ANALYTICAL REPORT

July 27, 2023

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

HRL Compliance Solutions- CO

Sample Delivery Group:	L1635933
Samples Received:	07/15/2023
Project Number:	
Description:	UGC DPU 7712 Soil Delineation
Site:	DPU 7712
Report To:	Joel Adams 2385 F ½ Road Grand Junction, CO 81505

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager

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SB-06 @ 20' L1635933-01 Solid

Collected by: J. Adams | Collected date/time: 07/13/23 10:15 | Received date/time: 07/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2096656	1	07/27/23 11:12	07/27/23 11:12	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2097140	1	07/18/23 23:10	07/19/23 10:46	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2097668	1	07/19/23 10:51	07/19/23 13:00	SJA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2097561	1	07/19/23 11:40	07/19/23 15:43	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2096659	1	07/25/23 04:24	07/25/23 11:44	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2097467	5	07/19/23 07:55	07/25/23 19:40	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2099223	1	07/19/23 15:38	07/21/23 20:36	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2099201	1	07/19/23 15:38	07/21/23 12:21	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2098995	1	07/25/23 07:30	07/25/23 13:19	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2099026	1	07/22/23 19:54	07/23/23 05:53	MBE	Mt. Juliet, TN

SB-07 @ 20' L1635933-02 Solid

Collected by: J. Adams | Collected date/time: 07/13/23 13:00 | Received date/time: 07/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2096656	1	07/27/23 11:15	07/27/23 11:15	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2097140	1	07/18/23 23:10	07/19/23 11:02	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2097668	1	07/19/23 10:51	07/19/23 13:00	SJA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2097561	1	07/19/23 11:40	07/19/23 15:43	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2096659	1	07/25/23 04:24	07/25/23 11:47	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2097467	5	07/19/23 07:55	07/25/23 19:43	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2099223	1	07/19/23 15:38	07/21/23 20:59	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2099201	1	07/19/23 15:38	07/21/23 12:40	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2098995	1	07/25/23 07:30	07/25/23 13:32	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2099026	1	07/22/23 19:54	07/23/23 06:45	MBE	Mt. Juliet, TN

SB-07 @ 40' L1635933-03 Solid

Collected by: J. Adams | Collected date/time: 07/13/23 14:00 | Received date/time: 07/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2096656	1	07/27/23 11:18	07/27/23 11:18	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2097140	1	07/18/23 23:10	07/19/23 11:07	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2097668	1	07/19/23 10:51	07/19/23 13:00	SJA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2097561	1	07/19/23 11:40	07/19/23 15:43	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2096659	1	07/25/23 04:24	07/25/23 11:51	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2097467	5	07/19/23 07:55	07/25/23 19:47	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2099223	1	07/19/23 15:38	07/21/23 21:22	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2099201	1	07/19/23 15:38	07/21/23 12:59	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2098995	1	07/25/23 07:30	07/25/23 14:51	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2099026	1	07/22/23 19:54	07/23/23 07:03	MBE	Mt. Juliet, TN

SB-07 @ 60' L1635933-04 Solid

Collected by: J. Adams | Collected date/time: 07/14/23 10:30 | Received date/time: 07/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2096656	1	07/27/23 11:21	07/27/23 11:21	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2097140	1	07/18/23 23:10	07/19/23 11:12	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2097668	1	07/19/23 10:51	07/19/23 13:00	SJA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2097561	1	07/19/23 11:40	07/19/23 15:43	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2096659	1	07/25/23 04:24	07/25/23 11:59	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2097467	5	07/19/23 07:55	07/25/23 19:23	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2099223	1	07/19/23 15:38	07/21/23 21:45	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2099201	1	07/19/23 15:38	07/21/23 13:18	ADM	Mt. Juliet, TN

SB-07 @ 60' L1635933-04 Solid

Collected by: J. Adams
Collected date/time: 07/14/23 10:30
Received date/time: 07/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2098995	1	07/25/23 07:30	07/25/23 15:05	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2099026	1	07/22/23 19:54	07/23/23 07:20	MBE	Mt. Juliet, TN

SB-05 @ 20' L1635933-05 Solid

Collected by: J. Adams
Collected date/time: 07/14/23 11:20
Received date/time: 07/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2096656	1	07/27/23 11:24	07/27/23 11:24	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2097140	1	07/18/23 23:10	07/19/23 11:17	SET	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2097668	1	07/19/23 10:51	07/19/23 13:00	SJA	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2097561	1	07/19/23 11:40	07/19/23 15:43	NTG	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2096659	1	07/25/23 04:24	07/25/23 12:03	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2097467	5	07/19/23 07:55	07/25/23 20:00	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2099223	1	07/19/23 15:38	07/21/23 22:08	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2099201	1	07/19/23 15:38	07/21/23 13:37	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2098995	1	07/25/23 07:30	07/25/23 15:18	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG2099026	1	07/22/23 19:54	07/23/23 07:37	MBE	Mt. Juliet, TN

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

Chris Ward
Project Manager

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.362		1	07/27/2023 11:12	WG2096656

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	07/19/2023 10:46	WG2097140

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.64	T8	1	07/19/2023 13:00	WG2097668

Sample Narrative:

L1635933-01 WG2097668: 7.64 at 21.4C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	2630		10.0	1	07/19/2023 15:43	WG2097561

Sample Narrative:

L1635933-01 WG2097561: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.261		0.0167	0.200	1	07/25/2023 11:44	WG2096659

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	8.94		0.100	1.00	5	07/25/2023 19:40	WG2097467
Barium	148		0.152	2.50	5	07/25/2023 19:40	WG2097467
Cadmium	0.259	J	0.0855	1.00	5	07/25/2023 19:40	WG2097467
Copper	19.3		0.132	5.00	5	07/25/2023 19:40	WG2097467
Lead	11.5		0.0990	2.00	5	07/25/2023 19:40	WG2097467
Nickel	14.9		0.197	2.50	5	07/25/2023 19:40	WG2097467
Selenium	0.427	J	0.180	2.50	5	07/25/2023 19:40	WG2097467
Silver	0.103	J	0.0865	0.500	5	07/25/2023 19:40	WG2097467
Zinc	57.2		0.740	25.0	5	07/25/2023 19:40	WG2097467

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0742	B J	0.0217	0.100	1	07/21/2023 20:36	WG2099223
(S) a,a,a-Trifluorotoluene(FID)	*93.5*			*77.0-120*		*07/21/2023 20:36*	WG2099223

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	07/21/2023 12:21	WG2099201
Toluene	0.00143	J	0.00130	0.00500	1	07/21/2023 12:21	WG2099201
Ethylbenzene	U		0.000737	0.00250	1	07/21/2023 12:21	WG2099201
Xylenes, Total	0.00138	J	0.000880	0.00650	1	07/21/2023 12:21	WG2099201
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	07/21/2023 12:21	WG2099201
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	07/21/2023 12:21	WG2099201
(S) Toluene-d8	*108*			*75.0-131*		*07/21/2023 12:21*	WG2099201
(S) 4-Bromofluorobenzene	*89.2*			*67.0-138*		*07/21/2023 12:21*	WG2099201
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*07/21/2023 12:21*	WG2099201

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	07/25/2023 13:19	WG2098995
C28-C36 Motor Oil Range	1.52	J	0.274	4.00	1	07/25/2023 13:19	WG2098995
(S) o-Terphenyl	*50.5*			*18.0-148*		*07/25/2023 13:19*	WG2098995

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00230	0.00600	1	07/23/2023 05:53	WG2099026
Acenaphthene	U		0.00209	0.00600	1	07/23/2023 05:53	WG2099026
Acenaphthylene	U		0.00216	0.00600	1	07/23/2023 05:53	WG2099026
Benzo(a)anthracene	U		0.00173	0.00600	1	07/23/2023 05:53	WG2099026
Benzo(a)pyrene	U		0.00179	0.00600	1	07/23/2023 05:53	WG2099026
Benzo(b)fluoranthene	U		0.00153	0.00600	1	07/23/2023 05:53	WG2099026
Benzo(g,h,i)perylene	U		0.00177	0.00600	1	07/23/2023 05:53	WG2099026
Benzo(k)fluoranthene	U		0.00215	0.00600	1	07/23/2023 05:53	WG2099026
Chrysene	U		0.00232	0.00600	1	07/23/2023 05:53	WG2099026
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	07/23/2023 05:53	WG2099026
Fluoranthene	U		0.00227	0.00600	1	07/23/2023 05:53	WG2099026
Fluorene	U		0.00205	0.00600	1	07/23/2023 05:53	WG2099026
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	07/23/2023 05:53	WG2099026
Naphthalene	U		0.00408	0.0200	1	07/23/2023 05:53	WG2099026
Phenanthrene	U		0.00231	0.00600	1	07/23/2023 05:53	WG2099026
Pyrene	U		0.00200	0.00600	1	07/23/2023 05:53	WG2099026
1-Methylnaphthalene	U		0.00449	0.0200	1	07/23/2023 05:53	WG2099026
2-Methylnaphthalene	U		0.00427	0.0200	1	07/23/2023 05:53	WG2099026
2-Chloronaphthalene	U		0.00466	0.0200	1	07/23/2023 05:53	WG2099026
(S) p-Terphenyl-d14	*100*			*23.0-120*		*07/23/2023 05:53*	WG2099026
(S) Nitrobenzene-d5	*79.3*			*14.0-149*		*07/23/2023 05:53*	WG2099026
(S) 2-Fluorobiphenyl	*85.1*			*34.0-125*		*07/23/2023 05:53*	WG2099026

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.550		1	07/27/2023 11:15	WG2096656

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	07/19/2023 11:02	WG2097140

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.61	T8	1	07/19/2023 13:00	WG2097668

Sample Narrative:

L1635933-02 WG2097668: 7.61 at 21.2C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	2460		10.0	1	07/19/2023 15:43	WG2097561

Sample Narrative:

L1635933-02 WG2097561: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.332		0.0167	0.200	1	07/25/2023 11:47	WG2096659

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	8.25		0.100	1.00	5	07/25/2023 19:43	WG2097467
Barium	157		0.152	2.50	5	07/25/2023 19:43	WG2097467
Cadmium	0.225	J	0.0855	1.00	5	07/25/2023 19:43	WG2097467
Copper	18.2		0.132	5.00	5	07/25/2023 19:43	WG2097467
Lead	9.98		0.0990	2.00	5	07/25/2023 19:43	WG2097467
Nickel	12.9		0.197	2.50	5	07/25/2023 19:43	WG2097467
Selenium	0.439	J	0.180	2.50	5	07/25/2023 19:43	WG2097467
Silver	0.0879	J	0.0865	0.500	5	07/25/2023 19:43	WG2097467
Zinc	50.9		0.740	25.0	5	07/25/2023 19:43	WG2097467

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0694	B J	0.0217	0.100	1	07/21/2023 20:59	WG2099223
(S) a,a,a-Trifluorotoluene(FID)	*91.7*			*77.0-120*		*07/21/2023 20:59*	WG2099223

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	07/21/2023 12:40	WG2099201
Toluene	0.00133	J	0.00130	0.00500	1	07/21/2023 12:40	WG2099201
Ethylbenzene	U		0.000737	0.00250	1	07/21/2023 12:40	WG2099201
Xylenes, Total	0.00138	J	0.000880	0.00650	1	07/21/2023 12:40	WG2099201
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	07/21/2023 12:40	WG2099201
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	07/21/2023 12:40	WG2099201
(S) Toluene-d8	*109*			*75.0-131*		*07/21/2023 12:40*	WG2099201
(S) 4-Bromofluorobenzene	*92.9*			*67.0-138*		*07/21/2023 12:40*	WG2099201
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*07/21/2023 12:40*	WG2099201

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	07/25/2023 13:32	WG2098995
C28-C36 Motor Oil Range	3.62	J	0.274	4.00	1	07/25/2023 13:32	WG2098995
(S) o-Terphenyl	*39.7*			*18.0-148*		*07/25/2023 13:32*	WG2098995

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00230	0.00600	1	07/23/2023 06:45	WG2099026
Acenaphthene	U		0.00209	0.00600	1	07/23/2023 06:45	WG2099026
Acenaphthylene	U		0.00216	0.00600	1	07/23/2023 06:45	WG2099026
Benzo(a)anthracene	U		0.00173	0.00600	1	07/23/2023 06:45	WG2099026
Benzo(a)pyrene	U		0.00179	0.00600	1	07/23/2023 06:45	WG2099026
Benzo(b)fluoranthene	U		0.00153	0.00600	1	07/23/2023 06:45	WG2099026
Benzo(g,h,i)perylene	U		0.00177	0.00600	1	07/23/2023 06:45	WG2099026
Benzo(k)fluoranthene	U		0.00215	0.00600	1	07/23/2023 06:45	WG2099026
Chrysene	U		0.00232	0.00600	1	07/23/2023 06:45	WG2099026
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	07/23/2023 06:45	WG2099026
Fluoranthene	U		0.00227	0.00600	1	07/23/2023 06:45	WG2099026
Fluorene	U		0.00205	0.00600	1	07/23/2023 06:45	WG2099026
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	07/23/2023 06:45	WG2099026
Naphthalene	U		0.00408	0.0200	1	07/23/2023 06:45	WG2099026
Phenanthrene	U		0.00231	0.00600	1	07/23/2023 06:45	WG2099026
Pyrene	U		0.00200	0.00600	1	07/23/2023 06:45	WG2099026
1-Methylnaphthalene	U		0.00449	0.0200	1	07/23/2023 06:45	WG2099026
2-Methylnaphthalene	U		0.00427	0.0200	1	07/23/2023 06:45	WG2099026
2-Chloronaphthalene	U		0.00466	0.0200	1	07/23/2023 06:45	WG2099026
(S) p-Terphenyl-d14	*109*			*23.0-120*		*07/23/2023 06:45*	WG2099026
(S) Nitrobenzene-d5	*84.9*			*14.0-149*		*07/23/2023 06:45*	WG2099026
(S) 2-Fluorobiphenyl	*91.5*			*34.0-125*		*07/23/2023 06:45*	WG2099026

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.28		1	07/27/2023 11:18	WG2096656

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	07/19/2023 11:07	WG2097140

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.63	T8	1	07/19/2023 13:00	WG2097668

Sample Narrative:

L1635933-03 WG2097668: 7.63 at 21.4C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	1870		10.0	1	07/19/2023 15:43	WG2097561

Sample Narrative:

L1635933-03 WG2097561: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.138	J	0.0167	0.200	1	07/25/2023 11:51	WG2096659

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	8.18		0.100	1.00	5	07/25/2023 19:47	WG2097467
Barium	139		0.152	2.50	5	07/25/2023 19:47	WG2097467
Cadmium	0.200	J	0.0855	1.00	5	07/25/2023 19:47	WG2097467
Copper	16.7		0.132	5.00	5	07/25/2023 19:47	WG2097467
Lead	11.5		0.0990	2.00	5	07/25/2023 19:47	WG2097467
Nickel	12.3		0.197	2.50	5	07/25/2023 19:47	WG2097467
Selenium	0.396	J	0.180	2.50	5	07/25/2023 19:47	WG2097467
Silver	0.103	J	0.0865	0.500	5	07/25/2023 19:47	WG2097467
Zinc	48.8		0.740	25.0	5	07/25/2023 19:47	WG2097467

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.708		0.0217	0.100	1	07/21/2023 21:22	WG2099223
(S) a,a,a-Trifluorotoluene(FID)	*88.3*			*77.0-120*		*07/21/2023 21:22*	WG2099223

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.000825	J	0.000467	0.00100	1	07/21/2023 12:59	WG2099201
Toluene	0.00140	J	0.00130	0.00500	1	07/21/2023 12:59	WG2099201
Ethylbenzene	0.00950		0.000737	0.00250	1	07/21/2023 12:59	WG2099201
Xylenes, Total	0.00353	J	0.000880	0.00650	1	07/21/2023 12:59	WG2099201
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	07/21/2023 12:59	WG2099201
1,3,5-Trimethylbenzene	0.0487		0.00200	0.00500	1	07/21/2023 12:59	WG2099201
(S) Toluene-d8	*107*			*75.0-131*		*07/21/2023 12:59*	WG2099201
(S) 4-Bromofluorobenzene	*94.8*			*67.0-138*		*07/21/2023 12:59*	WG2099201
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*07/21/2023 12:59*	WG2099201

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	3.19	J	1.61	4.00	1	07/25/2023 14:51	WG2098995
C28-C36 Motor Oil Range	7.63		0.274	4.00	1	07/25/2023 14:51	WG2098995
(S) o-Terphenyl	*50.5*			*18.0-148*		*07/25/2023 14:51*	WG2098995

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00230	0.00600	1	07/23/2023 07:03	WG2099026
Acenaphthene	U		0.00209	0.00600	1	07/23/2023 07:03	WG2099026
Acenaphthylene	U		0.00216	0.00600	1	07/23/2023 07:03	WG2099026
Benzo(a)anthracene	U		0.00173	0.00600	1	07/23/2023 07:03	WG2099026
Benzo(a)pyrene	U		0.00179	0.00600	1	07/23/2023 07:03	WG2099026
Benzo(b)fluoranthene	U		0.00153	0.00600	1	07/23/2023 07:03	WG2099026
Benzo(g,h,i)perylene	U		0.00177	0.00600	1	07/23/2023 07:03	WG2099026
Benzo(k)fluoranthene	U		0.00215	0.00600	1	07/23/2023 07:03	WG2099026
Chrysene	U		0.00232	0.00600	1	07/23/2023 07:03	WG2099026
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	07/23/2023 07:03	WG2099026
Fluoranthene	U		0.00227	0.00600	1	07/23/2023 07:03	WG2099026
Fluorene	U		0.00205	0.00600	1	07/23/2023 07:03	WG2099026
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	07/23/2023 07:03	WG2099026
Naphthalene	0.0108	J	0.00408	0.0200	1	07/23/2023 07:03	WG2099026
Phenanthrene	U		0.00231	0.00600	1	07/23/2023 07:03	WG2099026
Pyrene	U		0.00200	0.00600	1	07/23/2023 07:03	WG2099026
1-Methylnaphthalene	U		0.00449	0.0200	1	07/23/2023 07:03	WG2099026
2-Methylnaphthalene	U		0.00427	0.0200	1	07/23/2023 07:03	WG2099026
2-Chloronaphthalene	U		0.00466	0.0200	1	07/23/2023 07:03	WG2099026
(S) p-Terphenyl-d14	*108*			*23.0-120*		*07/23/2023 07:03*	WG2099026
(S) Nitrobenzene-d5	*84.3*			*14.0-149*		*07/23/2023 07:03*	WG2099026
(S) 2-Fluorobiphenyl	*85.2*			*34.0-125*		*07/23/2023 07:03*	WG2099026

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.76		1	07/27/2023 11:21	WG2096656

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	07/19/2023 11:12	WG2097140

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.56	T8	1	07/19/2023 13:00	WG2097668

Sample Narrative:

L1635933-04 WG2097668: 7.56 at 21.2C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	3600		10.0	1	07/19/2023 15:43	WG2097561

Sample Narrative:

L1635933-04 WG2097561: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.166	J	0.0167	0.200	1	07/25/2023 11:59	WG2096659

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	9.67		0.100	1.00	5	07/25/2023 19:23	WG2097467
Barium	176	J3 J5 J6	0.152	2.50	5	07/25/2023 19:23	WG2097467
Cadmium	0.204	J	0.0855	1.00	5	07/25/2023 19:23	WG2097467
Copper	15.5		0.132	5.00	5	07/25/2023 19:23	WG2097467
Lead	9.77		0.0990	2.00	5	07/25/2023 19:23	WG2097467
Nickel	11.9		0.197	2.50	5	07/25/2023 19:23	WG2097467
Selenium	0.356	J	0.180	2.50	5	07/25/2023 19:23	WG2097467
Silver	0.103	J	0.0865	0.500	5	07/25/2023 19:23	WG2097467
Zinc	47.1	J3	0.740	25.0	5	07/25/2023 19:23	WG2097467

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	2.26		0.0217	0.100	1	07/21/2023 21:45	WG2099223
(S) a,a,a-Trifluorotoluene(FID)	*88.9*			*77.0-120*		*07/21/2023 21:45*	WG2099223

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00173		0.000467	0.00100	1	07/21/2023 13:18	WG2099201
Toluene	0.00155	J	0.00130	0.00500	1	07/21/2023 13:18	WG2099201
Ethylbenzene	0.129		0.000737	0.00250	1	07/21/2023 13:18	WG2099201
Xylenes, Total	0.0298		0.000880	0.00650	1	07/21/2023 13:18	WG2099201
1,2,4-Trimethylbenzene	0.00298	J	0.00158	0.00500	1	07/21/2023 13:18	WG2099201
1,3,5-Trimethylbenzene	0.0328		0.00200	0.00500	1	07/21/2023 13:18	WG2099201
(S) Toluene-d8	*108*			*75.0-131*		*07/21/2023 13:18*	WG2099201
(S) 4-Bromofluorobenzene	*94.4*			*67.0-138*		*07/21/2023 13:18*	WG2099201
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*		*07/21/2023 13:18*	WG2099201

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	2.08	J	1.61	4.00	1	07/25/2023 15:05	WG2098995
C28-C36 Motor Oil Range	6.91		0.274	4.00	1	07/25/2023 15:05	WG2098995
(S) o-Terphenyl	*42.6*			*18.0-148*		*07/25/2023 15:05*	WG2098995

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00230	0.00600	1	07/23/2023 07:20	WG2099026
Acenaphthene	U		0.00209	0.00600	1	07/23/2023 07:20	WG2099026
Acenaphthylene	U		0.00216	0.00600	1	07/23/2023 07:20	WG2099026
Benzo(a)anthracene	U		0.00173	0.00600	1	07/23/2023 07:20	WG2099026
Benzo(a)pyrene	U		0.00179	0.00600	1	07/23/2023 07:20	WG2099026
Benzo(b)fluoranthene	U		0.00153	0.00600	1	07/23/2023 07:20	WG2099026
Benzo(g,h,i)perylene	U		0.00177	0.00600	1	07/23/2023 07:20	WG2099026
Benzo(k)fluoranthene	U		0.00215	0.00600	1	07/23/2023 07:20	WG2099026
Chrysene	U		0.00232	0.00600	1	07/23/2023 07:20	WG2099026
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	07/23/2023 07:20	WG2099026
Fluoranthene	U		0.00227	0.00600	1	07/23/2023 07:20	WG2099026
Fluorene	U		0.00205	0.00600	1	07/23/2023 07:20	WG2099026
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	07/23/2023 07:20	WG2099026
Naphthalene	U		0.00408	0.0200	1	07/23/2023 07:20	WG2099026
Phenanthrene	U		0.00231	0.00600	1	07/23/2023 07:20	WG2099026
Pyrene	U		0.00200	0.00600	1	07/23/2023 07:20	WG2099026
1-Methylnaphthalene	U		0.00449	0.0200	1	07/23/2023 07:20	WG2099026
2-Methylnaphthalene	U		0.00427	0.0200	1	07/23/2023 07:20	WG2099026
2-Chloronaphthalene	U		0.00466	0.0200	1	07/23/2023 07:20	WG2099026
(S) p-Terphenyl-d14	*106*			*23.0-120*		*07/23/2023 07:20*	WG2099026
(S) Nitrobenzene-d5	*78.8*			*14.0-149*		*07/23/2023 07:20*	WG2099026
(S) 2-Fluorobiphenyl	*85.1*			*34.0-125*		*07/23/2023 07:20*	WG2099026

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.28		1	07/27/2023 11:24	WG2096656

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	U		0.255	1.00	1	07/19/2023 11:17	WG2097140

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.80	T8	1	07/19/2023 13:00	WG2097668

Sample Narrative:

L1635933-05 WG2097668: 7.8 at 21.3C

Wet Chemistry by Method 9050AMod

Analyte	Result umhos/cm	Qualifier	RDL umhos/cm	Dilution	Analysis date / time	Batch
Specific Conductance	2880		10.0	1	07/19/2023 15:43	WG2097561

Sample Narrative:

L1635933-05 WG2097561: at 25C

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.183	J	0.0167	0.200	1	07/25/2023 12:03	WG2096659

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	8.71		0.100	1.00	5	07/25/2023 20:00	WG2097467
Barium	227		0.152	2.50	5	07/25/2023 20:00	WG2097467
Cadmium	0.209	J	0.0855	1.00	5	07/25/2023 20:00	WG2097467
Copper	14.1		0.132	5.00	5	07/25/2023 20:00	WG2097467
Lead	9.19		0.0990	2.00	5	07/25/2023 20:00	WG2097467
Nickel	10.7		0.197	2.50	5	07/25/2023 20:00	WG2097467
Selenium	0.438	J	0.180	2.50	5	07/25/2023 20:00	WG2097467
Silver	U		0.0865	0.500	5	07/25/2023 20:00	WG2097467
Zinc	42.7		0.740	25.0	5	07/25/2023 20:00	WG2097467

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0608	B J	0.0217	0.100	1	07/21/2023 22:08	WG2099223
(S) a,a,a-Trifluorotoluene(FID)	*92.2*			*77.0-120*		*07/21/2023 22:08*	WG2099223

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000467	0.00100	1	07/21/2023 13:37	WG2099201
Toluene	0.00145	J	0.00130	0.00500	1	07/21/2023 13:37	WG2099201
Ethylbenzene	U		0.000737	0.00250	1	07/21/2023 13:37	WG2099201
Xylenes, Total	0.00155	J	0.000880	0.00650	1	07/21/2023 13:37	WG2099201
1,2,4-Trimethylbenzene	U		0.00158	0.00500	1	07/21/2023 13:37	WG2099201
1,3,5-Trimethylbenzene	U		0.00200	0.00500	1	07/21/2023 13:37	WG2099201
(S) Toluene-d8	*111*			*75.0-131*		*07/21/2023 13:37*	WG2099201
(S) 4-Bromofluorobenzene	*92.6*			*67.0-138*		*07/21/2023 13:37*	WG2099201
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*		*07/21/2023 13:37*	WG2099201

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	4.62		1.61	4.00	1	07/25/2023 15:18	WG2098995
C28-C36 Motor Oil Range	14.5		0.274	4.00	1	07/25/2023 15:18	WG2098995
(S) o-Terphenyl	*51.2*			*18.0-148*		*07/25/2023 15:18*	WG2098995

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00230	0.00600	1	07/23/2023 07:37	WG2099026
Acenaphthene	U		0.00209	0.00600	1	07/23/2023 07:37	WG2099026
Acenaphthylene	U		0.00216	0.00600	1	07/23/2023 07:37	WG2099026
Benzo(a)anthracene	U		0.00173	0.00600	1	07/23/2023 07:37	WG2099026
Benzo(a)pyrene	U		0.00179	0.00600	1	07/23/2023 07:37	WG2099026
Benzo(b)fluoranthene	U		0.00153	0.00600	1	07/23/2023 07:37	WG2099026
Benzo(g,h,i)perylene	U		0.00177	0.00600	1	07/23/2023 07:37	WG2099026
Benzo(k)fluoranthene	U		0.00215	0.00600	1	07/23/2023 07:37	WG2099026
Chrysene	U		0.00232	0.00600	1	07/23/2023 07:37	WG2099026
Dibenz(a,h)anthracene	U		0.00172	0.00600	1	07/23/2023 07:37	WG2099026
Fluoranthene	U		0.00227	0.00600	1	07/23/2023 07:37	WG2099026
Fluorene	U		0.00205	0.00600	1	07/23/2023 07:37	WG2099026
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600	1	07/23/2023 07:37	WG2099026
Naphthalene	U		0.00408	0.0200	1	07/23/2023 07:37	WG2099026
Phenanthrene	U		0.00231	0.00600	1	07/23/2023 07:37	WG2099026
Pyrene	U		0.00200	0.00600	1	07/23/2023 07:37	WG2099026
1-Methylnaphthalene	U		0.00449	0.0200	1	07/23/2023 07:37	WG2099026
2-Methylnaphthalene	U		0.00427	0.0200	1	07/23/2023 07:37	WG2099026
2-Chloronaphthalene	U		0.00466	0.0200	1	07/23/2023 07:37	WG2099026
(S) p-Terphenyl-d14	*91.8*			*23.0-120*		*07/23/2023 07:37*	WG2099026
(S) Nitrobenzene-d5	*70.6*			*14.0-149*		*07/23/2023 07:37*	WG2099026
(S) 2-Fluorobiphenyl	*78.4*			*34.0-125*		*07/23/2023 07:37*	WG2099026

QUALITY CONTROL SUMMARY

L1635933-01,02,03,04,05

Method Blank (MB)

(MB) R3950312-1 07/19/23 08:55

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

L1635893-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1635893-02 07/19/23 09:13 • (DUP) R3950312-3 07/19/23 09:18

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

L1635933-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1635933-05 07/19/23 11:17 • (DUP) R3950312-8 07/19/23 11:22

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

Laboratory Control Sample (LCS)

(LCS) R3950312-2 07/19/23 09:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	10.8	108	80.0-120	

L1635908-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635908-02 07/19/23 09:59 • (MS) R3950312-4 07/19/23 10:04 • (MSD) R3950312-5 07/19/23 10:10

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	U	16.8	17.5	83.8	87.5	1	75.0-125			4.38	20

L1635908-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1635908-02 07/19/23 09:59 • (MS) R3950312-6 07/19/23 10:15

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	638	U	868	136	50	75.0-125	J5

L1635933-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1635933-01 07/19/23 13:00 • (DUP) R3950290-2 07/19/23 13:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.64	7.66	1	0.261		1

Sample Narrative:

OS: 7.64 at 21.4C

DUP: 7.66 at 21.4C

Laboratory Control Sample (LCS)

(LCS) R3950290-1 07/19/23 13:00

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

Sample Narrative:

LCS: 10 at 21C

Method Blank (MB)

(MB) R3950375-1 07/19/23 15:43

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

L1635893-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1635893-01 07/19/23 15:43 • (DUP) R3950375-3 07/19/23 15:43

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	1840	1810	1	1.37		20

Sample Narrative:
OS: at 25C
DUP: at 25C

L1636321-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1636321-02 07/19/23 15:43 • (DUP) R3950375-4 07/19/23 15:43

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	194	197	1	1.69		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3950375-2 07/19/23 15:43

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	732	727	99.3	85.0-115	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R3952443-1 07/25/23 11:25

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) R3952443-2 07/25/23 11:28 • (LCSD) R3952443-3 07/25/23 11:30

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	1.13	1.14	113	114	80.0-120			1.00	20

QUALITY CONTROL SUMMARY

L1635933-01,02,03,04,05

Method Blank (MB)

(MB) R3952620-1 07/25/23 19:16

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

Laboratory Control Sample (LCS)

(LCS) R3952620-2 07/25/23 19:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	103	103	80.0-120	
Barium	100	92.2	92.2	80.0-120	
Cadmium	100	101	101	80.0-120	
Copper	100	118	118	80.0-120	
Lead	100	95.1	95.1	80.0-120	
Nickel	100	102	102	80.0-120	
Selenium	100	103	103	80.0-120	
Silver	20.0	19.3	96.5	80.0-120	
Zinc	100	98.4	98.4	80.0-120	

L1635933-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635933-04 07/25/23 19:23 • (MS) R3952620-5 07/25/23 19:33 • (MSD) R3952620-6 07/25/23 19:37

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 %
Arsenic	100	9.67	100	103	90.5	93.3	5	75.0-125			2.76	20
Barium	100	176	245	593	69.0	417	5	75.0-125	J6	J3 J5	83.0	20
Cadmium	100	0.204	95.3	98.4	95.1	98.2	5	75.0-125			3.20	20
Copper	100	15.5	96.0	101	80.5	85.5	5	75.0-125			5.15	20
Lead	100	9.77	98.9	105	89.1	95.1	5	75.0-125			5.87	20
Nickel	100	11.9	100	109	88.1	97.1	5	75.0-125			8.61	20
Selenium	100	0.356	98.0	103	97.6	103	5	75.0-125	E	E	5.35	20
Silver	20.0	0.103	19.0	19.4	94.5	96.2	5	75.0-125			1.87	20
Zinc	100	47.1	134	164	87.2	117	5	75.0-125		J3	20.2	20

Method Blank (MB)

(MB) R3951532-3 07/21/23 16:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0276	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*96.8*			*77.0-120*

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

(LCS) R3951532-1 07/21/23 13:22 • (LCSD) R3951532-2 07/21/23 14:59

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 %
TPH (GC/FID) Low Fraction	5.50	4.12	4.21	74.9	76.5	72.0-127			2.16	20
(S) a,a,a-Trifluorotoluene(FID)				*97.3*	*97.8*	*77.0-120*				

Method Blank (MB)

(MB) R3951341-3 07/21/23 10:26

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	*109*			*75.0-131*
(S) 4-Bromofluorobenzene	*93.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*96.5*			*70.0-130*

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

(LCS) R3951341-1 07/21/23 08:53 • (LCSD) R3951341-2 07/21/23 09:12

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	0.119	0.119	95.2	95.2	70.0-123			0.000	20
Toluene	0.125	0.117	0.115	93.6	92.0	75.0-121			1.72	20
Ethylbenzene	0.125	0.114	0.111	91.2	88.8	74.0-126			2.67	20
Xylenes, Total	0.375	0.317	0.312	84.5	83.2	72.0-127			1.59	20
1,2,4-Trimethylbenzene	0.125	0.107	0.113	85.6	90.4	70.0-126			5.45	20
1,3,5-Trimethylbenzene	0.125	0.108	0.115	86.4	92.0	73.0-127			6.28	20
(S) Toluene-d8				*106*	*103*	*75.0-131*				
(S) 4-Bromofluorobenzene				*93.9*	*90.6*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*106*	*103*	*70.0-130*				

L1635933-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635933-05 07/21/23 13:37 • (MS) R3951341-4 07/21/23 17:39 • (MSD) R3951341-5 07/21/23 17:58

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 %
Benzene	0.125	U	0.0901	0.113	72.1	90.4	1	10.0-149			22.6	37
Toluene	0.125	0.00145	0.0947	0.118	75.8	94.4	1	10.0-156			21.9	38
Ethylbenzene	0.125	U	0.0883	0.113	70.6	90.4	1	10.0-160			24.5	38
Xylenes, Total	0.375	0.00155	0.252	0.310	67.2	82.7	1	10.0-160			20.6	38
1,2,4-Trimethylbenzene	0.125	U	0.0871	0.106	69.7	84.8	1	10.0-160			19.6	36
1,3,5-Trimethylbenzene	0.125	U	0.0893	0.112	71.4	89.6	1	10.0-160			22.6	38
(S) Toluene-d8					*107*	*107*		*75.0-131*				
(S) 4-Bromofluorobenzene					*91.0*	*92.3*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*100*	*95.1*		*70.0-130*				

Method Blank (MB)

(MB) R3952611-1 07/25/23 11:47

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	*56.5*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3952611-2 07/25/23 12:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	29.5	59.0	50.0-150	
(S) o-Terphenyl			*51.7*	*18.0-148*	

L1635933-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635933-02 07/25/23 13:32 • (MS) R3952611-3 07/25/23 13:45 • (MSD) R3952611-4 07/25/23 13:59

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	50.0	U	29.6	27.2	59.2	54.4	1	50.0-150			8.45	20
(S) o-Terphenyl					*50.5*	*34.5*		*18.0-148*				

Method Blank (MB)

(MB) R3952956-2 07/23/23 02:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	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
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) p-Terphenyl-d14	*81.1*			*23.0-120*
(S) Nitrobenzene-d5	*52.5*			*14.0-149*
(S) 2-Fluorobiphenyl	*66.3*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R3952956-1 07/23/23 02:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0663	82.9	50.0-126	
Acenaphthene	0.0800	0.0648	81.0	50.0-120	
Acenaphthylene	0.0800	0.0687	85.9	50.0-120	
Benzo(a)anthracene	0.0800	0.0676	84.5	45.0-120	
Benzo(a)pyrene	0.0800	0.0701	87.6	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0659	82.4	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0711	88.9	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0653	81.6	49.0-125	
Chrysene	0.0800	0.0701	87.6	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0667	83.4	47.0-125	
Fluoranthene	0.0800	0.0714	89.3	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3952956-1 07/23/23 02:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0707	88.4	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0730	91.3	46.0-125	
Naphthalene	0.0800	0.0627	78.4	50.0-120	
Phenanthrene	0.0800	0.0657	82.1	47.0-120	
Pyrene	0.0800	0.0698	87.3	43.0-123	
1-Methylnaphthalene	0.0800	0.0665	83.1	51.0-121	
2-Methylnaphthalene	0.0800	0.0679	84.9	50.0-120	
2-Chloronaphthalene	0.0800	0.0653	81.6	50.0-120	
(S) p-Terphenyl-d14			*97.1*	*23.0-120*	
(S) Nitrobenzene-d5			*77.1*	*14.0-149*	
(S) 2-Fluorobiphenyl			*87.6*	*34.0-125*	

L1635933-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635933-01 07/23/23 05:53 • (MS) R3952956-3 07/23/23 06:11 • (MSD) R3952956-4 07/23/23 06:28

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 %
Anthracene	0.0800	U	0.0608	0.0624	76.0	78.0	1	10.0-145			2.60	30
Acenaphthene	0.0800	U	0.0649	0.0642	81.1	80.3	1	14.0-127			1.08	27
Acenaphthylene	0.0800	U	0.0658	0.0662	82.3	82.8	1	21.0-124			0.606	25
Benzo(a)anthracene	0.0800	U	0.0658	0.0657	82.3	82.1	1	10.0-139			0.152	30
Benzo(a)pyrene	0.0800	U	0.0728	0.0752	91.0	94.0	1	10.0-141			3.24	31
Benzo(b)fluoranthene	0.0800	U	0.0689	0.0700	86.1	87.5	1	10.0-140			1.58	36
Benzo(g,h,i)perylene	0.0800	U	0.0714	0.0742	89.3	92.8	1	10.0-140			3.85	33
Benzo(k)fluoranthene	0.0800	U	0.0665	0.0697	83.1	87.1	1	10.0-137			4.70	31
Chrysene	0.0800	U	0.0687	0.0701	85.9	87.6	1	10.0-145			2.02	30
Dibenz(a,h)anthracene	0.0800	U	0.0629	0.0663	78.6	82.9	1	10.0-132			5.26	31
Fluoranthene	0.0800	U	0.0702	0.0711	87.8	88.9	1	10.0-153			1.27	33
Fluorene	0.0800	U	0.0691	0.0704	86.4	88.0	1	11.0-130			1.86	29
Indeno(1,2,3-cd)pyrene	0.0800	U	0.0683	0.0701	85.4	87.6	1	10.0-137			2.60	32
Naphthalene	0.0800	U	0.0625	0.0594	78.1	74.3	1	10.0-135			5.09	27
Phenanthrene	0.0800	U	0.0656	0.0666	82.0	83.3	1	10.0-144			1.51	31
Pyrene	0.0800	U	0.0718	0.0741	89.8	92.6	1	10.0-148			3.15	35
1-Methylnaphthalene	0.0800	U	0.0667	0.0643	83.4	80.4	1	10.0-142			3.66	28
2-Methylnaphthalene	0.0800	U	0.0666	0.0647	83.3	80.9	1	10.0-137			2.89	28
2-Chloronaphthalene	0.0800	U	0.0651	0.0648	81.4	81.0	1	29.0-120			0.462	24
(S) p-Terphenyl-d14					*101*	*87.9*		*23.0-120*				
(S) Nitrobenzene-d5					*78.8*	*72.2*		*14.0-149*				
(S) 2-Fluorobiphenyl					*87.2*	*78.1*		*34.0-125*				

Guide to Reading and Understanding Your Laboratory Report

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

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(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
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
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.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
T8	Sample(s) received past/too close to holding time expiration.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

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

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Pace Analytical®
National Center for Testing & Innovation

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Mount Juliet, TN 37122
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Client:	Billing Info:
HRL Compliance Solutions Inc. 2385 F 1/2 RD Grand Junction, CO 81505	HRL - Attn Melissa DeRose
Report To: Joel Adams	E-Mail: jadams@hrlcomp.com

Project Description:	City/State Collected:
UGC DPU 7712 Soil Delineation	COLORADO

Phone: 970-243-3271 Fax: 970-243-4380	Client Project #:	Lab Project #
Collected By: J. Adams	Site/Facility ID: DPU 7712	P.O. #
Collected By (Signature): Joel Adams Immediately Packed on Ice N____ Y X	**Rush** ? (lab must be notified) ____Same Day--------- (200%) ____Next Day---------- (100%) ____Two Day----------(50%) ____Three Day---------(25%)	Date Results Needed: STD 5 Day Email? __No X Yes Fax? X No __Yes

L# K153

Ta

Acct #: HRLCSCO

Template: L1635933

Prelogin:

PM: 824 - Chris Ward

PB:

Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. Of Cntrs	Full COGCC Table 915-1	pH/EC/SAR	Arsenic	Rem/Contaminant	Sample #
SB-06 @ 20'	Grab	SS	20'	7/13/2023	10:15	3	X				-01
SB-07 @ 20'	Grab	SS	20'	7/13/2023	13:00	3	X				-02
SB-07 @ 40'	Grab	SS	40'	7/13/2023	14:00	3	X				-03
SB-07 @ 60'	Grab	SS	60'	7/14/2023	10:30	3	X				-04
SB-05 @ 20'	Grab	SS	20'	7/14/2023	11:20	3	X				-05

5882 7564 6725

Sample Receipt Checklist

COC Seal Present/Intact:	✓Y N	If Applicable	
COC Signed/Accurate:	✓Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	✓Y N	Pres.Correct/Check:	Y N
Correct bottles used:	✓Y N	GBAC	
Sufficient volume sent:	✓Y N		
RAD Screen <0.5 mR/hr:	✓Y N	2.5+0=2.5	

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

Remarks: Keep Remiaining soil for additional analysis (if needed)

pH____ Temp____ Flow____ Other____

Hold #

Relinquished by (Sign)	Date:	Time:	Relinquished by (Sign)	Samples Returned Via	Condition: (Lab Use)
Joel Adams	7-14-23	16:00		__UPS __FedEx Courier	
Relinquished by (Sign)	Date: 7/14/23	Time: 1800	Relinquished by (Sign)	Temp: °C # Bot: 15	COC Seal Intact __Y __N
Relinquished by (Sign)	Date:	Time:	Received for lab by (Sign): Caleb Tacp	Date: 7/15/23 Time: 09:00	pH Checked / NCF: