCSD) R3720137-3 10/22/21 12:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.06	1.08	106	108	80.0-120			1.32	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
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
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
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

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

