ANALYTICAL REPORT

June 05, 2025

Chevron - CO

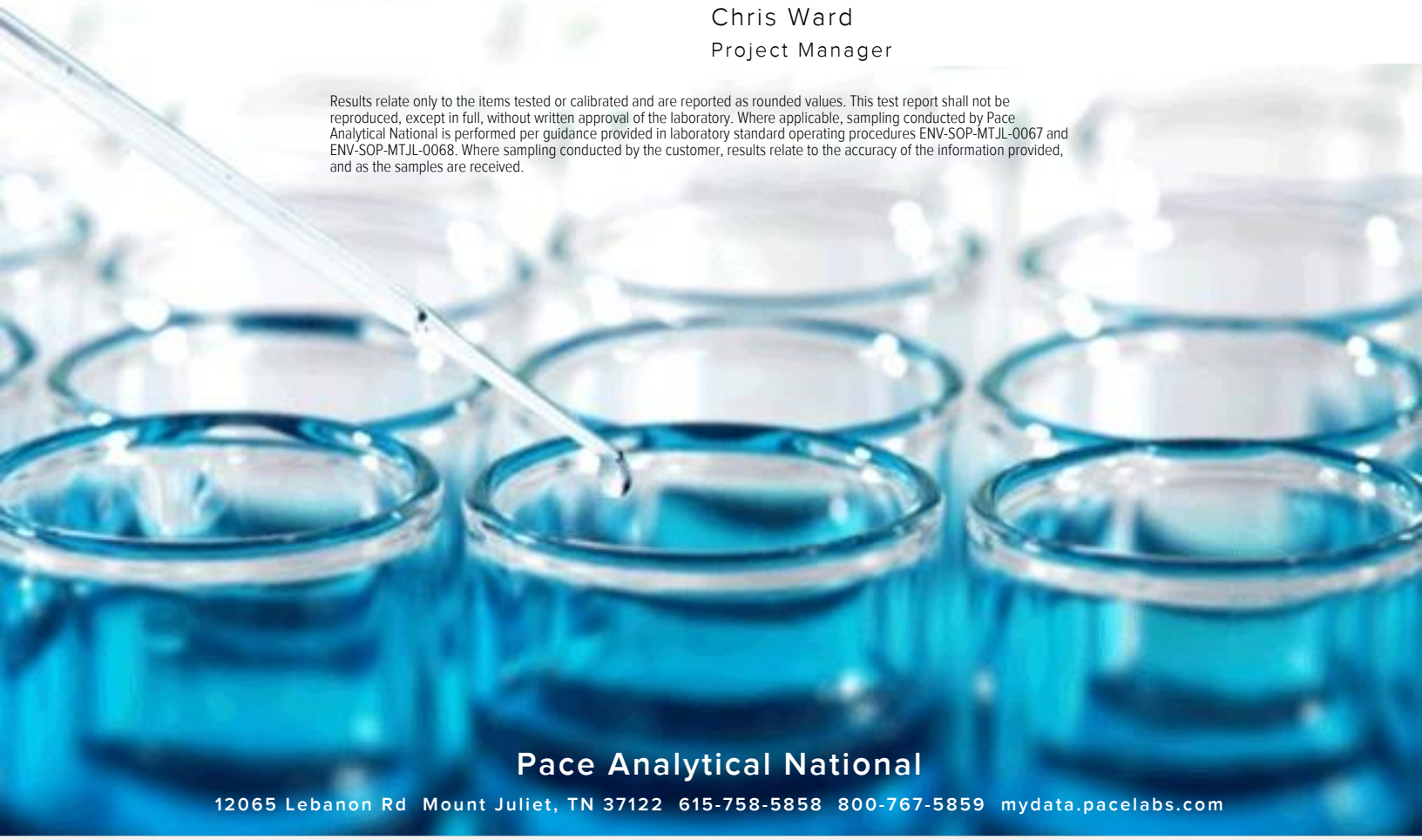
Sample Delivery Group:	L1862500
Samples Received:	05/23/2025
Project Number:	
Description:	Frank 6LL

Report To:

CDH Team
2115 117th Avenue
Greeley, CO 80631

Entire Report Reviewed By:

Chris Ward
Project Manager



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

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SAMPLE SUMMARY

FL01-W-R@4' L1862500-01

Collected by: Simon Hertzler | Collected date/time: 05/21/25 10:38 | Received date/time: 05/23/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524691	1	05/29/25 15:19	05/29/25 15:19	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2524762	1	05/30/25 19:29	06/04/25 14:30	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2526050	1	05/29/25 10:26	05/29/25 10:39	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2526057	1	05/29/25 10:28	05/29/25 16:30	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524692	1	05/28/25 10:58	05/28/25 16:40	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2526218	5	05/30/25 16:58	06/04/25 15:45	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2528823	1	05/27/25 14:06	06/02/25 15:48	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2524845	1	05/27/25 14:06	05/27/25 21:33	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2528066	1	06/01/25 16:29	06/02/25 19:49	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2525854	1	05/29/25 08:22	05/30/25 21:43	VDR	Mt. Juliet, TN

FL01-S-R@4' L1862500-02

Collected by: Simon Hertzler | Collected date/time: 05/22/25 08:20 | Received date/time: 05/23/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524686	1	05/29/25 11:10	05/29/25 11:10	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2524762	1	05/30/25 19:29	06/04/25 14:39	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2525954	1	05/29/25 08:57	05/29/25 10:39	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2525959	1	05/29/25 08:59	05/29/25 17:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524698	1	05/28/25 09:11	05/28/25 18:31	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2526218	5	05/30/25 16:58	06/04/25 15:48	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2526321	1	05/27/25 14:06	05/29/25 23:13	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2524845	1	05/27/25 14:06	05/27/25 21:52	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2528095	1	06/01/25 07:30	06/02/25 07:07	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2525854	1	05/29/25 08:22	05/30/25 22:01	VDR	Mt. Juliet, TN

BKG01@4' L1862500-03

Collected by: Simon Hertzler | Collected date/time: 05/22/25 09:42 | Received date/time: 05/23/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524688	1	05/30/25 15:37	05/30/25 15:37	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2524756	1	05/30/25 14:21	06/04/25 04:25	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2527412	1	05/30/25 15:41	05/30/25 23:00	CJW	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2527455	1	05/30/25 16:30	06/02/25 18:33	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524694	1	05/29/25 19:49	05/30/25 12:01	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2526218	5	05/30/25 16:58	06/04/25 15:51	JDB	Mt. Juliet, TN

BKG02@4' L1862500-04

Collected by: Simon Hertzler | Collected date/time: 05/22/25 09:47 | Received date/time: 05/23/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524686	1	05/29/25 11:13	05/29/25 11:13	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2524756	1	05/30/25 14:21	06/04/25 04:34	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2525954	1	05/29/25 08:57	05/29/25 10:39	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2525959	1	05/29/25 08:59	05/29/25 17:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524698	1	05/28/25 09:11	05/28/25 18:33	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2526218	5	05/30/25 16:58	06/04/25 15:54	JDB	Mt. Juliet, TN

SAMPLE SUMMARY

BKG03@4' L1862500-05

Collected by: Simon Hertzler
Collected date/time: 05/22/25 09:53
Received date/time: 05/23/25 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524686	1	05/29/25 11:16	05/29/25 11:16	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2524756	1	05/30/25 14:21	06/04/25 04:44	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2525954	1	05/29/25 08:57	05/29/25 10:39	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2525959	1	05/29/25 08:59	05/29/25 17:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524698	1	05/28/25 09:11	05/28/25 18:35	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2526218	5	05/30/25 16:58	06/04/25 15:57	JDB	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	1.65		1	05/29/2025 15:19	WG2524691

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	06/04/2025 14:30	WG2524762

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.87		1	05/29/2025 10:39	WG2526050

Sample Narrative:

L1862500-01 WG2526050: 7.87 at 22.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.340	mmhos/cm		0.0100	1	05/29/2025 16:30	WG2526057

Sample Narrative:

L1862500-01 WG2526057: 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	05/28/2025 16:40	WG2524692

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.70		0.100	5	06/04/2025 15:45	WG2526218
Barium	59.9		10.0	5	06/04/2025 15:45	WG2526218
Cadmium	0.204		0.100	5	06/04/2025 15:45	WG2526218
Copper	ND		10.0	5	06/04/2025 15:45	WG2526218
Lead	ND		10.0	5	06/04/2025 15:45	WG2526218
Nickel	ND		10.0	5	06/04/2025 15:45	WG2526218
Selenium	0.166		0.100	5	06/04/2025 15:45	WG2526218
Silver	ND		0.500	5	06/04/2025 15:45	WG2526218
Zinc	ND		50.0	5	06/04/2025 15:45	WG2526218

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	06/02/2025 15:48	WG2528823
(S) a,a,a-Trifluorotoluene(FID)	*97.9*		*77.0-120*		*06/02/2025 15:48*	WG2528823

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	05/27/2025 21:33	WG2524845
Ethylbenzene	ND		0.0100	1	05/27/2025 21:33	WG2524845
Toluene	ND		0.0100	1	05/27/2025 21:33	WG2524845
1,2,4-Trimethylbenzene	ND		0.00500	1	05/27/2025 21:33	WG2524845
1,3,5-Trimethylbenzene	ND		0.00500	1	05/27/2025 21:33	WG2524845
Xylenes, Total	ND		0.100	1	05/27/2025 21:33	WG2524845
(S) Toluene-d8	*101*		*75.0-131*		*05/27/2025 21:33*	WG2524845
(S) 4-Bromofluorobenzene	*97.8*		*67.0-138*		*05/27/2025 21:33*	WG2524845
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*05/27/2025 21:33*	WG2524845

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	06/02/2025 19:49	WG2528066
C28-C36 Motor Oil Range	ND		4.00	1	06/02/2025 19:49	WG2528066
(S) o-Terphenyl	*41.4*		*18.0-148*		*06/02/2025 19:49*	WG2528066

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/30/2025 21:43	WG2525854
Acenaphthene	ND		0.0330	1	05/30/2025 21:43	WG2525854
Acenaphthylene	ND		0.0330	1	05/30/2025 21:43	WG2525854
Benzo(a)anthracene	ND		0.00600	1	05/30/2025 21:43	WG2525854
Benzo(a)pyrene	ND		0.0330	1	05/30/2025 21:43	WG2525854
Benzo(b)fluoranthene	ND		0.0330	1	05/30/2025 21:43	WG2525854
Benzo(g,h,i)perylene	ND		0.0330	1	05/30/2025 21:43	WG2525854
Benzo(k)fluoranthene	ND		0.0330	1	05/30/2025 21:43	WG2525854
Chrysene	ND		0.0330	1	05/30/2025 21:43	WG2525854
Dibenz(a,h)anthracene	ND		0.0330	1	05/30/2025 21:43	WG2525854
Fluoranthene	ND		0.0330	1	05/30/2025 21:43	WG2525854
Fluorene	ND		0.0330	1	05/30/2025 21:43	WG2525854
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/30/2025 21:43	WG2525854
Naphthalene	ND		0.00300	1	05/30/2025 21:43	WG2525854
Phenanthrene	ND		0.0330	1	05/30/2025 21:43	WG2525854
Pyrene	ND		0.0330	1	05/30/2025 21:43	WG2525854
1-Methylnaphthalene	ND		0.00300	1	05/30/2025 21:43	WG2525854
2-Methylnaphthalene	ND		0.0120	1	05/30/2025 21:43	WG2525854
(S) p-Terphenyl-d14	*108*		*23.0-120*		*05/30/2025 21:43*	WG2525854
(S) Nitrobenzene-d5	*96.1*		*14.0-149*		*05/30/2025 21:43*	WG2525854
(S) 2-Fluorobiphenyl	*103*		*34.0-125*		*05/30/2025 21:43*	WG2525854

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.58		1	05/29/2025 11:10	WG2524686

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	06/04/2025 14:39	WG2524762

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.32		1	05/29/2025 10:39	WG2525954

Sample Narrative:

L1862500-02 WG2525954: 8.32 at 22.8C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.153	mmhos/cm		0.0100	1	05/29/2025 17:00	WG2525959

Sample Narrative:

L1862500-02 WG2525959: 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	05/28/2025 18:31	WG2524698

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.02		0.100	5	06/04/2025 15:48	WG2526218
Barium	42.4		10.0	5	06/04/2025 15:48	WG2526218
Cadmium	ND		0.100	5	06/04/2025 15:48	WG2526218
Copper	ND		10.0	5	06/04/2025 15:48	WG2526218
Lead	ND		10.0	5	06/04/2025 15:48	WG2526218
Nickel	ND		10.0	5	06/04/2025 15:48	WG2526218
Selenium	ND		0.100	5	06/04/2025 15:48	WG2526218
Silver	ND		0.500	5	06/04/2025 15:48	WG2526218
Zinc	ND		50.0	5	06/04/2025 15:48	WG2526218

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		0.100	1	05/29/2025 23:13	WG2526321
(S) a,a,a-Trifluorotoluene(FID)	*96.0*		*77.0-120*		*05/29/2025 23:13*	WG2526321

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	05/27/2025 21:52	WG2524845
Ethylbenzene	ND		0.0100	1	05/27/2025 21:52	WG2524845
Toluene	ND		0.0100	1	05/27/2025 21:52	WG2524845
1,2,4-Trimethylbenzene	ND		0.00500	1	05/27/2025 21:52	WG2524845
1,3,5-Trimethylbenzene	ND		0.00500	1	05/27/2025 21:52	WG2524845
Xylenes, Total	ND		0.100	1	05/27/2025 21:52	WG2524845
(S) Toluene-d8	*101*		*75.0-131*		*05/27/2025 21:52*	WG2524845
(S) 4-Bromofluorobenzene	*97.4*		*67.0-138*		*05/27/2025 21:52*	WG2524845
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*05/27/2025 21:52*	WG2524845

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	06/02/2025 07:07	WG2528095
C28-C36 Motor Oil Range	ND		4.00	1	06/02/2025 07:07	WG2528095
(S) o-Terphenyl	*46.4*		*18.0-148*		*06/02/2025 07:07*	WG2528095

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0330	1	05/30/2025 22:01	WG2525854
Acenaphthene	ND		0.0330	1	05/30/2025 22:01	WG2525854
Acenaphthylene	ND		0.0330	1	05/30/2025 22:01	WG2525854
Benzo(a)anthracene	ND		0.00600	1	05/30/2025 22:01	WG2525854
Benzo(a)pyrene	ND		0.0330	1	05/30/2025 22:01	WG2525854
Benzo(b)fluoranthene	ND		0.0330	1	05/30/2025 22:01	WG2525854
Benzo(g,h,i)perylene	ND		0.0330	1	05/30/2025 22:01	WG2525854
Benzo(k)fluoranthene	ND		0.0330	1	05/30/2025 22:01	WG2525854
Chrysene	ND		0.0330	1	05/30/2025 22:01	WG2525854
Dibenz(a,h)anthracene	ND		0.0330	1	05/30/2025 22:01	WG2525854
Fluoranthene	ND		0.0330	1	05/30/2025 22:01	WG2525854
Fluorene	ND		0.0330	1	05/30/2025 22:01	WG2525854
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/30/2025 22:01	WG2525854
Naphthalene	ND		0.00300	1	05/30/2025 22:01	WG2525854
Phenanthrene	ND		0.0330	1	05/30/2025 22:01	WG2525854
Pyrene	ND		0.0330	1	05/30/2025 22:01	WG2525854
1-Methylnaphthalene	ND		0.00300	1	05/30/2025 22:01	WG2525854
2-Methylnaphthalene	ND		0.0120	1	05/30/2025 22:01	WG2525854
(S) p-Terphenyl-d14	*126*	J1	*23.0-120*		*05/30/2025 22:01*	WG2525854
(S) Nitrobenzene-d5	*107*		*14.0-149*		*05/30/2025 22:01*	WG2525854
(S) 2-Fluorobiphenyl	*114*		*34.0-125*		*05/30/2025 22:01*	WG2525854

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.65		1	05/30/2025 15:37	WG2524688

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	06/04/2025 04:25	WG2524756

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.99		1	05/30/2025 23:00	WG2527412

Sample Narrative:

L1862500-03 WG2527412: 7.99 at 21.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.230	mmhos/cm		0.0100	1	06/02/2025 18:33	WG2527455

Sample Narrative:

L1862500-03 WG2527455: 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	05/30/2025 12:01	WG2524694

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.05		0.100	5	06/04/2025 15:51	WG2526218
Barium	61.9		10.0	5	06/04/2025 15:51	WG2526218
Cadmium	ND		0.100	5	06/04/2025 15:51	WG2526218
Copper	ND		10.0	5	06/04/2025 15:51	WG2526218
Lead	ND		10.0	5	06/04/2025 15:51	WG2526218
Nickel	ND		10.0	5	06/04/2025 15:51	WG2526218
Selenium	0.131		0.100	5	06/04/2025 15:51	WG2526218
Silver	ND		0.500	5	06/04/2025 15:51	WG2526218
Zinc	ND		50.0	5	06/04/2025 15:51	WG2526218

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.993		1	05/29/2025 11:13	WG2524686

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	06/04/2025 04:34	WG2524756

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.16		1	05/29/2025 10:39	WG2525954

Sample Narrative:

L1862500-04 WG2525954: 8.16 at 22.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.120	mmhos/cm		0.0100	1	05/29/2025 17:00	WG2525959

Sample Narrative:

L1862500-04 WG2525959: 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	05/28/2025 18:33	WG2524698

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.39		0.100	5	06/04/2025 15:54	WG2526218
Barium	48.7		10.0	5	06/04/2025 15:54	WG2526218
Cadmium	ND		0.100	5	06/04/2025 15:54	WG2526218
Copper	ND		10.0	5	06/04/2025 15:54	WG2526218
Lead	ND		10.0	5	06/04/2025 15:54	WG2526218
Nickel	ND		10.0	5	06/04/2025 15:54	WG2526218
Selenium	0.124		0.100	5	06/04/2025 15:54	WG2526218
Silver	ND		0.500	5	06/04/2025 15:54	WG2526218
Zinc	ND		50.0	5	06/04/2025 15:54	WG2526218

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	3.82		1	05/29/2025 11:16	WG2524686

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.200	1	06/04/2025 04:44	WG2524756

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.09		1	05/29/2025 10:39	WG2525954

Sample Narrative:

L1862500-05 WG2525954: 8.09 at 22.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	0.414	mmhos/cm		0.0100	1	05/29/2025 17:00	WG2525959

Sample Narrative:

L1862500-05 WG2525959: 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	05/28/2025 18:35	WG2524698

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.53		0.100	5	06/04/2025 15:57	WG2526218
Barium	60.5		10.0	5	06/04/2025 15:57	WG2526218
Cadmium	ND		0.100	5	06/04/2025 15:57	WG2526218
Copper	ND		10.0	5	06/04/2025 15:57	WG2526218
Lead	ND		10.0	5	06/04/2025 15:57	WG2526218
Nickel	ND		10.0	5	06/04/2025 15:57	WG2526218
Selenium	0.115		0.100	5	06/04/2025 15:57	WG2526218
Silver	ND		0.500	5	06/04/2025 15:57	WG2526218
Zinc	ND		50.0	5	06/04/2025 15:57	WG2526218

Method Blank (MB)

(MB) R4225121-1 06/04/25 01:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexavalent Chromium	U		0.200	0.200

L1861389-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1861389-01 06/04/25 03:36 • (DUP) R4225121-7 06/04/25 03:46

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

L1862500-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1862500-05 06/04/25 04:44 • (DUP) R4225121-8 06/04/25 04:53

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) R4225121-2 06/04/25 01:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	9.80	98.0	80.0-120	

L1861385-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1861385-01 06/04/25 02:00 • (MS) R4225121-4 06/04/25 02:19 • (MSD) R4225121-5 06/04/25 02:29

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	17.4	16.6	86.8	83.2	1	75.0-125			4.33	20

L1861385-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1861385-01 06/04/25 02:00 • (MS) R4225121-6 06/04/25 02:38

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	654	ND	528	80.8	50	75.0-125	

Method Blank (MB)

(MB) R4225505-8 06/04/25 14:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexavalent Chromium	U		0.200	0.200

L1862495-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1862495-02 06/04/25 11:30 • (DUP) R4225505-2 06/04/25 11:39

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

L1862498-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1862498-01 06/04/25 13:54 • (DUP) R4225505-7 06/04/25 14:03

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) R4225505-1 06/04/25 10:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	9.09	90.9	80.0-120	

L1862495-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862495-03 06/04/25 12:06 • (MS) R4225505-3 06/04/25 12:15 • (MSD) R4225505-4 06/04/25 12:24

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.0	ND	18.6	18.7	93.2	93.3	1	75.0-125			0.0136	20

L1862495-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1862495-03 06/04/25 12:06 • (MS) R4225505-5 06/04/25 12:33

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	643	ND	610	94.9	50	75.0-125	

L1862396-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1862396-02 05/29/25 10:39 • (DUP) R4222425-2 05/29/25 10:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	pH	su		%		%
pH	7.74	7.74	1	0.000		1

Sample Narrative:

OS: 7.74 at 22.7C

DUP: 7.74 at 22.5C

L1862865-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1862865-16 05/29/25 10:39 • (DUP) R4222425-3 05/29/25 10:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.46	8.50	1	0.472		1

Sample Narrative:

OS: 8.46 at 23.6C

DUP: 8.5 at 22.7C

Laboratory Control Sample (LCS)

(LCS) R4222425-1 05/29/25 10:39

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 22.6C

L1862396-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1862396-01 05/29/25 10:39 • (DUP) R4222426-2 05/29/25 10:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	pH	su		%		%
pH	7.77	7.77	1	0.000		1

Sample Narrative:

OS: 7.77 at 22.6C

DUP: 7.77 at 22.6C

L1862865-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1862865-10 05/29/25 10:39 • (DUP) R4222426-3 05/29/25 10:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.20	8.24	1	0.487		1

Sample Narrative:

OS: 8.2 at 22.7C

DUP: 8.24 at 22.4C

Laboratory Control Sample (LCS)

(LCS) R4222426-1 05/29/25 10:39

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.96	99.6	99.0-101	

Sample Narrative:

LCS: 9.96 at 22.4C

L1862470-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1862470-05 05/30/25 23:00 • (DUP) R4223307-2 05/30/25 23:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.11	8.10	1	0.123		1

Sample Narrative:

OS: 8.11 at 22.1C

DUP: 8.1 at 22.1C

L1862865-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1862865-13 05/30/25 23:00 • (DUP) R4223307-3 05/30/25 23:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.40	8.37	1	0.358		1

Sample Narrative:

OS: 8.4 at 21C

DUP: 8.37 at 21.4C

Laboratory Control Sample (LCS)

(LCS) R4223307-1 05/30/25 23:00

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: 10.01 at 21.9C

Method Blank (MB)

(MB) R4222631-1 05/29/25 17:00

Analyte	MB Result mmhos/cm	MB Qualifier	MB MDL mmhos/cm	MB RDL mmhos/cm
Specific Conductance	U		0.0100	0.0100

Sample Narrative:
BLANK: at 25C

L1862396-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1862396-03 05/29/25 17:00 • (DUP) R4222631-3 05/29/25 17:00

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	0.462	1	0.217		20

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

L1862865-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1862865-14 05/29/25 17:00 • (DUP) R4222631-4 05/29/25 17:00

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	0.297	0.297	1	0.168		20

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

Laboratory Control Sample (LCS)

(LCS) R4222631-2 05/29/25 17:00

Analyte	Spike Amount mmhos/cm	LCS Result mmhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	0.581	0.578	99.5	90.0-110	

Sample Narrative:
LCS: at 25C

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

Method Blank (MB)

(MB) R4222606-1 05/29/25 16:30

Analyte	MB Result mmhos/cm	MB Qualifier	MB MDL mmhos/cm	MB RDL mmhos/cm
Specific Conductance	U		0.0100	0.0100

Sample Narrative:
BLANK: at 25C

L1862470-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1862470-07 05/29/25 16:30 • (DUP) R4222606-3 05/29/25 16:30

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	0.381	1	0.263		20

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

L1862865-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1862865-06 05/29/25 16:30 • (DUP) R4222606-4 05/29/25 16:30

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	0.350	0.350	1	0.000		20

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

Laboratory Control Sample (LCS)

(LCS) R4222606-2 05/29/25 16:30

Analyte	Spike Amount mmhos/cm	LCS Result mmhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	0.581	0.582	100	90.0-110	

Sample Narrative:
LCS: at 25C

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

Method Blank (MB)

(MB) R4224313-1 06/02/25 18:33

Analyte	MB Result mmhos/cm	MB Qualifier	MB MDL mmhos/cm	MB RDL mmhos/cm
Specific Conductance	U		0.0100	0.0100

Sample Narrative:
BLANK: at 25C

L1862470-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1862470-05 06/02/25 18:33 • (DUP) R4224313-3 06/02/25 18:33

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	0.952	1	0.105		20

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

L1862865-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1862865-13 06/02/25 18:33 • (DUP) R4224313-4 06/02/25 18:33

Analyte	Original Result mmhos/cm	DUP Result mmhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	0.495	0.496	1	0.202		20

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

Laboratory Control Sample (LCS)

(LCS) R4224313-2 06/02/25 18:33

Analyte	Spike Amount mmhos/cm	LCS Result mmhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	0.581	0.552	95.0	90.0-110	

Sample Narrative:
LCS: at 25C

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

Method Blank (MB)

(MB) R4222264-1 05/28/25 16:03

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) R4222264-2 05/28/25 16:06 • (LCSD) R4222264-3 05/28/25 16:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	0.999	1.02	99.9	102	80.0-120			1.66	20

QUALITY CONTROL SUMMARY

L1862500-03

Method Blank (MB)

(MB) R4223104-1 05/30/25 11:05

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) R4223104-2 05/30/25 11:08 • (LCSD) R4223104-3 05/30/25 11:11

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	1.08	1.07	108	107	80.0-120			0.669	20

Method Blank (MB)

(MB) R4222064-4 05/28/25 18:19

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) R4222064-5 05/28/25 18:21 • (LCSD) R4222064-6 05/28/25 18:23

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	1.08	1.09	108	109	80.0-120			0.323	20

QUALITY CONTROL SUMMARY

L1862500-01,02,03,04,05

Method Blank (MB)

(MB) R4225574-1 06/04/25 15:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	0.100
Barium	U		10.0	10.0
Cadmium	U		0.100	0.100
Copper	U		10.0	10.0
Lead	U		10.0	10.0
Nickel	U		10.0	10.0
Selenium	U		0.100	0.100
Silver	U		0.500	0.500
Zinc	U		50.0	50.0

Laboratory Control Sample (LCS)

(LCS) R4225574-2 06/04/25 15:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	98.4	98.4	80.0-120	
Barium	100	98.1	98.1	80.0-120	
Cadmium	100	107	107	80.0-120	
Copper	100	94.4	94.4	80.0-120	
Lead	100	102	102	80.0-120	
Nickel	100	105	105	80.0-120	
Selenium	100	97.0	97.0	80.0-120	
Silver	20.0	20.9	105	80.0-120	
Zinc	100	101	101	80.0-120	

L1862556-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862556-07 06/04/25 15:09 • (MS) R4225574-5 06/04/25 15:18 • (MSD) R4225574-6 06/04/25 15:21

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	3.14	90.1	99.8	86.9	96.7	5	75.0-125			10.3	20
Barium	100	131	203	231	72.8	101	5	75.0-125	J6		12.8	20
Cadmium	100	0.134	96.5	108	96.4	108	5	75.0-125			11.4	20
Copper	100	28.8	105	112	76.4	83.0	5	75.0-125			6.07	20
Lead	100	ND	97.9	108	90.7	101	5	75.0-125			9.86	20
Nickel	100	16.4	110	120	93.2	103	5	75.0-125			8.75	20
Selenium	100	0.160	85.0	92.4	85.0	92.4	5	75.0-125			8.31	20
Silver	20.0	ND	18.8	20.7	93.9	103	5	75.0-125			9.53	20
Zinc	100	51.7	147	158	95.0	107	5	75.0-125			7.58	20

Method Blank (MB)

(MB) R4224045-2 05/29/25 13:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0800	0.100
(S) a,a,a-Trifluorotoluene(FID)	*97.6*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4224045-1 05/29/25 12:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.65	93.0	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*108*	*77.0-120*	

Method Blank (MB)

(MB) R4224352-3 06/02/25 14:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0800	0.100
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*77.0-120*

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

(LCS) R4224352-1 06/02/25 13:11 • (LCSD) R4224352-2 06/02/25 13:37

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	5.00	5.11	4.75	102	95.0	72.0-127			7.30	20
(S) a,a,a-Trifluorotoluene(FID)				*109*	*110*	*77.0-120*				

Method Blank (MB)

(MB) R4223799-3 05/27/25 16:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.00100	0.00100
Ethylbenzene	U		0.0100	0.0100
Toluene	U		0.0100	0.0100
1,2,4-Trimethylbenzene	U		0.00500	0.00500
1,3,5-Trimethylbenzene	U		0.00500	0.00500
Xylenes, Total	U		0.100	0.100
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*93.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*

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

(LCS) R4223799-1 05/27/25 14:51 • (LCSD) R4223799-2 05/27/25 15:10

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	0.115	0.116	92.0	92.8	70.0-123			0.866	20
Ethylbenzene	0.125	0.118	0.119	94.4	95.2	74.0-126			0.844	20
Toluene	0.125	0.112	0.113	89.6	90.4	75.0-121			0.889	20
1,2,4-Trimethylbenzene	0.125	0.108	0.104	86.4	83.2	70.0-126			3.77	20
1,3,5-Trimethylbenzene	0.125	0.106	0.108	84.8	86.4	73.0-127			1.87	20
Xylenes, Total	0.375	0.340	0.341	90.7	90.9	72.0-127			0.294	20
(S) Toluene-d8				*101*	*102*	*75.0-131*				
(S) 4-Bromofluorobenzene				*96.9*	*98.6*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*102*	*104*	*70.0-130*				

Method Blank (MB)

(MB) R4224667-1 06/02/25 19:23

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	*64.1*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4224667-2 06/02/25 19:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	34.1	68.2	50.0-150	
(S) o-Terphenyl			*75.2*	*18.0-148*	

L1864868-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864868-04 06/03/25 00:00 • (MS) R4224667-3 06/03/25 00:13 • (MSD) R4224667-4 06/03/25 00:26

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	49.2	ND	35.5	34.0	72.2	70.0	1	50.0-150			4.32	20
(S) o-Terphenyl					*76.2*	*75.2*		*18.0-148*				

Method Blank (MB)

(MB) R4224017-1 06/02/25 06:02

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	*60.8*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4224017-2 06/02/25 06:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	38.7	77.4	50.0-150	
(S) o-Terphenyl			*80.5*	*18.0-148*	

L1862581-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862581-01 06/02/25 06:28 • (MS) R4224017-3 06/02/25 06:41 • (MSD) R4224017-4 06/02/25 06:54

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	48.8	ND	29.5	26.1	60.5	52.7	1	50.0-150			12.2	20
(S) o-Terphenyl					*61.8*	*50.6*		*18.0-148*				

Method Blank (MB)

(MB) R4223087-2 05/30/25 11:34

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.0330	0.0330
Acenaphthene	U		0.0330	0.0330
Acenaphthylene	U		0.0330	0.0330
Benzo(a)anthracene	U		0.00600	0.00600
Benzo(a)pyrene	U		0.0330	0.0330
Benzo(b)fluoranthene	U		0.0330	0.0330
Benzo(g,h,i)perylene	U		0.0330	0.0330
Benzo(k)fluoranthene	U		0.0330	0.0330
Chrysene	U		0.0330	0.0330
Dibenz(a,h)anthracene	U		0.0330	0.0330
Fluoranthene	U		0.0330	0.0330
Fluorene	U		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330
Naphthalene	U		0.00300	0.00300
Phenanthrene	U		0.0330	0.0330
Pyrene	U		0.0330	0.0330
1-Methylnaphthalene	U		0.00300	0.00300
2-Methylnaphthalene	U		0.0120	0.0120
(S) p-Terphenyl-d14	*96.4*			*23.0-120*
(S) Nitrobenzene-d5	*67.6*			*14.0-149*
(S) 2-Fluorobiphenyl	*87.6*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4223087-1 05/30/25 11:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0508	63.5	50.0-126	
Acenaphthene	0.0800	0.0586	73.3	50.0-120	
Acenaphthylene	0.0800	0.0519	64.9	50.0-120	
Benzo(a)anthracene	0.0800	0.0533	66.6	45.0-120	
Benzo(a)pyrene	0.0800	0.0577	72.1	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0686	85.8	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0647	80.9	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0654	81.8	49.0-125	
Chrysene	0.0800	0.0673	84.1	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0620	77.5	47.0-125	
Fluoranthene	0.0800	0.0593	74.1	49.0-129	
Fluorene	0.0800	0.0638	79.8	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4223087-1 05/30/25 11:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Indeno(1,2,3-cd)pyrene	0.0800	0.0552	69.0	46.0-125	
Naphthalene	0.0800	0.0597	74.6	50.0-120	
Phenanthrene	0.0800	0.0635	79.4	47.0-120	
Pyrene	0.0800	0.0662	82.8	43.0-123	
1-Methylnaphthalene	0.0800	0.0609	76.1	51.0-121	
2-Methylnaphthalene	0.0800	0.0606	75.8	50.0-120	
(S) p-Terphenyl-d14			*112*	*23.0-120*	
(S) Nitrobenzene-d5			*96.3*	*14.0-149*	
(S) 2-Fluorobiphenyl			*103*	*34.0-125*	

L1862502-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862502-03 05/30/25 11:53 • (MS) R4223087-3 05/30/25 12:13 • (MSD) R4223087-4 05/30/25 12:32

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	0.0784	ND	0.0456	0.0580	58.2	74.7	1	10.0-145			23.9	30
Acenaphthene	0.0784	ND	0.0540	0.0689	68.9	88.8	1	14.0-127			24.2	27
Acenaphthylene	0.0784	ND	0.0481	0.0612	61.4	78.9	1	21.0-124			24.0	25
Benzo(a)anthracene	0.0784	ND	0.0474	0.0645	60.5	83.1	1	10.0-139		J3	30.6	30
Benzo(a)pyrene	0.0784	ND	0.0521	0.0686	66.5	88.4	1	10.0-141		V3	27.3	31
Benzo(b)fluoranthene	0.0784	ND	0.0639	0.0831	81.5	107	1	10.0-140		V3	26.1	36
Benzo(g,h,i)perylene	0.0784	ND	0.0602	0.0778	76.8	100	1	10.0-140		V3	25.5	33
Benzo(k)fluoranthene	0.0784	ND	0.0572	0.0745	73.0	96.0	1	10.0-137		V3	26.3	31
Chrysene	0.0784	ND	0.0616	0.0810	78.6	104	1	10.0-145			27.2	30
Dibenz(a,h)anthracene	0.0784	ND	0.0563	0.0735	71.8	94.7	1	10.0-132		V3	26.5	31
Fluoranthene	0.0784	ND	0.0547	0.0702	69.8	90.5	1	10.0-153			24.8	33
Fluorene	0.0784	ND	0.0586	0.0756	74.7	97.4	1	11.0-130			25.3	29
Indeno(1,2,3-cd)pyrene	0.0784	ND	0.0505	0.0658	64.4	84.8	1	10.0-137		V3	26.3	32
Naphthalene	0.0784	ND	0.0555	0.0712	70.8	91.8	1	10.0-135			24.8	27
Phenanthrene	0.0784	ND	0.0589	0.0771	75.1	99.4	1	10.0-144			26.8	31
Pyrene	0.0784	ND	0.0612	0.0825	78.1	106	1	10.0-148			29.6	35
1-Methylnaphthalene	0.0784	ND	0.0557	0.0725	71.0	93.4	1	10.0-142			26.2	28
2-Methylnaphthalene	0.0784	ND	0.0549	0.0702	70.0	90.5	1	10.0-137			24.5	28
(S) p-Terphenyl-d14					*106*	*140*		*23.0-120*		J1		
(S) Nitrobenzene-d5					*84.8*	*86.7*		*14.0-149*				
(S) 2-Fluorobiphenyl					*100*	*112*		*34.0-125*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V3	The internal standard exhibited poor recovery due to sample matrix interference. The analytical results will be biased high. BDL results will be unaffected.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

Company Name/Address:
Chevron -CO
2115 117 Ave.
Greeley, CO 80631

Billing Information:
Karen Olson
1099 18th St. Suite 1500
Denver, CO 80202

Report to:

Email To: karen.olson@chevron.com
PM@CDHconsult.com

Project Description: Frank 6LL

City/State Collected:

Please Circle: PT MT CT ET

Phone:

Client Project #

Lab Project #

Collected by (print): Simon Hertzler Gascho

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Full Table 915	Table 915 BG
FL01-W-R@4'	Grab	SS	4'	5/21/25	1038	3	X	
FL01-S-R@4'				5/22/25	0820	3	X	
BKG01@4'					0942	2		X
BKG02@4'					0947	2		X
BKG03@4'					0953	2		X

Chain of Custody Page ___ of ___

Pace
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12065 Lebanon Rd Mount Juliet, TN 37122
Phone: 615-758-5858 Alt: 800-767-5859

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1662500

H093

Ta

Acctnum:

Template:

Prelogin:

PM:

PB:

Shipped Via:

Remarks	Sample # (lab only)
	-01
	-02
	-03
	-04
	-05

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	5/22/25	1440	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	5/22/25	1800	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)
			Hayley Rohr

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp 7.1 °C
1.5+0.4=1.9

Bottles Received: 12

Date: 5/23/25 Time: 1000

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK