ANALYTICAL REPORT

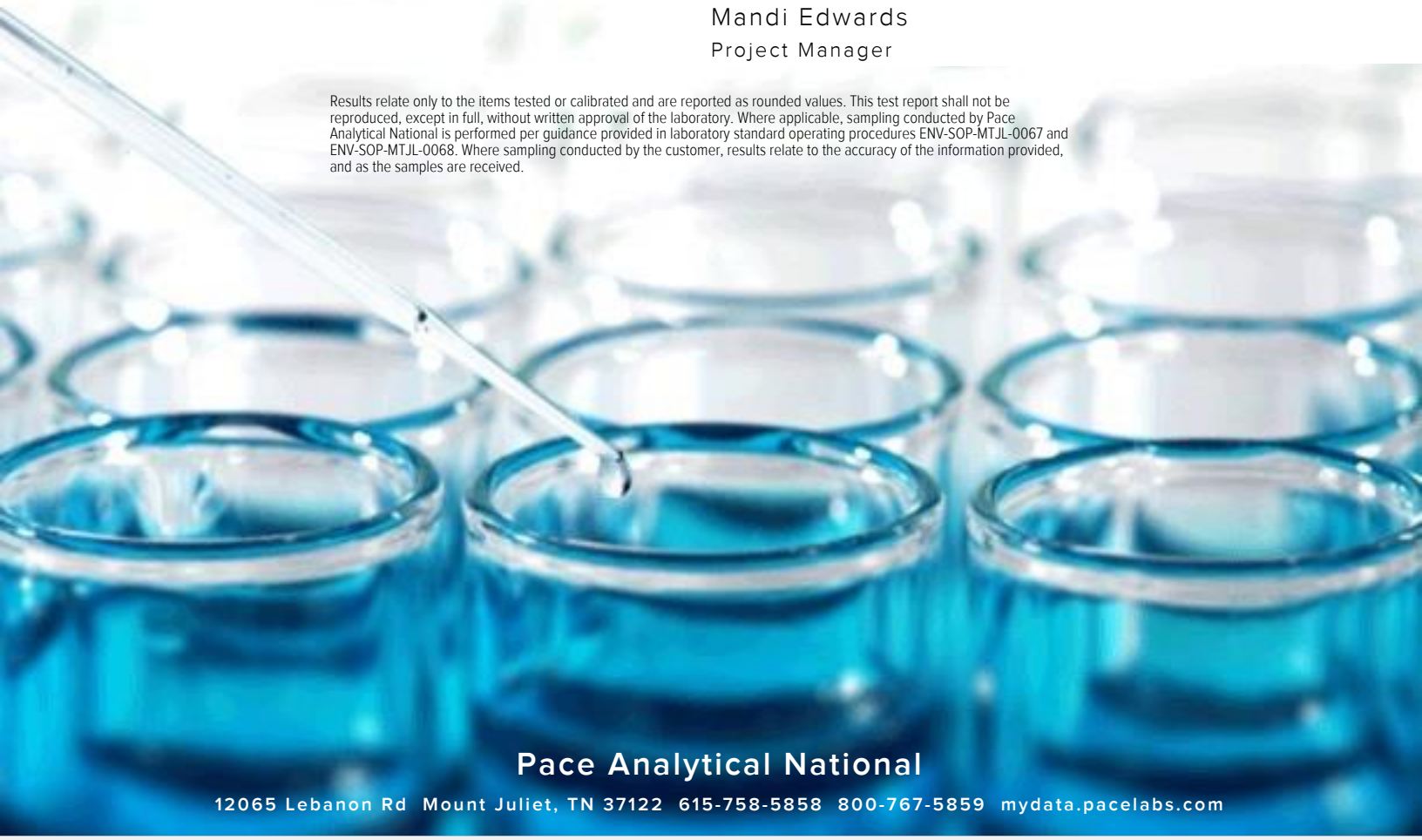
June 09, 2025

Civitas - CO

Sample Delivery Group:	L1862789
Samples Received:	05/24/2025
Project Number:	09C2407089
Description:	Gordon 13-19
Report To:	Civitas-Ensolum 6855 W. 118th Ave Broomfield, CO 80020

Entire Report Reviewed By:

Mandi Edwards
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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SEP01-INLET@3' L1862789-01

Collected by: Elio Garcia | Collected date/time: 05/23/25 11:01 | Received date/time: 05/24/25 11:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524691	1	05/29/25 19:25	05/29/25 19:25	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2527989	1	06/03/25 10:06	06/04/25 17:06	ANW	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 16:55	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2526240	5	06/01/25 08:44	06/07/25 02:16	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2526691	1	05/28/25 08:28	05/30/25 08:41	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2525505	1	05/28/25 08:28	05/28/25 16:28	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2528096	1	06/02/25 07:59	06/03/25 03:29	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2526583	1	05/30/25 14:49	05/30/25 20:27	KB	Mt. Juliet, TN

SEP01-OUTLET@3' L1862789-02

Collected by: Elio Garcia | Collected date/time: 05/23/25 11:04 | Received date/time: 05/24/25 11:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524691	1	05/29/25 19:28	05/29/25 19:28	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2527989	1	06/03/25 10:06	06/04/25 17:37	ANW	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 16:58	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2526240	5	06/01/25 08:44	06/08/25 20:28	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2526691	1	05/28/25 08:28	05/30/25 09:00	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2525505	1	05/28/25 08:28	05/28/25 16:47	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2528096	100	06/02/25 07:59	06/03/25 05:36	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2526583	1	05/30/25 14:49	05/31/25 01:22	KB	Mt. Juliet, TN

PWV-B01@4' L1862789-03

Collected by: Elio Garcia | Collected date/time: 05/23/25 10:01 | Received date/time: 05/24/25 11:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524686	1	05/29/25 11:42	05/29/25 11:42	RLS	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2528378	1	06/03/25 00:05	06/03/25 22:16	VSS	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 18:50	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2526240	5	06/01/25 08:44	06/07/25 02:22	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2526691	1	05/28/25 08:28	05/30/25 09:20	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2525505	1	05/28/25 08:28	05/28/25 17:06	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2528096	10	06/02/25 07:59	06/03/25 04:40	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2526583	1	05/30/25 14:49	05/31/25 01:05	KB	Mt. Juliet, TN

PWV-N01@2' L1862789-04

Collected by: Elio Garcia | Collected date/time: 05/23/25 10:04 | Received date/time: 05/24/25 11:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524691	1	05/29/25 19:31	05/29/25 19:31	JTM	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2527989	1	06/03/25 10:06	06/04/25 17:48	ANW	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	WG2529318	1	06/05/25 13:42	06/06/25 00:44	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2526240	5	06/01/25 08:44	06/07/25 02:25	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2526691	1	05/28/25 08:28	05/30/25 09:39	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2525505	1	05/28/25 08:28	05/28/25 17:30	JHH	Mt. Juliet, TN

PWV-N01@2' L1862789-04

Collected by: Elio Garcia | Collected date/time: 05/23/25 10:04 | Received date/time: 05/24/25 11:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2528096	1	06/02/25 07:59	06/03/25 02:33	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2526583	1	05/30/25 14:49	05/30/25 20:45	KB	Mt. Juliet, TN

FL03@3' L1862789-05

Collected by: Elio Garcia | Collected date/time: 05/23/25 11:25 | Received date/time: 05/24/25 11:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524683	1	06/01/25 02:04	06/01/25 02:04	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2527989	1	06/03/25 10:06	06/04/25 17:58	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2528280	1	06/01/25 12:47	06/02/25 15:58	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2528284	1	06/01/25 12:49	06/03/25 16:01	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524696	1	05/31/25 19:22	06/01/25 12:41	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2526240	5	06/01/25 08:44	06/07/25 02:29	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2529429	25	05/28/25 08:28	06/03/25 23:08	TFM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2525505	1	05/28/25 08:28	05/28/25 17:49	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2528096	1	06/02/25 07:59	06/03/25 04:11	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2526583	1	05/30/25 14:49	05/31/25 00:47	KB	Mt. Juliet, TN

FL04@3' L1862789-06

Collected by: Elio Garcia | Collected date/time: 05/23/25 12:05 | Received date/time: 05/24/25 11:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524662	1	05/30/25 15:59	05/30/25 15:59	BAG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2527989	1	06/03/25 10:06	06/04/25 18:09	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2526888	1	05/30/25 07:09	05/30/25 08:09	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2526889	1	05/30/25 07:10	05/30/25 18:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524673	2	05/29/25 19:55	05/30/25 10:17	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2526240	5	06/01/25 08:44	06/07/25 01:39	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2529433	1	05/28/25 08:28	06/04/25 01:44	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2525505	1	05/28/25 08:28	05/28/25 18:08	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2526132	1	05/28/25 08:28	05/29/25 21:50	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2528096	40	06/02/25 07:59	06/03/25 05:22	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2526583	1	05/30/25 14:49	05/31/25 01:39	ADF	Mt. Juliet, TN

SP-CS-02 L1862789-07

Collected by: Elio Garcia | Collected date/time: 05/23/25 10:50 | Received date/time: 05/24/25 11:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2524683	1	06/01/25 02:07	06/01/25 02:07	MAP	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2527989	1	06/03/25 10:06	06/04/25 18:19	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2528280	1	06/01/25 12:47	06/02/25 15:58	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2528284	1	06/01/25 12:49	06/03/25 16:01	BJM	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2524696	1	05/31/25 19:22	06/01/25 12:43	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2526240	5	06/01/25 08:44	06/08/25 20:41	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2526691	1	05/28/25 08:28	05/30/25 11:09	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2525505	1	05/28/25 08:28	05/28/25 18:28	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2528096	1	06/02/25 07:59	06/03/25 03:58	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2526583	1	05/30/25 14:49	05/30/25 21:37	KB	Mt. Juliet, TN

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

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.

Mandi Edwards
Project Manager

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.20		1	05/29/2025 19:25	WG2524691

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.336		0.200	1	06/04/2025 17:06	WG2527989

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.26		1	05/29/2025 10:39	WG2526050

Sample Narrative:
L1862789-01 WG2526050: 8.26 at 22.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	517	umhos/cm		10.0	1	05/29/2025 16:30	WG2526057

Sample Narrative:
L1862789-01 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	0.900		0.200	1	05/28/2025 16:55	WG2524692

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.18		0.100	5	06/07/2025 02:16	WG2526240
Barium	98.9		10.0	5	06/07/2025 02:16	WG2526240
Cadmium	0.157		0.100	5	06/07/2025 02:16	WG2526240
Copper	ND		10.0	5	06/07/2025 02:16	WG2526240
Lead	ND		10.0	5	06/07/2025 02:16	WG2526240
Nickel	ND		10.0	5	06/07/2025 02:16	WG2526240
Selenium	0.487		0.100	5	06/07/2025 02:16	WG2526240
Silver	ND		0.500	5	06/07/2025 02:16	WG2526240
Zinc	ND		50.0	5	06/07/2025 02:16	WG2526240

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	05/30/2025 08:41	WG2526691
(S) a,a,a-Trifluorotoluene(FID)	*98.1*		*77.0-120*		*05/30/2025 08:41*	WG2526691

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	05/28/2025 16:28	WG2525505
Ethylbenzene	ND		0.0100	1	05/28/2025 16:28	WG2525505
Toluene	ND		0.0100	1	05/28/2025 16:28	WG2525505
1,2,4-Trimethylbenzene	ND		0.00500	1	05/28/2025 16:28	WG2525505
1,3,5-Trimethylbenzene	ND		0.00500	1	05/28/2025 16:28	WG2525505
Xylenes, Total	ND		0.100	1	05/28/2025 16:28	WG2525505
(S) Toluene-d8	*102*		*75.0-131*		*05/28/2025 16:28*	WG2525505
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*05/28/2025 16:28*	WG2525505
(S) 1,2-Dichloroethane-d4	*94.0*		*70.0-130*		*05/28/2025 16:28*	WG2525505

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	7.34		4.00	1	06/03/2025 03:29	WG2528096
C28-C36 Motor Oil Range	20.2		4.00	1	06/03/2025 03:29	WG2528096
(S) o-Terphenyl	*76.1*		*18.0-148*		*06/03/2025 03:29*	WG2528096

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0330	1	05/30/2025 20:27	WG2526583
Anthracene	ND		0.0330	1	05/30/2025 20:27	WG2526583
Benzo(a)anthracene	ND		0.00600	1	05/30/2025 20:27	WG2526583
Benzo(b)fluoranthene	ND		0.0330	1	05/30/2025 20:27	WG2526583
Benzo(k)fluoranthene	ND		0.0330	1	05/30/2025 20:27	WG2526583
Benzo(a)pyrene	ND		0.0330	1	05/30/2025 20:27	WG2526583
Chrysene	ND		0.0330	1	05/30/2025 20:27	WG2526583
Dibenz(a,h)anthracene	ND		0.0330	1	05/30/2025 20:27	WG2526583
Fluoranthene	ND		0.0330	1	05/30/2025 20:27	WG2526583
Fluorene	ND		0.0330	1	05/30/2025 20:27	WG2526583
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/30/2025 20:27	WG2526583
1-Methylnaphthalene	ND		0.00300	1	05/30/2025 20:27	WG2526583
2-Methylnaphthalene	ND		0.0120	1	05/30/2025 20:27	WG2526583
Naphthalene	ND	J4	0.00300	1	05/30/2025 20:27	WG2526583
Pyrene	ND		0.0330	1	05/30/2025 20:27	WG2526583
(S) p-Terphenyl-d14	*95.3*		*23.0-120*		*05/30/2025 20:27*	WG2526583
(S) Nitrobenzene-d5	*102*		*14.0-149*		*05/30/2025 20:27*	WG2526583
(S) 2-Fluorobiphenyl	*106*		*34.0-125*		*05/30/2025 20:27*	WG2526583

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	3.68		1	05/29/2025 19:28	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 17:37	WG2527989

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.21		1	05/29/2025 10:39	WG2526050

Sample Narrative:

L1862789-02 WG2526050: 8.21 at 22.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	454	umhos/cm		10.0	1	05/29/2025 16:30	WG2526057

Sample Narrative:

L1862789-02 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	0.685		0.200	1	05/28/2025 16:58	WG2524692

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.30		0.100	5	06/08/2025 20:28	WG2526240
Barium	130		10.0	5	06/08/2025 20:28	WG2526240
Cadmium	0.183		0.100	5	06/08/2025 20:28	WG2526240
Copper	11.2		10.0	5	06/08/2025 20:28	WG2526240
Lead	11.3		10.0	5	06/08/2025 20:28	WG2526240
Nickel	12.3		10.0	5	06/08/2025 20:28	WG2526240
Selenium	0.699		0.100	5	06/08/2025 20:28	WG2526240
Silver	ND		0.500	5	06/08/2025 20:28	WG2526240
Zinc	ND		50.0	5	06/08/2025 20:28	WG2526240

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	0.499		0.100	1	05/30/2025 09:00	WG2526691
(S) a,a,a-Trifluorotoluene(FID)	*97.5*		*77.0-120*		*05/30/2025 09:00*	WG2526691

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	05/28/2025 16:47	WG2525505
Ethylbenzene	0.0290		0.0100	1	05/28/2025 16:47	WG2525505
Toluene	ND		0.0100	1	05/28/2025 16:47	WG2525505
1,2,4-Trimethylbenzene	0.528		0.00500	1	05/28/2025 16:47	WG2525505
1,3,5-Trimethylbenzene	0.177		0.00500	1	05/28/2025 16:47	WG2525505
Xylenes, Total	0.440		0.100	1	05/28/2025 16:47	WG2525505
(S) Toluene-d8	*102*		*75.0-131*		*05/28/2025 16:47*	WG2525505
(S) 4-Bromofluorobenzene	*108*		*67.0-138*		*05/28/2025 16:47*	WG2525505
(S) 1,2-Dichloroethane-d4	*97.1*		*70.0-130*		*05/28/2025 16:47*	WG2525505

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	2250		400	100	06/03/2025 05:36	WG2528096
C28-C36 Motor Oil Range	1890		400	100	06/03/2025 05:36	WG2528096
(S) o-Terphenyl	*0.000*	J7	*18.0-148*		*06/03/2025 05:36*	WG2528096

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.101		0.0330	1	05/31/2025 01:22	WG2526583
Anthracene	ND		0.0330	1	05/31/2025 01:22	WG2526583
Benzo(a)anthracene	ND		0.00600	1	05/31/2025 01:22	WG2526583
Benzo(b)fluoranthene	ND		0.0330	1	05/31/2025 01:22	WG2526583
Benzo(k)fluoranthene	ND		0.0330	1	05/31/2025 01:22	WG2526583
Benzo(a)pyrene	ND		0.0330	1	05/31/2025 01:22	WG2526583
Chrysene	0.0466		0.0330	1	05/31/2025 01:22	WG2526583
Dibenz(a,h)anthracene	ND		0.0330	1	05/31/2025 01:22	WG2526583
Fluoranthene	0.0365		0.0330	1	05/31/2025 01:22	WG2526583
Fluorene	0.479		0.0330	1	05/31/2025 01:22	WG2526583
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/31/2025 01:22	WG2526583
1-Methylnaphthalene	2.13		0.00300	1	05/31/2025 01:22	WG2526583
2-Methylnaphthalene	2.81		0.0120	1	05/31/2025 01:22	WG2526583
Naphthalene	1.15	J4	0.00300	1	05/31/2025 01:22	WG2526583
Pyrene	0.0539		0.0330	1	05/31/2025 01:22	WG2526583
(S) p-Terphenyl-d14	*91.8*		*23.0-120*		*05/31/2025 01:22*	WG2526583
(S) Nitrobenzene-d5	*0.000*	J2	*14.0-149*		*05/31/2025 01:22*	WG2526583
(S) 2-Fluorobiphenyl	*115*		*34.0-125*		*05/31/2025 01:22*	WG2526583

Sample Narrative:

L1862789-02 WG2526583: Surrogate failure due to matrix interference

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.710		1	05/29/2025 11:42	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	06/03/2025 22:16	WG2528378

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.53		1	05/29/2025 10:39	WG2525954

Sample Narrative:

L1862789-03 WG2525954: 8.53 at 22.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	184	umhos/cm		10.0	1	05/29/2025 17:00	WG2525959

Sample Narrative:

L1862789-03 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	0.260		0.200	1	05/28/2025 18:50	WG2524698

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.73		0.100	5	06/07/2025 02:22	WG2526240
Barium	105		10.0	5	06/07/2025 02:22	WG2526240
Cadmium	0.228		0.100	5	06/07/2025 02:22	WG2526240
Copper	117		10.0	5	06/07/2025 02:22	WG2526240
Lead	10.5		10.0	5	06/07/2025 02:22	WG2526240
Nickel	10.8		10.0	5	06/07/2025 02:22	WG2526240
Selenium	0.649		0.100	5	06/07/2025 02:22	WG2526240
Silver	ND		0.500	5	06/07/2025 02:22	WG2526240
Zinc	59.5		50.0	5	06/07/2025 02:22	WG2526240

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	05/30/2025 09:20	WG2526691
(S) a,a,a-Trifluorotoluene(FID)	*97.2*		*77.0-120*		*05/30/2025 09:20*	WG2526691

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	05/28/2025 17:06	WG2525505
Ethylbenzene	ND		0.0100	1	05/28/2025 17:06	WG2525505
Toluene	ND		0.0100	1	05/28/2025 17:06	WG2525505
1,2,4-Trimethylbenzene	ND		0.00500	1	05/28/2025 17:06	WG2525505
1,3,5-Trimethylbenzene	ND		0.00500	1	05/28/2025 17:06	WG2525505
Xylenes, Total	ND		0.100	1	05/28/2025 17:06	WG2525505
(S) Toluene-d8	*103*		*75.0-131*		*05/28/2025 17:06*	WG2525505
(S) 4-Bromofluorobenzene	*99.2*		*67.0-138*		*05/28/2025 17:06*	WG2525505
(S) 1,2-Dichloroethane-d4	*98.6*		*70.0-130*		*05/28/2025 17:06*	WG2525505

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	106	J6	40.0	10	06/03/2025 04:40	WG2528096
C28-C36 Motor Oil Range	324		40.0	10	06/03/2025 04:40	WG2528096
(S) o-Terphenyl	*78.9*		*18.0-148*		*06/03/2025 04:40*	WG2528096

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0330	1	05/31/2025 01:05	WG2526583
Anthracene	ND		0.0330	1	05/31/2025 01:05	WG2526583
Benzo(a)anthracene	ND		0.00600	1	05/31/2025 01:05	WG2526583
Benzo(b)fluoranthene	ND		0.0330	1	05/31/2025 01:05	WG2526583
Benzo(k)fluoranthene	ND		0.0330	1	05/31/2025 01:05	WG2526583
Benzo(a)pyrene	ND		0.0330	1	05/31/2025 01:05	WG2526583
Chrysene	ND		0.0330	1	05/31/2025 01:05	WG2526583
Dibenz(a,h)anthracene	ND		0.0330	1	05/31/2025 01:05	WG2526583
Fluoranthene	ND		0.0330	1	05/31/2025 01:05	WG2526583
Fluorene	ND		0.0330	1	05/31/2025 01:05	WG2526583
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/31/2025 01:05	WG2526583
1-Methylnaphthalene	ND		0.00300	1	05/31/2025 01:05	WG2526583
2-Methylnaphthalene	ND		0.0120	1	05/31/2025 01:05	WG2526583
Naphthalene	ND	J4	0.00300	1	05/31/2025 01:05	WG2526583
Pyrene	ND		0.0330	1	05/31/2025 01:05	WG2526583
(S) p-Terphenyl-d14	*90.7*		*23.0-120*		*05/31/2025 01:05*	WG2526583
(S) Nitrobenzene-d5	*99.7*		*14.0-149*		*05/31/2025 01:05*	WG2526583
(S) 2-Fluorobiphenyl	*102*		*34.0-125*		*05/31/2025 01:05*	WG2526583

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.67		1	05/29/2025 19:31	WG2524691

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.202		0.200	1	06/04/2025 17:48	WG2527989

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.60		1	05/29/2025 10:39	WG2526050

Sample Narrative:
L1862789-04 WG2526050: 8.6 at 22.4C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	600	umhos/cm		10.0	1	05/29/2025 16:30	WG2526057

Sample Narrative:
L1862789-04 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	0.553		0.200	1	06/06/2025 00:44	WG2529318

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.57		0.100	5	06/07/2025 02:25	WG2526240
Barium	126		10.0	5	06/07/2025 02:25	WG2526240
Cadmium	0.222		0.100	5	06/07/2025 02:25	WG2526240
Copper	12.8		10.0	5	06/07/2025 02:25	WG2526240
Lead	10.5		10.0	5	06/07/2025 02:25	WG2526240
Nickel	16.9		10.0	5	06/07/2025 02:25	WG2526240
Selenium	0.663		0.100	5	06/07/2025 02:25	WG2526240
Silver	ND		0.500	5	06/07/2025 02:25	WG2526240
Zinc	52.5		50.0	5	06/07/2025 02:25	WG2526240

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	05/30/2025 09:39	WG2526691
(S) a,a,a-Trifluorotoluene(FID)	*95.0*		*77.0-120*		*05/30/2025 09:39*	WG2526691

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	05/28/2025 17:30	WG2525505
Ethylbenzene	ND		0.0100	1	05/28/2025 17:30	WG2525505
Toluene	ND		0.0100	1	05/28/2025 17:30	WG2525505
1,2,4-Trimethylbenzene	ND		0.00500	1	05/28/2025 17:30	WG2525505
1,3,5-Trimethylbenzene	ND		0.00500	1	05/28/2025 17:30	WG2525505
Xylenes, Total	ND		0.100	1	05/28/2025 17:30	WG2525505
(S) Toluene-d8	*100*		*75.0-131*		*05/28/2025 17:30*	WG2525505
(S) 4-Bromofluorobenzene	*97.1*		*67.0-138*		*05/28/2025 17:30*	WG2525505
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*05/28/2025 17:30*	WG2525505

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	06/03/2025 02:33	WG2528096
C28-C36 Motor Oil Range	ND		4.00	1	06/03/2025 02:33	WG2528096
(S) o-Terphenyl	*93.2*		*18.0-148*		*06/03/2025 02:33*	WG2528096

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0330	1	05/30/2025 20:45	WG2526583
Anthracene	ND		0.0330	1	05/30/2025 20:45	WG2526583
Benzo(a)anthracene	ND		0.00600	1	05/30/2025 20:45	WG2526583
Benzo(b)fluoranthene	ND		0.0330	1	05/30/2025 20:45	WG2526583
Benzo(k)fluoranthene	ND		0.0330	1	05/30/2025 20:45	WG2526583
Benzo(a)pyrene	ND		0.0330	1	05/30/2025 20:45	WG2526583
Chrysene	ND		0.0330	1	05/30/2025 20:45	WG2526583
Dibenz(a,h)anthracene	ND		0.0330	1	05/30/2025 20:45	WG2526583
Fluoranthene	ND		0.0330	1	05/30/2025 20:45	WG2526583
Fluorene	ND		0.0330	1	05/30/2025 20:45	WG2526583
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/30/2025 20:45	WG2526583
1-Methylnaphthalene	ND		0.00300	1	05/30/2025 20:45	WG2526583
2-Methylnaphthalene	ND		0.0120	1	05/30/2025 20:45	WG2526583
Naphthalene	ND	J4	0.00300	1	05/30/2025 20:45	WG2526583
Pyrene	ND		0.0330	1	05/30/2025 20:45	WG2526583
(S) p-Terphenyl-d14	*92.3*		*23.0-120*		*05/30/2025 20:45*	WG2526583
(S) Nitrobenzene-d5	*97.3*		*14.0-149*		*05/30/2025 20:45*	WG2526583
(S) 2-Fluorobiphenyl	*101*		*34.0-125*		*05/30/2025 20:45*	WG2526583

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	3.01		1	06/01/2025 02:04	WG2524683

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.308		0.200	1	06/04/2025 17:58	WG2527989

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	7.97		1	06/02/2025 15:58	WG2528280

Sample Narrative:

L1862789-05 WG2528280: 7.97 at 24.7C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	454	umhos/cm		10.0	1	06/03/2025 16:01	WG2528284

Sample Narrative:

L1862789-05 WG2528284: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.752		0.200	1	06/01/2025 12:41	WG2524696

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.24		0.100	5	06/07/2025 02:29	WG2526240
Barium	100		10.0	5	06/07/2025 02:29	WG2526240
Cadmium	0.162		0.100	5	06/07/2025 02:29	WG2526240
Copper	ND		10.0	5	06/07/2025 02:29	WG2526240
Lead	10.3		10.0	5	06/07/2025 02:29	WG2526240
Nickel	ND		10.0	5	06/07/2025 02:29	WG2526240
Selenium	0.448		0.100	5	06/07/2025 02:29	WG2526240
Silver	ND		0.500	5	06/07/2025 02:29	WG2526240
Zinc	ND		50.0	5	06/07/2025 02:29	WG2526240

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	124		2.50	25	06/03/2025 23:08	WG2529429
(S) a,a,a-Trifluorotoluene(FID)	*95.7*		*77.0-120*		*06/03/2025 23:08*	WG2529429

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	05/28/2025 17:49	WG2525505
Ethylbenzene	0.136		0.0100	1	05/28/2025 17:49	WG2525505
Toluene	ND		0.0100	1	05/28/2025 17:49	WG2525505
1,2,4-Trimethylbenzene	2.43		0.00500	1	05/28/2025 17:49	WG2525505
1,3,5-Trimethylbenzene	0.839		0.00500	1	05/28/2025 17:49	WG2525505
Xylenes, Total	2.05		0.100	1	05/28/2025 17:49	WG2525505
(S) Toluene-d8	*112*		*75.0-131*		*05/28/2025 17:49*	WG2525505
(S) 4-Bromofluorobenzene	*122*		*67.0-138*		*05/28/2025 17:49*	WG2525505
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*05/28/2025 17:49*	WG2525505

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	49.8		4.00	1	06/03/2025 04:11	WG2528096
C28-C36 Motor Oil Range	90.7		4.00	1	06/03/2025 04:11	WG2528096
(S) o-Terphenyl	*52.7*		*18.0-148*		*06/03/2025 04:11*	WG2528096

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0330	1	05/31/2025 00:47	WG2526583
Anthracene	ND		0.0330	1	05/31/2025 00:47	WG2526583
Benzo(a)anthracene	ND		0.00600	1	05/31/2025 00:47	WG2526583
Benzo(b)fluoranthene	ND		0.0330	1	05/31/2025 00:47	WG2526583
Benzo(k)fluoranthene	ND		0.0330	1	05/31/2025 00:47	WG2526583
Benzo(a)pyrene	ND		0.0330	1	05/31/2025 00:47	WG2526583
Chrysene	ND		0.0330	1	05/31/2025 00:47	WG2526583
Dibenz(a,h)anthracene	ND		0.0330	1	05/31/2025 00:47	WG2526583
Fluoranthene	ND		0.0330	1	05/31/2025 00:47	WG2526583
Fluorene	ND		0.0330	1	05/31/2025 00:47	WG2526583
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/31/2025 00:47	WG2526583
1-Methylnaphthalene	0.0258		0.00300	1	05/31/2025 00:47	WG2526583
2-Methylnaphthalene	0.0319		0.0120	1	05/31/2025 00:47	WG2526583
Naphthalene	0.0140	J4	0.00300	1	05/31/2025 00:47	WG2526583
Pyrene	ND		0.0330	1	05/31/2025 00:47	WG2526583
(S) p-Terphenyl-d14	*89.3*		*23.0-120*		*05/31/2025 00:47*	WG2526583
(S) Nitrobenzene-d5	*92.7*		*14.0-149*		*05/31/2025 00:47*	WG2526583
(S) 2-Fluorobiphenyl	*97.6*		*34.0-125*		*05/31/2025 00:47*	WG2526583

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	3.80		1	05/30/2025 15:59	WG2524662

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 18:09	WG2527989

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.82		1	05/30/2025 08:09	WG2526888

Sample Narrative:

L1862789-06 WG2526888: 8.82 at 21.5C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1080	umhos/cm		10.0	1	05/30/2025 18:00	WG2526889

Sample Narrative:

L1862789-06 WG2526889: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.758		0.400	2	05/30/2025 10:17	WG2524673

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.07		0.100	5	06/07/2025 01:39	WG2526240
Barium	89.7		10.0	5	06/07/2025 01:39	WG2526240
Cadmium	0.175		0.100	5	06/07/2025 01:39	WG2526240
Copper	11.6		10.0	5	06/07/2025 01:39	WG2526240
Lead	17.5		10.0	5	06/07/2025 01:39	WG2526240
Nickel	ND		10.0	5	06/07/2025 01:39	WG2526240
Selenium	0.649		0.100	5	06/07/2025 01:39	WG2526240
Silver	ND		0.500	5	06/07/2025 01:39	WG2526240
Zinc	ND		50.0	5	06/07/2025 01:39	WG2526240

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	0.149		0.100	1	06/04/2025 01:44	WG2529433
(S) a,a,a-Trifluorotoluene(FID)	*95.6*		*77.0-120*		*06/04/2025 01:44*	WG2529433

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	05/28/2025 18:08	WG2525505
Ethylbenzene	ND		0.0100	1	05/28/2025 18:08	WG2525505
Toluene	ND		0.0100	1	05/28/2025 18:08	WG2525505
1,2,4-Trimethylbenzene	ND		0.00500	1	05/29/2025 21:50	WG2526132
1,3,5-Trimethylbenzene	ND		0.00500	1	05/28/2025 18:08	WG2525505
Xylenes, Total	ND		0.100	1	05/28/2025 18:08	WG2525505
(S) Toluene-d8	*98.4*		*75.0-131*		*05/28/2025 18:08*	WG2525505
(S) Toluene-d8	*99.6*		*75.0-131*		*05/29/2025 21:50*	WG2526132
(S) 4-Bromofluorobenzene	*107*		*67.0-138*		*05/28/2025 18:08*	WG2525505
(S) 4-Bromofluorobenzene	*99.9*		*67.0-138*		*05/29/2025 21:50*	WG2526132
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*05/28/2025 18:08*	WG2525505
(S) 1,2-Dichloroethane-d4	*92.8*		*70.0-130*		*05/29/2025 21:50*	WG2526132

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	1440		160	40	06/03/2025 05:22	WG2528096
C28-C36 Motor Oil Range	2400		160	40	06/03/2025 05:22	WG2528096
(S) o-Terphenyl	*0.000*	J7	*18.0-148*		*06/03/2025 05:22*	WG2528096

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0330	1	05/31/2025 01:39	WG2526583
Anthracene	ND		0.0330	1	05/31/2025 01:39	WG2526583
Benzo(a)anthracene	ND		0.00600	1	05/31/2025 01:39	WG2526583
Benzo(b)fluoranthene	ND		0.0330	1	05/31/2025 01:39	WG2526583
Benzo(k)fluoranthene	ND		0.0330	1	05/31/2025 01:39	WG2526583
Benzo(a)pyrene	ND		0.0330	1	05/31/2025 01:39	WG2526583
Chrysene	ND		0.0330	1	05/31/2025 01:39	WG2526583
Dibenz(a,h)anthracene	ND		0.0330	1	05/31/2025 01:39	WG2526583
Fluoranthene	ND		0.0330	1	05/31/2025 01:39	WG2526583
Fluorene	ND		0.0330	1	05/31/2025 01:39	WG2526583
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/31/2025 01:39	WG2526583
1-Methylnaphthalene	0.0146		0.00300	1	05/31/2025 01:39	WG2526583
2-Methylnaphthalene	ND		0.0120	1	05/31/2025 01:39	WG2526583
Naphthalene	ND	J4	0.00300	1	05/31/2025 01:39	WG2526583
Pyrene	ND		0.0330	1	05/31/2025 01:39	WG2526583
(S) p-Terphenyl-d14	*75.6*		*23.0-120*		*05/31/2025 01:39*	WG2526583
(S) Nitrobenzene-d5	*0.000*	J2	*14.0-149*		*05/31/2025 01:39*	WG2526583
(S) 2-Fluorobiphenyl	*59.9*		*34.0-125*		*05/31/2025 01:39*	WG2526583

Sample Narrative:

L1862789-06 WG2526583: Surrogate failure due to matrix interference

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	2.61		1	06/01/2025 02:07	WG2524683

Wet Chemistry by Method 7199

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.333		0.200	1	06/04/2025 18:19	WG2527989

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.38		1	06/02/2025 15:58	WG2528280

Sample Narrative:

L1862789-07 WG2528280: 8.38 at 24.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	456	umhos/cm		10.0	1	06/03/2025 16:01	WG2528284

Sample Narrative:

L1862789-07 WG2528284: at 25C

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.671		0.200	1	06/01/2025 12:43	WG2524696

Metals (ICPMS) by Method 6020

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	8.67		0.100	5	06/08/2025 20:41	WG2526240
Barium	195		10.0	5	06/08/2025 20:41	WG2526240
Cadmium	0.509		0.100	5	06/08/2025 20:41	WG2526240
Copper	20.5		10.0	5	06/08/2025 20:41	WG2526240
Lead	12.2		10.0	5	06/08/2025 20:41	WG2526240
Nickel	14.6		10.0	5	06/08/2025 20:41	WG2526240
Selenium	0.690		0.100	5	06/08/2025 20:41	WG2526240
Silver	ND		0.500	5	06/08/2025 20:41	WG2526240
Zinc	54.3		50.0	5	06/08/2025 20:41	WG2526240

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	05/30/2025 11:09	WG2526691
(S) a,a,a-Trifluorotoluene(FID)	*97.9*		*77.0-120*		*05/30/2025 11:09*	WG2526691

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	05/28/2025 18:28	WG2525505
Ethylbenzene	ND		0.0100	1	05/28/2025 18:28	WG2525505
Toluene	ND		0.0100	1	05/28/2025 18:28	WG2525505
1,2,4-Trimethylbenzene	ND		0.00500	1	05/28/2025 18:28	WG2525505
1,3,5-Trimethylbenzene	ND		0.00500	1	05/28/2025 18:28	WG2525505
Xylenes, Total	ND		0.100	1	05/28/2025 18:28	WG2525505
(S) Toluene-d8	*104*		*75.0-131*		*05/28/2025 18:28*	WG2525505
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*05/28/2025 18:28*	WG2525505
(S) 1,2-Dichloroethane-d4	*95.4*		*70.0-130*		*05/28/2025 18:28*	WG2525505

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	20.8		4.00	1	06/03/2025 03:58	WG2528096
C28-C36 Motor Oil Range	61.3		4.00	1	06/03/2025 03:58	WG2528096
(S) o-Terphenyl	*59.5*		*18.0-148*		*06/03/2025 03:58*	WG2528096

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

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0330	1	05/30/2025 21:37	WG2526583
Anthracene	ND		0.0330	1	05/30/2025 21:37	WG2526583
Benzo(a)anthracene	ND		0.00600	1	05/30/2025 21:37	WG2526583
Benzo(b)fluoranthene	ND		0.0330	1	05/30/2025 21:37	WG2526583
Benzo(k)fluoranthene	ND		0.0330	1	05/30/2025 21:37	WG2526583
Benzo(a)pyrene	ND		0.0330	1	05/30/2025 21:37	WG2526583
Chrysene	ND		0.0330	1	05/30/2025 21:37	WG2526583
Dibenz(a,h)anthracene	ND		0.0330	1	05/30/2025 21:37	WG2526583
Fluoranthene	ND		0.0330	1	05/30/2025 21:37	WG2526583
Fluorene	ND		0.0330	1	05/30/2025 21:37	WG2526583
Indeno(1,2,3-cd)pyrene	ND		0.0330	1	05/30/2025 21:37	WG2526583
1-Methylnaphthalene	ND		0.00300	1	05/30/2025 21:37	WG2526583
2-Methylnaphthalene	ND		0.0120	1	05/30/2025 21:37	WG2526583
Naphthalene	ND	J4	0.00300	1	05/30/2025 21:37	WG2526583
Pyrene	ND		0.0330	1	05/30/2025 21:37	WG2526583
(S) p-Terphenyl-d14	*94.0*		*23.0-120*		*05/30/2025 21:37*	WG2526583
(S) Nitrobenzene-d5	*98.9*		*14.0-149*		*05/30/2025 21:37*	WG2526583
(S) 2-Fluorobiphenyl	*102*		*34.0-125*		*05/30/2025 21:37*	WG2526583

QUALITY CONTROL SUMMARY

L1862789-01,02,04,05,06,07

Method Blank (MB)

(MB) R4225664-1 06/04/25 15:31

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

L1862504-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1862504-02 06/04/25 16:03 • (DUP) R4225664-3 06/04/25 16:13

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

L1862789-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1862789-07 06/04/25 18:19 • (DUP) R4225664-4 06/04/25 18:30

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	0.333	0.357	1	6.91		20

Laboratory Control Sample (LCS)

(LCS) R4225664-2 06/04/25 15:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	9.25	92.5	80.0-120	

L1862932-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862932-10 06/04/25 19:43 • (MS) R4225664-5 06/04/25 19:54 • (MSD) R4225664-6 06/04/25 20:04

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.0	ND	18.3	16.9	91.6	84.4	1	75.0-125			8.25	20

L1862932-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1862932-10 06/04/25 19:43 • (MS) R4225664-7 06/04/25 20:15

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	631	ND	590	93.6	50	75.0-125	

QUALITY CONTROL SUMMARY

L1862789-03

Method Blank (MB)

(MB) R4225088-1 06/03/25 21:03

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

L1862865-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1862865-01 06/03/25 23:33 • (DUP) R4225088-7 06/03/25 23:43

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	0.237	0.257	1	8.00		20

L1863457-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1863457-03 06/04/25 00:46 • (DUP) R4225088-8 06/04/25 01:38

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) R4225088-2 06/03/25 21:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	9.18	91.8	80.0-120	

L1862789-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862789-03 06/03/25 22:16 • (MS) R4225088-3 06/03/25 22:26 • (MSD) R4225088-4 06/03/25 22:37

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 %
Hexavalent Chromium	20.0	ND	16.7	17.4	83.4	87.1	1	75.0-125			4.32	20

L1862789-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1862789-03 06/03/25 22:16 • (MS) R4225088-5 06/03/25 23:12

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	638	ND	499	78.2	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

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

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

L1861882-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1861882-02 05/30/25 08:09 • (DUP) R4222916-2 05/30/25 08:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.24	8.24	1	0.000		1

Sample Narrative:

OS: 8.24 at 21.8C

DUP: 8.24 at 21.7C

L1862951-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1862951-01 05/30/25 08:09 • (DUP) R4222916-3 05/30/25 08:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.49	8.48	1	0.118		1

Sample Narrative:

OS: 8.49 at 21.4C

DUP: 8.48 at 21.4C

Laboratory Control Sample (LCS)

(LCS) R4222916-1 05/30/25 08:09

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

Sample Narrative:

LCS: 9.98 at 21.3C

L1862789-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1862789-07 06/02/25 15:58 • (DUP) R4224331-2 06/02/25 15:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.38	8.38	1	0.000		1

Sample Narrative:

OS: 8.38 at 24.3C

DUP: 8.38 at 24.5C

L1862947-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1862947-06 06/02/25 15:58 • (DUP) R4224331-3 06/02/25 15:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.25	8.27	1	0.242		1

Sample Narrative:

OS: 8.25 at 23.8C

DUP: 8.27 at 24.2C

Laboratory Control Sample (LCS)

(LCS) R4224331-1 06/02/25 15:58

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 24C

Method Blank (MB)

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

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	ND		10.0	10.0

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 umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	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 umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	297	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 umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	578	99.5	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

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

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	ND		10.0	10.0

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 umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	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 umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	350	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 umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	582	100	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4223244-1 05/30/25 18:00

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	ND		10.0	10.0

Sample Narrative:
BLANK: at 25C

L1861882-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1861882-03 05/30/25 18:00 • (DUP) R4223244-3 05/30/25 18:00

Analyte	Original Result mmhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	485	1	0.413		20

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

L1862939-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1862939-01 05/30/25 18:00 • (DUP) R4223244-4 05/30/25 18:00

Analyte	Original Result mmhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	354	1	0.000		20

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

Laboratory Control Sample (LCS)

(LCS) R4223244-2 05/30/25 18:00

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	546	94.0	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4224855-1 06/03/25 16:01

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	ND		10.0	10.0

Sample Narrative:
BLANK: at 25C

L1862789-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1862789-07 06/03/25 16:01 • (DUP) R4224855-3 06/03/25 16:01

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	456	456	1	0.000		20

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

L1862947-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1862947-06 06/03/25 16:01 • (DUP) R4224855-4 06/03/25 16:01

Analyte	Original Result mmhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	232	1	0.0432		20

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

Laboratory Control Sample (LCS)

(LCS) R4224855-2 06/03/25 16:01

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	563	96.9	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4223103-1 05/30/25 09:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	ND		0.0167	0.200

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

(LCS) R4223103-2 05/30/25 09:46 • (LCSD) R4223103-3 05/30/25 09:48

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	1.10	1.09	110	109	80.0-120			0.762	20

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	ND		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

Method Blank (MB)

(MB) R4223746-1 06/01/25 12:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	ND		0.0167	0.200

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

(LCS) R4223746-2 06/01/25 12:38 • (LCSD) R4223746-3 06/01/25 12:40

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	1.04	1.05	104	105	80.0-120			0.817	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	ND		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

Method Blank (MB)

(MB) R4226435-1 06/06/25 00:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	ND		0.0167	0.200

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

(LCS) R4226435-2 06/06/25 00:40 • (LCSD) R4226435-3 06/06/25 00:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.03	1.05	103	105	80.0-120			1.86	20

Method Blank (MB)

(MB) R4226961-1 06/07/25 01:33

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

Laboratory Control Sample (LCS)

(LCS) R4226961-2 06/07/25 01:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	107	107	80.0-120	
Barium	100	107	107	80.0-120	
Cadmium	100	117	117	80.0-120	
Copper	100	110	110	80.0-120	
Lead	100	103	103	80.0-120	
Nickel	100	112	112	80.0-120	
Selenium	100	110	110	80.0-120	
Silver	20.0	21.9	109	80.0-120	
Zinc	100	106	106	80.0-120	

L1862789-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862789-06 06/07/25 01:39 • (MS) R4226961-5 06/07/25 01:49 • (MSD) R4226961-6 06/07/25 01:53

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	3.07	95.0	79.6	91.9	76.5	5	75.0-125			17.6	20
Barium	100	89.7	176	147	86.6	57.7	5	75.0-125		J6	17.9	20
Cadmium	100	0.175	103	86.3	103	86.1	5	75.0-125			17.5	20
Copper	100	11.6	99.8	81.6	88.2	70.1	5	75.0-125		J6	20.0	20
Lead	100	17.5	101	86.0	83.7	68.5	5	75.0-125		J6	16.3	20
Nickel	100	ND	101	80.6	90.9	70.8	5	75.0-125		J3	22.2	20
Selenium	100	0.649	95.6	80.8	94.9	80.1	5	75.0-125			16.8	20
Silver	20.0	ND	20.6	18.6	103	93.1	5	75.0-125			10.0	20
Zinc	100	ND	121	103	84.0	65.5	5	75.0-125			16.5	20

Method Blank (MB)

(MB) R4222857-3 05/30/25 02:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	ND		0.0800	0.100
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*

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

(LCS) R4222857-1 05/30/25 01:09 • (LCSD) R4222857-2 05/30/25 01:29

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	4.37	4.41	87.4	88.2	72.0-127			0.911	20
(S) a,a,a-Trifluorotoluene(FID)				*112*	*109*	*77.0-120*				

Method Blank (MB)

(MB) R4225276-2 06/03/25 19:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	ND		2.00	2.50
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*77.0-120*

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

(LCS) R4225276-1 06/03/25 18:35 • (LCSD) R4225276-3 06/04/25 01:41

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	4.90	4.58	98.0	91.6	72.0-127			6.75	20
(S) a,a,a-Trifluorotoluene(FID)				*104*	*103*	*77.0-120*				

Method Blank (MB)

(MB) R4225206-3 06/04/25 01:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	ND		0.0800	0.100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

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

(LCS) R4225206-1 06/03/25 23:31 • (LCSD) R4225206-2 06/04/25 00:08

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	5.69	5.85	114	117	72.0-127			2.77	20
(S) a,a,a-Trifluorotoluene(FID)				*103*	*103*	*77.0-120*				

Method Blank (MB)

(MB) R4222327-2 05/28/25 10:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	ND		0.00100	0.00100
Ethylbenzene	ND		0.0100	0.0100
Toluene	ND		0.0100	0.0100
1,2,4-Trimethylbenzene	ND		0.00500	0.00500
1,3,5-Trimethylbenzene	ND		0.00500	0.00500
Xylenes, Total	ND		0.100	0.100
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*94.1*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4222327-1 05/28/25 09:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.126	101	70.0-123	
Ethylbenzene	0.125	0.123	98.4	74.0-126	
Toluene	0.125	0.121	96.8	75.0-121	
1,2,4-Trimethylbenzene	0.125	0.111	88.8	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.116	92.8	73.0-127	
Xylenes, Total	0.375	0.345	92.0	72.0-127	
(S) Toluene-d8			*101*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.2*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*96.2*	*70.0-130*	

L1862789-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862789-03 05/28/25 17:06 • (MS) R4222327-3 05/28/25 21:38 • (MSD) R4222327-4 05/28/25 21:58

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	ND	0.141	0.136	113	109	1	10.0-149			3.61	37
Ethylbenzene	0.125	ND	0.143	0.142	114	114	1	10.0-160			0.702	38
Toluene	0.125	ND	0.133	0.137	106	110	1	10.0-156			2.96	38
1,2,4-Trimethylbenzene	0.125	ND	0.131	0.125	105	100	1	10.0-160			4.69	36
1,3,5-Trimethylbenzene	0.125	ND	0.128	0.126	102	101	1	10.0-160			1.57	38
Xylenes, Total	0.375	ND	0.419	0.414	112	110	1	10.0-160			1.20	38
(S) Toluene-d8					*97.6*	*99.2*		*75.0-131*				
(S) 4-Bromofluorobenzene					*97.6*	*98.9*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*109*	*103*		*70.0-130*				

Method Blank (MB)

(MB) R4223932-3 05/29/25 09:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
1,2,4-Trimethylbenzene	ND		0.00500	0.00500
(S) Toluene-d8	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*90.1*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*

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

(LCS) R4223932-1 05/29/25 08:06 • (LCSD) R4223932-2 05/29/25 08:27

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 %
1,2,4-Trimethylbenzene	0.125	0.121	0.108	96.8	86.4	70.0-126			11.4	20
(S) Toluene-d8				*98.8*	*98.5*	*75.0-131*				
(S) 4-Bromofluorobenzene				*87.2*	*89.6*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*104*	*103*	*70.0-130*				

Method Blank (MB)

(MB) R4224594-1 06/02/25 23:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	ND		1.61	4.00
C28-C36 Motor Oil Range	ND		0.274	4.00
(S) o-Terphenyl	*82.1*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4224594-2 06/03/25 00:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	41.7	83.4	50.0-150	
(S) o-Terphenyl			*76.7*	*18.0-148*	

L1862789-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862789-03 06/03/25 04:40 • (MS) R4224594-3 06/03/25 04:54 • (MSD) R4224594-4 06/03/25 05:08

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	48.9	106	123	122	34.8	32.5	10	50.0-150	J6	J6	0.816	20
(S) o-Terphenyl					*81.0*	*76.5*		*18.0-148*				

Method Blank (MB)

(MB) R4223385-2 05/30/25 19:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	ND		0.0330	0.0330
Anthracene	ND		0.0330	0.0330
Benzo(a)anthracene	ND		0.00600	0.00600
Benzo(b)fluoranthene	ND		0.0330	0.0330
Benzo(k)fluoranthene	ND		0.0330	0.0330
Benzo(a)pyrene	ND		0.0330	0.0330
Chrysene	ND		0.0330	0.0330
Dibenz(a,h)anthracene	ND		0.0330	0.0330
Fluoranthene	ND		0.0330	0.0330
Fluorene	ND		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	ND		0.0330	0.0330
1-Methylnaphthalene	ND		0.00300	0.00300
2-Methylnaphthalene	ND		0.0120	0.0120
Naphthalene	ND		0.00300	0.00300
Pyrene	ND		0.0330	0.0330
(S) p-Terphenyl-d14	*91.8*			*23.0-120*
(S) Nitrobenzene-d5	*96.5*			*14.0-149*
(S) 2-Fluorobiphenyl	*100*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4223385-1 05/30/25 19:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0689	86.1	50.0-120	
Anthracene	0.0800	0.0764	95.5	50.0-126	
Benzo(a)anthracene	0.0800	0.0757	94.6	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0717	89.6	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0706	88.3	49.0-125	
Benzo(a)pyrene	0.0800	0.0717	89.6	42.0-120	
Chrysene	0.0800	0.0747	93.4	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0736	92.0	47.0-125	
Fluoranthene	0.0800	0.0780	97.5	49.0-129	
Fluorene	0.0800	0.0785	98.1	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0715	89.4	46.0-125	
1-Methylnaphthalene	0.0800	0.0746	93.3	51.0-121	
2-Methylnaphthalene	0.0800	0.0769	96.1	50.0-120	
Naphthalene	0.0800	0.0991	124	50.0-120	J4
Pyrene	0.0800	0.0728	91.0	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4223385-1 05/30/25 19:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			*96.9*	*23.0-120*	
(S) Nitrobenzene-d5			*108*	*14.0-149*	
(S) 2-Fluorobiphenyl			*109*	*34.0-125*	

L1862789-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862789-04 05/30/25 20:45 • (MS) R4223385-3 05/30/25 21:02 • (MSD) R4223385-4 05/30/25 21:19

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0768	ND	0.0643	0.0719	83.7	92.2	1	14.0-127			11.2	27
Anthracene	0.0768	ND	0.0701	0.0786	91.3	101	1	10.0-145			11.4	30
Benzo(a)anthracene	0.0768	ND	0.0702	0.0770	91.4	98.7	1	10.0-139			9.24	30
Benzo(b)fluoranthene	0.0768	ND	0.0671	0.0735	87.4	94.2	1	10.0-140			9.10	36
Benzo(k)fluoranthene	0.0768	ND	0.0665	0.0734	86.6	94.1	1	10.0-137			9.86	31
Benzo(a)pyrene	0.0768	ND	0.0682	0.0752	88.8	96.4	1	10.0-141			9.76	31
Chrysene	0.0768	ND	0.0718	0.0788	93.5	101	1	10.0-145			9.30	30
Dibenz(a,h)anthracene	0.0768	ND	0.0705	0.0774	91.8	99.2	1	10.0-132			9.33	31
Fluoranthene	0.0768	ND	0.0716	0.0804	93.2	103	1	10.0-153			11.6	33
Fluorene	0.0768	ND	0.0714	0.0808	93.0	104	1	11.0-130			12.4	29
Indeno(1,2,3-cd)pyrene	0.0768	ND	0.0680	0.0738	88.5	94.6	1	10.0-137			8.18	32
1-Methylnaphthalene	0.0768	ND	0.0689	0.0778	89.7	99.7	1	10.0-142			12.1	28
2-Methylnaphthalene	0.0768	ND	0.0676	0.0762	88.0	97.7	1	10.0-137			12.0	28
Naphthalene	0.0768	ND	0.0663	0.0740	86.3	94.9	1	10.0-135			11.0	27
Pyrene	0.0768	ND	0.0620	0.0696	80.7	89.2	1	10.0-148			11.6	35
(S) p-Terphenyl-d14					*87.0*	*93.6*		*23.0-120*				
(S) Nitrobenzene-d5					*93.5*	*101*		*14.0-149*				
(S) 2-Fluorobiphenyl					*97.0*	*104*		*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.
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
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Chain of Custody Page 1 of ___

Pace® PEOPLE ADVANCING SCIENCE

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 # L1862789
B185

Company Name/Address:
Civitas - CO
6855 W 118th Ave
Broomfield, CO 80020

Billing Information:
Accounts Payable
650 Southgate Dr
Windsor, CO 80550

Pres Chk

Report to: Jacob Evans

Email To: tlyon@ensolum.com; cc jevans@civiresources.com

Project Description: GORDON 13-19

City/State Collected: CO

Please Circle: PT (MT) CT ET

Phone: 720-885-0684

Client Project #

Lab Project #

Collected by (print): Elio Garcia

Site/Facility ID #: 09C2407089

P.O. #

Collected by (signature): [signature]

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

Quote #

Date Results Needed: **Standard TAT**

Immediately Packed on Ice N ___ Y X

Analysis / Container / Preservative: Full 915-1

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Full 915-1	Remarks	Sample # (lab only)
SEP01-Inlet @ 3'	Grab	SS	3	5/23/25	1101	3	X		-01
SEP01-Outlet @ 3'	↓	↓	3	↓	1104	↓	↓		-02
PWV-B01 @ 4'	↓	↓	4	↓	1001	↓	↓		-03
PWV-N01 @ 2'	↓	↓	2	↓	1004	↓	↓		-04
FL03 @ 3'	↓	↓	3	↓	1125	↓	↓		-05
FL04 @ 3'	↓	↓	3	↓	1205	↓	↓		-06
SP-CS-02	Comp	↓	—	↓	1050	↓	↓		-07

Acctnum:
Template:
Prelogin:
PM:
PB:
Shipped Via:

* 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)
[signature]	5/23/25	1427	[signature]
[signature]	5/23/25	1800	SWA
			Received for lab by: (Signature) [signature]

Trip Blank Received: Yes / (No)
HCL / MeOH
TBR

Temp: TH °C 2.0+0=2.0 Bottles Received: 3-4oz

Date: 5/24/25 Time: 1130

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)