


**Scout Energy - Rangely, CO**

Sample Delivery Group: L1846249  
Samples Received: 04/10/2025  
Project Number:  
Description: 10 Inch Crest Spill Line

Report To: Cody Christian  
100 Chevron Road  
Rangely, CO 81648

Entire Report Reviewed By:



Chris Ward  
Project Manager

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

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

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# SAMPLE SUMMARY

## 10 IN CREST LINE SS1 (1') L1846249-01 Solid

Collected by  
B. Abeyta

Collected date/time  
04/08/25 12:45

Received date/time  
04/10/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2489326	1	04/16/25 16:22	04/16/25 16:22	MAP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2491681	1	04/16/25 08:32	04/16/25 08:53	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2489328	1	04/15/25 01:16	04/15/25 13:08	RLS	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

## 10 IN CREST LINE SS4 (1') L1846249-02 Solid

Collected by  
B. Abeyta

Collected date/time  
04/08/25 12:30

Received date/time  
04/10/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2489326	1	04/16/25 16:25	04/16/25 16:25	MAP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2491681	1	04/16/25 08:32	04/16/25 08:53	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2489328	1	04/15/25 01:16	04/15/25 13:11	RLS	Mt. Juliet, TN

## 10 IN CREST LINE SS5 (1') L1846249-03 Solid

Collected by  
B. Abeyta

Collected date/time  
04/08/25 12:20

Received date/time  
04/10/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2489326	1	04/16/25 16:27	04/16/25 16:27	MAP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2491681	1	04/16/25 08:32	04/16/25 08:53	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2489328	1	04/15/25 01:16	04/15/25 13:14	RLS	Mt. Juliet, TN

## 10 IN CREST LINE SS6 (1') L1846249-04 Solid

Collected by  
B. Abeyta

Collected date/time  
04/08/25 12:10

Received date/time  
04/10/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2489326	1	04/16/25 16:30	04/16/25 16:30	MAP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2491681	1	04/16/25 08:32	04/16/25 08:53	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2489328	1	04/15/25 01:16	04/15/25 13:17	RLS	Mt. Juliet, TN

## 10 IN CREST LINE SS7 (1') L1846249-05 Solid

Collected by  
B. Abeyta

Collected date/time  
04/08/25 11:55

Received date/time  
04/10/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2489333	1	04/15/25 14:08	04/15/25 14:08	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2491283	1	04/15/25 11:00	04/15/25 16:21	BRT	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2489338	1	04/16/25 01:38	04/16/25 22:33	MAP	Mt. Juliet, TN

## 10 IN CREST LINE BG1 (1') L1846249-06 Solid

Collected by  
B. Abeyta

Collected date/time  
04/08/25 12:50

Received date/time  
04/10/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2489326	1	04/16/25 16:33	04/16/25 16:33	MAP	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2491673	1	04/16/25 08:30	04/16/25 10:36	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2491681	1	04/16/25 08:32	04/16/25 08:53	BJM	Mt. Juliet, TN

# SAMPLE SUMMARY

## 10 IN CREST LINE BG2 (1') L1846249-07 Solid

Collected by  
B. Abeyta

Collected date/time  
04/08/25 12:35

Received date/time  
04/10/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2489333	1	04/15/25 14:23	04/15/25 14:23	RLS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2491280	1	04/15/25 14:02	04/15/25 15:20	KRB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2491283	1	04/15/25 11:00	04/15/25 16:21	BRT	Mt. Juliet, TN

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

## 10 IN CREST LINE BG3 (1') L1846249-08 Solid

Collected by  
B. Abeyta

Collected date/time  
04/08/25 12:00

Received date/time  
04/10/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2489326	1	04/16/25 16:36	04/16/25 16:36	MAP	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2491673	1	04/16/25 08:30	04/16/25 10:36	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2491681	1	04/16/25 08:32	04/16/25 08:53	BJM	Mt. Juliet, TN

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

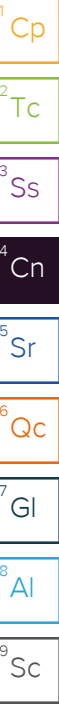
<sup>9</sup>Sc

# CASE NARRATIVE

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



Chris Ward  
Project Manager



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	4.56		1	04/16/2025 16:22	WG2489326

1  
Cp

2  
Tc

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	4120	umhos/cm		10.0	1	04/16/2025 08:53	<a href="#">WG2491681</a>

3  
Ss

4  
Cn

Sample Narrative:

L1846249-01 WG2491681: at 25C

5  
Sr

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	1.94		0.0167	0.200	1	04/15/2025 13:08	<a href="#">WG2489328</a>

6  
Qc

7  
Gl

8  
Al

9  
Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.187		1	04/16/2025 16:25	WG2489326

<sup>1</sup>Cp

<sup>2</sup>Tc

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	283	umhos/cm		10.0	1	04/16/2025 08:53	<a href="#">WG2491681</a>

<sup>3</sup>Ss

<sup>4</sup>Cn

Sample Narrative:  
L1846249-02 WG2491681: at 25C

<sup>5</sup>Sr

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	0.496		0.0167	0.200	1	04/15/2025 13:11	<a href="#">WG2489328</a>

<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	0.755		1	04/16/2025 16:27	WG2489326

1  
Cp

2  
Tc

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	347	umhos/cm		10.0	1	04/16/2025 08:53	<a href="#">WG2491681</a>

3  
Ss

4  
Cn

Sample Narrative:  
L1846249-03 WG2491681: at 25C

5  
Sr

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	0.831		0.0167	0.200	1	04/15/2025 13:14	<a href="#">WG2489328</a>

6  
Qc

7  
Gl

8  
Al

9  
Sc



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.516		1	04/16/2025 16:30	WG2489326

<sup>1</sup>Cp

<sup>2</sup>Tc

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	255	umhos/cm		10.0	1	04/16/2025 08:53	<a href="#">WG2491681</a>

<sup>3</sup>Ss

<sup>4</sup>Cn

Sample Narrative:  
L1846249-04 WG2491681: at 25C

<sup>5</sup>Sr

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	0.553		0.0167	0.200	1	04/15/2025 13:17	<a href="#">WG2489328</a>

<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	46.9		1	04/15/2025 14:08	WG2489333

<sup>1</sup>Cp

<sup>2</sup>Tc

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	11200	umhos/cm		10.0	1	04/15/2025 16:21	<a href="#">WG2491283</a>

<sup>3</sup>Ss

<sup>4</sup>Cn

Sample Narrative:

L1846249-05 WG2491283: at 25C

<sup>5</sup>Sr

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	3.39		0.0167	0.200	1	04/16/2025 22:33	<a href="#">WG2489338</a>

<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	0.0391		1	04/16/2025 16:33	WG2489326

1  
Cp

2  
Tc

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.71	T8	1	04/16/2025 10:36	<a href="#">WG2491673</a>

3  
Ss

4  
Cn

Sample Narrative:  
L1846249-06 WG2491673: 7.71 at 21.6C

5  
Sr

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2400	umhos/cm		10.0	1	04/16/2025 08:53	<a href="#">WG2491681</a>

6  
Qc

7  
Gl

Sample Narrative:  
L1846249-06 WG2491681: at 25C

8  
Al

9  
Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.266		1	04/15/2025 14:23	WG2489333

1  
Cp

2  
Tc

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.14	T8	1	04/15/2025 15:20	<a href="#">WG2491280</a>

3  
Ss

4  
Cn

Sample Narrative:

L1846249-07 WG2491280: 8.14 at 20.6C

5  
Sr

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	229	umhos/cm		10.0	1	04/15/2025 16:21	<a href="#">WG2491283</a>

6  
Qc

7  
Gl

Sample Narrative:

L1846249-07 WG2491283: at 25C

8  
Al

9  
Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.228		1	04/16/2025 16:36	WG2489326

<sup>1</sup>Cp

<sup>2</sup>Tc

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.58	<a href="#">T8</a>	1	04/16/2025 10:36	<a href="#">WG2491673</a>

<sup>3</sup>Ss

<sup>4</sup>Cn

Sample Narrative:  
L1846249-08 WG2491673: 7.58 at 21.3C

<sup>5</sup>Sr

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	2440	umhos/cm		10.0	1	04/16/2025 08:53	<a href="#">WG2491681</a>

<sup>6</sup>Qc

<sup>7</sup>Gl

Sample Narrative:  
L1846249-08 WG2491681: at 25C

<sup>8</sup>Al

<sup>9</sup>Sc

L1846027-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1846027-06 04/15/25 15:20 • (DUP) R4199920-2 04/15/25 15:20

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	6.60	6.65	1	0.755		1

Sample Narrative:

OS: 6.6 at 22.2C

DUP: 6.65 at 22.4C

<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

L1846249-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1846249-07 04/15/25 15:20 • (DUP) R4199920-3 04/15/25 15:20

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	8.14	8.13	1	0.123		1

Sample Narrative:

OS: 8.14 at 20.6C

DUP: 8.13 at 20.8C

Laboratory Control Sample (LCS)

(LCS) R4199920-1 04/15/25 15:20

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

Sample Narrative:

LCS: 10 at 21C

L1846031-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1846031-05 04/16/25 10:36 • (DUP) R4200337-2 04/16/25 10:36

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	9.00	9.02	1	0.222		1

Sample Narrative:  
OS: 9 at 21.4C  
DUP: 9.02 at 21.4C

L1846249-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1846249-08 04/16/25 10:36 • (DUP) R4200337-3 04/16/25 10:36

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	su	su		%		%
pH	7.58	7.60	1	0.264		1

Sample Narrative:  
OS: 7.58 at 21.3C  
DUP: 7.6 at 21.2C

Laboratory Control Sample (LCS)

(LCS) R4200337-1 04/16/25 10:36

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	su	su	%	%	
pH	10.0	9.96	99.6	99.0-101	

Sample Narrative:  
LCS: 9.96 at 19.7C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4199973-1 04/15/25 16:21

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

L1846027-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1846027-10 04/15/25 16:21 • (DUP) R4199973-3 04/15/25 16:21

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	1070	107	1	164	J3	20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1846249-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1846249-05 04/15/25 16:21 • (DUP) R4199973-4 04/15/25 16:21

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	11200	11100	1	0.180		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4199973-2 04/15/25 16:21

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1130	100	85.0-115	

Sample Narrative:

LCS: at 25C

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R4200416-1 04/16/25 08:53

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

L1846031-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1846031-05 04/16/25 08:53 • (DUP) R4200416-3 04/16/25 08:53

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	267	266	1	0.638		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1847538-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1847538-03 04/16/25 08:53 • (DUP) R4200416-4 04/16/25 08:53

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	105	105	1	0.763		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4200416-2 04/16/25 08:53

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1150	102	85.0-115	

Sample Narrative:

LCS: at 25C



Method Blank (MB)

(MB) R4199937-1 04/15/25 12:23

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) R4199937-2 04/15/25 12:26 • (LCSD) R4199937-3 04/15/25 12:29

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	1.03	106	103	80.0-120			2.49	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R4200742-1 04/16/25 21:46

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) R4200742-2 04/16/25 21:48 • (LCSD) R4200742-3 04/16/25 21:50

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	1.07	1.04	107	104	80.0-120			2.50	20

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

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

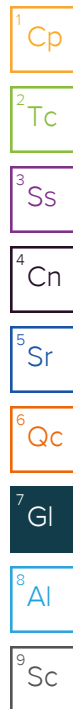
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

## Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
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.



# ACCREDITATIONS & LOCATIONS

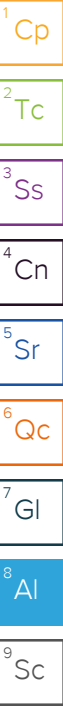
## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



Scout Energy Partners  
100 Chevron Road  
Rangely, CO 81648

Billing Information:

Same as left

Pres  
Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 1



Report to:  
Cody Christian

Email To:  
cody.christian@scoutep.com

Project Description:  
10 Inch Crest Line Spill

City/State  
Collected: CO

Phone: 1-970-501-5157  
Fax:

Client Project #

Lab Project #

Collected by (print):  
B. Abeyta

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

BA

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

Date Results Needed

Immediately  
Packed on Ice N ☐ Y ☒

No.  
of  
Cnts

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cnts	TABLE 915 GRO/DRO/ORO	TABLE 915 Metals	TABLE 915 VOCs	TABLE 915 pH, SPCON, SAR	TABLE 915 PAHs	HWS Boron	SAR	EC	Remarks	Sample # (lab only)
10 In Crest Line SS1 (1')	Grab	SS	1'	4/8/2025	1245	2						X	X	X		- 01
10 In Crest Line SS4 (1')	Grab	SS	1'	4/8/2025	1230	2						X	X	X		- 02
10 In Crest Line SS5 (1')	Grab	SS	1'	4/8/2025	1220	2						X	X	X		- 03
10 In Crest Line SS6 (1')	Grab	SS	1'	4/8/2025	1210	2						X	X	X		- 04
10 In Crest Line SS7 (1')	Grab	SS	1'	4/8/2025	1155	2						X	X	X		- 05
10 In Crest Line BG1 (1')	Grab	SS	1'	4/8/2025	1250	3				X						- 06
10 In Crest Line BG2 (1')	Grab	SS	1'	4/8/2025	1235	3				X						- 07
10 In Crest Line BG3 (1')	Grab	SS	1'	4/8/2025	1200	3				X						- 08

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

Remarks:

Samples returned via:  
UPS FedEx Courier

Tracking # 7315 3202 3281

pH Temp  
Flow Other

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

Relinquished by : (Signature) BA	Date: 4/8/2025	Time: 1700	Received by: (Signature) [Signature]	Trip Blank Received: Yes/No HCL / MeOH TBR
Relinquished by : (Signature) [Signature]	Date: 4/9/25	Time: 1600	Received by: (Signature) [Signature]	Temp: °C Bottles Received: 74.9 2.7 10.4 = 3.1 19
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [Signature]	Date: 4/10/25 Time: 0900
				Hold:
				Condition: NCF / OK