

## Quandary Consultants

Sample Delivery Group: L1285139  
Samples Received: 11/12/2020  
Project Number:  
Description:

Report To: Asher Weinberg  
55 E. 4th Avenue  
Denver, CO 80203

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.



SHULL 9059457 L1285139-01 GW

Collected by  
Erin Bailey

Collected date/time  
11/11/20 12:44

Received date/time  
11/12/20 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1578111	1	11/18/20 02:34	11/18/20 07:00	CAT	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG1581159	1	11/23/20 13:12	11/23/20 13:12	SL	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1579485	1	11/22/20 22:47	11/22/20 22:47	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1579485	5	11/22/20 23:05	11/22/20 23:05	ELN	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1577483	1	11/17/20 17:14	11/18/20 00:43	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1577961	1	11/18/20 06:19	11/18/20 06:19	TPR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG1577553	1	11/17/20 17:40	11/17/20 17:40	DAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG1578300	1	11/20/20 09:15	11/21/20 08:13	JDG	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



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



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	668		10.0	1	11/18/2020 07:00	<a href="#">WG1578111</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Alkalinity,Bicarbonate	218		20.0	1	11/23/2020 13:12	<a href="#">WG1581159</a>
Alkalinity,Carbonate	ND		20.0	1	11/23/2020 13:12	<a href="#">WG1581159</a>

## Sample Narrative:

L1285139-01 WG1581159: Endpoint pH 4.5 Headspace

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Bromide	ND		1.00	1	11/22/2020 22:47	<a href="#">WG1579485</a>
Chloride	18.3		1.00	1	11/22/2020 22:47	<a href="#">WG1579485</a>
Fluoride	0.249		0.150	1	11/22/2020 22:47	<a href="#">WG1579485</a>
Sulfate	253		25.0	5	11/22/2020 23:05	<a href="#">WG1579485</a>

## Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Calcium	71.2		1.00	1	11/18/2020 00:43	<a href="#">WG1577483</a>
Magnesium	10.6		1.00	1	11/18/2020 00:43	<a href="#">WG1577483</a>
Potassium	10.1		2.00	1	11/18/2020 00:43	<a href="#">WG1577483</a>
Sodium	118		3.00	1	11/18/2020 00:43	<a href="#">WG1577483</a>

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/18/2020 06:19	<a href="#">WG1577961</a>
Toluene	ND		0.00100	1	11/18/2020 06:19	<a href="#">WG1577961</a>
Ethylbenzene	ND		0.000500	1	11/18/2020 06:19	<a href="#">WG1577961</a>
Total Xylene	ND		0.00150	1	11/18/2020 06:19	<a href="#">WG1577961</a>
TPH (GC/FID) Low Fraction	ND		0.100	1	11/18/2020 06:19	<a href="#">WG1577961</a>
(S) a,a,a-Trifluorotoluene(FID)	95.9		78.0-120		11/18/2020 06:19	<a href="#">WG1577961</a>
(S) a,a,a-Trifluorotoluene(PID)	101		79.0-125		11/18/2020 06:19	<a href="#">WG1577961</a>

## Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Methane	ND		0.0100	1	11/17/2020 17:40	<a href="#">WG1577553</a>
Ethane	ND		0.0130	1	11/17/2020 17:40	<a href="#">WG1577553</a>
Propane	ND		0.0190	1	11/17/2020 17:40	<a href="#">WG1577553</a>

## Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	ND		0.100	1	11/21/2020 08:13	<a href="#">WG1578300</a>
(S) o-Terphenyl	96.3		31.0-160		11/21/2020 08:13	<a href="#">WG1578300</a>

Method Blank (MB)

(MB) R3595276-1 11/18/20 07:00

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		2.82	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

L1284949-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1284949-09 11/18/20 07:00 • (DUP) R3595276-3 11/18/20 07:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1530	1550	1	1.43		5

L1285141-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1285141-01 11/18/20 07:00 • (DUP) R3595276-4 11/18/20 07:00

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	278	272	1	2.18		5

Laboratory Control Sample (LCS)

(LCS) R3595276-2 11/18/20 07:00

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8830	100	77.4-123	

Method Blank (MB)

(MB) R3596528-1 11/23/20 12:08

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB MDL mg/l	MB RDL mg/l
Alkalinity,Bicarbonate	U		8.45	20.0
Alkalinity,Carbonate	U		8.45	20.0

Sample Narrative:  
BLANK: Endpoint pH 4.5

- <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) R3596406-1 11/22/20 12:52

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Bromide	U		0.353	1.00
Chloride	U		0.379	1.00
Fluoride	U		0.0640	0.150
Sulfate	U		0.594	5.00

L1284738-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1284738-06 11/22/20 15:06 • (DUP) R3596406-3 11/22/20 15:25

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Bromide	ND	ND	10	0.000		15
Chloride	24.8	24.5	10	1.11		15
Fluoride	ND	ND	10	0.000		15
Sulfate	147	146	10	0.476		15

L1284753-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1284753-09 11/22/20 19:43 • (DUP) R3596406-5 11/22/20 20:01

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Bromide	ND	ND	1	0.428		15
Chloride	8.85	8.85	1	0.0554		15
Fluoride	0.203	0.203	1	0.0987		15
Sulfate	25.7	25.7	1	0.117		15

Laboratory Control Sample (LCS)

(LCS) R3596406-2 11/22/20 13:10

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Bromide	40.0	39.8	99.5	80.0-120	
Chloride	40.0	40.0	99.9	80.0-120	
Fluoride	8.00	8.41	105	80.0-120	
Sulfate	40.0	40.6	102	80.0-120	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc





L1284744-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1284744-01 11/22/20 16:20 • (MS) R3596406-4 11/22/20 17:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Bromide	50.0	204	250	90.3	1	80.0-120	E
Chloride	50.0	41.0	91.8	102	1	80.0-120	
Fluoride	5.00	0.177	5.31	103	1	80.0-120	
Sulfate	50.0	ND	56.2	104	1	80.0-120	

L1284919-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1284919-01 11/22/20 20:56 • (MS) R3596406-6 11/22/20 21:15 • (MSD) R3596406-7 11/22/20 21:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromide	50.0	ND	ND	ND	0.000	0.000	1	80.0-120	J6	J6	0.000	15
Chloride	50.0	84.5	134	133	98.2	97.8	1	80.0-120	E	E	0.144	15
Fluoride	5.00	ND	4.96	4.95	97.2	97.0	1	80.0-120			0.180	15
Sulfate	50.0	1880	1870	1870	0.000	0.000	1	80.0-120	E V	E V	0.0812	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3594257-1 11/18/20 00:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Calcium	U		0.0793	1.00
Magnesium	U		0.0853	1.00
Potassium	U		0.261	2.00
Sodium	U		0.504	3.00

Laboratory Control Sample (LCS)

(LCS) R3594257-2 11/18/20 00:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Calcium	10.0	9.59	95.9	80.0-120	
Magnesium	10.0	9.59	95.9	80.0-120	
Potassium	10.0	8.93	89.3	80.0-120	
Sodium	10.0	9.37	93.7	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3594528-3 11/18/20 00:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	0.000542	J	0.000510	0.00150
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	95.0			78.0-120
(S) a,a,a-Trifluorotoluene(PID)	100			79.0-125

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3594528-1 11/17/20 23:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0433	86.6	77.0-122	
Toluene	0.0500	0.0474	94.8	80.0-121	
Ethylbenzene	0.0500	0.0518	104	80.0-123	
Total Xylene	0.150	0.147	98.0	47.0-154	
(S) a,a,a-Trifluorotoluene(FID)			95.0	78.0-120	
(S) a,a,a-Trifluorotoluene(PID)			100	79.0-125	

Laboratory Control Sample (LCS)

(LCS) R3594528-2 11/17/20 23:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.95	90.0	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			99.8	78.0-120	
(S) a,a,a-Trifluorotoluene(PID)			107	79.0-125	

Method Blank (MB)

(MB) R3594155-2 11/17/20 16:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Methane	U		0.00291	0.0100
Ethane	U		0.00407	0.0130
Propane	U		0.00548	0.0190

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

(LCS) R3594155-1 11/17/20 16:11 • (LCSD) R3594155-5 11/17/20 17:57

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 %
Methane	0.0678	0.0672	0.0695	99.1	103	85.0-115			3.37	20
Ethane	0.129	0.133	0.134	103	104	85.0-115			0.749	20
Propane	0.186	0.193	0.192	104	103	85.0-115			0.519	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3595857-1 11/20/20 21:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0247	0.100
(S) o-Terphenyl	91.5			31.0-160

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

(LCS) R3595857-2 11/20/20 21:48 • (LCSD) R3595857-3 11/20/20 22:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.61	1.61	107	107	50.0-150			0.000	20
(S) o-Terphenyl				104	103	31.0-160				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



## Guide to Reading and Understanding Your Laboratory Report

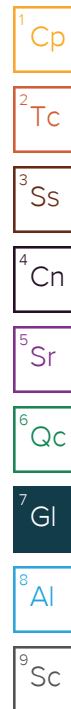
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.





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

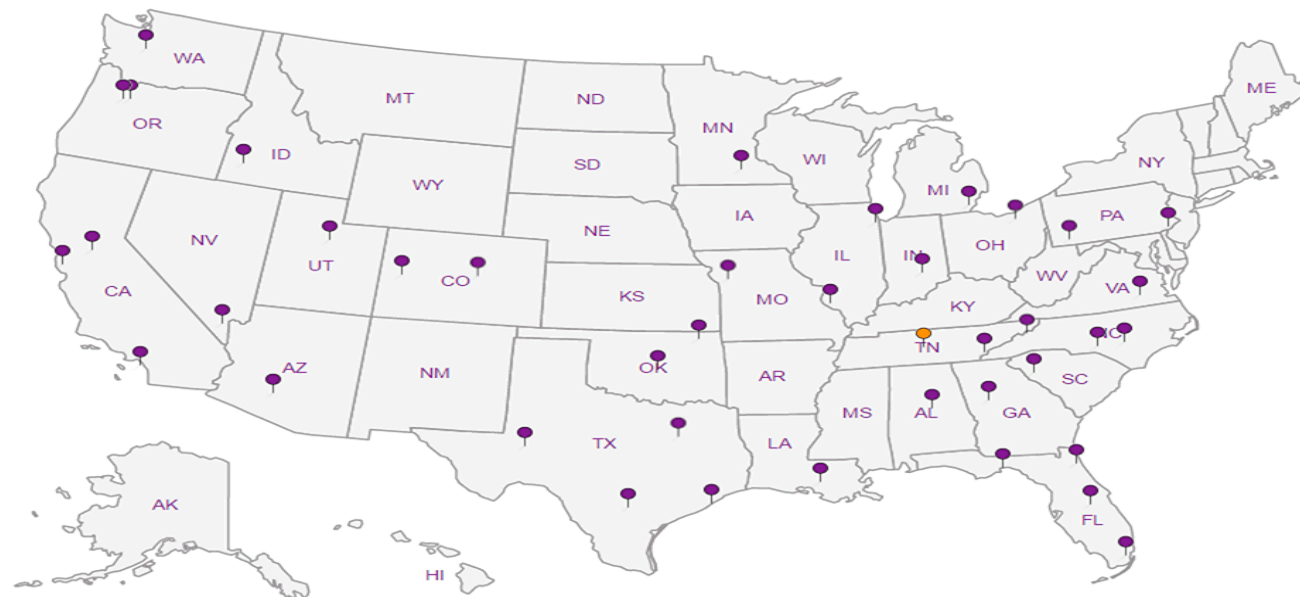
## Third Party Federal Accreditations

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.



# Quandary Consultants

55 E. 4th Avenue  
Denver, CO 80203

Report to:  
**Asher Weinberg**

Project Description:

Phone: **720-598-8660**

Collected by (print):

Collected by (signature):

Immediately  
Packed on Ice N ☐ Y ☒

Billing Information:

**Ali Castro**  
55 E. 4th Avenue  
Denver, CO 80203

Email To:

**aweinberg@quandaryconsultants.com;ebailey**

City/State  
Collected:

Please Circle:  
PT MT CT ET

Client Project #

Lab Project #

Site/Facility ID #

P.O. #

**Rush?** (Lab MUST Be Notified)

☐ Same Day ☐ Five Day  
☐ Next Day ☐ 5 Day (Rad Only)  
☐ Two Day ☐ 10 Day (Rad Only)  
☐ Three Day

Quote #

Date Results Needed

No.  
of  
Cntrs

Sample ID

Comp/Grab

Matrix \*

Depth

Date

Time

No.  
of  
Cntrs

Analysis / Container / Preservative

Chain of Custody

Page \_\_\_ of \_\_\_



12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859



SDG # **4285139**  
**B247**

Acctnum: **QUACONDCO**

Template: **T177768**

Prelogin: **P809667**

PM: **824 - Chris Ward**

PB:

Shipped Via: **FedEX Ground**

Remarks

Sample # (lab only)

SHULL 9059457

Grab

GW

11/11/20

1244

10

X

X

X

X

X

X

X

X

21

\* Matrix:

SS - Soil AIR - Air F - Filter  
GW - Groundwater B - Bioassay  
WW - WasteWater  
DW - Drinking Water  
OT - Other

Remarks:

Date is wrong on labels - 11/11/20

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

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

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking #

9050 08923974

Relinquished by: (Signature)

Date:

11/11/20

Time:

1545

Received by: (Signature)

Trip Blank Received: Yes ☒ No ☐

HCL / MeOH  
TBR

Relinquished by: (Signature)

Date:

11/11/2021

Time:

1730

Received by: (Signature)

Temp: °C

36.1-35.5°C

Bottles Received:

10

Relinquished by: (Signature)

Date:

11/12/20

Time:

0900

Received for lab by: (Signature)

Date:

11/12/20

Time:

0900

Hold:

Condition:

NCF ☒ OK

Sample Receipt Checklist

COC Seal Present/Intact: ☒ NP ☐ Y ☐ N  
COC Signed/Accurate: ☒ Y ☐ N  
Bottles arrive intact: ☒ Y ☐ N  
Correct bottles used: ☒ Y ☐ N  
Sufficient volume sent: ☒ Y ☐ N  
If Applicable  
VOA Zero Headspace: ☒ Y ☐ N  
Preservation Correct/Checked: ☒ Y ☐ N  
RAD Screen <0.5 mR/hr: ☒ Y ☐ N

If preservation required by Login: Date/Time