ANALYTICAL REPORT

December 23, 2025

Revised Report

Pace Analytical Services, LLC
2025.12.23 10:05:51 -06'00'
Document is certified

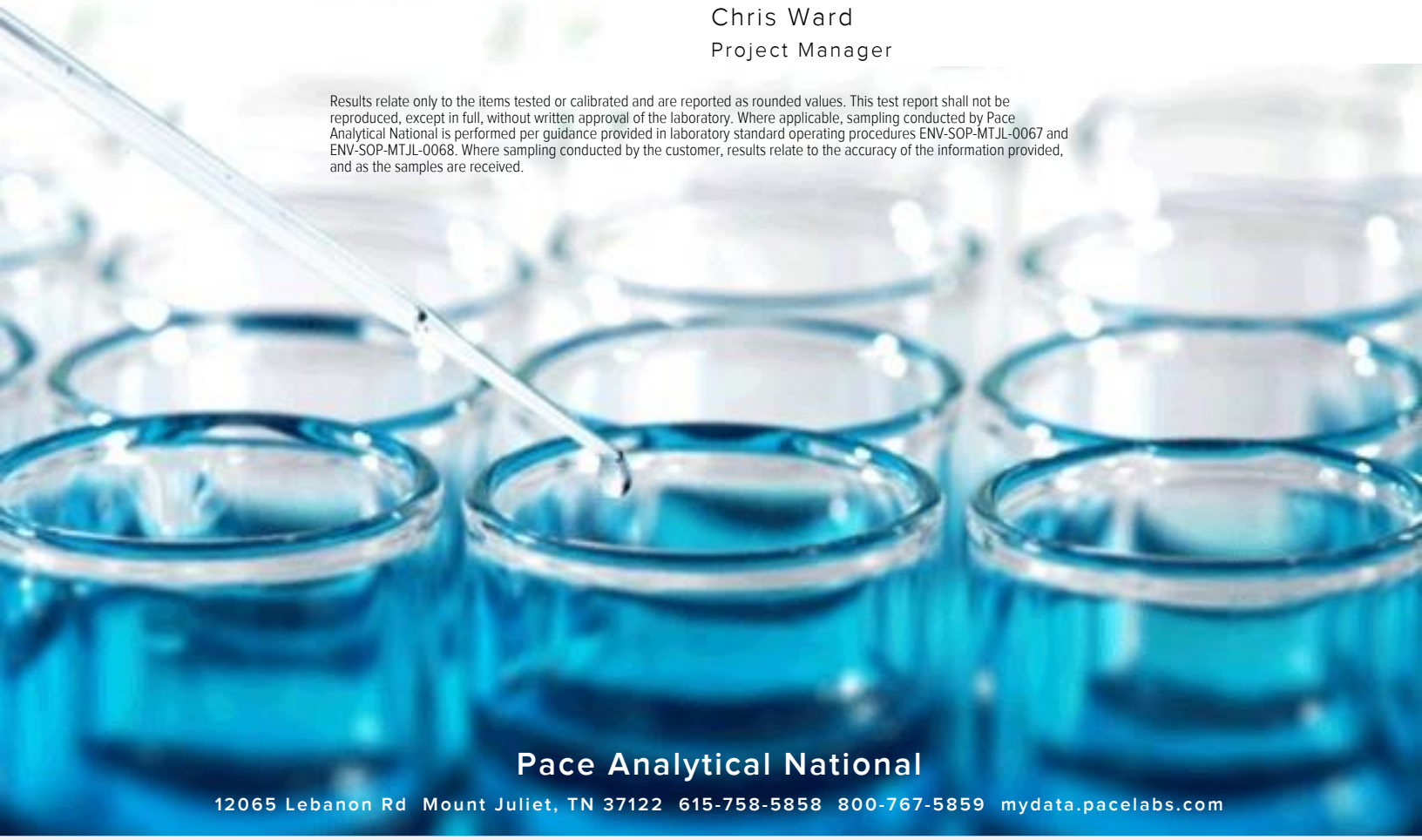
Scout Energy - Rangely, CO

Sample Delivery Group:	L1918428
Samples Received:	11/14/2025
Project Number:	
Description:	LN Hagood A9X Lateral Spill

Report To: Cody Christian
100 Chevron Road
Rangely, CO 81648

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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LNHA9X-SS1 L1918428-01

Collected by: C. Barrancas | Collected date/time: 11/12/25 12:48 | Received date/time: 11/14/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2640911	1	11/15/25 11:16	11/15/25 11:27	CMB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2642818	1	11/18/25 15:18	11/19/25 21:40	KRB	Mt. Juliet, TN

LNHA9X-SS2 L1918428-02

Collected by: C. Barrancas | Collected date/time: 11/12/25 12:55 | Received date/time: 11/14/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2642482	1	11/19/25 14:08	11/19/25 14:08	MAP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2640911	1	11/15/25 11:16	11/15/25 11:27	CMB	Mt. Juliet, TN

LNHA9X-SS3 L1918428-03

Collected by: C. Barrancas | Collected date/time: 11/12/25 13:08 | Received date/time: 11/14/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2642482	1	11/19/25 14:11	11/19/25 14:11	MAP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2640911	1	11/15/25 11:16	11/15/25 11:27	CMB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2642490	1	11/18/25 16:04	11/20/25 11:17	RLS	Mt. Juliet, TN

LNHA9X-SS4 L1918428-04

Collected by: C. Barrancas | Collected date/time: 11/12/25 11:40 | Received date/time: 11/14/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2642482	1	11/19/25 14:14	11/19/25 14:14	MAP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2640911	1	11/15/25 11:16	11/15/25 11:27	CMB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2642490	1	11/18/25 16:04	11/20/25 11:19	RLS	Mt. Juliet, TN

LNHA9X-SS5 L1918428-05

Collected by: C. Barrancas | Collected date/time: 11/12/25 10:21 | Received date/time: 11/14/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2642482	1	11/19/25 14:16	11/19/25 14:16	MAP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2640911	1	11/15/25 11:16	11/15/25 11:27	CMB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2643269	1	11/19/25 08:50	11/19/25 19:00	KRB	Mt. Juliet, TN

LNHA9X-SS6 L1918428-06

Collected by: C. Barrancas | Collected date/time: 11/12/25 10:11 | Received date/time: 11/14/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2642482	1	11/19/25 14:19	11/19/25 14:19	MAP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2640911	1	11/15/25 11:16	11/15/25 11:27	CMB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2642490	1	11/18/25 16:06	11/20/25 11:22	RLS	Mt. Juliet, TN

LNHA9X-SS7 L1918428-07

Collected by: C. Barrancas | Collected date/time: 11/12/25 10:32 | Received date/time: 11/14/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2642482	1	11/19/25 14:22	11/19/25 14:22	MAP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2640913	1	11/18/25 05:21	11/18/25 05:28	CMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2641135	1	11/16/25 16:45	11/20/25 15:54	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2643254	1	11/19/25 09:39	11/19/25 10:50	BJM	Mt. Juliet, TN

LNHA9X-SS7 L1918428-07

Collected by: C. Barrancas | Collected date/time: 11/12/25 10:32 | Received date/time: 11/14/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9050AMod (S-1.20)	WG2643269	1	11/19/25 08:50	11/19/25 19:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2642490	1	11/18/25 16:06	11/20/25 11:25	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2641262	1	11/16/25 23:06	12/02/25 17:23	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2641262	1	11/16/25 23:06	12/04/25 01:40	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2640798	25	11/14/25 16:24	11/15/25 17:50	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2642198	1	11/14/25 16:24	11/17/25 19:53	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2647565	1	11/25/25 15:39	11/26/25 13:30	DMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2641335	1	11/16/25 16:40	11/17/25 13:12	DMG	Mt. Juliet, TN

LNHA9X-SS8 L1918428-08

Collected by: C. Barrancas | Collected date/time: 11/12/25 10:43 | Received date/time: 11/14/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2642482	1	11/19/25 14:25	11/19/25 14:25	MAP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2640913	1	11/18/25 05:21	11/18/25 05:28	CMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2641135	1	11/16/25 16:45	11/20/25 16:06	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2643254	1	11/19/25 09:39	11/19/25 10:50	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2643269	1	11/19/25 08:50	11/19/25 19:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2642490	1	11/18/25 16:06	11/20/25 11:27	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2641262	1	11/16/25 23:06	12/02/25 17:26	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2641262	1	11/16/25 23:06	12/04/25 01:43	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2640798	25	11/14/25 16:24	11/15/25 18:12	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2642198	1	11/14/25 16:24	11/17/25 20:12	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2647565	1	11/25/25 15:39	11/26/25 12:36	DMD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2641335	1	11/16/25 16:40	11/17/25 13:30	DMG	Mt. Juliet, TN

LNHA9X-BG3 L1918428-09

Collected by: C. Barrancas | Collected date/time: 11/12/25 11:53 | Received date/time: 11/14/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2642482	1	11/19/25 14:28	11/19/25 14:28	MAP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2640913	1	11/18/25 05:21	11/18/25 05:28	CMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2641135	1	11/16/25 16:45	11/20/25 16:19	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2643269	1	11/19/25 08:50	11/19/25 19:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2642490	1	11/18/25 16:06	11/20/25 11:30	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2641262	1	11/16/25 23:06	12/02/25 17:29	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2641262	1	11/16/25 23:06	12/04/25 01:46	JPD	Mt. Juliet, TN

LNHA9X-BG4 L1918428-10

Collected by: C. Barrancas | Collected date/time: 11/12/25 12:26 | Received date/time: 11/14/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2642482	1	11/19/25 14:31	11/19/25 14:31	MAP	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2640913	1	11/18/25 05:21	11/18/25 05:28	CMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2641135	1	11/16/25 16:45	11/20/25 16:56	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2643269	1	11/19/25 08:50	11/19/25 19:00	KRB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2642490	1	11/18/25 16:06	11/20/25 11:38	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2641262	1	11/16/25 23:06	12/02/25 17:33	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2641262	1	11/16/25 23:06	12/04/25 01:50	JPD	Mt. Juliet, TN

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

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

Report Revision History

Level II Report - Version 1: 12/03/25 16:08

Project Narrative

Report regenerated for missing Barium data - CMW

Sample Delivery Group (SDG) Narrative

Samples for VOC analysis were received in bulk containers. Preservation for method 5035 was performed within 48 hours of collection.

Lab Sample ID	Project Sample ID	Method
L1918428-07	LNHA9X-SS7	8015D, 8260D
L1918428-08	LNHA9X-SS8	8015D, 8260D

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	11/15/2025 11:27	WG2640911

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis	Batch
						date / time	
Specific Conductance	15700	umhos/cm		10.0	1	11/19/2025 21:40	WG2642818

Sample Narrative:

L1918428-01 WG2642818: at 25C

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	41.1		1	11/19/2025 14:08	WG2642482

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.6		1	11/15/2025 11:27	WG2640911

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	51.2		1	11/19/2025 14:11	WG2642482

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.9		1	11/15/2025 11:27	WG2640911

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.553		0.100	1	11/20/2025 11:17	WG2642490

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	29.9		1	11/19/2025 14:14	WG2642482

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.5		1	11/15/2025 11:27	WG2640911

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.475		0.100	1	11/20/2025 11:19	WG2642490

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	32.6		1	11/19/2025 14:16	WG2642482

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.0		1	11/15/2025 11:27	WG2640911

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3000	umhos/cm		10.0	1	11/19/2025 19:00	WG2643269

Sample Narrative:

L1918428-05 WG2643269: at 25C

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	5.12		1	11/19/2025 14:19	WG2642482

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.0		1	11/15/2025 11:27	WG2640911

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.507		0.100	1	11/20/2025 11:22	WG2642490

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	10.1		1	11/19/2025 14:22	WG2642482

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.4		1	11/18/2025 05:28	WG2640913

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.237	1	11/20/2025 15:54	WG2641135

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.79		1	11/19/2025 10:50	WG2643254

Sample Narrative:
L1918428-07 WG2643254: 8.79 at 20C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1320	umhos/cm		10.0	1	11/19/2025 19:00	WG2643269

Sample Narrative:
L1918428-07 WG2643269: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.436		0.100	1	11/20/2025 11:25	WG2642490

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	8.20		0.118	1	12/02/2025 17:23	WG2641262
Barium	217		11.8	1	12/04/2025 01:40	WG2641262
Cadmium	0.275		0.118	1	12/02/2025 17:23	WG2641262
Copper	15.5		11.8	1	12/02/2025 17:23	WG2641262
Lead	19.1		11.8	1	12/02/2025 17:23	WG2641262
Nickel	20.6		11.8	1	12/02/2025 17:23	WG2641262
Selenium	1.86		0.118	1	12/02/2025 17:23	WG2641262
Silver	ND		0.592	1	12/02/2025 17:23	WG2641262
Zinc	87.5		59.2	1	12/02/2025 17:23	WG2641262

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.42	25	11/15/2025 17:50	WG2640798
(S) a,a,a-Trifluorotoluene(FID)	*102*		*77.0-120*		*11/15/2025 17:50*	WG2640798

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00137	1	11/17/2025 19:53	WG2642198
Ethylbenzene	ND		0.0137	1	11/17/2025 19:53	WG2642198
Toluene	ND		0.0137	1	11/17/2025 19:53	WG2642198
1,2,4-Trimethylbenzene	ND		0.00684	1	11/17/2025 19:53	WG2642198
1,3,5-Trimethylbenzene	ND		0.00684	1	11/17/2025 19:53	WG2642198
Xylenes, Total	ND		0.137	1	11/17/2025 19:53	WG2642198
(S) Toluene-d8	*86.3*		*75.0-131*		*11/17/2025 19:53*	WG2642198
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*11/17/2025 19:53*	WG2642198
(S) 1,2-Dichloroethane-d4	*117*		*70.0-130*		*11/17/2025 19:53*	WG2642198

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.74	1	11/26/2025 13:30	WG2647565
C28-C36 Motor Oil Range	16.2		4.74	1	11/26/2025 13:30	WG2647565
(S) o-Terphenyl	*52.7*		*18.0-148*		*11/26/2025 13:30*	WG2647565

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0391	1	11/17/2025 13:12	WG2641335
Acenaphthene	ND		0.0391	1	11/17/2025 13:12	WG2641335
Acenaphthylene	ND		0.0391	1	11/17/2025 13:12	WG2641335
Benzo(a)anthracene	ND		0.00711	1	11/17/2025 13:12	WG2641335
Benzo(a)pyrene	ND		0.0391	1	11/17/2025 13:12	WG2641335
Benzo(b)fluoranthene	ND		0.0391	1	11/17/2025 13:12	WG2641335
Benzo(g,h,i)perylene	ND		0.0391	1	11/17/2025 13:12	WG2641335
Benzo(k)fluoranthene	ND		0.0391	1	11/17/2025 13:12	WG2641335
Chrysene	ND		0.0391	1	11/17/2025 13:12	WG2641335
Dibenz(a,h)anthracene	ND		0.0391	1	11/17/2025 13:12	WG2641335
Fluoranthene	ND		0.0391	1	11/17/2025 13:12	WG2641335
Fluorene	ND		0.0391	1	11/17/2025 13:12	WG2641335
Indeno(1,2,3-cd)pyrene	ND		0.0391	1	11/17/2025 13:12	WG2641335
Naphthalene	ND		0.00355	1	11/17/2025 13:12	WG2641335
Phenanthrene	ND		0.0391	1	11/17/2025 13:12	WG2641335
Pyrene	ND		0.0391	1	11/17/2025 13:12	WG2641335
1-Methylnaphthalene	ND		0.00355	1	11/17/2025 13:12	WG2641335
2-Methylnaphthalene	ND		0.0142	1	11/17/2025 13:12	WG2641335
(S) p-Terphenyl-d14	*55.8*		*23.0-120*		*11/17/2025 13:12*	WG2641335
(S) 2-Fluorobiphenyl	*57.9*		*34.0-125*		*11/17/2025 13:12*	WG2641335
(S) 2-Methylnaphthalene-d10	*59.5*		*50.0-150*		*11/17/2025 13:12*	WG2641335

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	3.90		1	11/19/2025 14:25	WG2642482

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.2		1	11/18/2025 05:28	WG2640913

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.212	1	11/20/2025 16:06	WG2641135

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.84		1	11/19/2025 10:50	WG2643254

Sample Narrative:

L1918428-08 WG2643254: 8.84 at 19.7C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	479	umhos/cm		10.0	1	11/19/2025 19:00	WG2643269

Sample Narrative:

L1918428-08 WG2643269: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.161		0.100	1	11/20/2025 11:27	WG2642490

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	8.01		0.106	1	12/02/2025 17:26	WG2641262
Barium	146		10.6	1	12/04/2025 01:43	WG2641262
Cadmium	0.394		0.106	1	12/02/2025 17:26	WG2641262
Copper	15.2		10.6	1	12/02/2025 17:26	WG2641262
Lead	17.8		10.6	1	12/02/2025 17:26	WG2641262
Nickel	19.3		10.6	1	12/02/2025 17:26	WG2641262
Selenium	1.73		0.106	1	12/02/2025 17:26	WG2641262
Silver	ND		0.531	1	12/02/2025 17:26	WG2641262
Zinc	80.8		53.1	1	12/02/2025 17:26	WG2641262

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		2.81	25	11/15/2025 18:12	WG2640798
(S) a,a,a-Trifluorotoluene(FID)	*102*		*77.0-120*		*11/15/2025 18:12*	WG2640798

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.00112	1	11/17/2025 20:12	WG2642198
Ethylbenzene	ND		0.0112	1	11/17/2025 20:12	WG2642198
Toluene	ND		0.0112	1	11/17/2025 20:12	WG2642198
1,2,4-Trimethylbenzene	ND		0.00562	1	11/17/2025 20:12	WG2642198
1,3,5-Trimethylbenzene	ND		0.00562	1	11/17/2025 20:12	WG2642198
Xylenes, Total	ND		0.112	1	11/17/2025 20:12	WG2642198
(S) Toluene-d8	*88.4*		*75.0-131*		*11/17/2025 20:12*	WG2642198
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*11/17/2025 20:12*	WG2642198
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*11/17/2025 20:12*	WG2642198

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.25	1	11/26/2025 12:36	WG2647565
C28-C36 Motor Oil Range	16.5		4.25	1	11/26/2025 12:36	WG2647565
(S) o-Terphenyl	*65.0*		*18.0-148*		*11/26/2025 12:36*	WG2647565

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0350	1	11/17/2025 13:30	WG2641335
Acenaphthene	ND		0.0350	1	11/17/2025 13:30	WG2641335
Acenaphthylene	ND		0.0350	1	11/17/2025 13:30	WG2641335
Benzo(a)anthracene	ND		0.00637	1	11/17/2025 13:30	WG2641335
Benzo(a)pyrene	ND		0.0350	1	11/17/2025 13:30	WG2641335
Benzo(b)fluoranthene	ND		0.0350	1	11/17/2025 13:30	WG2641335
Benzo(g,h,i)perylene	ND		0.0350	1	11/17/2025 13:30	WG2641335
Benzo(k)fluoranthene	ND		0.0350	1	11/17/2025 13:30	WG2641335
Chrysene	ND		0.0350	1	11/17/2025 13:30	WG2641335
Dibenz(a,h)anthracene	ND		0.0350	1	11/17/2025 13:30	WG2641335
Fluoranthene	ND		0.0350	1	11/17/2025 13:30	WG2641335
Fluorene	ND		0.0350	1	11/17/2025 13:30	WG2641335
Indeno(1,2,3-cd)pyrene	ND		0.0350	1	11/17/2025 13:30	WG2641335
Naphthalene	ND		0.00319	1	11/17/2025 13:30	WG2641335
Phenanthrene	ND		0.0350	1	11/17/2025 13:30	WG2641335
Pyrene	ND		0.0350	1	11/17/2025 13:30	WG2641335
1-Methylnaphthalene	ND		0.00319	1	11/17/2025 13:30	WG2641335
2-Methylnaphthalene	ND		0.0127	1	11/17/2025 13:30	WG2641335
(S) p-Terphenyl-d14	*75.9*		*23.0-120*		*11/17/2025 13:30*	WG2641335
(S) 2-Fluorobiphenyl	*80.7*		*34.0-125*		*11/17/2025 13:30*	WG2641335
(S) 2-Methylnaphthalene-d10	*82.0*		*50.0-150*		*11/17/2025 13:30*	WG2641335

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.233		1	11/19/2025 14:28	WG2642482

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.5		1	11/18/2025 05:28	WG2640913

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.228	1	11/20/2025 16:19	WG2641135

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	252	umhos/cm		10.0	1	11/19/2025 19:00	WG2643269

Sample Narrative:

L1918428-09 WG2643269: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	11/20/2025 11:30	WG2642490

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	8.77		0.114	1	12/02/2025 17:29	WG2641262
Barium	160		11.4	1	12/04/2025 01:46	WG2641262
Cadmium	0.449		0.114	1	12/02/2025 17:29	WG2641262
Copper	15.2		11.4	1	12/02/2025 17:29	WG2641262
Lead	18.0		11.4	1	12/02/2025 17:29	WG2641262
Nickel	21.3		11.4	1	12/02/2025 17:29	WG2641262
Selenium	1.99		0.114	1	12/02/2025 17:29	WG2641262
Silver	ND		0.571	1	12/02/2025 17:29	WG2641262
Zinc	83.3		57.1	1	12/02/2025 17:29	WG2641262

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.368		1	11/19/2025 14:31	WG2642482

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.2		1	11/18/2025 05:28	WG2640913

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.229	1	11/20/2025 16:56	WG2641135

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	533	umhos/cm		10.0	1	11/19/2025 19:00	WG2643269

Sample Narrative:

L1918428-10 WG2643269: at 25C

Metals (ICP) by Method 6010D (S-7.10)

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	ND		0.100	1	11/20/2025 11:38	WG2642490

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	8.61		0.115	1	12/02/2025 17:33	WG2641262
Barium	217		11.5	1	12/04/2025 01:50	WG2641262
Cadmium	0.326		0.115	1	12/02/2025 17:33	WG2641262
Copper	17.1		11.5	1	12/02/2025 17:33	WG2641262
Lead	20.1		11.5	1	12/02/2025 17:33	WG2641262
Nickel	22.3		11.5	1	12/02/2025 17:33	WG2641262
Selenium	2.14		0.115	1	12/02/2025 17:33	WG2641262
Silver	ND		0.574	1	12/02/2025 17:33	WG2641262
Zinc	92.1		57.4	1	12/02/2025 17:33	WG2641262

Method Blank (MB)

(MB) R4302098-1 11/15/25 11:27

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1918428-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1918428-03 11/15/25 11:27 • (DUP) R4302098-3 11/15/25 11:27

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	84.9	84.8	1	0.122		10

Laboratory Control Sample (LCS)

(LCS) R4302098-2 11/15/25 11:27

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4302622-1 11/18/25 05:28

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1918447-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1918447-03 11/18/25 05:28 • (DUP) R4302622-3 11/18/25 05:28

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.6	91.5	1	0.104		10

Laboratory Control Sample (LCS)

(LCS) R4302622-2 11/18/25 05:28

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.1	100	90.0-110	

Method Blank (MB)

(MB) R4304327-1 11/20/25 11:56

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

L1918447-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1918447-02 11/20/25 17:21 • (DUP) R4304327-7 11/20/25 17:34

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

L1918447-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1918447-03 11/20/25 17:46 • (DUP) R4304327-8 11/20/25 17:59

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

Laboratory Control Sample (LCS)

(LCS) R4304327-2 11/20/25 12:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	9.24	92.4	80.0-120	

L1917864-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1917864-11 11/20/25 12:33 • (MS) R4304327-3 11/20/25 12:46 • (MSD) R4304327-4 11/20/25 12:58

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	20.9	ND	6.72	10.8	32.2	51.9	1	75.0-125	J6	J3 J6	47.0	20

L1917864-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1917864-11 11/20/25 12:33 • (MS) R4304327-5 11/20/25 13:11

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	659	ND	564	85.7	50	75.0-125	

L1918428-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1918428-07 11/19/25 10:50 • (DUP) R4303181-2 11/19/25 10:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.79	8.81	1	0.227		1

Sample Narrative:

OS: 8.79 at 20C

DUP: 8.81 at 20.2C

L1918537-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1918537-15 11/19/25 10:50 • (DUP) R4303181-3 11/19/25 10:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.19	8.19	1	0.000		1

Sample Narrative:

OS: 8.19 at 19.3C

DUP: 8.19 at 19.5C

Laboratory Control Sample (LCS)

(LCS) R4303181-1 11/19/25 10:50

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.99	99.9	99.0-101	

Sample Narrative:

LCS: 9.99 at 19.7C

Method Blank (MB)

(MB) R4303537-1 11/19/25 21:40

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

Sample Narrative:
BLANK: at 25C

L1918428-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1918428-01 11/19/25 21:40 • (DUP) R4303537-3 11/19/25 21:40

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	15700	15700	1	0.0636		20

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

Laboratory Control Sample (LCS)

(LCS) R4303537-2 11/19/25 21:40

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	550	94.7	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4303544-1 11/19/25 19:00

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

Sample Narrative:
BLANK: at 25C

L1918428-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1918428-07 11/19/25 19:00 • (DUP) R4303544-3 11/19/25 19:00

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	1320	1320	1	0.304		20

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

L1918537-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1918537-14 11/19/25 19:00 • (DUP) R4303544-4 11/19/25 19:00

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	281	280	1	0.0357		20

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

Laboratory Control Sample (LCS)

(LCS) R4303544-2 11/19/25 19:00

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	569	97.9	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4303850-1 11/20/25 11:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	U		0.0199	0.100

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

(LCS) R4303850-2 11/20/25 11:09 • (LCSD) R4303850-3 11/20/25 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	1.03	1.00	103	100	80.0-120			2.48	20

Method Blank (MB)

(MB) R4308896-1 12/02/25 15:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	0.100
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

Method Blank (MB)

(MB) R4309722-1 12/04/25 00:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Barium	U		10.0	10.0

Laboratory Control Sample (LCS)

(LCS) R4308896-2 12/02/25 15:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	99.8	99.8	80.0-120	
Cadmium	100	104	104	80.0-120	
Copper	100	109	109	80.0-120	
Lead	100	104	104	80.0-120	
Nickel	100	107	107	80.0-120	
Selenium	100	96.0	96.0	80.0-120	
Silver	20.0	20.0	100	80.0-120	
Zinc	100	101	101	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4309722-2 12/04/25 00:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium	100	101	101	80.0-120	

L1917912-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1917912-12 12/02/25 15:22 • (MS) R4308896-5 12/02/25 15:32 • (MSD) R4308896-6 12/02/25 15:35

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg				%	%		%			%	%
Arsenic	112	4.38	106	108	90.4	92.6	1	75.0-125			2.27	20
Cadmium	112	0.223	109	109	97.2	97.6	1	75.0-125			0.433	20
Copper	112	ND	119	119	106	106	1	75.0-125			0.264	20
Lead	112	ND	117	116	104	104	1	75.0-125			0.601	20
Nickel	112	ND	119	119	106	106	1	75.0-125			0.00641	20
Selenium	112	1.10	103	104	90.9	92.1	1	75.0-125			1.33	20
Silver	22.4	ND	20.5	20.9	91.7	93.3	1	75.0-125			1.73	20
Zinc	112	ND	142	146	126	131	1	75.0-125	J5	J5	3.23	20

L1917912-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1917912-12 12/04/25 00:08 • (MS) R4309722-5 12/04/25 00:17 • (MSD) R4309722-6 12/04/25 00:21

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Barium	112	80.3	240	210	143	116	1	75.0-125	J5		13.6	20

Method Blank (MB)

(MB) R4301571-3 11/15/25 10:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		2.00	2.50
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*

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

(LCS) R4301571-1 11/15/25 09:20 • (LCSD) R4301571-2 11/15/25 09:42

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	5.07	4.81	101	96.2	72.0-127			5.26	20
(S) a,a,a-Trifluorotoluene(FID)				*106*	*106*	*77.0-120*				

L1918414-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1918414-11 11/15/25 15:10 • (MS) R4301571-4 11/15/25 19:21 • (MSD) R4301571-5 11/15/25 19:43

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	155	ND	175	173	113	112	25	10.0-151			0.712	28
(S) a,a,a-Trifluorotoluene(FID)					*107*	*106*		*77.0-120*				

Method Blank (MB)

(MB) R4304112-2 11/17/25 19:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000711	0.00100
Ethylbenzene	U		0.000987	0.0100
Toluene	U		0.00289	0.0100
1,2,4-Trimethylbenzene	U		0.00238	0.00500
1,3,5-Trimethylbenzene	U		0.00228	0.00500
Xylenes, Total	U		0.00280	0.100
(S) Toluene-d8	*87.6*			*75.0-131*
(S) 4-Bromofluorobenzene	*102*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4304112-1 11/17/25 18:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.250	0.287	115	70.0-123	
Ethylbenzene	0.250	0.221	88.4	74.0-126	
Toluene	0.250	0.227	90.8	75.0-121	
1,2,4-Trimethylbenzene	0.250	0.239	95.6	70.0-126	
1,3,5-Trimethylbenzene	0.250	0.232	92.8	73.0-127	
Xylenes, Total	0.750	0.636	84.8	72.0-127	
(S) Toluene-d8			*86.9*	*75.0-131*	
(S) 4-Bromofluorobenzene			*98.4*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*121*	*70.0-130*	

L1918447-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1918447-04 11/17/25 21:27 • (MS) R4304112-3 11/18/25 02:08 • (MSD) R4304112-4 11/18/25 02:27

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.296	ND	0.218	0.240	73.6	81.2	1	10.0-149			9.82	37
Ethylbenzene	0.296	ND	0.168	0.187	56.8	63.2	1	10.0-160			10.7	38
Toluene	0.296	ND	0.171	0.186	57.6	62.8	1	10.0-156			8.64	38
1,2,4-Trimethylbenzene	0.296	ND	0.191	0.220	64.4	74.4	1	10.0-160			14.4	36
1,3,5-Trimethylbenzene	0.296	ND	0.188	0.214	63.6	72.4	1	10.0-160			12.9	38
Xylenes, Total	0.888	ND	0.486	0.557	54.7	62.7	1	10.0-160			13.6	38
(S) Toluene-d8					*84.9*	*86.1*		*75.0-131*				
(S) 4-Bromofluorobenzene					*99.2*	*99.9*		*67.0-138*				

L1918447-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1918447-04 11/17/25 21:27 • (MS) R4304112-3 11/18/25 02:08 • (MSD) R4304112-4 11/18/25 02:27

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) 1,2-Dichloroethane-d4					*111*	*115*		*70.0-130*				

Method Blank (MB)

(MB) R4306415-1 11/25/25 20:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	0.828	J	0.274	4.00
(S) o-Terphenyl	*78.2*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4306415-2 11/25/25 20:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	34.5	69.0	50.0-150	
(S) o-Terphenyl			*94.1*	*18.0-148*	

L1921973-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1921973-01 11/25/25 20:29 • (MS) R4306415-3 11/25/25 20:43 • (MSD) R4306415-4 11/25/25 20:56

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	55.1	ND	37.4	38.9	67.9	70.8	1	50.0-150			3.82	20
(S) o-Terphenyl					*84.8*	*85.6*		*18.0-148*				

Method Blank (MB)

(MB) R4302004-2 11/17/25 08:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00163	0.0330
Acenaphthene	U		0.00162	0.0330
Acenaphthylene	U		0.00159	0.0330
Benzo(a)anthracene	U		0.00200	0.00600
Benzo(a)pyrene	U		0.00163	0.0330
Benzo(b)fluoranthene	U		0.00275	0.0330
Benzo(g,h,i)perylene	U		0.00193	0.0330
Benzo(k)fluoranthene	U		0.00213	0.0330
Chrysene	U		0.00206	0.0330
Dibenz(a,h)anthracene	U		0.00201	0.0330
Fluoranthene	U		0.00239	0.0330
Fluorene	U		0.00180	0.0330
Indeno(1,2,3-cd)pyrene	U		0.00234	0.0330
Naphthalene	U		0.00300	0.00300
Phenanthrene	U		0.00305	0.0330
Pyrene	U		0.00205	0.0330
1-Methylnaphthalene	U		0.00219	0.00300
2-Methylnaphthalene	U		0.00571	0.0120
(S) p-Terphenyl-d14	*89.2*			*23.0-120*
(S) 2-Fluorobiphenyl	*91.8*			*34.0-125*
(S) 2-Methylnaphthalene-d10	*92.2*			*50.0-150*

Laboratory Control Sample (LCS)

(LCS) R4302004-1 11/17/25 08:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0705	88.1	50.0-126	
Acenaphthene	0.0800	0.0687	85.9	50.0-120	
Acenaphthylene	0.0800	0.0718	89.8	50.0-120	
Benzo(a)anthracene	0.0800	0.0698	87.3	45.0-120	
Benzo(a)pyrene	0.0800	0.0529	66.1	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0670	83.8	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0612	76.5	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0638	79.8	49.0-125	
Chrysene	0.0800	0.0684	85.5	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0634	79.3	47.0-125	
Fluoranthene	0.0800	0.0744	93.0	49.0-129	
Fluorene	0.0800	0.0778	97.3	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4302004-1 11/17/25 08:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Indeno(1,2,3-cd)pyrene	0.0800	0.0529	66.1	46.0-125	
Naphthalene	0.0800	0.0689	86.1	50.0-120	
Phenanthrene	0.0800	0.0708	88.5	47.0-120	
Pyrene	0.0800	0.0679	84.9	43.0-123	
1-Methylnaphthalene	0.0800	0.0746	93.3	51.0-121	
2-Methylnaphthalene	0.0800	0.0713	89.1	50.0-120	
(S) p-Terphenyl-d14			*85.6*	*23.0-120*	
(S) 2-Fluorobiphenyl			*88.8*	*34.0-125*	
(S) 2-Methylnaphthalene-d10			*92.1*	*50.0-150*	

L1918414-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1918414-11 11/17/25 12:01 • (MS) R4302004-3 11/17/25 12:19 • (MSD) R4302004-4 11/17/25 12:36

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0869	ND	0.0687	0.0713	79.1	82.1	1	10.0-145			3.68	30
Acenaphthene	0.0869	ND	0.0670	0.0668	77.2	76.9	1	14.0-127			0.334	27
Acenaphthylene	0.0869	ND	0.0714	0.0713	82.2	82.1	1	21.0-124			0.157	25
Benzo(a)anthracene	0.0869	ND	0.0668	0.0675	76.9	77.7	1	10.0-139			1.00	30
Benzo(a)pyrene	0.0869	ND	0.0615	0.0619	70.7	71.3	1	10.0-141			0.726	31
Benzo(b)fluoranthene	0.0869	ND	0.0603	0.0617	69.5	71.0	1	10.0-140			2.20	36
Benzo(g,h,i)perylene	0.0869	ND	0.0595	0.0594	68.6	68.4	1	10.0-140			0.188	33
Benzo(k)fluoranthene	0.0869	ND	0.0598	0.0592	68.8	68.2	1	10.0-137			0.941	31
Chrysene	0.0869	ND	0.0675	0.0669	77.7	77.1	1	10.0-145			0.833	30
Dibenz(a,h)anthracene	0.0869	ND	0.0644	0.0623	74.1	71.8	1	10.0-132			3.18	31
Fluoranthene	0.0869	ND	0.0714	0.0745	82.2	85.8	1	10.0-153			4.29	33
Fluorene	0.0869	ND	0.0734	0.0733	84.5	84.4	1	11.0-130			0.153	29
Indeno(1,2,3-cd)pyrene	0.0869	ND	0.0503	0.0509	57.9	58.6	1	10.0-137			1.33	32
Naphthalene	0.0869	ND	0.0670	0.0660	77.2	76.0	1	10.0-135			1.51	27
Phenanthrene	0.0869	ND	0.0677	0.0688	78.0	79.3	1	10.0-144			1.64	31
Pyrene	0.0869	ND	0.0625	0.0627	71.9	72.2	1	10.0-148			0.358	35
1-Methylnaphthalene	0.0869	ND	0.0721	0.0716	83.0	82.5	1	10.0-142			0.623	28
2-Methylnaphthalene	0.0869	ND	0.0695	0.0684	80.0	78.7	1	10.0-137			1.62	28
(S) p-Terphenyl-d14					*75.5*	*74.5*		*23.0-120*				
(S) 2-Fluorobiphenyl					*81.5*	*81.0*		*34.0-125*				
(S) 2-Methylnaphthalene-d10					*85.0*	*83.3*		*50.0-150*				

L1918795-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1918795-01 11/17/25 13:47 • (MS) R4302004-5 11/17/25 14:05 • (MSD) R4302004-6 11/17/25 14:23

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0969	ND	0.0789	0.0662	81.4	68.3	1	10.0-145			17.5	30
Acenaphthene	0.0969	ND	0.0771	0.0606	79.5	62.6	1	14.0-127			23.8	27
Acenaphthylene	0.0969	ND	0.0830	0.0659	85.6	67.9	1	21.0-124			23.0	25
Benzo(a)anthracene	0.0969	ND	0.0747	0.0649	77.1	66.9	1	10.0-139			14.1	30
Benzo(a)pyrene	0.0969	ND	0.0698	0.0618	72.1	63.7	1	10.0-141			12.3	31
Benzo(b)fluoranthene	0.0969	ND	0.0684	0.0588	70.5	60.6	1	10.0-140			15.1	36
Benzo(g,h,i)perylene	0.0969	ND	0.0674	0.0600	69.5	61.9	1	10.0-140			11.5	33
Benzo(k)fluoranthene	0.0969	ND	0.0675	0.0602	69.6	62.1	1	10.0-137			11.5	31
Chrysene	0.0969	ND	0.0753	0.0670	77.7	69.1	1	10.0-145			11.7	30
Dibenz(a,h)anthracene	0.0969	ND	0.0716	0.0638	73.8	65.8	1	10.0-132			11.6	31
Fluoranthene	0.0969	ND	0.0792	0.0635	81.7	65.5	1	10.0-153			22.0	33
Fluorene	0.0969	ND	0.0859	0.0664	88.6	68.5	1	11.0-130			25.6	29
Indeno(1,2,3-cd)pyrene	0.0969	ND	0.0543	0.0497	56.0	51.3	1	10.0-137			8.84	32
Naphthalene	0.0969	ND	0.0799	0.0682	82.4	70.4	1	10.0-135			15.8	27
Phenanthrene	0.0969	ND	0.0768	0.0605	79.2	62.4	1	10.0-144			23.7	31
Pyrene	0.0969	ND	0.0710	0.0573	73.2	59.1	1	10.0-148			21.3	35
1-Methylnaphthalene	0.0969	ND	0.0854	0.0691	88.1	71.3	1	10.0-142			21.1	28
2-Methylnaphthalene	0.0969	ND	0.0819	0.0666	84.5	68.7	1	10.0-137			20.6	28
(S) p-Terphenyl-d14					*76.9*	*74.2*		*23.0-120*				
(S) 2-Fluorobiphenyl					*88.1*	*76.9*		*34.0-125*				
(S) 2-Methylnaphthalene-d10					*89.8*	*76.9*		*50.0-150*				

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

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	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.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

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.

Scout Energy Partners
100 Chevron Road
Rangely, CO 81648

Billing Information: **Same as left**

Report to: **Cody Christian**

Email To: **cody.christian@scoutep.com**

Project Description: **LN Hagood A9X Lateral Spill**

City/State Collected: **CO**

Phone: **1-970-902-0518**
Fax:

Client Project #

Lab Project #

Collected by (print): C. Barrancas

Site/Facility ID #

P.O. #

Collected by (signature): L Barrancas

Immediately Packed on Ice N ____ Y X

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

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	EC	SAR	HSB	TABLE 915 GRO/DRO/ORO	TABLE 915 Metals	TABLE 915 VOCs	TABLE 915 pH, SPCON, SAR	TABLE 915 PAHs			Remarks	Sample # (lab only)
LNHA9X-SS1	Grab	SS	0-6" 1'	11-12-2025	1248	4	X											-01
LNHA9X-SS2	Grab	SS	0-6" 1'	11-12-2025	1255	4		X										-02
LNHA9X-SS3	Grab	SS	0-6" 1'	11-12-2025	1308	4		X	X									-03
LNHA9X-SS4	Grab	SS	0-6" 1'	11-12-2025	1140	4		X	X									-04
LNHA9X-SS5	Grab	SS	0-6" 1'	11-12-2025	1021	4	X	X										-05
LNHA9X-SS6	Grab	SS	0-6" 1'	11-12-2025	1011	4		X	X									-06
LNHA9X-SS7	Grab	SS	0-6" 1'	11-12-2025	1032	4				X	X	X	X	X				-07
LNHA9X-SS8	Grab	SS	0-6" 1'	11-12-2025	1043	4				X	X	X	X	X				-08
LNHA9X-BG3	Grab	SS	0-6" 1'	11-12-2025	1153	2	X	X	X		X							-09
LNHA9X-BG4	Grab	SS	0-6" 1'	11-12-2025	1226	2	X	X	X		X							-10

Chain of Custody Page 1 of 1

Pace Analytical®
National Center for Testing & Innovation

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

L # L918428

Tab **K021**

Acctnum: **SCOENERCO**

Template:

Prelogin:

TSR:

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 # Multi

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
L Barrancas	11-13-2025	1200		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
	11 13 25	1231		Multi 36
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			Easton Oyen	11/14/25 0800

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Multiple Parcel Form L#_____

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
9622 5481 7388	TCA9	0.4	+0.0	0.4	Yes / No / Not Present
9622 5481 7366	1	0.1	1	0.1	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Easton Organ
Name

11/14/25
Date