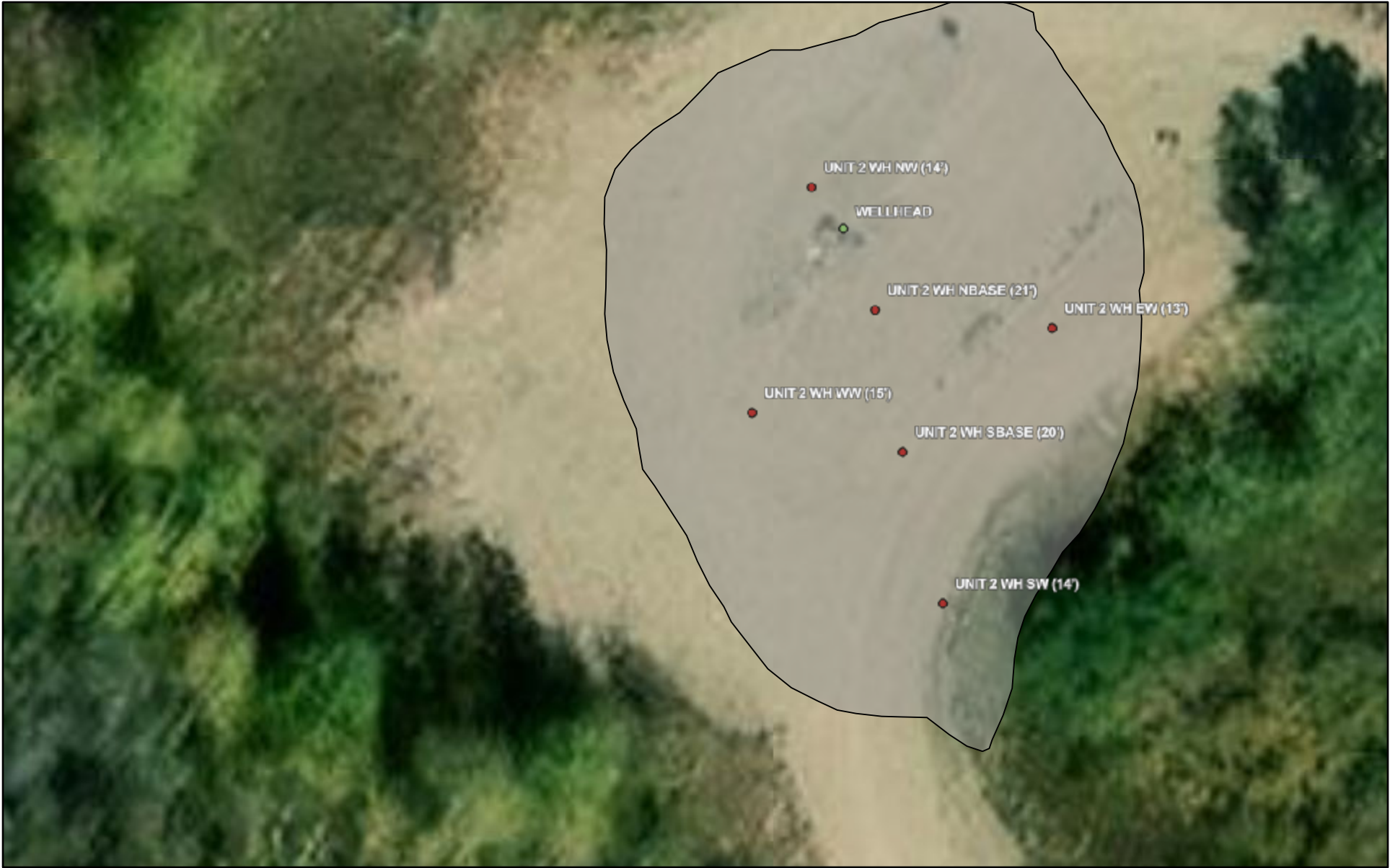


# Western Colorado Collector Map



10/1/2024

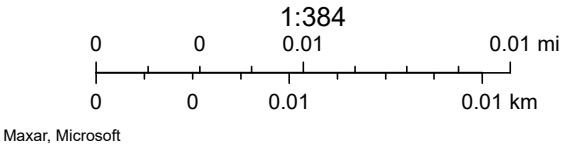


Table 1  
Wilson Creek Unit 2  
Wellhead Analytical Summary  
Chevron Environmental Management Company  
Rio Blanco County, Colorado

LABORATORY DATA SUMMARY										
Sample ID	UNIT 2 WH SBASE	UNIT 2 WH NBASE	UNIT 2 WH EW	UNIT 2 WH NW	UNIT 2 WH WW	UNIT 2 WH WW2	UNIT 2 WH SW	CECMC TABLE 915-1 CLEANUP CONCENTRATIONS		
Depth	20'	21'	15	14'	15'	15'	14'			
Sample Type	Excavation Base	Excavation Sidewall	Excavation Sidewall	Excavation Sidewall	Excavation Sidewall	Excavation Sidewall	Excavation Sidewall			
Sample Date	9/11/2024	9/11/2024	9/11/2024	9/11/2024	9/11/2024	9/11/2024	9/11/2024			
Analytical Parameters								Residential Soil Screening Level	Protection of Groundwater Screening Level	UNITS
TPH										
C6-C10 Gasoline Range	<0.100	<0.100	<0.100	<0.100	<0.100	NT	<0.100	500		mg/kg
C10-C28 Diesel Range	51.8	44.2	<4.0	118	6.25	NT	7.6			
C28-C36 Motor Oil Range	108	107	<4.0	181	5.17	NT	13.8			
Total TPH Combined	159.8	151.2	0	299.0	11.42	NT	21.4			
Volatile Organic Compounds										
1,2,4-Trimethylbenzene	<0.00500	<0.00505	<0.00500	<0.00500	<0.00500	NT	<0.00500	30	0.0081	mg/kg
1,3,5-Trimethylbenzene	<0.00500	<0.00505	<0.00500	<0.00500	<0.00500	NT	<0.00500	27	0.0087	mg/kg
Benzene	<0.00100	<0.00101	<0.00100	<0.00100	<0.00100	NT	<0.00100	1.2	0.0026	mg/kg
Toluene	<0.00500	<0.00505	<0.00500	<0.00500	<0.00500	NT	<0.00500	490	0.69	mg/kg
Ethylbenzene	<0.00250	<0.00253	<0.00250	<0.00250	<0.00250	NT	<0.00250	5.8	0.78	mg/kg
Total Xylene	<0.00650	<0.00656	<0.00650	<0.00650	<0.00650	NT	<0.00650	58	9.9	mg/kg
Metals										
Arsenic	5.35	3.86	3.65	1.67	2.62	NT	2.95	0.68	0.29	mg/kg
Barium	89.2	89.0	79.6	40	73.0	NT	72.2	15,000	82	mg/kg
Cadmium	<1.00	<1.00	<1.00	<1.00	<1.00	NT	<1.00	71	0.38	mg/kg
Chromium, Hexavalent	<1.00	<1.00	<1.00	<1.00	<1.00	NT	<1.00	0.3	0.00067	mg/kg
Copper	17.7	14.2	9.49	6.55	10.7	NT	10.1	3,100	46	mg/kg
Lead	23.7	19.1	11.6	6.75	9.81	NT	10.4	400	14	mg/kg
Nickel	12.8	11.3	10.4	9.74	10.8	NT	10.8	1,500	26	mg/kg
Selenium	<2.50	<2.50	<2.50	<0.250	<2.50	NT	<2.50	390	0.26	mg/kg
Silver	<0.500	<0.500	<0.500	<0.500	<0.500	NT	<0.500	390	0.8	mg/kg
Zinc	72.6	63.5	51	46.9	33.2	NT	47.3	23,000	370	mg/kg
Soil Suitability for Reclamation										
Sodium Adsorption Ratio (SAR)	2.71	3.20	0.582	0.530	0.281	NT	0.140	<6	<6	ratio
Electrical Conductivity (EC)	1.59	1.35	0.245	0.518	0.288	NT	0.166	<4	<4	mmhos/cm
pH	8.13	8.29	7.05	7.60	5.62		6.69	6 - 8.3	6 - 8.3	su
Boron, Hot Water Soluble	0.260	0.256	<1.00	0.297	0.340	NT	0.272	2	2	mg/kg
Polynuclear Aromatic Hyrdrocarbons										
1-Methylnaphthalene	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NT	<0.0200	18	0.006	mg/kg
2-Methylnaphthalene	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NT	<0.0200	24	0.019	mg/kg
Acenaphthene	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	NT	<0.00600	360	0.55	mg/kg
Anthracene	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	NT	<0.00600	1,800	5.8	mg/kg
Benzo(a)anthracene	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	NT	<0.00600	1.1	0.011	mg/kg
Benzo(a)pyrene	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	NT	<0.00600	0.11	0.24	mg/kg
Benzo(b)fluoranthene	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	NT	<0.00600	1.1	0.3	mg/kg
Benzo(k)fluoranthene	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	NT	<0.00600	11	2.9	mg/kg
Chrysene	<0.00600	<0.00600	<0.00600	<0.00600	0.00689	NT	<0.00600	110	9	mg/kg
Dibenzo(a,h)anthracene	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	NT	<0.00600	0.11	0.096	mg/kg
Fluoranthene	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	NT	<0.00600	240	8.9	mg/kg
Fluorene	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	NT	<0.00600	240	0.54	mg/kg
Indeno(1,2,3-cd)pyrene	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	NT	<0.00600	1.1	0.98	mg/kg
Naphthalene	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NT	<0.0200	2	0.0038	mg/kg
Pyrene	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	NT	<0.00600	180	1.3	mg/kg

Notes:  
mg/kg - milligrams per kilogram  
mmhos/cm - millimhos per centimeter  
su - standard units  
NT - parameter was not tested

Over CECMC Table 915-1 concentration levels but under BACKGROUND level.  
Over CECMC Table 915-1 concentration levels and not within BACKGROUND level.  
Over CECMC Table 915-1 concentration levels

Table 2  
Wilson Creek Unit 2  
Local Background Analytical Summary  
Chevron Environmental Management Company  
Rio Blanco County, Colorado

LABORATORY DATA SUMMARY							
Sample ID	UNIT 2 BG1	UNIT 2 BG1	UNIT 2 BG1	UNIT 2 BG1	CECMC TABLE 915-1 CLEANUP CONCENTRATIONS		
Depth	5'	8'	11'	13'			
Sample Type	Site Background	Site Background	Site Background	Site Background			
Sample Date	9/11/2024	9/11/2024	9/11/2024	9/11/2024			
Analytical Parameters					Residential Soil Screening Level	Protection of Groundwater Screening Level	UNITS
TPH							
C6-C10 Gasoline Range	NT	NT	NT	NT	500		mg/kg
C10-C28 Diesel Range	NT	NT	NT	NT			
C28-C36 Motor Oil Range	NT	NT	NT	NT			
Total TPH Combined	NT	NT	NT	NT			
Volatile Organic Compounds							
1,2,4-Trimethylbenzene	NT	NT	NT	NT	30	0.0081	mg/kg
1,3,5-Trimethylbenzene	NT	NT	NT	NT	27	0.0087	mg/kg
Benzene	NT	NT	NT	NT	1.2	0.0026	mg/kg
Toluene	NT	NT	NT	NT	490	0.69	mg/kg
Ethylbenzene	NT	NT	NT	NT	5.8	0.78	mg/kg
Total Xylene	NT	NT	NT	NT	58	9.9	mg/kg
Metals							
Arsenic	3.79	2.71	3.01	3.01	0.68	0.29	mg/kg
Barium	74.7	75.6	62.2	47.8	15,000	82	mg/kg
Cadmium	<1.00	<1.00	<1.00	<1.00	71	0.38	mg/kg
Chromium, Hexavalent	<1.00	<1.00	<1.00	<1.00	0.3	0.00067	mg/kg
Copper	13.1	12	11.5	13	3,100	46	mg/kg
Lead	13.6	13.2	12.1	15.5	400	14	mg/kg
Nickel	11.60	10.7	9.7	11.5	1,500	26	mg/kg
Selenium	<2.50	<2.50	<2.50	<2.50	390	0.26	mg/kg
Silver	<0.500	<0.500	<0.500	<0.500	390	0.8	mg/kg
Zinc	48.8	45.9	42.8	52.6	23,000	370	mg/kg
Soil Suitability for Reclamation							
Sodium Adsorption Ratio (SAR)	0.335	0.368	0.317	0.514	<6	<6	ratio
Electrical Conductivity (EC)	0.234	0.263	0.265	0.393	<4	<4	mmhos/cm
pH	8.12	8.18	8.07	8.28	6 - 8.3	6 - 8.3	su
Boron, Hot Water Soluble	<0.200	0.216	0.211	<0.200	2	2	mg/kg
Polynuclear Aromatic Hyrdrocarbons							
1-Methylnaphthalene	NT	NT	NT	NT	18	0.006	mg/kg
2-Methylnaphthalene	NT	NT	NT	NT	24	0.019	mg/kg
Acenaphthene	NT	NT	NT	NT	360	0.55	mg/kg
Anthracene	NT	NT	NT	NT	1,800	5.8	mg/kg
Benzo(a)anthracene	NT	NT	NT	NT	1.1	0.011	mg/kg
Benzo(a)pyrene	NT	NT	NT	NT	0.11	0.24	mg/kg
Benzo(b)fluoranthene	NT	NT	NT	NT	1.1	0.3	mg/kg
Benzo(k)fluoranthene	NT	NT	NT	NT	11	2.9	mg/kg
Chrysene	NT	NT	NT	NT	110	9	mg/kg
Dibenzo(a,h)anthracene	NT	NT	NT	NT	0.11	0.096	mg/kg
Fluoranthene	NT	NT	NT	NT	240	8.9	mg/kg
Fluorene	NT	NT	NT	NT	240	0.54	mg/kg
Indeno(1,2,3-cd)pyrene	NT	NT	NT	NT	1.1	0.98	mg/kg
Naphthalene	NT	NT	NT	NT	2	0.0038	mg/kg
Pyrene	NT	NT	NT	NT	180	1.3	mg/kg

Notes:  
mg/kg - milligrams per kilogram  
mmhos/cm - millimhos per centimeter  
su - standard units  
NT - parameter was not tested

Over CECMC Table 915-1 concentration levels but under BACKGROUND level.  
Over CECMC Table 915-1 concentration levels and not within BACKGROUND level.  
Over CECMC Table 915-1 concentration levels

**Entrada Consulting Group**

Sample Delivery Group: L1777377  
Samples Received: 09/13/2024  
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  
Project Manager

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

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



# SAMPLE SUMMARY

## UNIT 2 WH SBASE (20') L1777377-01 Solid

Collected by  
T. Dobransky

Collected date/time  
09/11/24 10:45

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 01:50	09/19/24 01:50	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2363335	1	09/16/24 13:24	09/17/24 00:26	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 00:32	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2362675	5	09/15/24 10:49	09/15/24 17:28	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2363051	1	09/14/24 19:04	09/16/24 00:54	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2363062	1	09/14/24 19:04	09/16/24 01:54	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2364514	1	09/18/24 06:33	09/18/24 15:53	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2363766	1	09/18/24 06:45	09/18/24 17:02	ALM	Mt. Juliet, TN

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

## UNIT 2 WH NBASE (21') L1777377-02 Solid

Collected by  
T. Dobransky

Collected date/time  
09/11/24 10:55

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 01:52	09/19/24 01:52	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2363335	1	09/16/24 13:24	09/17/24 00:32	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 00:34	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2362675	5	09/15/24 10:49	09/15/24 17:31	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2363051	1	09/14/24 19:04	09/16/24 01:13	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2363062	1	09/14/24 19:04	09/16/24 02:13	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2364514	1	09/18/24 06:33	09/18/24 16:06	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2363766	1	09/18/24 06:45	09/18/24 17:54	ALM	Mt. Juliet, TN

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

## UNIT 2 WH EW (15') L1777377-03 Solid

Collected by  
T. Dobransky

Collected date/time  
09/11/24 11:05

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 01:54	09/19/24 01:54	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2363335	1	09/16/24 13:24	09/17/24 00:38	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	5	09/18/24 17:24	09/19/24 00:36	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2362675	5	09/15/24 10:49	09/15/24 17:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2363051	1	09/14/24 19:04	09/16/24 01:37	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2363062	1	09/14/24 19:04	09/16/24 02:31	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2364514	1	09/18/24 06:33	09/18/24 19:49	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2363766	1	09/18/24 06:45	09/18/24 18:11	ALM	Mt. Juliet, TN

## UNIT 2 WH NW (14') L1777377-04 Solid

Collected by  
T. Dobransky

Collected date/time  
09/11/24 11:10

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 01:55	09/19/24 01:55	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2363335	1	09/16/24 13:24	09/17/24 00:44	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 00:38	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2362675	5	09/15/24 10:49	09/15/24 17:46	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2363051	1	09/14/24 19:04	09/16/24 01:56	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2363062	1	09/14/24 19:04	09/16/24 02:50	DWR	Mt. Juliet, TN

# SAMPLE SUMMARY

## UNIT 2 WH NW (14') L1777377-04 Solid

Collected by  
T. Dobransky

Collected date/time  
09/11/24 11:10

Received date/time  
09/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2364514	1	09/18/24 06:33	09/18/24 16:19	KKS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2364514	5	09/18/24 06:33	09/18/24 20:41	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2363766	1	09/18/24 06:45	09/18/24 18:28	ALM	Mt. Juliet, TN

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

## UNIT 2 WH WW (15') L1777377-05 Solid

Collected by  
T. Dobransky

Collected date/time  
09/11/24 11:20

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 01:57	09/19/24 01:57	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2364630	1	09/19/24 07:27	09/20/24 10:21	ANW	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 00:40	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2362675	5	09/15/24 10:49	09/15/24 17:49	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2363051	1	09/14/24 19:04	09/16/24 02:15	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2363062	1	09/14/24 19:04	09/16/24 03:08	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2364514	1	09/18/24 06:33	09/18/24 14:21	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2363766	1	09/18/24 06:45	09/18/24 18:46	ALM	Mt. Juliet, TN

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

## UNIT 2 WH SW (14') L1777377-06 Solid

Collected by  
T. Dobransky

Collected date/time  
09/11/24 11:25

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 01:59	09/19/24 01:59	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2364630	1	09/19/24 07:27	09/20/24 10:39	ANW	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 00:46	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2362675	5	09/15/24 10:49	09/15/24 17:52	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2363051	1	09/14/24 19:04	09/16/24 02:35	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2363062	1	09/14/24 19:04	09/16/24 03:27	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2364514	1	09/18/24 06:33	09/18/24 15:14	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2363766	1	09/18/24 06:45	09/18/24 19:03	ALM	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	2.71		1	09/19/2024 01:50	WG2365123

1  
Cp

2  
Tc

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 00:26	<a href="#">WG2363335</a>

3  
Ss

4  
Cn

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.13	<a href="#">T8</a>	1	09/20/2024 11:54	<a href="#">WG2365506</a>

5  
Sr

6  
Qc

Sample Narrative:

L1777377-01 WG2365506: 8.13 at 22.1C

7  
Gl

8  
Al

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1590	umhos/cm		10.0	1	09/21/2024 14:57	<a href="#">WG2365519</a>

9  
Sc

Sample Narrative:

L1777377-01 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	0.260		0.200	1	09/19/2024 00:32	<a href="#">WG2365132</a>

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	5.35		1.00	5	09/15/2024 17:28	<a href="#">WG2362675</a>
Barium	89.2		2.50	5	09/15/2024 17:28	<a href="#">WG2362675</a>
Cadmium	ND		1.00	5	09/15/2024 17:28	<a href="#">WG2362675</a>
Copper	17.7		5.00	5	09/15/2024 17:28	<a href="#">WG2362675</a>
Lead	23.7		2.00	5	09/15/2024 17:28	<a href="#">WG2362675</a>
Nickel	12.8		2.50	5	09/15/2024 17:28	<a href="#">WG2362675</a>
Selenium	ND		2.50	5	09/15/2024 17:28	<a href="#">WG2362675</a>
Silver	ND		0.500	5	09/15/2024 17:28	<a href="#">WG2362675</a>
Zinc	72.6		25.0	5	09/15/2024 17:28	<a href="#">WG2362675</a>

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	09/16/2024 00:54	<a href="#">WG2363051</a>
(S) a,a,a-Trifluorotoluene(FID)	92.9		77.0-120		09/16/2024 00:54	<a href="#">WG2363051</a>

## 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	09/16/2024 01:54	<a href="#">WG2363062</a>
Toluene	ND		0.00500	1	09/16/2024 01:54	<a href="#">WG2363062</a>
Ethylbenzene	ND		0.00250	1	09/16/2024 01:54	<a href="#">WG2363062</a>
Xylenes, Total	ND		0.00650	1	09/16/2024 01:54	<a href="#">WG2363062</a>
1,2,4-Trimethylbenzene	ND		0.00500	1	09/16/2024 01:54	<a href="#">WG2363062</a>
1,3,5-Trimethylbenzene	ND		0.00500	1	09/16/2024 01:54	<a href="#">WG2363062</a>
(S) Toluene-d8	103		75.0-131		09/16/2024 01:54	<a href="#">WG2363062</a>
(S) 4-Bromofluorobenzene	97.9		67.0-138		09/16/2024 01:54	<a href="#">WG2363062</a>
(S) 1,2-Dichloroethane-d4	104		70.0-130		09/16/2024 01:54	<a href="#">WG2363062</a>

## 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	51.8		4.00	1	09/18/2024 15:53	<a href="#">WG2364514</a>
C28-C36 Motor Oil Range	108		4.00	1	09/18/2024 15:53	<a href="#">WG2364514</a>
(S) o-Terphenyl	36.2		18.0-148		09/18/2024 15:53	<a href="#">WG2364514</a>

## 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	09/18/2024 17:02	<a href="#">WG2363766</a>
Anthracene	ND		0.00600	1	09/18/2024 17:02	<a href="#">WG2363766</a>
Benzo(a)anthracene	ND		0.00600	1	09/18/2024 17:02	<a href="#">WG2363766</a>
Benzo(b)fluoranthene	ND		0.00600	1	09/18/2024 17:02	<a href="#">WG2363766</a>
Benzo(k)fluoranthene	ND		0.00600	1	09/18/2024 17:02	<a href="#">WG2363766</a>
Benzo(a)pyrene	ND		0.00600	1	09/18/2024 17:02	<a href="#">WG2363766</a>
Chrysene	ND		0.00600	1	09/18/2024 17:02	<a href="#">WG2363766</a>
Dibenz(a,h)anthracene	ND		0.00600	1	09/18/2024 17:02	<a href="#">WG2363766</a>
Fluoranthene	ND		0.00600	1	09/18/2024 17:02	<a href="#">WG2363766</a>
Fluorene	ND		0.00600	1	09/18/2024 17:02	<a href="#">WG2363766</a>
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/18/2024 17:02	<a href="#">WG2363766</a>
1-Methylnaphthalene	ND		0.0200	1	09/18/2024 17:02	<a href="#">WG2363766</a>
2-Methylnaphthalene	ND		0.0200	1	09/18/2024 17:02	<a href="#">WG2363766</a>
Naphthalene	ND		0.0200	1	09/18/2024 17:02	<a href="#">WG2363766</a>
Pyrene	ND		0.00600	1	09/18/2024 17:02	<a href="#">WG2363766</a>
(S) p-Terphenyl-d14	41.4		23.0-120		09/18/2024 17:02	<a href="#">WG2363766</a>
(S) Nitrobenzene-d5	42.4		14.0-149		09/18/2024 17:02	<a href="#">WG2363766</a>
(S) 2-Fluorobiphenyl	39.4		34.0-125		09/18/2024 17:02	<a href="#">WG2363766</a>

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	3.20		1	09/19/2024 01:52	WG2365123

1  
Cp

2  
Tc

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 00:32	<a href="#">WG2363335</a>

3  
Ss

4  
Cn

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.29	<a href="#">T8</a>	1	09/20/2024 11:54	<a href="#">WG2365506</a>

5  
Sr

6  
Qc

Sample Narrative:

L1777377-02 WG2365506: 8.29 at 21.3C

7  
Gl

8  
Al

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1350	umhos/cm		10.0	1	09/21/2024 14:57	<a href="#">WG2365519</a>

9  
Sc

Sample Narrative:

L1777377-02 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	0.256		0.200	1	09/19/2024 00:34	<a href="#">WG2365132</a>

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.86		1.00	5	09/15/2024 17:31	<a href="#">WG2362675</a>
Barium	89.0		2.50	5	09/15/2024 17:31	<a href="#">WG2362675</a>
Cadmium	ND		1.00	5	09/15/2024 17:31	<a href="#">WG2362675</a>
Copper	14.2		5.00	5	09/15/2024 17:31	<a href="#">WG2362675</a>
Lead	19.1		2.00	5	09/15/2024 17:31	<a href="#">WG2362675</a>
Nickel	11.3		2.50	5	09/15/2024 17:31	<a href="#">WG2362675</a>
Selenium	ND		2.50	5	09/15/2024 17:31	<a href="#">WG2362675</a>
Silver	ND		0.500	5	09/15/2024 17:31	<a href="#">WG2362675</a>
Zinc	63.5		25.0	5	09/15/2024 17:31	<a href="#">WG2362675</a>

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	09/16/2024 01:13	<a href="#">WG2363051</a>
(S) a,a,a-Trifluorotoluene(FID)	91.3		77.0-120		09/16/2024 01:13	<a href="#">WG2363051</a>

## 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	09/16/2024 02:13	<a href="#">WG2363062</a>
Toluene	ND		0.00500	1	09/16/2024 02:13	<a href="#">WG2363062</a>
Ethylbenzene	ND		0.00250	1	09/16/2024 02:13	<a href="#">WG2363062</a>
Xylenes, Total	ND		0.00650	1	09/16/2024 02:13	<a href="#">WG2363062</a>
1,2,4-Trimethylbenzene	ND		0.00500	1	09/16/2024 02:13	<a href="#">WG2363062</a>
1,3,5-Trimethylbenzene	ND		0.00500	1	09/16/2024 02:13	<a href="#">WG2363062</a>
(S) Toluene-d8	101		75.0-131		09/16/2024 02:13	<a href="#">WG2363062</a>
(S) 4-Bromofluorobenzene	98.4		67.0-138		09/16/2024 02:13	<a href="#">WG2363062</a>
(S) 1,2-Dichloroethane-d4	93.9		70.0-130		09/16/2024 02:13	<a href="#">WG2363062</a>

## 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	44.2		4.00	1	09/18/2024 16:06	<a href="#">WG2364514</a>
C28-C36 Motor Oil Range	107		4.00	1	09/18/2024 16:06	<a href="#">WG2364514</a>
(S) o-Terphenyl	38.4		18.0-148		09/18/2024 16:06	<a href="#">WG2364514</a>

## 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	09/18/2024 17:54	<a href="#">WG2363766</a>
Anthracene	ND		0.00600	1	09/18/2024 17:54	<a href="#">WG2363766</a>
Benzo(a)anthracene	ND		0.00600	1	09/18/2024 17:54	<a href="#">WG2363766</a>
Benzo(b)fluoranthene	ND		0.00600	1	09/18/2024 17:54	<a href="#">WG2363766</a>
Benzo(k)fluoranthene	ND		0.00600	1	09/18/2024 17:54	<a href="#">WG2363766</a>
Benzo(a)pyrene	ND		0.00600	1	09/18/2024 17:54	<a href="#">WG2363766</a>
Chrysene	ND		0.00600	1	09/18/2024 17:54	<a href="#">WG2363766</a>
Dibenz(a,h)anthracene	ND		0.00600	1	09/18/2024 17:54	<a href="#">WG2363766</a>
Fluoranthene	ND		0.00600	1	09/18/2024 17:54	<a href="#">WG2363766</a>
Fluorene	ND		0.00600	1	09/18/2024 17:54	<a href="#">WG2363766</a>
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/18/2024 17:54	<a href="#">WG2363766</a>
1-Methylnaphthalene	ND		0.0200	1	09/18/2024 17:54	<a href="#">WG2363766</a>
2-Methylnaphthalene	ND		0.0200	1	09/18/2024 17:54	<a href="#">WG2363766</a>
Naphthalene	ND		0.0200	1	09/18/2024 17:54	<a href="#">WG2363766</a>
Pyrene	ND		0.00600	1	09/18/2024 17:54	<a href="#">WG2363766</a>
(S) p-Terphenyl-d14	58.1		23.0-120		09/18/2024 17:54	<a href="#">WG2363766</a>
(S) Nitrobenzene-d5	47.5		14.0-149		09/18/2024 17:54	<a href="#">WG2363766</a>
(S) 2-Fluorobiphenyl	49.6		34.0-125		09/18/2024 17:54	<a href="#">WG2363766</a>

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	0.582		1	09/19/2024 01:54	WG2365123

1  
Cp

2  
Tc

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 00:38	<a href="#">WG2363335</a>

3  
Ss

4  
Cn

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.05	<a href="#">T8</a>	1	09/20/2024 11:54	<a href="#">WG2365506</a>

5  
Sr

6  
Qc

Sample Narrative:

L1777377-03 WG2365506: 7.05 at 21.6C

7  
Gl

8  
Al

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	245	umhos/cm		10.0	1	09/21/2024 14:57	<a href="#">WG2365519</a>

9  
Sc

Sample Narrative:

L1777377-03 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	ND		1.00	5	09/19/2024 00:36	<a href="#">WG2365132</a>

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.65		1.00	5	09/15/2024 17:35	<a href="#">WG2362675</a>
Barium	79.6		2.50	5	09/15/2024 17:35	<a href="#">WG2362675</a>
Cadmium	ND		1.00	5	09/15/2024 17:35	<a href="#">WG2362675</a>
Copper	9.49		5.00	5	09/15/2024 17:35	<a href="#">WG2362675</a>
Lead	11.6		2.00	5	09/15/2024 17:35	<a href="#">WG2362675</a>
Nickel	10.4		2.50	5	09/15/2024 17:35	<a href="#">WG2362675</a>
Selenium	ND		2.50	5	09/15/2024 17:35	<a href="#">WG2362675</a>
Silver	ND		0.500	5	09/15/2024 17:35	<a href="#">WG2362675</a>
Zinc	51.0		25.0	5	09/15/2024 17:35	<a href="#">WG2362675</a>

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	09/16/2024 01:37	<a href="#">WG2363051</a>
(S) a,a,a-Trifluorotoluene(FID)	91.0		77.0-120		09/16/2024 01:37	<a href="#">WG2363051</a>

## 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	09/16/2024 02:31	<a href="#">WG2363062</a>
Toluene	ND		0.00500	1	09/16/2024 02:31	<a href="#">WG2363062</a>
Ethylbenzene	ND		0.00250	1	09/16/2024 02:31	<a href="#">WG2363062</a>
Xylenes, Total	ND		0.00650	1	09/16/2024 02:31	<a href="#">WG2363062</a>
1,2,4-Trimethylbenzene	ND		0.00500	1	09/16/2024 02:31	<a href="#">WG2363062</a>
1,3,5-Trimethylbenzene	ND		0.00500	1	09/16/2024 02:31	<a href="#">WG2363062</a>
(S) Toluene-d8	103		75.0-131		09/16/2024 02:31	<a href="#">WG2363062</a>
(S) 4-Bromofluorobenzene	98.6		67.0-138		09/16/2024 02:31	<a href="#">WG2363062</a>
(S) 1,2-Dichloroethane-d4	109		70.0-130		09/16/2024 02:31	<a href="#">WG2363062</a>

## 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	09/18/2024 19:49	<a href="#">WG2364514</a>
C28-C36 Motor Oil Range	ND		4.00	1	09/18/2024 19:49	<a href="#">WG2364514</a>
(S) o-Terphenyl	41.3		18.0-148		09/18/2024 19:49	<a href="#">WG2364514</a>

## 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	09/18/2024 18:11	<a href="#">WG2363766</a>
Anthracene	ND		0.00600	1	09/18/2024 18:11	<a href="#">WG2363766</a>
Benzo(a)anthracene	ND		0.00600	1	09/18/2024 18:11	<a href="#">WG2363766</a>
Benzo(b)fluoranthene	ND		0.00600	1	09/18/2024 18:11	<a href="#">WG2363766</a>
Benzo(k)fluoranthene	ND		0.00600	1	09/18/2024 18:11	<a href="#">WG2363766</a>
Benzo(a)pyrene	ND		0.00600	1	09/18/2024 18:11	<a href="#">WG2363766</a>
Chrysene	ND		0.00600	1	09/18/2024 18:11	<a href="#">WG2363766</a>
Dibenz(a,h)anthracene	ND		0.00600	1	09/18/2024 18:11	<a href="#">WG2363766</a>
Fluoranthene	ND		0.00600	1	09/18/2024 18:11	<a href="#">WG2363766</a>
Fluorene	ND		0.00600	1	09/18/2024 18:11	<a href="#">WG2363766</a>
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/18/2024 18:11	<a href="#">WG2363766</a>
1-Methylnaphthalene	ND		0.0200	1	09/18/2024 18:11	<a href="#">WG2363766</a>
2-Methylnaphthalene	ND		0.0200	1	09/18/2024 18:11	<a href="#">WG2363766</a>
Naphthalene	ND		0.0200	1	09/18/2024 18:11	<a href="#">WG2363766</a>
Pyrene	ND		0.00600	1	09/18/2024 18:11	<a href="#">WG2363766</a>
(S) p-Terphenyl-d14	53.6		23.0-120		09/18/2024 18:11	<a href="#">WG2363766</a>
(S) Nitrobenzene-d5	51.0		14.0-149		09/18/2024 18:11	<a href="#">WG2363766</a>
(S) 2-Fluorobiphenyl	43.7		34.0-125		09/18/2024 18:11	<a href="#">WG2363766</a>

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	0.530		1	09/19/2024 01:55	WG2365123

1  
Cp

2  
Tc

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 00:44	<a href="#">WG2363335</a>

3  
Ss

4  
Cn

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.60	<a href="#">T8</a>	1	09/20/2024 11:54	<a href="#">WG2365506</a>

5  
Sr

6  
Qc

Sample Narrative:

L1777377-04 WG2365506: 7.6 at 21.8C

7  
Gl

8  
Al

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	518	umhos/cm		10.0	1	09/21/2024 14:57	<a href="#">WG2365519</a>

9  
Sc

Sample Narrative:

L1777377-04 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	0.297		0.200	1	09/19/2024 00:38	<a href="#">WG2365132</a>

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.67		1.00	5	09/15/2024 17:46	<a href="#">WG2362675</a>
Barium	40.3		2.50	5	09/15/2024 17:46	<a href="#">WG2362675</a>
Cadmium	ND		1.00	5	09/15/2024 17:46	<a href="#">WG2362675</a>
Copper	6.55		5.00	5	09/15/2024 17:46	<a href="#">WG2362675</a>
Lead	6.75		2.00	5	09/15/2024 17:46	<a href="#">WG2362675</a>
Nickel	9.74		2.50	5	09/15/2024 17:46	<a href="#">WG2362675</a>
Selenium	ND		2.50	5	09/15/2024 17:46	<a href="#">WG2362675</a>
Silver	ND		0.500	5	09/15/2024 17:46	<a href="#">WG2362675</a>
Zinc	46.9		25.0	5	09/15/2024 17:46	<a href="#">WG2362675</a>

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	09/16/2024 01:56	<a href="#">WG2363051</a>
(S) a,a,a-Trifluorotoluene(FID)	93.4		77.0-120		09/16/2024 01:56	<a href="#">WG2363051</a>

## 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	09/16/2024 02:50	<a href="#">WG2363062</a>
Toluene	ND		0.00500	1	09/16/2024 02:50	<a href="#">WG2363062</a>
Ethylbenzene	ND		0.00250	1	09/16/2024 02:50	<a href="#">WG2363062</a>
Xylenes, Total	ND		0.00650	1	09/16/2024 02:50	<a href="#">WG2363062</a>
1,2,4-Trimethylbenzene	ND		0.00500	1	09/16/2024 02:50	<a href="#">WG2363062</a>
1,3,5-Trimethylbenzene	ND		0.00500	1	09/16/2024 02:50	<a href="#">WG2363062</a>
(S) Toluene-d8	102		75.0-131		09/16/2024 02:50	<a href="#">WG2363062</a>
(S) 4-Bromofluorobenzene	99.6		67.0-138		09/16/2024 02:50	<a href="#">WG2363062</a>
(S) 1,2-Dichloroethane-d4	93.0		70.0-130		09/16/2024 02:50	<a href="#">WG2363062</a>

## 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	118		4.00	1	09/18/2024 16:19	<a href="#">WG2364514</a>
C28-C36 Motor Oil Range	181		20.0	5	09/18/2024 20:41	<a href="#">WG2364514</a>
(S) o-Terphenyl	39.5		18.0-148		09/18/2024 20:41	<a href="#">WG2364514</a>
(S) o-Terphenyl	39.9		18.0-148		09/18/2024 16:19	<a href="#">WG2364514</a>

## 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	09/18/2024 18:28	<a href="#">WG2363766</a>
Anthracene	ND		0.00600	1	09/18/2024 18:28	<a href="#">WG2363766</a>
Benzo(a)anthracene	ND		0.00600	1	09/18/2024 18:28	<a href="#">WG2363766</a>
Benzo(b)fluoranthene	ND		0.00600	1	09/18/2024 18:28	<a href="#">WG2363766</a>
Benzo(k)fluoranthene	ND		0.00600	1	09/18/2024 18:28	<a href="#">WG2363766</a>
Benzo(a)pyrene	ND		0.00600	1	09/18/2024 18:28	<a href="#">WG2363766</a>
Chrysene	ND		0.00600	1	09/18/2024 18:28	<a href="#">WG2363766</a>
Dibenz(a,h)anthracene	ND		0.00600	1	09/18/2024 18:28	<a href="#">WG2363766</a>
Fluoranthene	ND		0.00600	1	09/18/2024 18:28	<a href="#">WG2363766</a>
Fluorene	ND		0.00600	1	09/18/2024 18:28	<a href="#">WG2363766</a>
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/18/2024 18:28	<a href="#">WG2363766</a>
1-Methylnaphthalene	ND		0.0200	1	09/18/2024 18:28	<a href="#">WG2363766</a>
2-Methylnaphthalene	ND		0.0200	1	09/18/2024 18:28	<a href="#">WG2363766</a>
Naphthalene	ND		0.0200	1	09/18/2024 18:28	<a href="#">WG2363766</a>
Pyrene	ND		0.00600	1	09/18/2024 18:28	<a href="#">WG2363766</a>
(S) p-Terphenyl-d14	65.5		23.0-120		09/18/2024 18:28	<a href="#">WG2363766</a>
(S) Nitrobenzene-d5	59.2		14.0-149		09/18/2024 18:28	<a href="#">WG2363766</a>
(S) 2-Fluorobiphenyl	58.6		34.0-125		09/18/2024 18:28	<a href="#">WG2363766</a>

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	0.281		1	09/19/2024 01:57	WG2365123

1  
Cp

2  
Tc

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/20/2024 10:21	<a href="#">WG2364630</a>

3  
Ss

4  
Cn

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	5.62	<a href="#">T8</a>	1	09/20/2024 11:54	<a href="#">WG2365506</a>

5  
Sr

6  
Qc

Sample Narrative:

L1777377-05 WG2365506: 5.62 at 22.1C

7  
Gl

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	288	umhos/cm		10.0	1	09/21/2024 14:57	<a href="#">WG2365519</a>

8  
Al

9  
Sc

Sample Narrative:

L1777377-05 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	0.340		0.200	1	09/19/2024 00:40	<a href="#">WG2365132</a>

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.62		1.00	5	09/15/2024 17:49	<a href="#">WG2362675</a>
Barium	73.0		2.50	5	09/15/2024 17:49	<a href="#">WG2362675</a>
Cadmium	ND		1.00	5	09/15/2024 17:49	<a href="#">WG2362675</a>
Copper	10.7		5.00	5	09/15/2024 17:49	<a href="#">WG2362675</a>
Lead	9.81		2.00	5	09/15/2024 17:49	<a href="#">WG2362675</a>
Nickel	10.8		2.50	5	09/15/2024 17:49	<a href="#">WG2362675</a>
Selenium	ND		2.50	5	09/15/2024 17:49	<a href="#">WG2362675</a>
Silver	ND		0.500	5	09/15/2024 17:49	<a href="#">WG2362675</a>
Zinc	33.2		25.0	5	09/15/2024 17:49	<a href="#">WG2362675</a>

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	09/16/2024 02:15	<a href="#">WG2363051</a>
(S) a,a,a-Trifluorotoluene(FID)	92.9		77.0-120		09/16/2024 02:15	<a href="#">WG2363051</a>

## 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	09/16/2024 03:08	<a href="#">WG2363062</a>
Toluene	ND		0.00500	1	09/16/2024 03:08	<a href="#">WG2363062</a>
Ethylbenzene	ND		0.00250	1	09/16/2024 03:08	<a href="#">WG2363062</a>
Xylenes, Total	ND		0.00650	1	09/16/2024 03:08	<a href="#">WG2363062</a>
1,2,4-Trimethylbenzene	ND		0.00500	1	09/16/2024 03:08	<a href="#">WG2363062</a>
1,3,5-Trimethylbenzene	ND		0.00500	1	09/16/2024 03:08	<a href="#">WG2363062</a>
(S) Toluene-d8	101		75.0-131		09/16/2024 03:08	<a href="#">WG2363062</a>
(S) 4-Bromofluorobenzene	101		67.0-138		09/16/2024 03:08	<a href="#">WG2363062</a>
(S) 1,2-Dichloroethane-d4	107		70.0-130		09/16/2024 03:08	<a href="#">WG2363062</a>

## 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	6.25		4.00	1	09/18/2024 14:21	<a href="#">WG2364514</a>
C28-C36 Motor Oil Range	5.17		4.00	1	09/18/2024 14:21	<a href="#">WG2364514</a>
(S) o-Terphenyl	42.6		18.0-148		09/18/2024 14:21	<a href="#">WG2364514</a>

## 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	09/18/2024 18:46	<a href="#">WG2363766</a>
Anthracene	ND		0.00600	1	09/18/2024 18:46	<a href="#">WG2363766</a>
Benzo(a)anthracene	ND		0.00600	1	09/18/2024 18:46	<a href="#">WG2363766</a>
Benzo(b)fluoranthene	ND		0.00600	1	09/18/2024 18:46	<a href="#">WG2363766</a>
Benzo(k)fluoranthene	ND		0.00600	1	09/18/2024 18:46	<a href="#">WG2363766</a>
Benzo(a)pyrene	ND		0.00600	1	09/18/2024 18:46	<a href="#">WG2363766</a>
Chrysene	ND		0.00600	1	09/18/2024 18:46	<a href="#">WG2363766</a>
Dibenz(a,h)anthracene	ND		0.00600	1	09/18/2024 18:46	<a href="#">WG2363766</a>
Fluoranthene	ND		0.00600	1	09/18/2024 18:46	<a href="#">WG2363766</a>
Fluorene	ND		0.00600	1	09/18/2024 18:46	<a href="#">WG2363766</a>
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/18/2024 18:46	<a href="#">WG2363766</a>
1-Methylnaphthalene	ND		0.0200	1	09/18/2024 18:46	<a href="#">WG2363766</a>
2-Methylnaphthalene	ND		0.0200	1	09/18/2024 18:46	<a href="#">WG2363766</a>
Naphthalene	ND		0.0200	1	09/18/2024 18:46	<a href="#">WG2363766</a>
Pyrene	ND		0.00600	1	09/18/2024 18:46	<a href="#">WG2363766</a>
(S) p-Terphenyl-d14	98.0		23.0-120		09/18/2024 18:46	<a href="#">WG2363766</a>
(S) Nitrobenzene-d5	117		14.0-149		09/18/2024 18:46	<a href="#">WG2363766</a>
(S) 2-Fluorobiphenyl	93.4		34.0-125		09/18/2024 18:46	<a href="#">WG2363766</a>

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	0.140		1	09/19/2024 01:59	WG2365123

1  
Cp

2  
Tc

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		1.00	1	09/20/2024 10:39	<a href="#">WG2364630</a>

3  
Ss

4  
Cn

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.69	<a href="#">T8</a>	1	09/20/2024 11:54	<a href="#">WG2365506</a>

5  
Sr

6  
Qc

Sample Narrative:

L1777377-06 WG2365506: 6.69 at 21.8C

7  
Gl

8  
Al

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	166	umhos/cm		10.0	1	09/21/2024 14:57	<a href="#">WG2365519</a>

9  
Sc

Sample Narrative:

L1777377-06 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	0.272		0.200	1	09/19/2024 00:46	<a href="#">WG2365132</a>

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.95		1.00	5	09/15/2024 17:52	<a href="#">WG2362675</a>
Barium	72.2		2.50	5	09/15/2024 17:52	<a href="#">WG2362675</a>
Cadmium	ND		1.00	5	09/15/2024 17:52	<a href="#">WG2362675</a>
Copper	10.1		5.00	5	09/15/2024 17:52	<a href="#">WG2362675</a>
Lead	10.4		2.00	5	09/15/2024 17:52	<a href="#">WG2362675</a>
Nickel	10.8		2.50	5	09/15/2024 17:52	<a href="#">WG2362675</a>
Selenium	ND		2.50	5	09/15/2024 17:52	<a href="#">WG2362675</a>
Silver	ND		0.500	5	09/15/2024 17:52	<a href="#">WG2362675</a>
Zinc	47.3		25.0	5	09/15/2024 17:52	<a href="#">WG2362675</a>

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	09/16/2024 02:35	<a href="#">WG2363051</a>
(S) a,a,a-Trifluorotoluene(FID)	92.4		77.0-120		09/16/2024 02:35	<a href="#">WG2363051</a>

## 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	09/16/2024 03:27	<a href="#">WG2363062</a>
Toluene	ND		0.00500	1	09/16/2024 03:27	<a href="#">WG2363062</a>
Ethylbenzene	ND		0.00250	1	09/16/2024 03:27	<a href="#">WG2363062</a>
Xylenes, Total	ND		0.00650	1	09/16/2024 03:27	<a href="#">WG2363062</a>
1,2,4-Trimethylbenzene	ND		0.00500	1	09/16/2024 03:27	<a href="#">WG2363062</a>
1,3,5-Trimethylbenzene	ND		0.00500	1	09/16/2024 03:27	<a href="#">WG2363062</a>
(S) Toluene-d8	101		75.0-131		09/16/2024 03:27	<a href="#">WG2363062</a>
(S) 4-Bromofluorobenzene	97.8		67.0-138		09/16/2024 03:27	<a href="#">WG2363062</a>
(S) 1,2-Dichloroethane-d4	105		70.0-130		09/16/2024 03:27	<a href="#">WG2363062</a>

## 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	7.60		4.00	1	09/18/2024 15:14	<a href="#">WG2364514</a>
C28-C36 Motor Oil Range	13.8		4.00	1	09/18/2024 15:14	<a href="#">WG2364514</a>
(S) o-Terphenyl	49.4		18.0-148		09/18/2024 15:14	<a href="#">WG2364514</a>

## 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	09/18/2024 19:03	<a href="#">WG2363766</a>
Anthracene	ND		0.00600	1	09/18/2024 19:03	<a href="#">WG2363766</a>
Benzo(a)anthracene	ND		0.00600	1	09/18/2024 19:03	<a href="#">WG2363766</a>
Benzo(b)fluoranthene	ND		0.00600	1	09/18/2024 19:03	<a href="#">WG2363766</a>
Benzo(k)fluoranthene	ND		0.00600	1	09/18/2024 19:03	<a href="#">WG2363766</a>
Benzo(a)pyrene	ND		0.00600	1	09/18/2024 19:03	<a href="#">WG2363766</a>
Chrysene	ND		0.00600	1	09/18/2024 19:03	<a href="#">WG2363766</a>
Dibenz(a,h)anthracene	ND		0.00600	1	09/18/2024 19:03	<a href="#">WG2363766</a>
Fluoranthene	ND		0.00600	1	09/18/2024 19:03	<a href="#">WG2363766</a>
Fluorene	ND		0.00600	1	09/18/2024 19:03	<a href="#">WG2363766</a>
Indeno(1,2,3-cd)pyrene	ND		0.00600	1	09/18/2024 19:03	<a href="#">WG2363766</a>
1-Methylnaphthalene	ND		0.0200	1	09/18/2024 19:03	<a href="#">WG2363766</a>
2-Methylnaphthalene	ND		0.0200	1	09/18/2024 19:03	<a href="#">WG2363766</a>
Naphthalene	ND		0.0200	1	09/18/2024 19:03	<a href="#">WG2363766</a>
Pyrene	ND		0.00600	1	09/18/2024 19:03	<a href="#">WG2363766</a>
(S) p-Terphenyl-d14	41.7		23.0-120		09/18/2024 19:03	<a href="#">WG2363766</a>
(S) Nitrobenzene-d5	61.2		14.0-149		09/18/2024 19:03	<a href="#">WG2363766</a>
(S) 2-Fluorobiphenyl	35.6		34.0-125		09/18/2024 19:03	<a href="#">WG2363766</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

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

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

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

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

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
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

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

Laboratory Control Sample (LCS)

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

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
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

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
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

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4122446-1 09/20/24 10:03

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

L1777377-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1777377-05 09/20/24 10:21 • (DUP) R4122446-3 09/20/24 10:30

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

L1777377-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1777377-06 09/20/24 10:39 • (DUP) R4122446-4 09/20/24 10:48

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

Laboratory Control Sample (LCS)

(LCS) R4122446-2 09/20/24 10:12

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Hexavalent Chromium	10.0	9.92	99.2	80.0-120	

L1778874-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1778874-01 09/20/24 13:38 • (MS) R4122446-5 09/20/24 13:47 • (MSD) R4122446-6 09/20/24 13:56

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Hexavalent Chromium	20.0	ND	17.1	17.7	85.4	88.7	1	75.0-125			3.80	20

L1778874-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1778874-01 09/20/24 13:38 • (MS) R4122446-7 09/20/24 14:04

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Hexavalent Chromium	636	ND	502	78.9	50	75.0-125	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

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

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	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

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	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

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

Sample Narrative:

LCS: 9.98 at 21.9C

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

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

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	

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R4120517-2 09/15/24 23:25

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)	95.1			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4120517-1 09/15/24 22:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.17	103	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			101	77.0-120	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R4120662-3 09/15/24 21:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Toluene	U		0.00130	0.00500
Ethylbenzene	U		0.000737	0.00250
Xylenes, Total	U		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	102			75.0-131
(S) 4-Bromofluorobenzene	98.2			67.0-138
(S) 1,2-Dichloroethane-d4	83.9			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4120662-1 09/15/24 19:45 • (LCSD) R4120662-2 09/15/24 20:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.113	0.114	90.4	91.2	70.0-123			0.881	20
Toluene	0.125	0.112	0.117	89.6	93.6	75.0-121			4.37	20
Ethylbenzene	0.125	0.110	0.113	88.0	90.4	74.0-126			2.69	20
Xylenes, Total	0.375	0.323	0.335	86.1	89.3	72.0-127			3.65	20
1,2,4-Trimethylbenzene	0.125	0.102	0.104	81.6	83.2	70.0-126			1.94	20
1,3,5-Trimethylbenzene	0.125	0.104	0.109	83.2	87.2	73.0-127			4.69	20
(S) Toluene-d8				103	105	75.0-131				
(S) 4-Bromofluorobenzene				103	99.9	67.0-138				
(S) 1,2-Dichloroethane-d4				111	103	70.0-130				

1  
Cp

2  
Tc

3  
Ss

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Cn

5  
Sr

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Qc

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Gl

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Al

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Sc

Method Blank (MB)

(MB) R4121716-1 09/18/24 13:03

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	64.7			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4121716-2 09/18/24 13:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	38.2	76.4	50.0-150	
(S) o-Terphenyl			67.6	18.0-148	

L1777412-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1777412-02 09/18/24 17:38 • (MS) R4121716-3 09/18/24 17:51 • (MSD) R4121716-4 09/18/24 18:04

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 %
C10-C28 Diesel Range	48.9	1200	974	1250	0.000	101	10	50.0-150	V	J3	24.8	20
(S) o-Terphenyl					73.8	77.9		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4121823-2 09/18/24 14:55

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	78.2			23.0-120
(S) Nitrobenzene-d5	51.3			14.0-149
(S) 2-Fluorobiphenyl	62.4			34.0-125

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

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Gl

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Al

9  
Sc

Laboratory Control Sample (LCS)

(LCS) R4121823-1 09/18/24 14:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0480	60.0	50.0-120	
Anthracene	0.0800	0.0461	57.6	50.0-126	
Benzo(a)anthracene	0.0800	0.0459	57.4	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0485	60.6	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0486	60.8	49.0-125	
Benzo(a)pyrene	0.0800	0.0448	56.0	42.0-120	
Chrysene	0.0800	0.0504	63.0	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0484	60.5	47.0-125	
Fluoranthene	0.0800	0.0486	60.8	49.0-129	
Fluorene	0.0800	0.0496	62.0	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0477	59.6	46.0-125	
1-Methylnaphthalene	0.0800	0.0520	65.0	51.0-121	
2-Methylnaphthalene	0.0800	0.0500	62.5	50.0-120	
Naphthalene	0.0800	0.0508	63.5	50.0-120	
Pyrene	0.0800	0.0539	67.4	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4121823-1 09/18/24 14:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			81.7	23.0-120	
(S) Nitrobenzene-d5			57.9	14.0-149	
(S) 2-Fluorobiphenyl			59.0	34.0-125	

L1777377-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1777377-01 09/18/24 17:02 • (MS) R4121823-3 09/18/24 17:19 • (MSD) R4121823-4 09/18/24 17:37

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	0.0776	ND	0.0301	0.0303	38.8	38.8	1	14.0-127			0.662	27
Anthracene	0.0776	ND	0.0276	0.0279	35.6	35.8	1	10.0-145			1.08	30
Benzo(a)anthracene	0.0776	ND	0.0266	0.0265	34.3	34.0	1	10.0-139			0.377	30
Benzo(b)fluoranthene	0.0776	ND	0.0288	0.0286	37.1	36.7	1	10.0-140			0.697	36
Benzo(k)fluoranthene	0.0776	ND	0.0273	0.0269	35.2	34.5	1	10.0-137			1.48	31
Benzo(a)pyrene	0.0776	ND	0.0265	0.0267	34.1	34.2	1	10.0-141			0.752	31
Chrysene	0.0776	ND	0.0304	0.0296	39.2	37.9	1	10.0-145			2.67	30
Dibenz(a,h)anthracene	0.0776	ND	0.0269	0.0257	34.7	32.9	1	10.0-132			4.56	31
Fluoranthene	0.0776	ND	0.0282	0.0291	36.3	37.3	1	10.0-153			3.14	33
Fluorene	0.0776	ND	0.0308	0.0306	39.7	39.2	1	11.0-130			0.651	29
Indeno(1,2,3-cd)pyrene	0.0776	ND	0.0263	0.0258	33.9	33.1	1	10.0-137			1.92	32
1-Methylnaphthalene	0.0776	ND	0.0352	0.0365	45.4	46.8	1	10.0-142			3.63	28
2-Methylnaphthalene	0.0776	ND	0.0336	0.0340	43.3	43.6	1	10.0-137			1.18	28
Naphthalene	0.0776	ND	0.0363	0.0361	46.8	46.3	1	10.0-135			0.552	27
Pyrene	0.0776	ND	0.0310	0.0319	39.9	40.9	1	10.0-148			2.86	35
(S) p-Terphenyl-d14					43.4	44.6		23.0-120				
(S) Nitrobenzene-d5					59.6	46.2		14.0-149				
(S) 2-Fluorobiphenyl					46.0	45.5		34.0-125				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

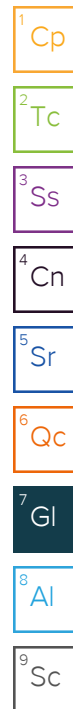
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
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.
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.
V	The sample concentration is too high to evaluate accurate spike recoveries.





# ACCREDITATIONS & LOCATIONS

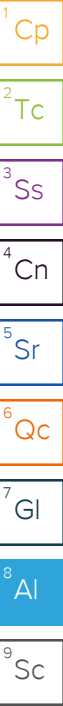
## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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.



[illegible]



9/13/24 - NCF L1777377 ENTCONGJCO

R2/R3/R4/RX/EX

Time estimate: oh

Time spent: oh

Members

 Matthew Shacklock (responsible)

- ☐ Parameter(s) past holding time
- ☐ Temperature not in range
- ☐ Improper container type
- ☐ pH not in range
- ☐ Insufficient sample volume
- ☐ Sample is biphasic
- ☐ Vials received with headspace
- ☒ Broken container
- ☒ Sufficient sample remains
- ☐ If broken container: Insufficient packing material around container
- ☐ If broken container: Insufficient packing material inside cooler
- ☐ If broken container: Improper handling by carrier: \_\_\_\_\_
- ☐ If broken container: Sample was frozen
- ☐ If broken container: Container lid not intact
- ☐ Client informed by Call
- ☐ Client informed by Email
- ☐ Client informed by Voicemail
- ☐ Date/Time: \_\_\_\_\_
- ☐ PM initials: \_\_\_\_\_
- ☐ Client Contact: \_\_\_\_\_

Comments

Matthew Shacklock  
13 September 2024 1:53 PM  
1 of 4 8oz containers received broken

## 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

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

## Pace Analytical National

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

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# SAMPLE SUMMARY

## 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

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

## 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





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	<a href="#">WG2363335</a>

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.12	<a href="#">T8</a>	1	09/20/2024 11:54	<a href="#">WG2365506</a>

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	<a href="#">WG2365519</a>

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	<a href="#">WG2365132</a>

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	<a href="#">WG2362675</a>
Barium	74.7		2.50	5	09/15/2024 17:56	<a href="#">WG2362675</a>
Cadmium	ND		1.00	5	09/15/2024 17:56	<a href="#">WG2362675</a>
Copper	13.1		5.00	5	09/15/2024 17:56	<a href="#">WG2362675</a>
Lead	13.6		2.00	5	09/15/2024 17:56	<a href="#">WG2362675</a>
Nickel	11.6		2.50	5	09/15/2024 17:56	<a href="#">WG2362675</a>
Selenium	ND		2.50	5	09/15/2024 17:56	<a href="#">WG2362675</a>
Silver	ND		0.500	5	09/15/2024 17:56	<a href="#">WG2362675</a>
Zinc	48.8		25.0	5	09/15/2024 17:56	<a href="#">WG2362675</a>

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	<a href="#">WG2363335</a>

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.18	<a href="#">T8</a>	1	09/20/2024 11:54	<a href="#">WG2365506</a>

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	<a href="#">WG2365519</a>

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	<a href="#">WG2365132</a>

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	<a href="#">WG2362675</a>
Barium	75.6		2.50	5	09/15/2024 17:59	<a href="#">WG2362675</a>
Cadmium	ND		1.00	5	09/15/2024 17:59	<a href="#">WG2362675</a>
Copper	12.0		5.00	5	09/15/2024 17:59	<a href="#">WG2362675</a>
Lead	13.2		2.00	5	09/15/2024 17:59	<a href="#">WG2362675</a>
Nickel	10.7		2.50	5	09/15/2024 17:59	<a href="#">WG2362675</a>
Selenium	ND		2.50	5	09/15/2024 17:59	<a href="#">WG2362675</a>
Silver	ND		0.500	5	09/15/2024 17:59	<a href="#">WG2362675</a>
Zinc	45.9		25.0	5	09/15/2024 17:59	<a href="#">WG2362675</a>

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	<a href="#">WG2363335</a>

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.07	<a href="#">T8</a>	1	09/20/2024 11:54	<a href="#">WG2365506</a>

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	<a href="#">WG2365519</a>

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	<a href="#">WG2365132</a>

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	<a href="#">WG2362675</a>
Barium	62.2		2.50	5	09/15/2024 18:02	<a href="#">WG2362675</a>
Cadmium	ND		1.00	5	09/15/2024 18:02	<a href="#">WG2362675</a>
Copper	11.5		5.00	5	09/15/2024 18:02	<a href="#">WG2362675</a>
Lead	12.1		2.00	5	09/15/2024 18:02	<a href="#">WG2362675</a>
Nickel	9.71		2.50	5	09/15/2024 18:02	<a href="#">WG2362675</a>
Selenium	ND		2.50	5	09/15/2024 18:02	<a href="#">WG2362675</a>
Silver	ND		0.500	5	09/15/2024 18:02	<a href="#">WG2362675</a>
Zinc	42.8		25.0	5	09/15/2024 18:02	<a href="#">WG2362675</a>

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	<a href="#">WG2363335</a>

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.28	<a href="#">T8</a>	1	09/20/2024 11:54	<a href="#">WG2365506</a>

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	<a href="#">WG2365519</a>

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	<a href="#">WG2365132</a>

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	<a href="#">WG2362675</a>
Barium	47.8		2.50	5	09/15/2024 18:05	<a href="#">WG2362675</a>
Cadmium	ND		1.00	5	09/15/2024 18:05	<a href="#">WG2362675</a>
Copper	13.0		5.00	5	09/15/2024 18:05	<a href="#">WG2362675</a>
Lead	15.5		2.00	5	09/15/2024 18:05	<a href="#">WG2362675</a>
Nickel	11.5		2.50	5	09/15/2024 18:05	<a href="#">WG2362675</a>
Selenium	ND		2.50	5	09/15/2024 18:05	<a href="#">WG2362675</a>
Silver	ND		0.500	5	09/15/2024 18:05	<a href="#">WG2362675</a>
Zinc	52.6		25.0	5	09/15/2024 18:05	<a href="#">WG2362675</a>

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

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

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

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

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 mg/kg	DUP Result mg/kg	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 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) R4120510-7 09/17/24 00:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	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 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	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 mg/kg	Original Result mg/kg	MS Result mg/kg	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

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	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

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

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

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

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	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

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

Sample Narrative:

LCS: 9.98 at 21.9C

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

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

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

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



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

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	

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

1Cp

2Tc

3Ss

4Cn

5Sr

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.
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.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# 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.



Entrada Consulting Group

330 Grand Avenue, Unit C

Grand Junction, CO 81503

Report to:

Tim Dobransky

Project Description:

Wilson Creek Unit 2 Backgrounds

Phone: 1-970-270-2986

Fax:

Collected by (print):

T. Dobransky

Collected by (signature):

T. Dobransky

Immediately

Packed on Ice N Y X

Billing Information:

Same as left

Email To:

tdobransky@entradainc.com

City/State Collected:

CO

Client Project #

Site/Facility ID #

Lab Project #

P.O. #

Quote #

Date Results Needed

No. of Cntrs

Analysis / Contaminant

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

Remarks

Sample # (lab only)

Sample ID

Comp/Grab

Matrix \*

Depth

Date

Time

No. of Cntrs

Unit 2 BG1 (5')

Grab

SS

5'

9/11/24

1135

3

Unit 2 BG1 (8')

Grab

SS

8'

9/11/24

1140

3

Unit 2 BG1 (11')

Grab

SS

11'

9/11/24

1145

3

Unit 2 BG1 (13')

Grab

SS

13'

9/11/24

1150

3

\* Matrix:

SS - Soil AIR - Air F - Filter

GW - Groundwater B - Bioassay

WW - Wastewater

DW - Drinking Water

OT - Other

Remarks:

Rush Please

Samples returned via:

Tracking #

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes/No

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

Sample Receipt Checklist

COC Seal Present/Intact: NP

COC Signed/Accurate: Y

Bottles arrive intact: Y

Correct bottles used: Y

Sufficient volume sent: Y

VOA Zero Headspace: Y

Preservation Correct/Checked: Y

Condition:

NCF / OK

