

Entrada Consulting Group

Sample Delivery Group: L1777384
Samples Received: 09/13/2024
Project Number:
Description: Wilson Creek Unit 2 Backgrounds

Report To: Tim Dobransky
330 Grand Avenue
Suite C
Grand Junction, CO 81501

Entire Report Reviewed By:



Chris Ward
Project Manager

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Pace Analytical National

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TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
UNIT 2 BG1 (5') L1777384-01	5
UNIT 2 BG1 (8') L1777384-02	6
UNIT 2 BG1 (11') L1777384-03	7
UNIT 2 BG1 (13') L1777384-04	8
Qc: Quality Control Summary	9
Wet Chemistry by Method 7199	9
Wet Chemistry by Method 9045D	10
Wet Chemistry by Method 9050AMod	11
Metals (ICP) by Method 6010B-NE493 Ch 2	12
Metals (ICPMS) by Method 6020	13
Gl: Glossary of Terms	14
Al: Accreditations & Locations	15
Sc: Sample Chain of Custody	16



SAMPLE SUMMARY

UNIT 2 BG1 (5') L1777384-01 Solid

Collected by T. Dobransky Collected date/time 09/11/24 11:35 Received date/time 09/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2365123	1	09/19/24 02:01	09/19/24 02:01	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2363335	1	09/16/24 13:24	09/17/24 01:09	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2365506	1	09/19/24 07:40	09/20/24 11:54	KA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2365519	1	09/19/24 08:07	09/21/24 14:57	KA	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2365132	1	09/18/24 17:24	09/19/24 00:48	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2362675	5	09/15/24 10:49	09/15/24 17:56	LD	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

UNIT 2 BG1 (8') L1777384-02 Solid

Collected by T. Dobransky Collected date/time 09/11/24 11:40 Received date/time 09/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2365123	1	09/19/24 01:34	09/19/24 01:34	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2363335	1	09/16/24 13:24	09/17/24 01:15	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2365506	1	09/19/24 07:40	09/20/24 11:54	KA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2365519	1	09/19/24 08:07	09/21/24 14:57	KA	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2365132	1	09/18/24 17:24	09/19/24 00:50	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2362675	5	09/15/24 10:49	09/15/24 17:59	LD	Mt. Juliet, TN

UNIT 2 BG1 (11') L1777384-03 Solid

Collected by T. Dobransky Collected date/time 09/11/24 11:45 Received date/time 09/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2365123	1	09/19/24 01:36	09/19/24 01:36	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2363335	1	09/16/24 13:24	09/17/24 01:22	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2365506	1	09/19/24 07:40	09/20/24 11:54	KA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2365519	1	09/19/24 08:07	09/21/24 14:57	KA	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2365132	1	09/18/24 17:24	09/19/24 00:52	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2362675	5	09/15/24 10:49	09/15/24 18:02	LD	Mt. Juliet, TN

UNIT 2 BG1 (13') L1777384-04 Solid

Collected by T. Dobransky Collected date/time 09/11/24 11:50 Received date/time 09/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2365123	1	09/19/24 01:38	09/19/24 01:38	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2363335	1	09/16/24 13:24	09/17/24 01:28	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2365506	1	09/19/24 07:40	09/20/24 11:54	KA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2365519	1	09/19/24 08:07	09/21/24 14:57	KA	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2365132	1	09/18/24 17:24	09/19/24 00:55	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2362675	5	09/15/24 10:49	09/15/24 18:05	LD	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	0.335		1	09/19/2024 02:01	WG2365123

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/17/2024 01:09	WG2363335

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.12	<u>T8</u>	1	09/20/2024 11:54	WG2365506

Sample Narrative:

L1777384-01 WG2365506: 8.12 at 22.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	234	umhos/cm		10.0	1	09/21/2024 14:57	WG2365519

Sample Narrative:

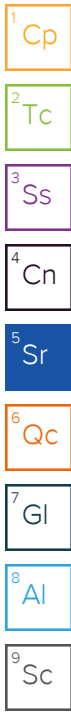
L1777384-01 WG2365519: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	09/19/2024 00:48	WG2365132

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.79		1.00	5	09/15/2024 17:56	WG2362675
Barium	74.7		2.50	5	09/15/2024 17:56	WG2362675
Cadmium	ND		1.00	5	09/15/2024 17:56	WG2362675
Copper	13.1		5.00	5	09/15/2024 17:56	WG2362675
Lead	13.6		2.00	5	09/15/2024 17:56	WG2362675
Nickel	11.6		2.50	5	09/15/2024 17:56	WG2362675
Selenium	ND		2.50	5	09/15/2024 17:56	WG2362675
Silver	ND		0.500	5	09/15/2024 17:56	WG2362675
Zinc	48.8		25.0	5	09/15/2024 17:56	WG2362675



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.368		1	09/19/2024 01:34	WG2365123

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/17/2024 01:15	WG2363335

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.18	<u>T8</u>	1	09/20/2024 11:54	WG2365506

Sample Narrative:

L1777384-02 WG2365506: 8.18 at 22.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	263	umhos/cm		10.0	1	09/21/2024 14:57	WG2365519

Sample Narrative:

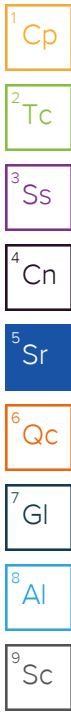
L1777384-02 WG2365519: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.216		0.200	1	09/19/2024 00:50	WG2365132

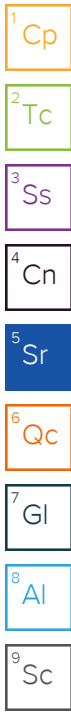
Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.71		1.00	5	09/15/2024 17:59	WG2362675
Barium	75.6		2.50	5	09/15/2024 17:59	WG2362675
Cadmium	ND		1.00	5	09/15/2024 17:59	WG2362675
Copper	12.0		5.00	5	09/15/2024 17:59	WG2362675
Lead	13.2		2.00	5	09/15/2024 17:59	WG2362675
Nickel	10.7		2.50	5	09/15/2024 17:59	WG2362675
Selenium	ND		2.50	5	09/15/2024 17:59	WG2362675
Silver	ND		0.500	5	09/15/2024 17:59	WG2362675
Zinc	45.9		25.0	5	09/15/2024 17:59	WG2362675



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.317		1	09/19/2024 01:36	WG2365123



Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/17/2024 01:22	WG2363335

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.07	<u>T8</u>	1	09/20/2024 11:54	WG2365506

Sample Narrative:

L1777384-03 WG2365506: 8.07 at 21.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	265	umhos/cm		10.0	1	09/21/2024 14:57	WG2365519

Sample Narrative:

L1777384-03 WG2365519: at 25C

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

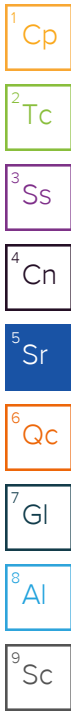
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.211		0.200	1	09/19/2024 00:52	WG2365132

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.01		1.00	5	09/15/2024 18:02	WG2362675
Barium	62.2		2.50	5	09/15/2024 18:02	WG2362675
Cadmium	ND		1.00	5	09/15/2024 18:02	WG2362675
Copper	11.5		5.00	5	09/15/2024 18:02	WG2362675
Lead	12.1		2.00	5	09/15/2024 18:02	WG2362675
Nickel	9.71		2.50	5	09/15/2024 18:02	WG2362675
Selenium	ND		2.50	5	09/15/2024 18:02	WG2362675
Silver	ND		0.500	5	09/15/2024 18:02	WG2362675
Zinc	42.8		25.0	5	09/15/2024 18:02	WG2362675

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.514		1	09/19/2024 01:38	WG2365123



Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/17/2024 01:28	WG2363335

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.28	<u>T8</u>	1	09/20/2024 11:54	WG2365506

Sample Narrative:

L1777384-04 WG2365506: 8.28 at 21.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	393	umhos/cm		10.0	1	09/21/2024 14:57	WG2365519

Sample Narrative:

L1777384-04 WG2365519: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.200	1	09/19/2024 00:55	WG2365132

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.01		1.00	5	09/15/2024 18:05	WG2362675
Barium	47.8		2.50	5	09/15/2024 18:05	WG2362675
Cadmium	ND		1.00	5	09/15/2024 18:05	WG2362675
Copper	13.0		5.00	5	09/15/2024 18:05	WG2362675
Lead	15.5		2.00	5	09/15/2024 18:05	WG2362675
Nickel	11.5		2.50	5	09/15/2024 18:05	WG2362675
Selenium	ND		2.50	5	09/15/2024 18:05	WG2362675
Silver	ND		0.500	5	09/15/2024 18:05	WG2362675
Zinc	52.6		25.0	5	09/15/2024 18:05	WG2362675

Method Blank (MB)

(MB) R4120510-1 09/16/24 22:39

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.255	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1776998-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1776998-21 09/16/24 23:05 • (DUP) R4120510-2 09/16/24 23:12

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

L1777439-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1777439-07 09/17/24 01:52 • (DUP) R4120510-8 09/17/24 01:59

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4120510-7 09/17/24 00:51

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10.0	10.6	106	80.0-120	

L1777232-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1777232-02 09/16/24 23:55 • (MS) R4120510-3 09/17/24 00:01 • (MSD) R4120510-4 09/17/24 00:07

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	20.0	ND	20.9	21.2	104	106	1	75.0-125			1.66	20

L1777232-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1777232-02 09/16/24 23:55 • (MS) R4120510-5 09/17/24 00:13

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	654	ND	664	101	50	75.0-125	

L1776517-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1776517-11 09/20/24 11:54 • (DUP) R4122407-2 09/20/24 11:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su			%		%
pH	7.77	7.80	1	0.385		1

Sample Narrative:

OS: 7.77 at 22.9C

DUP: 7.8 at 22.9C

L1777384-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1777384-04 09/20/24 11:54 • (DUP) R4122407-3 09/20/24 11:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
su	su			%		%
pH	8.28	8.23	1	0.606		1

Sample Narrative:

OS: 8.28 at 21.4C

DUP: 8.23 at 21.3C

Laboratory Control Sample (LCS)

(LCS) R4122407-1 09/20/24 11:54

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
su	su		%	%	
pH	10.0	9.98	99.8	99.0-101	

Sample Narrative:

LCS: 9.98 at 21.9C

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4122760-1 09/21/24 14:57

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

L1775477-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1775477-01 09/21/24 14:57 • (DUP) R4122760-3 09/21/24 14:57

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Specific Conductance	449	442	1	1.57		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1777384-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1777384-03 09/21/24 14:57 • (DUP) R4122760-4 09/21/24 14:57

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Specific Conductance	265	261	1	1.33		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4122760-2 09/21/24 14:57

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	733	725	98.9	85.0-115	

Sample Narrative:

LCS: at 25C

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4121518-1 09/19/24 00:22

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) R4121518-2 09/19/24 00:24 • (LCSD) R4121518-3 09/19/24 00:26

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	1.03	1.03	103	103	80.0-120			0.623	20

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Sr
- ⁶Qc
- ⁷Gl
- ⁸Al
- ⁹Sc

Method Blank (MB)

(MB) R4120032-1 09/15/24 17:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	1.00
Barium	U		0.152	2.50
Cadmium	U		0.0855	1.00
Copper	0.156	U	0.133	5.00
Lead	U		0.0990	2.00
Nickel	U		0.197	2.50
Selenium	U		0.180	2.50
Silver	U		0.0865	0.500
Zinc	U		0.740	25.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample (LCS)

(LCS) R4120032-2 09/15/24 17:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	101	101	80.0-120	
Barium	100	100	100	80.0-120	
Cadmium	100	103	103	80.0-120	
Copper	100	101	101	80.0-120	
Lead	100	100	100	80.0-120	
Nickel	100	105	105	80.0-120	
Selenium	100	98.6	98.6	80.0-120	
Silver	20.0	20.6	103	80.0-120	
Zinc	100	101	101	80.0-120	

⁷Gl

⁸Al

⁹Sc

L1777422-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1777422-01 09/15/24 17:12 • (MS) R4120032-5 09/15/24 17:22 • (MSD) R4120032-6 09/15/24 17:25

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	2.97	95.1	95.6	92.1	92.6	5	75.0-125			0.547	20
Barium	100	61.8	176	172	114	110	5	75.0-125			2.49	20
Cadmium	100	ND	92.8	92.7	92.5	92.5	5	75.0-125			0.0586	20
Copper	100	5.44	95.4	93.0	90.0	87.6	5	75.0-125			2.58	20
Lead	100	6.30	98.5	98.9	92.2	92.6	5	75.0-125			0.457	20
Nickel	100	5.26	97.6	98.3	92.4	93.0	5	75.0-125			0.667	20
Selenium	100	ND	88.1	90.0	87.5	89.5	5	75.0-125			2.21	20
Silver	20.0	ND	19.0	19.1	95.0	95.6	5	75.0-125			0.623	20
Zinc	100	ND	116	115	92.5	91.2	5	75.0-125			1.09	20

GLOSSARY OF TERMS

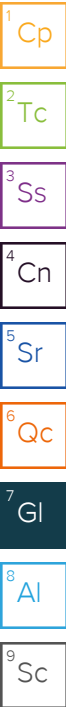
Guide to Reading and Understanding Your Laboratory Report

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.
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.
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.
T8	Sample(s) received past/too close to holding time expiration.



ACCREDITATIONS & LOCATIONS

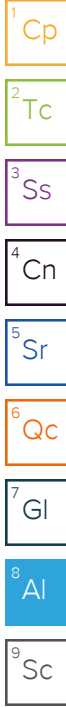
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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 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.



Entrada Consulting Group
330 Grand Avenue, Unit C
Grand Junction, CO 81503

Billing Information:

Same as left

Pres
 Chk

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



Report to:
Tim Dobransky

Email To:
tdobransky@entradainc.com

Project Description:
Wilson Creek Unit 2 Backgrounds

City/State Collected:
CO

Phone: **1-970-270-2986**
 Fax:

Client Project #

Lab Project #

Collected by (print):
T. Dobransky

Site/Facility ID #

P.O. #

Collected by (signature):
T. Dobransky

Rush? (Lab MUST Be Notified)

Quote #

Date Results Needed

Immediately Packed on Ice N ___ Y **X**

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

No. of
 Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Table 915 VOCs	Table 915 PAHs	Table 915 Metals	Hot Water Soluble Boron	Soil TPH Table 915 (GRO/DRO/ORO)	SAR/EC/pH	Table 915 BTEX, TMBS
Unit 2 BG1 (5')	Grab	SS	5'	9/11/24	1135	3			X	X		X	
Unit 2 BG1 (8')	Grab	SS	8'	9/11/24	1140	3			X	X		X	
Unit 2 BG1 (11')	Grab	SS	11'	9/11/24	1145	3			X	X		X	
Unit 2 BG1 (13')	Grab	SS	13'	9/11/24	1150	3			X	X		X	

L# **6177324**
K232

Acctnum:
 Template:
 Prelogin:
 TSR:
 PB:
 Shipped Via:

Remarks Sample # (lab only)

01
 02
 03
 04

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

Remarks:
Rush Please

pH ___ Temp ___
 Flow ___ Other ___

Samples returned via:
 ___ UPS ___ FedEx ___ Courier ___

Tracking #

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

Received by (Signature) Trip Blank Received: Yes / No
 HCL / MeOH
 TBR

Received by (Signature) Temp: °C Bottles Received: 12

Received for lab by (Signature) Date: 9/13/24 Time: 9:00

If preservation required by Login: Date/Time

Hold: Condition: NCF / **OK**

Relinquished by: (Signature) Date: 9/12/24 Time: 1045

Relinquished by: (Signature) Date: 9/12/24 Time: 1115

Relinquished by: (Signature) Date: Time:

