


Terra Energy Partners

Sample Delivery Group: L1915198
Samples Received: 11/06/2025
Project Number: BACKGROUND
Description: TEP Rocky Mountain-Riley Tank Farm
Site: RILEY TANK FARM
Report To: Mike Gardner & Kris Rowe
1058 County Road 215
Parachute, CO 81635

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.

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SAMPLE SUMMARY

BKGD 1 L1915198-01

Collected by: Kris Rowe
 Collected date/time: 11/04/25 17:10
 Received date/time: 11/06/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2636606	1	11/08/25 23:57	11/08/25 23:57	MAP	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2636817	1	11/09/25 07:37	11/09/25 08:07	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2636827	1	11/09/25 07:51	11/10/25 16:55	BJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2635649	1	11/07/25 07:52	11/08/25 00:50	JDB	Mt. Juliet, TN

1
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

8
Al

9
Sc

BKGD 2 L1915198-02

Collected by: Kris Rowe
 Collected date/time: 11/04/25 17:20
 Received date/time: 11/06/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2636606	1	11/08/25 23:59	11/08/25 23:59	MAP	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2636817	1	11/09/25 07:37	11/09/25 08:07	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2636827	1	11/09/25 07:51	11/10/25 16:55	BJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2635649	1	11/07/25 07:52	11/08/25 00:54	JDB	Mt. Juliet, TN

BKGD 3 L1915198-03

Collected by: Kris Rowe
 Collected date/time: 11/04/25 17:30
 Received date/time: 11/06/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2636606	1	11/09/25 00:01	11/09/25 00:01	MAP	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2636817	1	11/09/25 07:37	11/09/25 08:07	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2636827	1	11/09/25 07:51	11/10/25 16:55	BJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2635649	1	11/07/25 07:52	11/08/25 00:57	JDB	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

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	3.89		1	11/08/2025 23:57	WG2636606

1 Cp

2 Tc

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.44		1	11/09/2025 08:07	WG2636817

3 Ss

4 Cn

Sample Narrative:

L1915198-01 WG2636817: 8.44 at 18.6C

5 Sr

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.900	mmhos/cm		0.0100	1	11/10/2025 16:55	WG2636827

6 Qc

7 Gl

Sample Narrative:

L1915198-01 WG2636827: at 25C

8 Al

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	12.9		0.100	1	11/08/2025 00:50	WG2635649

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	9.29		1	11/08/2025 23:59	WG2636606

1 Cp

2 Tc

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.70		1	11/09/2025 08:07	WG2636817

3 Ss

4 Cn

Sample Narrative:

L1915198-02 WG2636817: 8.7 at 18.6C

5 Sr

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1.31	mmhos/cm		0.0100	1	11/10/2025 16:55	WG2636827

6 Qc

7 Gl

Sample Narrative:

L1915198-02 WG2636827: at 25C

8 Al

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	7.81		0.100	1	11/08/2025 00:54	WG2635649

9 Sc

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.601		1	11/09/2025 00:01	WG2636606

1 Cp

2 Tc

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.55		1	11/09/2025 08:07	WG2636817

3 Ss

4 Cn

Sample Narrative:

L1915198-03 WG2636817: 8.55 at 18.8C

5 Sr

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.255	mmhos/cm		0.0100	1	11/10/2025 16:55	WG2636827

6 Qc

7 Gl

Sample Narrative:

L1915198-03 WG2636827: at 25C

8 Al

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Arsenic	5.92		0.100	1	11/08/2025 00:57	WG2635649

9 Sc

L1915142-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1915142-02 11/09/25 08:07 • (DUP) R4298387-2 11/09/25 08:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.32	8.32	1	0.000		1

Sample Narrative:
 OS: 8.32 at 19.5C
 DUP: 8.32 at 19.7C

L1915456-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1915456-04 11/09/25 08:07 • (DUP) R4298387-3 11/09/25 08:07

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

Sample Narrative:
 OS: 8.43 at 18.5C
 DUP: 8.42 at 18.8C

Laboratory Control Sample (LCS)

(LCS) R4298387-1 11/09/25 08:07

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

Sample Narrative:
 LCS: 10.02 at 18.8C

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4298962-1 11/10/25 16:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Specific Conductance	U		0.0100	0.0100

Sample Narrative:

BLANK: at 25C

L1915142-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1915142-03 11/10/25 16:55 • (DUP) R4298962-3 11/10/25 16:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	7.07	6.99	1	1.14		20

Sample Narrative:

OS: at 25C
DUP: at 25C

L1915456-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1915456-03 11/10/25 16:55 • (DUP) R4298962-4 11/10/25 16:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Specific Conductance	0.583	0.578	1	0.861		20

Sample Narrative:

OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4298962-2 11/10/25 16:55

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Specific Conductance	0.581	0.579	99.7	90.0-110	

Sample Narrative:

LCS: at 25C



Method Blank (MB)

(MB) R4298424-1 11/08/25 00:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	0.100

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R4298424-2 11/08/25 00:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	91.0	91.0	80.0-120	

⁴Cn

⁵Sr

L1915210-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1915210-01 11/08/25 00:11 • (MS) R4298424-5 11/08/25 00:21 • (MSD) R4298424-6 11/08/25 00:24

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	4.44	59.1	65.3	54.7	60.8	1	75.0-125	<u>J6</u>	<u>J6</u>	9.90	20

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.

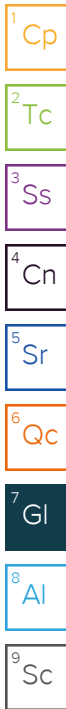
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. 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.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
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

J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
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ACCREDITATIONS & LOCATIONS

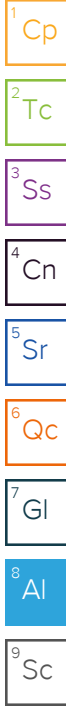
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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.

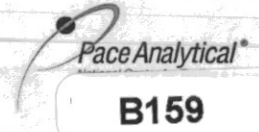
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Client:
TEP Rocky Mountain
1058 County Road 215
Parachute, CO 81650

Billing Info:
TEP Rocky Mountain
Attn: Mike Gardner
1058 County Road 215
Parachute, CO 81650
Acct #: TERENGPCO

Analysis / Container / Preservative



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

Report To:
Mike Gardner & Kris Rowe

E-Mail:
mgardner@terraep.com
krowe@hrlcomp.com

Project Description:
TEP Rocky Mountain - Riley Tank Farm

City/State Collected:
COLORADO

Phone: 970-243-3271
Fax: 970-243-4380

Client Project #:
Background

Lab Project #

Collected By:
Kris Rowe

Site/Facility ID:
Riley Tank Farm

P.O. #

Collected By (Signature):
KR
Immediately
Packed on Ice N ___ Y X

Rush? (lab must be notified)
___ Same Day----- (200%)
___ Next Day----- (100%)
___ Two Day----- (50%)
___ Three Day----- (25%)

Date Results Needed
4-5 Day
Email? ___ No X Yes
Fax? X No ___ Yes

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. Of Cntrs
BKGD 1	Grab	Soil	6-8"	11/4/2025	17:10	2
BKGD 2	Grab	Soil	6-8"	11/4/2025	17:20	2
BKGD 3	Grab	Soil	6-8"	11/4/2025	17:30	2

Ar	SAR	EC	pH
X	X		
X	X		
X	X		

Rem/Contaminant	Sample #
	01
	02
	03

Acct #:
Template: *U91519A*
Prelogin:
PM: 824 - Chris Ward
PB:
Shipped Via: FedEx Ground

2.6-0.0=2.6
Sample Receipt Checklist
 Seal Present/Intact: X Y ___ N ___ NP ___ If Applicable
 Signed/Accurate: X Y ___ N ___ VOA Zero Headspace: ___ Y ___ N ___
 Seals arrive intact: X Y ___ N ___ Pres. Correct/Check: ___ Y ___ N ___
 Correct bottles used: X Y ___ N ___
 Client volume sent: X Y ___ N ___ Condition: ___ NCF ___ OK ___
 Residual < 0.5 mR/hr: X Y ___ N ___
 6 TOTAL

*Matrix SS-Soil GW-Groundwater WW-WasteWater DW-Drinking Water OT-Other

Remarks:
 Relinquished by (Sign) *[Signature]* Date: 11/5/25 Time: 1200
 Relinquished by (Sign) *[Signature]* Date: 11/5/25 Time: 1500
 Relinquished by (Sign) *[Signature]* Date: 11/6/25 Time: 0900

pH _____ Temp _____
 Flow _____ Other _____
 Hold # _____
 Condition: _____ (Lab Use)
 Samples Returned Via
 ___ UPS ___ FedEx
 Temp: °C # Bot
 COC Seal Intact ___ Y ___ N
 pH Checked NCF: