ANALYTICAL REPORT

November 08, 2024

Pace Analytical Services, LLC
2025.05.23 13:00:36 -05'00'
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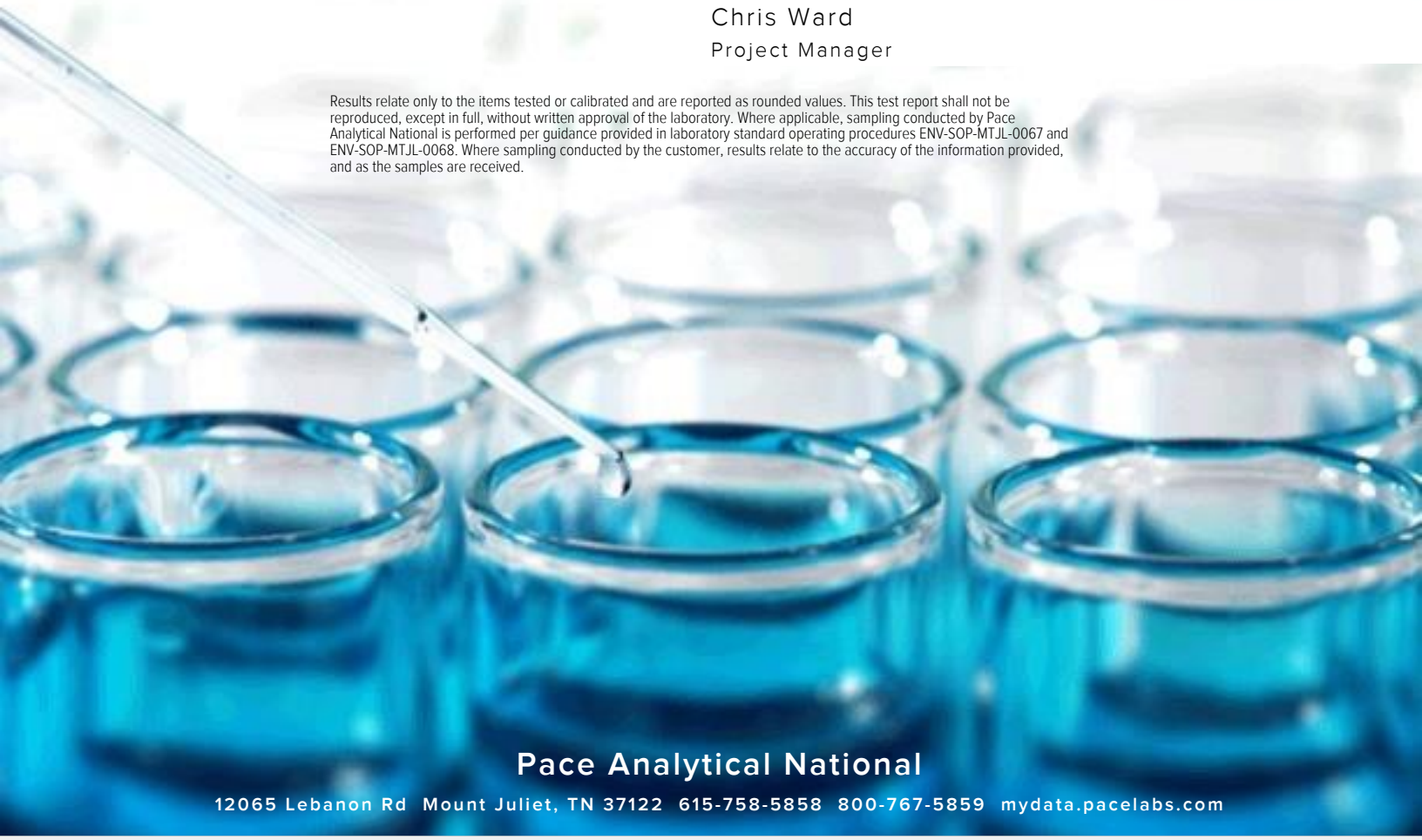
Entrada Consulting Group

Sample Delivery Group:	L1794660
Samples Received:	11/01/2024
Project Number:	
Description:	Wilson Creek Unit 2

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

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

UNIT 2 FL (3') L1794660-01 Solid

Collected by: B. Abeyta
Collected date/time: 10/31/24 09:45
Received date/time: 11/01/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2395822	1	11/06/24 12:32	11/06/24 12:32	DJS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2394622	1	11/04/24 07:43	11/04/24 14:21	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2396410	1	11/06/24 09:38	11/06/24 15:46	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2396416	1	11/06/24 09:40	11/06/24 15:51	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2395827	1	11/07/24 18:23	11/07/24 22:56	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2394185	5	11/04/24 23:03	11/05/24 14:40	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2396015	1	11/05/24 11:13	11/06/24 02:53	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2397345	1	11/05/24 11:13	11/07/24 12:28	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2395379	1	11/05/24 06:44	11/05/24 17:53	AUU	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2395438	1	11/05/24 07:44	11/05/24 18:53	AMM	Mt. Juliet, TN

CASE NARRATIVE

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

Chris Ward
Project Manager

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.308		1	11/06/2024 12:32	WG2395822

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	11/04/2024 14:21	WG2394622

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.79	T8	1	11/06/2024 15:46	WG2396410

Sample Narrative:

L1794660-01 WG2396410: 7.79 at 21.9C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	361	umhos/cm		10.0	1	11/06/2024 15:51	WG2396416

Sample Narrative:

L1794660-01 WG2396416: 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	0.308		0.200	1	11/07/2024 22:56	WG2395827

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.71		1.00	5	11/05/2024 14:40	WG2394185
Barium	80.3		2.50	5	11/05/2024 14:40	WG2394185
Cadmium	ND		1.00	5	11/05/2024 14:40	WG2394185
Copper	14.0		5.00	5	11/05/2024 14:40	WG2394185
Lead	14.5		2.00	5	11/05/2024 14:40	WG2394185
Nickel	12.7		2.50	5	11/05/2024 14:40	WG2394185
Selenium	ND		2.50	5	11/05/2024 14:40	WG2394185
Silver	ND		0.500	5	11/05/2024 14:40	WG2394185
Zinc	54.4		25.0	5	11/05/2024 14:40	WG2394185

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	11/06/2024 02:53	WG2396015
(S) a,a,a-Trifluorotoluene(FID)	*99.4*		*77.0-120*		*11/06/2024 02:53*	WG2396015

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

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	11/07/2024 12:28	WG2397345
Toluene	ND		0.00500	1	11/07/2024 12:28	WG2397345
Ethylbenzene	ND		0.00250	1	11/07/2024 12:28	WG2397345
Xylenes, Total	ND		0.00650	1	11/07/2024 12:28	WG2397345
1,2,4-Trimethylbenzene	ND		0.00500	1	11/07/2024 12:28	WG2397345
1,3,5-Trimethylbenzene	ND		0.00500	1	11/07/2024 12:28	WG2397345
(S) Toluene-d8	*98.8*		*75.0-131*		*11/07/2024 12:28*	WG2397345
(S) 4-Bromofluorobenzene	*94.4*		*67.0-138*		*11/07/2024 12:28*	WG2397345
(S) 1,2-Dichloroethane-d4	*83.4*		*70.0-130*		*11/07/2024 12:28*	WG2397345

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.00	1	11/05/2024 17:53	WG2395379
C28-C36 Motor Oil Range	6.53		4.00	1	11/05/2024 17:53	WG2395379
(S) o-Terphenyl	*55.7*		*18.0-148*		*11/05/2024 17:53*	WG2395379

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.00600	1	11/05/2024 18:53	WG2395438
Anthracene	ND		0.00600	1	11/05/2024 18:53	WG2395438
Benzo(a)anthracene	ND		0.00600	1	11/05/2024 18:53	WG2395438
Benzo(b)fluoranthene	ND		0.00600	1	11/05/2024 18:53	WG2395438
Benzo(k)fluoranthene	ND		0.00600	1	11/05/2024 18:53	WG2395438
Benzo(a)pyrene	ND		0.00600	1	11/05/2024 18:53	WG2395438
Chrysene	ND		0.00600	1	11/05/2024 18:53	WG2395438
Dibenz(a,h)anthracene	ND		0.00600	1	11/05/2024 18:53	WG2395438
Fluoranthene	ND		0.00600	1	11/05/2024 18:53	WG2395438
Fluorene	ND		0.00600	1	11/05/2024 18:53	WG2395438
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	11/05/2024 18:53	WG2395438
1-Methylnaphthalene	ND		0.0200	1	11/05/2024 18:53	WG2395438
2-Methylnaphthalene	ND		0.0200	1	11/05/2024 18:53	WG2395438
Naphthalene	ND		0.0200	1	11/05/2024 18:53	WG2395438
Pyrene	ND		0.00600	1	11/05/2024 18:53	WG2395438
(S) p-Terphenyl-d14	*121*	J1	*23.0-120*		*11/05/2024 18:53*	WG2395438
(S) Nitrobenzene-d5	*111*		*14.0-149*		*11/05/2024 18:53*	WG2395438
(S) 2-Fluorobiphenyl	*118*		*34.0-125*		*11/05/2024 18:53*	WG2395438

Method Blank (MB)

(MB) R4141838-1 11/04/24 14:07

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

L1794674-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1794674-02 11/04/24 14:34 • (DUP) R4141838-3 11/04/24 14:40

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	24.6	P1	20

L1794800-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1794800-01 11/04/24 16:50 • (DUP) R4141838-8 11/04/24 16:56

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

Laboratory Control Sample (LCS)

(LCS) R4141838-2 11/04/24 14:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	9.99	99.9	80.0-120	

L1794674-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1794674-05 11/04/24 14:59 • (MS) R4141838-4 11/04/24 15:05 • (MSD) R4141838-5 11/04/24 15:23

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 %
Hexavalent Chromium	20.0	ND	18.1	17.0	88.8	82.9	1	75.0-125			6.71	20

L1794674-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1794674-05 11/04/24 14:59 • (MS) R4141838-6 11/04/24 15:29

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	651	ND	595	91.4	50	75.0-125	

L1794660-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1794660-01 11/06/24 15:46 • (DUP) R4142867-2 11/06/24 15:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.79	7.79	1	0.000		1

Sample Narrative:

OS: 7.79 at 21.9C

DUP: 7.79 at 22.1C

Laboratory Control Sample (LCS)

(LCS) R4142867-1 11/06/24 15:46

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

Sample Narrative:

LCS: 9.99 at 21.8C

Method Blank (MB)

(MB) R4142865-1 11/06/24 15:51

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

L1794660-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1794660-01 11/06/24 15:51 • (DUP) R4142865-3 11/06/24 15:51

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	361	362	1	0.277		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4142865-2 11/06/24 15:51

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	733	740	101	85.0-115	

Sample Narrative:

LCS: at 25C

QUALITY CONTROL SUMMARY

L1794660-01

Method Blank (MB)

(MB) R4143489-1 11/07/24 22:30

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) R4143489-2 11/07/24 22:31 • (LCSD) R4143489-3 11/07/24 22:33

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	0.993	1.01	99.3	101	80.0-120			1.57	20

Method Blank (MB)

(MB) R4142219-1 11/05/24 14:14

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	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

Laboratory Control Sample (LCS)

(LCS) R4142219-2 11/05/24 14:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	101	101	80.0-120	
Barium	100	99.5	99.5	80.0-120	
Cadmium	100	103	103	80.0-120	
Copper	100	102	102	80.0-120	
Lead	100	98.3	98.3	80.0-120	
Nickel	100	104	104	80.0-120	
Selenium	100	98.6	98.6	80.0-120	
Silver	20.0	19.8	98.8	80.0-120	
Zinc	100	101	101	80.0-120	

L1794420-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1794420-21 11/05/24 14:20 • (MS) R4142219-5 11/05/24 14:30 • (MSD) R4142219-6 11/05/24 14:34

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	99.9	257	215	211	0.000	0.000	5	75.0-125	J6	J6	1.77	20
Barium	99.9	56.3	159	155	103	98.8	5	75.0-125			2.40	20
Cadmium	99.9	ND	101	99.0	101	98.8	5	75.0-125			2.41	20
Copper	99.9	15.4	117	114	101	98.6	5	75.0-125			2.47	20
Lead	99.9	8.69	104	102	95.2	93.2	5	75.0-125			1.92	20
Nickel	99.9	6.17	109	107	103	100	5	75.0-125			2.54	20
Selenium	99.9	ND	98.6	98.5	98.3	98.2	5	75.0-125			0.158	20
Silver	20.0	ND	19.7	19.4	98.4	96.8	5	75.0-125			1.56	20
Zinc	99.9	56.9	156	154	98.8	97.6	5	75.0-125			0.786	20

Method Blank (MB)

(MB) R4142533-3 11/05/24 22:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4142533-2 11/05/24 21:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.25	105	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*77.0-120*	

Method Blank (MB)

(MB) R4143725-2 11/07/24 09:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Toluene	0.00197	J	0.00130	0.00500
Ethylbenzene	U		0.000737	0.00250
Xylenes, Total	0.00230	J	0.000880	0.00650
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
(S) Toluene-d8	*99.7*			*75.0-131*
(S) 4-Bromofluorobenzene	*95.2*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*85.0*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4143725-1 11/07/24 08:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.115	92.0	70.0-123	
Toluene	0.125	0.122	97.6	75.0-121	
Ethylbenzene	0.125	0.120	96.0	74.0-126	
Xylenes, Total	0.375	0.359	95.7	72.0-127	
1,2,4-Trimethylbenzene	0.125	0.0998	79.8	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.106	84.8	73.0-127	
(S) Toluene-d8			*99.1*	*75.0-131*	
(S) 4-Bromofluorobenzene			*94.2*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*95.8*	*70.0-130*	

Method Blank (MB)

(MB) R4142320-1 11/05/24 13:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	*61.1*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4142320-2 11/05/24 13:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	34.6	69.2	50.0-150	
(S) o-Terphenyl			*75.1*	*18.0-148*	

Method Blank (MB)

(MB) R4143755-2 11/05/24 18:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00209	0.00600
Anthracene	U		0.00230	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
Naphthalene	U		0.00408	0.0200
Pyrene	U		0.00200	0.00600
(S) p-Terphenyl-d14	*127*	J1		*23.0-120*
(S) Nitrobenzene-d5	*116*			*14.0-149*
(S) 2-Fluorobiphenyl	*121*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4143755-1 11/05/24 18:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0711	88.9	50.0-120	
Anthracene	0.0800	0.0799	99.9	50.0-126	
Benzo(a)anthracene	0.0800	0.0801	100	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0739	92.4	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0712	89.0	49.0-125	
Benzo(a)pyrene	0.0800	0.0652	81.5	42.0-120	
Chrysene	0.0800	0.0805	101	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0731	91.4	47.0-125	
Fluoranthene	0.0800	0.0813	102	49.0-129	
Fluorene	0.0800	0.0787	98.4	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0741	92.6	46.0-125	
1-Methylnaphthalene	0.0800	0.0794	99.3	51.0-121	
2-Methylnaphthalene	0.0800	0.0770	96.3	50.0-120	
Naphthalene	0.0800	0.0764	95.5	50.0-120	
Pyrene	0.0800	0.0775	96.9	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4143755-1 11/05/24 18:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			*129*	*23.0-120*	J1
(S) Nitrobenzene-d5			*122*	*14.0-149*	
(S) 2-Fluorobiphenyl			*126*	*34.0-125*	J1

L1794382-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1794382-03 11/05/24 19:28 • (MS) R4143755-3 11/05/24 19:46 • (MSD) R4143755-4 11/05/24 20:03

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 %
Acenaphthene	0.0772	ND	0.0593	0.0601	76.8	77.4	1	14.0-127			1.34	27
Anthracene	0.0772	ND	0.0649	0.0653	84.1	84.1	1	10.0-145			0.614	30
Benzo(a)anthracene	0.0772	ND	0.0666	0.0669	86.3	86.2	1	10.0-139			0.449	30
Benzo(b)fluoranthene	0.0772	ND	0.0624	0.0623	80.8	80.3	1	10.0-140			0.160	36
Benzo(k)fluoranthene	0.0772	ND	0.0591	0.0590	76.6	76.0	1	10.0-137			0.169	31
Benzo(a)pyrene	0.0772	ND	0.0608	0.0609	78.8	78.5	1	10.0-141			0.164	31
Chrysene	0.0772	ND	0.0666	0.0678	86.3	87.4	1	10.0-145			1.79	30
Dibenz(a,h)anthracene	0.0772	ND	0.0603	0.0611	78.1	78.7	1	10.0-132			1.32	31
Fluoranthene	0.0772	ND	0.0656	0.0669	85.0	86.2	1	10.0-153			1.96	33
Fluorene	0.0772	ND	0.0649	0.0656	84.1	84.5	1	11.0-130			1.07	29
Indeno(1,2,3-cd)pyrene	0.0772	ND	0.0597	0.0594	77.3	76.5	1	10.0-137			0.504	32
1-Methylnaphthalene	0.0772	ND	0.0655	0.0651	84.8	83.9	1	10.0-142			0.613	28
2-Methylnaphthalene	0.0772	ND	0.0633	0.0634	82.0	81.7	1	10.0-137			0.158	28
Naphthalene	0.0772	ND	0.0632	0.0636	81.9	82.0	1	10.0-135			0.631	27
Pyrene	0.0772	ND	0.0644	0.0646	83.4	83.2	1	10.0-148			0.310	35
(S) p-Terphenyl-d14					*111*	*112*		*23.0-120*				
(S) Nitrobenzene-d5					*106*	*107*		*14.0-149*				
(S) 2-Fluorobiphenyl					*111*	*113*		*34.0-125*				

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.
(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
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.

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	LAO000356
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**

Report to: **Tim Dobransky**

Email To: **tdobransky@entradainc.com**

Project Description: **Wilson Creek Unit 2**

City/State Collected: **CO**

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

Client Project #

Lab Project #

Collected by (print): **B. Abeyta**

Site/Facility ID #

P.O. #

Collected by (signature): **B. Abeyta**
Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TABLE 915 GRO/DRO/ORO	TABLE 915 Metals	TABLE 915 VOCs	TABLE 915 pH, SPCON, SAR	TABLE 915 PAHs
Unit 2 FL (3')	Grab	SS	3'	10/31/24	0945	4	X	X	X	X	X

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1794660
J243

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

Remarks | Sample # (lab only)
-01

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 7315 3202 6497

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)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
BA	10/31/2024	1400		
Relinquished by: (Signature)	Date: 10/31/24	Time: 1500	Received by: (Signature)	Temp: 3.6 °C Bottles Received: 4
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/1/24 Time: 900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK