

**HRL Compliance Solutions- CO**

Sample Delivery Group: L1501804  
Samples Received: 06/07/2022  
Project Number: WELL HEAD LEAK  
Description: Vision Energy-Baldy Creek Fed 2/20  
Site: BALDY CREEK FED 2/20  
Report To: Kris Rowe  
2385 F ½ Road  
Grand Junction, CO 81505

Entire Report Reviewed By:

**[Preliminary Report]**

Chris Ward  
Project Manager

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

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<sup>2</sup> Tc
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<sup>4</sup> Cn
<sup>5</sup> Sr
<sup>6</sup> Gl
<sup>7</sup> Al
<sup>8</sup> Sc

# SAMPLE SUMMARY

## WELLHEAD L1501804-01 Solid

Collected by  
Kris Rowe

Collected date/time  
06/03/22 11:00

Received date/time  
06/07/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1876003	1	06/14/22 01:09	06/14/22 01:09	CCE	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG1875924	1	06/09/22 17:00	06/10/22 14:48	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1878272	1	06/12/22 15:20	06/14/22 10:10	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1876406	1	06/08/22 14:33	06/08/22 17:09	ARD	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1876237	1	06/08/22 17:05	06/09/22 11:06	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG1876002	1	06/12/22 18:54	06/14/22 16:39	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1883209	5	06/21/22 21:03	06/22/22 17:57	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1875739	1	06/07/22 14:07	06/08/22 00:21	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1875887	1	06/07/22 14:07	06/08/22 04:48	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1876953	1	06/09/22 17:03	06/10/22 04:36	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1876957	1	06/10/22 04:01	06/10/22 17:11	AGW	Mt. Juliet, TN



## SP 1 L1501804-02 Solid

Collected by  
Kris Rowe

Collected date/time  
06/03/22 11:15

Received date/time  
06/07/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1876003	1	06/14/22 01:11	06/14/22 01:11	CCE	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1878272	1	06/12/22 15:20	06/14/22 10:10	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1876406	1	06/08/22 14:33	06/08/22 17:09	ARD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1875882	200	06/07/22 14:07	06/07/22 21:14	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1876580	1	06/07/22 14:07	06/09/22 02:27	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1876953	1	06/09/22 17:03	06/10/22 04:49	JAS	Mt. Juliet, TN

## SP 2 L1501804-03 Solid

Collected by  
Kris Rowe

Collected date/time  
06/03/22 11:30

Received date/time  
06/07/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1876003	1	06/14/22 01:14	06/14/22 01:14	CCE	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1878272	1	06/12/22 15:20	06/14/22 10:10	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1876406	1	06/08/22 14:33	06/08/22 17:09	ARD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1875739	1	06/07/22 14:07	06/08/22 00:43	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1875887	1	06/07/22 14:07	06/08/22 05:07	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1876953	1	06/09/22 17:03	06/10/22 05:02	JAS	Mt. Juliet, TN

## PAD WATER L1501804-04 GW

Collected by  
Kris Rowe

Collected date/time  
06/03/22 12:00

Received date/time  
06/07/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1876153	1	06/08/22 10:08	06/08/22 12:28	SJF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1876585	1	06/09/22 14:29	06/09/22 14:29	ADM	Mt. Juliet, TN

## DIVERSION DITCH WATER-UG L1501804-05 GW

Collected by  
Kris Rowe

Collected date/time  
06/03/22 12:00

Received date/time  
06/07/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1876153	1	06/08/22 10:08	06/08/22 12:28	SJF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1876585	1	06/09/22 14:50	06/09/22 14:50	ADM	Mt. Juliet, TN

# SAMPLE SUMMARY

## BKGD 1 L1501804-06 Solid

Collected by  
Kris Rowe

Collected date/time  
06/03/22 12:40

Received date/time  
06/07/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1876003	1	06/14/22 01:17	06/14/22 01:17	CCE	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1878262	1	06/12/22 14:38	06/13/22 10:46	NIJ	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1876406	1	06/08/22 14:33	06/08/22 17:09	ARD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1876173	5	06/08/22 15:26	06/09/22 00:03	SJM	Mt. Juliet, TN

## BKGD 2 L1501804-07 Solid

Collected by  
Kris Rowe

Collected date/time  
06/03/22 12:50

Received date/time  
06/07/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1876003	1	06/14/22 01:44	06/14/22 01:44	CCE	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1878989	1	06/14/22 13:10	06/14/22 13:30	NIJ	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG1876406	1	06/08/22 14:33	06/08/22 17:09	ARD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG1876173	5	06/08/22 15:26	06/09/22 00:56	SJM	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.

## [Preliminary Report]

Chris Ward  
Project Manager



## Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.99		1	06/14/2022 01:09	WG1876003

## Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	06/10/2022 14:48	WG1875924

## Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.58	T8	1	06/14/2022 10:10	WG1878272

## Sample Narrative:

L1501804-01 WG1878272: 7.58 at 23.6C

## Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	303		10.0	1	06/08/2022 17:09	WG1876406

## Sample Narrative:

L1501804-01 WG1876406: at 25C

## Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Barium	229		0.0852	0.500	1	06/09/2022 11:06	WG1876237
Cadmium	0.495	J	0.0471	0.500	1	06/09/2022 11:06	WG1876237
Copper	12.1		0.400	2.00	1	06/09/2022 11:06	WG1876237
Lead	17.6		0.208	0.500	1	06/09/2022 11:06	WG1876237
Nickel	20.4		0.132	2.00	1	06/09/2022 11:06	WG1876237
Selenium	U		0.764	2.00	1	06/09/2022 11:06	WG1876237
Silver	U		0.127	1.00	1	06/09/2022 11:06	WG1876237
Zinc	86.6		0.832	5.00	1	06/09/2022 11:06	WG1876237

## 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	0.565		0.0167	0.200	1	06/14/2022 16:39	WG1876002

## Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.70		0.100	1.00	5	06/22/2022 17:57	WG1883209

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	06/08/2022 00:21	WG1875739
(S) a,a,a-Trifluorotoluene(FID)	110			77.0-120		06/08/2022 00:21	WG1875739

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Gl

7 Al

8 Sc

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	06/08/2022 04:48	WG1875887
Toluene	U		0.00130	0.00500	1	06/08/2022 04:48	WG1875887
Ethylbenzene	U		0.000737	0.00250	1	06/08/2022 04:48	WG1875887
Xylenes, Total	U		0.000880	0.00650	1	06/08/2022 04:48	WG1875887
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	06/08/2022 04:48	WG1875887
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	06/08/2022 04:48	WG1875887
(S) Toluene-d8	105			75.0-131		06/08/2022 04:48	WG1875887
(S) 4-Bromofluorobenzene	101			67.0-138		06/08/2022 04:48	WG1875887
(S) 1,2-Dichloroethane-d4	91.5			70.0-130		06/08/2022 04:48	WG1875887

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	23.7		1.61	4.00	1	06/10/2022 04:36	WG1876953
C28-C36 Motor Oil Range	32.2		0.274	4.00	1	06/10/2022 04:36	WG1876953
(S) o-Terphenyl	54.5			18.0-148		06/10/2022 04:36	WG1876953

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00230	0.00600	1	06/10/2022 17:11	WG1876957
Acenaphthene	U		0.00209	0.00600	1	06/10/2022 17:11	WG1876957
Acenaphthylene	U		0.00216	0.00600	1	06/10/2022 17:11	WG1876957
Benzo(a)anthracene	U		0.00173	0.00600	1	06/10/2022 17:11	WG1876957
Benzo(a)pyrene	U		0.00179	0.00600	1	06/10/2022 17:11	WG1876957
Benzo(b)fluoranthene	U		0.00153	0.00600	1	06/10/2022 17:11	WG1876957
Benzo(g,h,i)perylene	U		0.00177	0.00600	1	06/10/2022 17:11	WG1876957
Benzo(k)fluoranthene	U		0.00215	0.00600	1	06/10/2022 17:11	WG1876957
Chrysene	U		0.00232	0.00600	1	06/10/2022 17:11	WG1876957
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	06/10/2022 17:11	WG1876957
Fluoranthene	U		0.00227	0.00600	1	06/10/2022 17:11	WG1876957
Fluorene	U		0.00205	0.00600	1	06/10/2022 17:11	WG1876957
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	06/10/2022 17:11	WG1876957
Naphthalene	U		0.00408	0.0200	1	06/10/2022 17:11	WG1876957
Phenanthrene	U		0.00231	0.00600	1	06/10/2022 17:11	WG1876957
Pyrene	U		0.00200	0.00600	1	06/10/2022 17:11	WG1876957
1-Methylnaphthalene	U		0.00449	0.0200	1	06/10/2022 17:11	WG1876957
2-Methylnaphthalene	U		0.00427	0.0200	1	06/10/2022 17:11	WG1876957
2-Chloronaphthalene	U		0.00466	0.0200	1	06/10/2022 17:11	WG1876957
(S) p-Terphenyl-d14	67.3			23.0-120		06/10/2022 17:11	WG1876957
(S) Nitrobenzene-d5	63.9			14.0-149		06/10/2022 17:11	WG1876957
(S) 2-Fluorobiphenyl	53.8			34.0-125		06/10/2022 17:11	WG1876957



## Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	10.3		1	06/14/2022 01:11	WG1876003

## Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	8.37	T8	1	06/14/2022 10:10	WG1878272

## Sample Narrative:

L1501804-02 WG1878272: 8.37 at 23.6C

## Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	umhos/cm		umhos/cm			
	718		10.0	1	06/08/2022 17:09	WG1876406

## Sample Narrative:

L1501804-02 WG1876406: at 25C

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	32.7		4.34	20.0	200	06/07/2022 21:14	WG1875882
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	98.3			77.0-120		06/07/2022 21:14	WG1875882

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Benzene	0.00535		0.000467	0.00100	1	06/09/2022 02:27	WG1876580
Toluene	0.0582		0.00130	0.00500	1	06/09/2022 02:27	WG1876580
Ethylbenzene	0.0156		0.000737	0.00250	1	06/09/2022 02:27	WG1876580
Xylenes, Total	0.156		0.000880	0.00650	1	06/09/2022 02:27	WG1876580
1,2,4-Trimethylbenzene	0.0917		0.00158	0.00500	1	06/09/2022 02:27	WG1876580
1,3,5-Trimethylbenzene	0.116		0.00200	0.00500	1	06/09/2022 02:27	WG1876580
(S) Toluene-d8	110			75.0-131		06/09/2022 02:27	WG1876580
(S) 4-Bromofluorobenzene	126			67.0-138		06/09/2022 02:27	WG1876580
(S) 1,2-Dichloroethane-d4	83.0			70.0-130		06/09/2022 02:27	WG1876580

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	115		1.61	4.00	1	06/10/2022 04:49	WG1876953
C28-C36 Motor Oil Range	44.4		0.274	4.00	1	06/10/2022 04:49	WG1876953
(S) <i>o</i> -Terphenyl	82.1			18.0-148		06/10/2022 04:49	WG1876953





## Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.320		1	06/14/2022 01:14	WG1876003

## Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.72	T8	1	06/14/2022 10:10	WG1878272

## Sample Narrative:

L1501804-03 WG1878272: 7.72 at 24C

## Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	umhos/cm		umhos/cm			
	370		10.0	1	06/08/2022 17:09	WG1876406

## Sample Narrative:

L1501804-03 WG1876406: at 25C

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	06/08/2022 00:43	WG1875739
(S) a,a,a-Trifluorotoluene(FID)	111			77.0-120		06/08/2022 00:43	WG1875739

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	06/08/2022 05:07	WG1875887
Toluene	U		0.00130	0.00500	1	06/08/2022 05:07	WG1875887
Ethylbenzene	U		0.000737	0.00250	1	06/08/2022 05:07	WG1875887
Xylenes, Total	U		0.000880	0.00650	1	06/08/2022 05:07	WG1875887
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	06/08/2022 05:07	WG1875887
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	06/08/2022 05:07	WG1875887
(S) Toluene-d8	106			75.0-131		06/08/2022 05:07	WG1875887
(S) 4-Bromofluorobenzene	104			67.0-138		06/08/2022 05:07	WG1875887
(S) 1,2-Dichloroethane-d4	90.6			70.0-130		06/08/2022 05:07	WG1875887

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	20.1		1.61	4.00	1	06/10/2022 05:02	WG1876953
C28-C36 Motor Oil Range	31.8		0.274	4.00	1	06/10/2022 05:02	WG1876953
(S) o-Terphenyl	63.8			18.0-148		06/10/2022 05:02	WG1876953



## PAD WATER

Collected date/time: 06/03/22 12:00

## SAMPLE RESULTS - 04

L1501804

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1050		20.0	1	06/08/2022 12:28	WG1876153

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.0554		0.0000941	0.00100	1	06/09/2022 14:29	WG1876585
Ethylbenzene	0.000477	J	0.000137	0.00100	1	06/09/2022 14:29	WG1876585
Naphthalene	U	J3	0.00100	0.00500	1	06/09/2022 14:29	WG1876585
Toluene	0.0248		0.000278	0.00100	1	06/09/2022 14:29	WG1876585
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/09/2022 14:29	WG1876585
1,3,5-Trimethylbenzene	0.000272	J	0.000104	0.00100	1	06/09/2022 14:29	WG1876585
Xylenes, Total	0.00291	J	0.000174	0.00300	1	06/09/2022 14:29	WG1876585
(S) Toluene-d8	103			80.0-120		06/09/2022 14:29	WG1876585
(S) 4-Bromofluorobenzene	98.6			77.0-126		06/09/2022 14:29	WG1876585
(S) 1,2-Dichloroethane-d4	130			70.0-130		06/09/2022 14:29	WG1876585



## DIVERSION DITCH WATER-UG

## SAMPLE RESULTS - 05

Collected date/time: 06/03/22 12:00

L1501804

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	220		10.0	1	06/08/2022 12:28	WG1876153

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	06/09/2022 14:50	WG1876585
Ethylbenzene	U		0.000137	0.00100	1	06/09/2022 14:50	WG1876585
Naphthalene	U	J3	0.00100	0.00500	1	06/09/2022 14:50	WG1876585
Toluene	U		0.000278	0.00100	1	06/09/2022 14:50	WG1876585
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	06/09/2022 14:50	WG1876585
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	06/09/2022 14:50	WG1876585
Xylenes, Total	U		0.000174	0.00300	1	06/09/2022 14:50	WG1876585
(S) Toluene-d8	106			80.0-120		06/09/2022 14:50	WG1876585
(S) 4-Bromofluorobenzene	95.3			77.0-126		06/09/2022 14:50	WG1876585
(S) 1,2-Dichloroethane-d4	128			70.0-130		06/09/2022 14:50	WG1876585



## Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.0969		1	06/14/2022 01:17	WG1876003

## Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.60	T8	1	06/13/2022 10:46	WG1878262

## Sample Narrative:

L1501804-06 WG1878262: 7.6 at 23.6C

## Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	umhos/cm		umhos/cm			
Specific Conductance	167		10.0	1	06/08/2022 17:09	WG1876406

## Sample Narrative:

L1501804-06 WG1876406: at 25C

## Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg	mg/kg			
Arsenic	3.49		0.100	1.00	5	06/09/2022 00:03	WG1876173



## Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.241		1	06/14/2022 01:44	WG1876003

## Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
pH	7.50	T8	1	06/14/2022 13:30	WG1878989

## Sample Narrative:

L1501804-07 WG1878989: 7.5 at 24.1C

## Wet Chemistry by Method 9050AMod

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	umhos/cm		umhos/cm			
Specific Conductance	164		10.0	1	06/08/2022 17:09	WG1876406

## Sample Narrative:

L1501804-07 WG1876406: at 25C

## Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg	mg/kg			
Arsenic	2.05		0.100	1.00	5	06/09/2022 00:56	WG1876173

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Gl

7 Al

8 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.
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.
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.
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.



<b>Client:</b> <b>HRL Compliance Solutions Inc.</b> <b>2385 F 1/2 RD</b> <b>Grand Junction, CO 81505</b>	<b>Billing Info:</b> <b>HRL Compliance Solutions - Attn Missy Derosé</b> <b>2385 F 1/2 Road</b> <b>Grand Junction, CO 81505</b>  <b>Quote #: HRLCSCO- 0420155</b>
<b>Report To:</b> <b>Kris Rowe</b>	<b>E-Mail:</b> <b>krowe@hrlcomp.com</b>

<b>Project Description:</b> <b>Vision Energy - Baldy Creek Fed 2-20</b>		<b>City/State Collected:</b> <b>COLORADO</b>
<b>Phone: 970-243-3271</b> <b>Fax: 970-243-4380</b>	<b>Client Project #:</b> <b>Well Head Leak</b>	<b>Lab Project #</b>
<b>Collected By:</b> <b>Kris Rowe</b>	<b>Site/Facility ID:</b> <b>Baldy Creek Fed 2-20</b>	<b>P.O. #</b>
<b>Collected By (Signature):</b> 	<b>Rush ? (lab must be notified)</b> Same Day----- (200%) <input checked="" type="checkbox"/> Next Day----- (100%) Two Day----- (50%) Three Day----- (25%)	<b>Date Results Needed</b> <b>See Comments</b> Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Fax? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes No. Of Cntrs

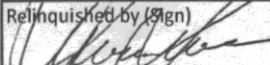
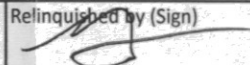
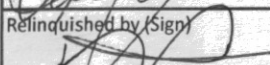
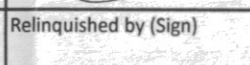
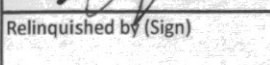
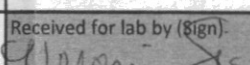
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. Of Cntrs
Wellhead	Grab	Soil	0-6"	6/3/2022	11:00	2
SP 1	Grab	Soil	0-6"	6/3/2022	11:15	1
SP 2	Grab	Soil	0-6"	6/3/2022	11:30	1
Pad Water	Grab	Water	0-6"	6/3/2022	12:00	10
Diversion Ditch Water - UG	Grab	Water	0-6"	6/3/2022	12:20	10
BKGD 1	Grab	Soil	0-6"	6/3/2022	12:40	1
BKGD 2	Grab	Soil	0-6"	6/3/2022	12:50	1

#### Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N IF Applicable  
 COC Signed/Accurate: ☒ Y ☐ N VOA Zero Headspace: ☒ Y ☐ N  
 Bottles arrive intact: ☒ Y ☐ N Pres. Correct/Check: ☒ Y ☐ N  
 Correct bottles used: ☒ Y ☐ N  
 Sufficient volume sent: ☒ Y ☐ N  
 RAD Screen <0.5 mB/hr: ☒ Y ☐ N

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

**Remarks: Rush hydrocarbon (DRO/GRO/BTEX/TMB) for all soil**  
**STD 5 day turn on remaing soil analysis and STD 5 day on water analysis**

<b>Relinquished by (Sign)</b> 	<b>Date:</b> <b>6/6/22</b>	<b>Time:</b> <b>1600</b>	<b>Relinquished by (Sign)</b> 	<b>Samples Returned Via</b> <input type="checkbox"/> UPS <input type="checkbox"/> FedEx	<b>Hold #</b>
<b>Relinquished by (Sign)</b> 	<b>Date:</b> <b>6/6/22</b>	<b>Time:</b> <b>1730</b>	<b>Relinquished by (Sign)</b> 	<b>Temp:</b> <b>MMAT 5/10/20</b>	<b>Condition:</b> (Lab Use)
<b>Relinquished by (Sign)</b> 	<b>Date:</b>	<b>Time:</b>	<b>Received for lab by (Sign):</b> 	<b>Date:</b> <b>6/7/22</b>	<b>Time:</b> <b>0845</b>

#### Analysis / Container / Preservative

COGCC Table 915-1

DRO

GRO

BTEX / 1,2,4 trimethylbenzene / 1,3,5 trimethylbenzene

SAR / EC / pH

Arsenic

Page 1 of 1



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

**HRL**

<b>L#</b> <b>B150</b>
<b>Table</b>
<b>Acct #:</b>
<b>Template:</b>
<b>Prelogin:</b> <b>PM: 824 - Chris Ward</b> <b>PB:</b> <b>4501804</b>
<b>Shipped Via: FedEx Ground</b>

Rem/Contaminant	Sample #
	-01
	-02
	-03
	-04
	-05
	-06
	-07

Call or 6755 4004 9540