ANALYTICAL REPORT

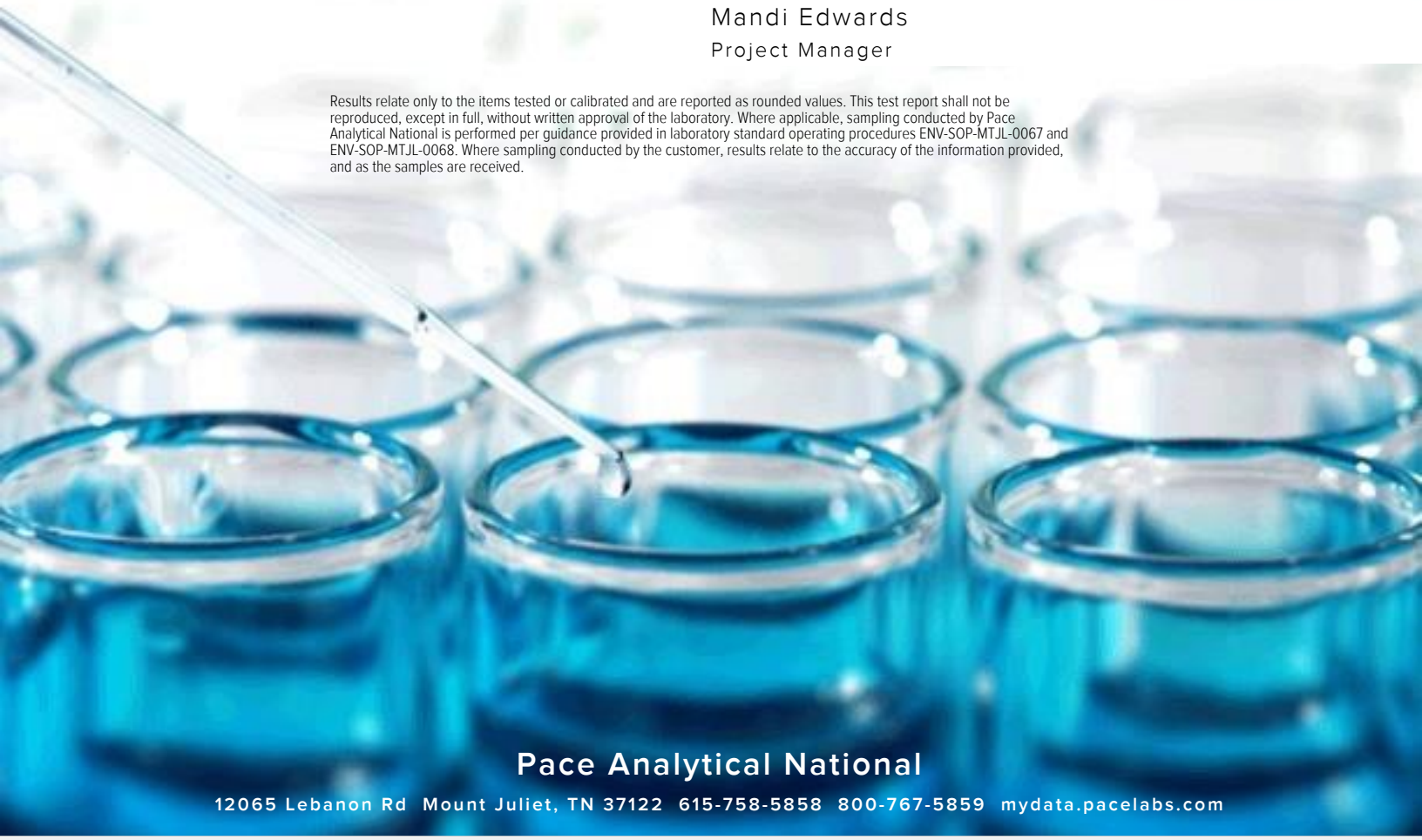
October 16, 2025

Civitas - CO

Sample Delivery Group:	L1903194
Samples Received:	09/30/2025
Project Number:	23735,240023
Description:	Alcorn-61N69W 10NWNE
Report To:	Civitas-Tasman
	4725 Independence
	Suite 100
	Wheat Ridge, CO 80033

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

TABLE OF CONTENTS

PWV-B02@6' L1903194-01

Collected by: Isabel Eikermann | Collected date/time: 09/26/25 13:00 | Received date/time: 09/30/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2611983	1	10/02/25 12:26	10/02/25 12:26	NMM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2611533	1	10/01/25 05:33	10/01/25 05:39	CMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2612916	1	10/02/25 16:05	10/04/25 22:34	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2612515	1	10/02/25 11:38	10/02/25 15:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2612530	1	10/02/25 11:33	10/02/25 23:01	AVB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2611999	1	10/01/25 14:25	10/01/25 16:41	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2611500	1	10/01/25 08:56	10/15/25 18:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2613405	25	10/01/25 08:51	10/03/25 14:57	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2615439	1	10/01/25 08:51	10/07/25 18:32	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2611564	1	10/02/25 09:54	10/02/25 18:51	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2611573	1	10/02/25 15:57	10/03/25 22:51	CMF	Mt. Juliet, TN

PWV-B03@6' L1903194-02

Collected by: Isabel Eikermann | Collected date/time: 09/26/25 13:02 | Received date/time: 09/30/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2611983	1	10/02/25 12:33	10/02/25 12:33	NMM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2611533	1	10/01/25 05:33	10/01/25 05:39	CMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2612916	1	10/02/25 16:05	10/04/25 22:43	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2612515	1	10/02/25 11:38	10/02/25 15:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2612530	1	10/02/25 11:33	10/02/25 23:01	AVB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2611999	1	10/01/25 14:25	10/01/25 16:44	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2611500	1	10/01/25 08:56	10/15/25 18:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2613405	25	10/01/25 08:51	10/03/25 15:20	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2612008	1	10/01/25 08:51	10/01/25 14:46	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2611564	1	10/02/25 09:54	10/02/25 16:32	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2611573	1	10/02/25 15:57	10/03/25 23:08	CMF	Mt. Juliet, TN

PWV-N02@5' L1903194-03

Collected by: Isabel Eikermann | Collected date/time: 09/26/25 13:04 | Received date/time: 09/30/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2611983	1	10/02/25 12:36	10/02/25 12:36	NMM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2611534	1	10/01/25 06:08	10/01/25 06:10	CMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2612916	1	10/02/25 16:05	10/04/25 22:51	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2612515	1	10/02/25 11:38	10/02/25 15:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2612530	1	10/02/25 11:33	10/02/25 23:01	AVB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2611999	1	10/01/25 14:25	10/01/25 16:47	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2611500	1	10/01/25 08:56	10/15/25 18:56	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2613405	25	10/01/25 08:51	10/03/25 15:43	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2612008	1	10/01/25 08:51	10/01/25 15:06	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2611564	1	10/02/25 09:54	10/02/25 16:58	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2611573	1	10/02/25 15:57	10/03/25 23:26	CMF	Mt. Juliet, TN

PWV-N03@5' L1903194-04

Collected by: Isabel Eikermann | Collected date/time: 09/26/25 13:06 | Received date/time: 09/30/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2611983	1	10/02/25 12:38	10/02/25 12:38	NMM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2611534	1	10/01/25 06:08	10/01/25 06:10	CMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2612916	1	10/02/25 16:05	10/04/25 23:00	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2612515	1	10/02/25 11:38	10/02/25 15:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2612530	1	10/02/25 11:33	10/02/25 23:01	AVB	Mt. Juliet, TN

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

PWV-N03@5' L1903194-04

Collected by: Isabel Eikermann | Collected date/time: 09/26/25 13:06 | Received date/time: 09/30/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D (S-7.10)	WG2611999	1	10/01/25 14:25	10/01/25 16:50	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2611500	1.02	10/01/25 08:56	10/15/25 19:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2613405	25	10/01/25 08:51	10/03/25 16:06	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2612008	1	10/01/25 08:51	10/01/25 15:26	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2611564	1	10/02/25 09:54	10/02/25 17:10	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2611573	1	10/02/25 15:57	10/03/25 23:43	CMF	Mt. Juliet, TN

PWV-S02@5' L1903194-05

Collected by: Isabel Eikermann | Collected date/time: 09/26/25 13:08 | Received date/time: 09/30/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2611983	1	10/02/25 12:41	10/02/25 12:41	NMM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2611534	1	10/01/25 06:08	10/01/25 06:10	CMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2612916	1	10/02/25 16:05	10/04/25 23:09	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2612515	1	10/02/25 11:38	10/02/25 15:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2612530	1	10/02/25 11:33	10/02/25 23:01	AVB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2611999	1	10/01/25 14:25	10/01/25 16:53	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2611500	1	10/01/25 08:56	10/15/25 19:30	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2613405	25	10/01/25 08:51	10/03/25 16:28	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2612008	1	10/01/25 08:51	10/01/25 15:45	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2611564	1	10/02/25 09:54	10/02/25 17:23	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2611573	1	10/02/25 15:57	10/04/25 00:01	CMF	Mt. Juliet, TN

PWV-S03@5' L1903194-06

Collected by: Isabel Eikermann | Collected date/time: 09/26/25 13:10 | Received date/time: 09/30/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2611983	1	10/02/25 12:44	10/02/25 12:44	NMM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2611534	1	10/01/25 06:08	10/01/25 06:10	CMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2612916	1	10/02/25 16:05	10/04/25 23:18	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2612524	1	10/02/25 11:40	10/02/25 17:32	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2612538	1	10/02/25 11:36	10/03/25 02:34	AVB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2611999	1	10/01/25 14:25	10/01/25 16:56	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2611500	1	10/01/25 08:56	10/15/25 19:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2613405	25	10/01/25 08:51	10/03/25 16:51	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2612008	1	10/01/25 08:51	10/01/25 16:05	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2611564	1	10/02/25 09:54	10/02/25 17:48	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2611573	1	10/02/25 15:57	10/04/25 00:18	CMF	Mt. Juliet, TN

PWV-E02@5' L1903194-07

Collected by: Isabel Eikermann | Collected date/time: 09/26/25 13:12 | Received date/time: 09/30/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2611983	1	10/02/25 12:46	10/02/25 12:46	NMM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2611534	1	10/01/25 06:08	10/01/25 06:10	CMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2612916	1	10/02/25 16:05	10/04/25 23:27	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2612524	1	10/02/25 11:40	10/02/25 17:32	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2612538	1	10/02/25 11:36	10/03/25 02:34	AVB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2611999	1	10/01/25 14:25	10/01/25 16:59	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2611500	1	10/01/25 08:56	10/15/25 19:19	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2613405	25	10/01/25 08:51	10/03/25 17:14	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2612008	1	10/01/25 08:51	10/01/25 16:25	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2611564	1	10/02/25 09:54	10/02/25 18:13	SGB	Mt. Juliet, TN

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

PWV-E02@5' L1903194-07

Collected by: Isabel Eikermann | Collected date/time: 09/26/25 13:12 | Received date/time: 09/30/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2611573	1	10/02/25 15:57	10/04/25 00:36	CMF	Mt. Juliet, TN

PWV-E03@5' L1903194-08

Collected by: Isabel Eikermann | Collected date/time: 09/26/25 13:14 | Received date/time: 09/30/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2611983	1	10/02/25 12:49	10/02/25 12:49	NMM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2611534	1	10/01/25 06:08	10/01/25 06:10	CMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2612916	1	10/02/25 16:05	10/04/25 23:54	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2612524	1	10/02/25 11:40	10/02/25 17:32	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2612538	1	10/02/25 11:36	10/03/25 02:34	AVB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2611999	1	10/01/25 14:25	10/01/25 17:02	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2611500	1	10/01/25 08:56	10/15/25 17:55	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2613439	25	10/01/25 08:51	10/03/25 18:14	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2612008	1	10/01/25 08:51	10/01/25 16:45	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2611564	1	10/02/25 09:54	10/02/25 18:01	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2611573	1	10/02/25 15:57	10/04/25 00:53	CMF	Mt. Juliet, TN

PWV-W02@5' L1903194-09

Collected by: Isabel Eikermann | Collected date/time: 09/26/25 13:16 | Received date/time: 09/30/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2611983	1	10/02/25 12:51	10/02/25 12:51	NMM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2611534	1	10/01/25 06:08	10/01/25 06:10	CMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2612916	1	10/02/25 16:05	10/05/25 00:39	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2612524	1	10/02/25 11:40	10/02/25 17:32	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2612538	1	10/02/25 11:36	10/03/25 02:34	AVB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2611999	1	10/01/25 14:25	10/01/25 17:05	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2611500	1	10/01/25 08:56	10/15/25 19:22	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2613439	25	10/01/25 08:51	10/03/25 18:59	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2612008	1	10/01/25 08:51	10/01/25 17:05	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2611564	1	10/02/25 09:54	10/02/25 17:35	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2611573	1	10/02/25 15:57	10/04/25 01:11	CMF	Mt. Juliet, TN

PWV-W03@5' L1903194-10

Collected by: Isabel Eikermann | Collected date/time: 09/26/25 13:18 | Received date/time: 09/30/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2611983	1	10/02/25 12:54	10/02/25 12:54	NMM	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2611534	1	10/01/25 06:08	10/01/25 06:10	CMB	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2612916	1	10/02/25 16:05	10/05/25 00:48	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D (S-1.10)	WG2612524	1	10/02/25 11:40	10/02/25 17:32	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod (S-1.20)	WG2612538	1	10/02/25 11:36	10/03/25 02:34	AVB	Mt. Juliet, TN
Metals (ICP) by Method 6010D (S-7.10)	WG2611999	1	10/01/25 14:25	10/01/25 17:14	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2611500	1	10/01/25 08:56	10/15/25 19:25	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2613439	25	10/01/25 08:51	10/03/25 19:21	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2612008	1	10/01/25 08:51	10/01/25 17:25	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2611564	1	10/02/25 09:54	10/02/25 18:38	SGB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2611573	1	10/02/25 15:57	10/04/25 01:28	CMF	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mandi Edwards
Project Manager

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.209		1	10/02/2025 12:26	WG2611983

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.8		1	10/01/2025 05:39	WG2611533

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.233	1	10/04/2025 22:34	WG2612916

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.25		1	10/02/2025 15:45	WG2612515

Sample Narrative:

L1903194-01 WG2612515: 8.25 at 20.2C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	271	umhos/cm		10.0	1	10/02/2025 23:01	WG2612530

Sample Narrative:

L1903194-01 WG2612530: 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	10/01/2025 16:41	WG2611999

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	7.39		0.117	1	10/15/2025 18:50	WG2611500
Barium	162		11.7	1	10/15/2025 18:50	WG2611500
Cadmium	0.204		0.117	1	10/15/2025 18:50	WG2611500
Copper	17.3		11.7	1	10/15/2025 18:50	WG2611500
Lead	13.4		11.7	1	10/15/2025 18:50	WG2611500
Nickel	19.6		11.7	1	10/15/2025 18:50	WG2611500
Selenium	0.524		0.117	1	10/15/2025 18:50	WG2611500
Silver	ND		0.583	1	10/15/2025 18:50	WG2611500
Zinc	64.5		58.3	1	10/15/2025 18:50	WG2611500

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		3.33	25	10/03/2025 14:57	WG2613405
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*10/03/2025 14:57*	WG2613405

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		0.00133	1	10/07/2025 18:32	WG2615439
Ethylbenzene	ND		0.0133	1	10/07/2025 18:32	WG2615439
Toluene	ND		0.0133	1	10/07/2025 18:32	WG2615439
1,2,4-Trimethylbenzene	ND		0.00665	1	10/07/2025 18:32	WG2615439
1,3,5-Trimethylbenzene	ND		0.00665	1	10/07/2025 18:32	WG2615439
Xylenes, Total	ND		0.133	1	10/07/2025 18:32	WG2615439
(S) Toluene-d8	*96.7*		*75.0-131*		*10/07/2025 18:32*	WG2615439
(S) 4-Bromofluorobenzene	*98.8*		*67.0-138*		*10/07/2025 18:32*	WG2615439
(S) 1,2-Dichloroethane-d4	*95.8*		*70.0-130*		*10/07/2025 18:32*	WG2615439

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	106		4.66	1	10/02/2025 18:51	WG2611564
C28-C36 Motor Oil Range	170		4.66	1	10/02/2025 18:51	WG2611564
(S) o-Terphenyl	*47.1*		*18.0-148*		*10/02/2025 18:51*	WG2611564

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
Acenaphthene	ND		0.0384	1	10/03/2025 22:51	WG2611573
Anthracene	ND		0.0384	1	10/03/2025 22:51	WG2611573
Benzo(a)anthracene	ND		0.00699	1	10/03/2025 22:51	WG2611573
Benzo(b)fluoranthene	ND		0.0384	1	10/03/2025 22:51	WG2611573
Benzo(k)fluoranthene	ND		0.0384	1	10/03/2025 22:51	WG2611573
Benzo(a)pyrene	ND		0.0384	1	10/03/2025 22:51	WG2611573
Chrysene	ND		0.0384	1	10/03/2025 22:51	WG2611573
Dibenz(a,h)anthracene	ND		0.0384	1	10/03/2025 22:51	WG2611573
Fluoranthene	ND		0.0384	1	10/03/2025 22:51	WG2611573
Fluorene	ND		0.0384	1	10/03/2025 22:51	WG2611573
Indeno(1,2,3-cd)pyrene	ND		0.0384	1	10/03/2025 22:51	WG2611573
1-Methylnaphthalene	ND		0.00350	1	10/03/2025 22:51	WG2611573
2-Methylnaphthalene	ND		0.0140	1	10/03/2025 22:51	WG2611573
Naphthalene	ND		0.00350	1	10/03/2025 22:51	WG2611573
Pyrene	ND		0.0384	1	10/03/2025 22:51	WG2611573
(S) p-Terphenyl-d14	*73.2*		*23.0-120*		*10/03/2025 22:51*	WG2611573
(S) 2-Fluorobiphenyl	*76.7*		*34.0-125*		*10/03/2025 22:51*	WG2611573
(S) 2-Methylnaphthalene-d10	*80.7*		*50.0-150*		*10/03/2025 22:51*	WG2611573

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.251		1	10/02/2025 12:33	WG2611983

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.6		1	10/01/2025 05:39	WG2611533

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.236	1	10/04/2025 22:43	WG2612916

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.40		1	10/02/2025 15:45	WG2612515

Sample Narrative:

L1903194-02 WG2612515: 8.4 at 19.9C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	233	umhos/cm		10.0	1	10/02/2025 23:01	WG2612530

Sample Narrative:

L1903194-02 WG2612530: 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	10/01/2025 16:44	WG2611999

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.97		0.118	1	10/15/2025 18:53	WG2611500
Barium	180		11.8	1	10/15/2025 18:53	WG2611500
Cadmium	0.213		0.118	1	10/15/2025 18:53	WG2611500
Copper	17.7		11.8	1	10/15/2025 18:53	WG2611500
Lead	14.4		11.8	1	10/15/2025 18:53	WG2611500
Nickel	20.6		11.8	1	10/15/2025 18:53	WG2611500
Selenium	0.643		0.118	1	10/15/2025 18:53	WG2611500
Silver	ND		0.591	1	10/15/2025 18:53	WG2611500
Zinc	67.8		59.1	1	10/15/2025 18:53	WG2611500

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		3.41	25	10/03/2025 15:20	WG2613405
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*10/03/2025 15:20*	WG2613405

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	10/01/2025 14:46	WG2612008
Ethylbenzene	ND		0.0137	1	10/01/2025 14:46	WG2612008
Toluene	ND		0.0137	1	10/01/2025 14:46	WG2612008
1,2,4-Trimethylbenzene	ND		0.00683	1	10/01/2025 14:46	WG2612008
1,3,5-Trimethylbenzene	ND		0.00683	1	10/01/2025 14:46	WG2612008
Xylenes, Total	ND		0.137	1	10/01/2025 14:46	WG2612008
(S) Toluene-d8	*96.6*		*75.0-131*		*10/01/2025 14:46*	WG2612008
(S) 4-Bromofluorobenzene	*98.8*		*67.0-138*		*10/01/2025 14:46*	WG2612008
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*10/01/2025 14:46*	WG2612008

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		4.73	1	10/02/2025 16:32	WG2611564
C28-C36 Motor Oil Range	5.49	B	4.73	1	10/02/2025 16:32	WG2611564
(S) o-Terphenyl	*56.8*		*18.0-148*		*10/02/2025 16:32*	WG2611564

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
Acenaphthene	ND		0.0390	1	10/03/2025 23:08	WG2611573
Anthracene	ND		0.0390	1	10/03/2025 23:08	WG2611573
Benzo(a)anthracene	ND		0.00709	1	10/03/2025 23:08	WG2611573
Benzo(b)fluoranthene	ND		0.0390	1	10/03/2025 23:08	WG2611573
Benzo(k)fluoranthene	ND		0.0390	1	10/03/2025 23:08	WG2611573
Benzo(a)pyrene	ND		0.0390	1	10/03/2025 23:08	WG2611573
Chrysene	ND		0.0390	1	10/03/2025 23:08	WG2611573
Dibenz(a,h)anthracene	ND		0.0390	1	10/03/2025 23:08	WG2611573
Fluoranthene	ND		0.0390	1	10/03/2025 23:08	WG2611573
Fluorene	ND		0.0390	1	10/03/2025 23:08	WG2611573
Indeno(1,2,3-cd)pyrene	ND		0.0390	1	10/03/2025 23:08	WG2611573
1-Methylnaphthalene	ND		0.00355	1	10/03/2025 23:08	WG2611573
2-Methylnaphthalene	ND		0.0142	1	10/03/2025 23:08	WG2611573
Naphthalene	ND		0.00355	1	10/03/2025 23:08	WG2611573
Pyrene	ND		0.0390	1	10/03/2025 23:08	WG2611573
(S) p-Terphenyl-d14	*75.2*		*23.0-120*		*10/03/2025 23:08*	WG2611573
(S) 2-Fluorobiphenyl	*79.4*		*34.0-125*		*10/03/2025 23:08*	WG2611573
(S) 2-Methylnaphthalene-d10	*81.3*		*50.0-150*		*10/03/2025 23:08*	WG2611573

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.241		1	10/02/2025 12:36	WG2611983

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.5		1	10/01/2025 06:10	WG2611534

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.234	1	10/04/2025 22:51	WG2612916

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.39		1	10/02/2025 15:45	WG2612515

Sample Narrative:

L1903194-03 WG2612515: 8.39 at 19.9C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	259	umhos/cm		10.0	1	10/02/2025 23:01	WG2612530

Sample Narrative:

L1903194-03 WG2612530: 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	10/01/2025 16:47	WG2611999

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.38		0.117	1	10/15/2025 18:56	WG2611500
Barium	204		11.7	1	10/15/2025 18:56	WG2611500
Cadmium	0.251		0.117	1	10/15/2025 18:56	WG2611500
Copper	16.5		11.7	1	10/15/2025 18:56	WG2611500
Lead	13.7		11.7	1	10/15/2025 18:56	WG2611500
Nickel	19.2		11.7	1	10/15/2025 18:56	WG2611500
Selenium	0.607		0.117	1	10/15/2025 18:56	WG2611500
Silver	ND		0.585	1	10/15/2025 18:56	WG2611500
Zinc	63.8		58.5	1	10/15/2025 18:56	WG2611500

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		3.35	25	10/03/2025 15:43	WG2613405
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*10/03/2025 15:43*	WG2613405

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		0.00134	1	10/01/2025 15:06	WG2612008
Ethylbenzene	ND		0.0134	1	10/01/2025 15:06	WG2612008
Toluene	ND		0.0134	1	10/01/2025 15:06	WG2612008
1,2,4-Trimethylbenzene	ND		0.00670	1	10/01/2025 15:06	WG2612008
1,3,5-Trimethylbenzene	ND		0.00670	1	10/01/2025 15:06	WG2612008
Xylenes, Total	ND		0.134	1	10/01/2025 15:06	WG2612008
(S) Toluene-d8	*96.8*		*75.0-131*		*10/01/2025 15:06*	WG2612008
(S) 4-Bromofluorobenzene	*98.4*		*67.0-138*		*10/01/2025 15:06*	WG2612008
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*10/01/2025 15:06*	WG2612008

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		4.68	1	10/02/2025 16:58	WG2611564
C28-C36 Motor Oil Range	ND		4.68	1	10/02/2025 16:58	WG2611564
(S) o-Terphenyl	*68.3*		*18.0-148*		*10/02/2025 16:58*	WG2611564

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
Acenaphthene	ND		0.0386	1	10/03/2025 23:26	WG2611573
Anthracene	ND		0.0386	1	10/03/2025 23:26	WG2611573
Benzo(a)anthracene	ND		0.00702	1	10/03/2025 23:26	WG2611573
Benzo(b)fluoranthene	ND		0.0386	1	10/03/2025 23:26	WG2611573
Benzo(k)fluoranthene	ND		0.0386	1	10/03/2025 23:26	WG2611573
Benzo(a)pyrene	ND		0.0386	1	10/03/2025 23:26	WG2611573
Chrysene	ND		0.0386	1	10/03/2025 23:26	WG2611573
Dibenz(a,h)anthracene	ND		0.0386	1	10/03/2025 23:26	WG2611573
Fluoranthene	ND		0.0386	1	10/03/2025 23:26	WG2611573
Fluorene	ND		0.0386	1	10/03/2025 23:26	WG2611573
Indeno(1,2,3-cd)pyrene	ND		0.0386	1	10/03/2025 23:26	WG2611573
1-Methylnaphthalene	ND		0.00351	1	10/03/2025 23:26	WG2611573
2-Methylnaphthalene	ND		0.0140	1	10/03/2025 23:26	WG2611573
Naphthalene	ND		0.00351	1	10/03/2025 23:26	WG2611573
Pyrene	ND		0.0386	1	10/03/2025 23:26	WG2611573
(S) p-Terphenyl-d14	*78.0*		*23.0-120*		*10/03/2025 23:26*	WG2611573
(S) 2-Fluorobiphenyl	*85.3*		*34.0-125*		*10/03/2025 23:26*	WG2611573
(S) 2-Methylnaphthalene-d10	*86.4*		*50.0-150*		*10/03/2025 23:26*	WG2611573

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.235		1	10/02/2025 12:38	WG2611983

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.6		1	10/01/2025 06:10	WG2611534

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.254	1	10/04/2025 23:00	WG2612916

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.36		1	10/02/2025 15:45	WG2612515

Sample Narrative:

L1903194-04 WG2612515: 8.36 at 20.8C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	257	umhos/cm		10.0	1	10/02/2025 23:01	WG2612530

Sample Narrative:

L1903194-04 WG2612530: 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	10/01/2025 16:50	WG2611999

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.70		0.130	1.02	10/15/2025 19:10	WG2611500
Barium	233		13.0	1.02	10/15/2025 19:10	WG2611500
Cadmium	0.253		0.130	1.02	10/15/2025 19:10	WG2611500
Copper	17.1		13.0	1.02	10/15/2025 19:10	WG2611500
Lead	15.2		13.0	1.02	10/15/2025 19:10	WG2611500
Nickel	19.6		13.0	1.02	10/15/2025 19:10	WG2611500
Selenium	0.538		0.130	1.02	10/15/2025 19:10	WG2611500
Silver	ND		0.649	1.02	10/15/2025 19:10	WG2611500
Zinc	65.9		64.9	1.02	10/15/2025 19:10	WG2611500

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		3.86	25	10/03/2025 16:06	WG2613405
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*10/03/2025 16:06*	WG2613405

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		0.00154	1	10/01/2025 15:26	WG2612008
Ethylbenzene	ND		0.0154	1	10/01/2025 15:26	WG2612008
Toluene	ND		0.0154	1	10/01/2025 15:26	WG2612008
1,2,4-Trimethylbenzene	ND		0.00772	1	10/01/2025 15:26	WG2612008
1,3,5-Trimethylbenzene	ND		0.00772	1	10/01/2025 15:26	WG2612008
Xylenes, Total	ND		0.154	1	10/01/2025 15:26	WG2612008
(S) Toluene-d8	*97.6*		*75.0-131*		*10/01/2025 15:26*	WG2612008
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*10/01/2025 15:26*	WG2612008
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*10/01/2025 15:26*	WG2612008

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		5.09	1	10/02/2025 17:10	WG2611564
C28-C36 Motor Oil Range	ND		5.09	1	10/02/2025 17:10	WG2611564
(S) o-Terphenyl	*55.8*		*18.0-148*		*10/02/2025 17:10*	WG2611564

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
Acenaphthene	ND		0.0420	1	10/03/2025 23:43	WG2611573
Anthracene	ND		0.0420	1	10/03/2025 23:43	WG2611573
Benzo(a)anthracene	ND		0.00763	1	10/03/2025 23:43	WG2611573
Benzo(b)fluoranthene	ND		0.0420	1	10/03/2025 23:43	WG2611573
Benzo(k)fluoranthene	ND		0.0420	1	10/03/2025 23:43	WG2611573
Benzo(a)pyrene	ND		0.0420	1	10/03/2025 23:43	WG2611573
Chrysene	ND		0.0420	1	10/03/2025 23:43	WG2611573
Dibenz(a,h)anthracene	ND		0.0420	1	10/03/2025 23:43	WG2611573
Fluoranthene	ND		0.0420	1	10/03/2025 23:43	WG2611573
Fluorene	ND		0.0420	1	10/03/2025 23:43	WG2611573
Indeno(1,2,3-cd)pyrene	ND		0.0420	1	10/03/2025 23:43	WG2611573
1-Methylnaphthalene	0.00471		0.00382	1	10/03/2025 23:43	WG2611573
2-Methylnaphthalene	ND		0.0153	1	10/03/2025 23:43	WG2611573
Naphthalene	0.00911		0.00382	1	10/03/2025 23:43	WG2611573
Pyrene	ND		0.0420	1	10/03/2025 23:43	WG2611573
(S) p-Terphenyl-d14	*78.7*		*23.0-120*		*10/03/2025 23:43*	WG2611573
(S) 2-Fluorobiphenyl	*73.6*		*34.0-125*		*10/03/2025 23:43*	WG2611573
(S) 2-Methylnaphthalene-d10	*78.6*		*50.0-150*		*10/03/2025 23:43*	WG2611573

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.0642		1	10/02/2025 12:41	WG2611983

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.2		1	10/01/2025 06:10	WG2611534

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.238	1	10/04/2025 23:09	WG2612916

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.20		1	10/02/2025 15:45	WG2612515

Sample Narrative:

L1903194-05 WG2612515: 8.2 at 20.8C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	632	umhos/cm		10.0	1	10/02/2025 23:01	WG2612530

Sample Narrative:

L1903194-05 WG2612530: 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	10/01/2025 16:53	WG2611999

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	8.55		0.119	1	10/15/2025 19:30	WG2611500
Barium	207		11.9	1	10/15/2025 19:30	WG2611500
Cadmium	0.264		0.119	1	10/15/2025 19:30	WG2611500
Copper	18.7		11.9	1	10/15/2025 19:30	WG2611500
Lead	15.7		11.9	1	10/15/2025 19:30	WG2611500
Nickel	21.7		11.9	1	10/15/2025 19:30	WG2611500
Selenium	0.539		0.119	1	10/15/2025 19:30	WG2611500
Silver	ND		0.594	1	10/15/2025 19:30	WG2611500
Zinc	70.6		59.4	1	10/15/2025 19:30	WG2611500

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		3.44	25	10/03/2025 16:28	WG2613405
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*10/03/2025 16:28*	WG2613405

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		0.00138	1	10/01/2025 15:45	WG2612008
Ethylbenzene	ND		0.0138	1	10/01/2025 15:45	WG2612008
Toluene	ND		0.0138	1	10/01/2025 15:45	WG2612008
1,2,4-Trimethylbenzene	ND		0.00688	1	10/01/2025 15:45	WG2612008
1,3,5-Trimethylbenzene	ND		0.00688	1	10/01/2025 15:45	WG2612008
Xylenes, Total	ND		0.138	1	10/01/2025 15:45	WG2612008
(S) Toluene-d8	*97.9*		*75.0-131*		*10/01/2025 15:45*	WG2612008
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*10/01/2025 15:45*	WG2612008
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*10/01/2025 15:45*	WG2612008

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		4.75	1	10/02/2025 17:23	WG2611564
C28-C36 Motor Oil Range	ND		4.75	1	10/02/2025 17:23	WG2611564
(S) o-Terphenyl	*68.8*		*18.0-148*		*10/02/2025 17:23*	WG2611564

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
Acenaphthene	ND		0.0392	1	10/04/2025 00:01	WG2611573
Anthracene	ND		0.0392	1	10/04/2025 00:01	WG2611573
Benzo(a)anthracene	ND		0.00713	1	10/04/2025 00:01	WG2611573
Benzo(b)fluoranthene	ND		0.0392	1	10/04/2025 00:01	WG2611573
Benzo(k)fluoranthene	ND		0.0392	1	10/04/2025 00:01	WG2611573
Benzo(a)pyrene	ND		0.0392	1	10/04/2025 00:01	WG2611573
Chrysene	ND		0.0392	1	10/04/2025 00:01	WG2611573
Dibenz(a,h)anthracene	ND		0.0392	1	10/04/2025 00:01	WG2611573
Fluoranthene	ND		0.0392	1	10/04/2025 00:01	WG2611573
Fluorene	ND		0.0392	1	10/04/2025 00:01	WG2611573
Indeno(1,2,3-cd)pyrene	ND		0.0392	1	10/04/2025 00:01	WG2611573
1-Methylnaphthalene	ND		0.00356	1	10/04/2025 00:01	WG2611573
2-Methylnaphthalene	ND		0.0143	1	10/04/2025 00:01	WG2611573
Naphthalene	ND		0.00356	1	10/04/2025 00:01	WG2611573
Pyrene	ND		0.0392	1	10/04/2025 00:01	WG2611573
(S) p-Terphenyl-d14	*79.8*		*23.0-120*		*10/04/2025 00:01*	WG2611573
(S) 2-Fluorobiphenyl	*80.8*		*34.0-125*		*10/04/2025 00:01*	WG2611573
(S) 2-Methylnaphthalene-d10	*84.8*		*50.0-150*		*10/04/2025 00:01*	WG2611573

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.221		1	10/02/2025 12:44	WG2611983

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.2		1	10/01/2025 06:10	WG2611534

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	10/04/2025 23:18	WG2612916

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.19		1	10/02/2025 17:32	WG2612524

Sample Narrative:

L1903194-06 WG2612524: 8.19 at 20.4C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	288	umhos/cm		10.0	1	10/03/2025 02:34	WG2612538

Sample Narrative:

L1903194-06 WG2612538: 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	10/01/2025 16:56	WG2611999

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	7.57		0.115	1	10/15/2025 19:16	WG2611500
Barium	193		11.5	1	10/15/2025 19:16	WG2611500
Cadmium	0.299		0.115	1	10/15/2025 19:16	WG2611500
Copper	18.2		11.5	1	10/15/2025 19:16	WG2611500
Lead	18.0		11.5	1	10/15/2025 19:16	WG2611500
Nickel	21.0		11.5	1	10/15/2025 19:16	WG2611500
Selenium	0.614		0.115	1	10/15/2025 19:16	WG2611500
Silver	ND		0.573	1	10/15/2025 19:16	WG2611500
Zinc	73.9		57.3	1	10/15/2025 19:16	WG2611500

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		3.23	25	10/03/2025 16:51	WG2613405
(S) a,a,a-Trifluorotoluene(FID)	*101*		*77.0-120*		*10/03/2025 16:51*	WG2613405

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		0.00129	1	10/01/2025 16:05	WG2612008
Ethylbenzene	ND		0.0129	1	10/01/2025 16:05	WG2612008
Toluene	ND		0.0129	1	10/01/2025 16:05	WG2612008
1,2,4-Trimethylbenzene	ND		0.00647	1	10/01/2025 16:05	WG2612008
1,3,5-Trimethylbenzene	ND		0.00647	1	10/01/2025 16:05	WG2612008
Xylenes, Total	ND		0.129	1	10/01/2025 16:05	WG2612008
(S) Toluene-d8	*97.5*		*75.0-131*		*10/01/2025 16:05*	WG2612008
(S) 4-Bromofluorobenzene	*99.3*		*67.0-138*		*10/01/2025 16:05*	WG2612008
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*10/01/2025 16:05*	WG2612008

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	18.2	B	4.59	1	10/02/2025 17:48	WG2611564
C28-C36 Motor Oil Range	25.3	B	4.59	1	10/02/2025 17:48	WG2611564
(S) o-Terphenyl	*52.5*		*18.0-148*		*10/02/2025 17:48*	WG2611564

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
Acenaphthene	ND		0.0378	1	10/04/2025 00:18	WG2611573
Anthracene	ND		0.0378	1	10/04/2025 00:18	WG2611573
Benzo(a)anthracene	ND		0.00688	1	10/04/2025 00:18	WG2611573
Benzo(b)fluoranthene	ND		0.0378	1	10/04/2025 00:18	WG2611573
Benzo(k)fluoranthene	ND		0.0378	1	10/04/2025 00:18	WG2611573
Benzo(a)pyrene	ND		0.0378	1	10/04/2025 00:18	WG2611573
Chrysene	ND		0.0378	1	10/04/2025 00:18	WG2611573
Dibenz(a,h)anthracene	ND		0.0378	1	10/04/2025 00:18	WG2611573
Fluoranthene	ND		0.0378	1	10/04/2025 00:18	WG2611573
Fluorene	ND		0.0378	1	10/04/2025 00:18	WG2611573
Indeno(1,2,3-cd)pyrene	ND		0.0378	1	10/04/2025 00:18	WG2611573
1-Methylnaphthalene	ND		0.00344	1	10/04/2025 00:18	WG2611573
2-Methylnaphthalene	ND		0.0138	1	10/04/2025 00:18	WG2611573
Naphthalene	ND		0.00344	1	10/04/2025 00:18	WG2611573
Pyrene	ND		0.0378	1	10/04/2025 00:18	WG2611573
(S) p-Terphenyl-d14	*77.0*		*23.0-120*		*10/04/2025 00:18*	WG2611573
(S) 2-Fluorobiphenyl	*78.8*		*34.0-125*		*10/04/2025 00:18*	WG2611573
(S) 2-Methylnaphthalene-d10	*82.5*		*50.0-150*		*10/04/2025 00:18*	WG2611573

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.367		1	10/02/2025 12:46	WG2611983

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.0		1	10/01/2025 06:10	WG2611534

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.233	1	10/04/2025 23:27	WG2612916

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.22		1	10/02/2025 17:32	WG2612524

Sample Narrative:

L1903194-07 WG2612524: 8.22 at 20.4C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	405	umhos/cm		10.0	1	10/03/2025 02:34	WG2612538

Sample Narrative:

L1903194-07 WG2612538: 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	10/01/2025 16:59	WG2611999

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.99		0.116	1	10/15/2025 19:19	WG2611500
Barium	242		11.6	1	10/15/2025 19:19	WG2611500
Cadmium	0.270		0.116	1	10/15/2025 19:19	WG2611500
Copper	18.5		11.6	1	10/15/2025 19:19	WG2611500
Lead	15.5		11.6	1	10/15/2025 19:19	WG2611500
Nickel	20.8		11.6	1	10/15/2025 19:19	WG2611500
Selenium	0.605		0.116	1	10/15/2025 19:19	WG2611500
Silver	ND		0.581	1	10/15/2025 19:19	WG2611500
Zinc	69.3		58.1	1	10/15/2025 19:19	WG2611500

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		3.32	25	10/03/2025 17:14	WG2613405
(S) a,a,a-Trifluorotoluene(FID)	*100*		*77.0-120*		*10/03/2025 17:14*	WG2613405

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		0.00133	1	10/01/2025 16:25	WG2612008
Ethylbenzene	ND		0.0133	1	10/01/2025 16:25	WG2612008
Toluene	ND		0.0133	1	10/01/2025 16:25	WG2612008
1,2,4-Trimethylbenzene	ND		0.00663	1	10/01/2025 16:25	WG2612008
1,3,5-Trimethylbenzene	ND		0.00663	1	10/01/2025 16:25	WG2612008
Xylenes, Total	ND		0.133	1	10/01/2025 16:25	WG2612008
(S) Toluene-d8	*97.8*		*75.0-131*		*10/01/2025 16:25*	WG2612008
(S) 4-Bromofluorobenzene	*100*		*67.0-138*		*10/01/2025 16:25*	WG2612008
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*10/01/2025 16:25*	WG2612008

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	44.4		4.65	1	10/02/2025 18:13	WG2611564
C28-C36 Motor Oil Range	59.7		4.65	1	10/02/2025 18:13	WG2611564
(S) o-Terphenyl	*52.0*		*18.0-148*		*10/02/2025 18:13*	WG2611564

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
Acenaphthene	ND		0.0384	1	10/04/2025 00:36	WG2611573
Anthracene	ND		0.0384	1	10/04/2025 00:36	WG2611573
Benzo(a)anthracene	ND		0.00698	1	10/04/2025 00:36	WG2611573
Benzo(b)fluoranthene	ND		0.0384	1	10/04/2025 00:36	WG2611573
Benzo(k)fluoranthene	ND		0.0384	1	10/04/2025 00:36	WG2611573
Benzo(a)pyrene	ND		0.0384	1	10/04/2025 00:36	WG2611573
Chrysene	ND		0.0384	1	10/04/2025 00:36	WG2611573
Dibenz(a,h)anthracene	ND		0.0384	1	10/04/2025 00:36	WG2611573
Fluoranthene	ND		0.0384	1	10/04/2025 00:36	WG2611573
Fluorene	ND		0.0384	1	10/04/2025 00:36	WG2611573
Indeno(1,2,3-cd)pyrene	ND		0.0384	1	10/04/2025 00:36	WG2611573
1-Methylnaphthalene	ND		0.00349	1	10/04/2025 00:36	WG2611573
2-Methylnaphthalene	ND		0.0140	1	10/04/2025 00:36	WG2611573
Naphthalene	ND		0.00349	1	10/04/2025 00:36	WG2611573
Pyrene	ND		0.0384	1	10/04/2025 00:36	WG2611573
(S) p-Terphenyl-d14	*75.4*		*23.0-120*		*10/04/2025 00:36*	WG2611573
(S) 2-Fluorobiphenyl	*76.7*		*34.0-125*		*10/04/2025 00:36*	WG2611573
(S) 2-Methylnaphthalene-d10	*81.2*		*50.0-150*		*10/04/2025 00:36*	WG2611573

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.390		1	10/02/2025 12:49	WG2611983

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.9		1	10/01/2025 06:10	WG2611534

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND	J6	0.238	1	10/04/2025 23:54	WG2612916

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.28		1	10/02/2025 17:32	WG2612524

Sample Narrative:

L1903194-08 WG2612524: 8.28 at 20.3C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	395	umhos/cm		10.0	1	10/03/2025 02:34	WG2612538

Sample Narrative:

L1903194-08 WG2612538: 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	10/01/2025 17:02	WG2611999

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.36		0.119	1	10/15/2025 17:55	WG2611500
Barium	235	J6	11.9	1	10/15/2025 17:55	WG2611500
Cadmium	0.247		0.119	1	10/15/2025 17:55	WG2611500
Copper	18.2		11.9	1	10/15/2025 17:55	WG2611500
Lead	13.7		11.9	1	10/15/2025 17:55	WG2611500
Nickel	19.8		11.9	1	10/15/2025 17:55	WG2611500
Selenium	0.563		0.119	1	10/15/2025 17:55	WG2611500
Silver	ND		0.596	1	10/15/2025 17:55	WG2611500
Zinc	65.1		59.6	1	10/15/2025 17:55	WG2611500

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		3.46	25	10/03/2025 18:14	WG2613439
(S) a,a,a-Trifluorotoluene(FID)	*102*		*77.0-120*		*10/03/2025 18:14*	WG2613439

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		0.00139	1	10/01/2025 16:45	WG2612008
Ethylbenzene	ND		0.0139	1	10/01/2025 16:45	WG2612008
Toluene	ND		0.0139	1	10/01/2025 16:45	WG2612008
1,2,4-Trimethylbenzene	ND		0.00693	1	10/01/2025 16:45	WG2612008
1,3,5-Trimethylbenzene	ND		0.00693	1	10/01/2025 16:45	WG2612008
Xylenes, Total	ND		0.139	1	10/01/2025 16:45	WG2612008
(S) Toluene-d8	*98.1*		*75.0-131*		*10/01/2025 16:45*	WG2612008
(S) 4-Bromofluorobenzene	*98.9*		*67.0-138*		*10/01/2025 16:45*	WG2612008
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*10/01/2025 16:45*	WG2612008

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	19.0	B	4.77	1	10/02/2025 18:01	WG2611564
C28-C36 Motor Oil Range	30.2	B	4.77	1	10/02/2025 18:01	WG2611564
(S) o-Terphenyl	*56.7*		*18.0-148*		*10/02/2025 18:01*	WG2611564

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
Acenaphthene	ND		0.0393	1	10/04/2025 00:53	WG2611573
Anthracene	ND		0.0393	1	10/04/2025 00:53	WG2611573
Benzo(a)anthracene	ND		0.00715	1	10/04/2025 00:53	WG2611573
Benzo(b)fluoranthene	ND		0.0393	1	10/04/2025 00:53	WG2611573
Benzo(k)fluoranthene	ND		0.0393	1	10/04/2025 00:53	WG2611573
Benzo(a)pyrene	ND		0.0393	1	10/04/2025 00:53	WG2611573
Chrysene	ND		0.0393	1	10/04/2025 00:53	WG2611573
Dibenz(a,h)anthracene	ND		0.0393	1	10/04/2025 00:53	WG2611573
Fluoranthene	ND		0.0393	1	10/04/2025 00:53	WG2611573
Fluorene	ND		0.0393	1	10/04/2025 00:53	WG2611573
Indeno(1,2,3-cd)pyrene	ND		0.0393	1	10/04/2025 00:53	WG2611573
1-Methylnaphthalene	ND		0.00358	1	10/04/2025 00:53	WG2611573
2-Methylnaphthalene	ND		0.0143	1	10/04/2025 00:53	WG2611573
Naphthalene	ND		0.00358	1	10/04/2025 00:53	WG2611573
Pyrene	ND		0.0393	1	10/04/2025 00:53	WG2611573
(S) p-Terphenyl-d14	*71.7*		*23.0-120*		*10/04/2025 00:53*	WG2611573
(S) 2-Fluorobiphenyl	*72.6*		*34.0-125*		*10/04/2025 00:53*	WG2611573
(S) 2-Methylnaphthalene-d10	*75.2*		*50.0-150*		*10/04/2025 00:53*	WG2611573

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.208		1	10/02/2025 12:51	WG2611983

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.3		1	10/01/2025 06:10	WG2611534

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.234	1	10/05/2025 00:39	WG2612916

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.26		1	10/02/2025 17:32	WG2612524

Sample Narrative:

L1903194-09 WG2612524: 8.26 at 20.5C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	236	umhos/cm		10.0	1	10/03/2025 02:34	WG2612538

Sample Narrative:

L1903194-09 WG2612538: 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	10/01/2025 17:05	WG2611999

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.96		0.117	1	10/15/2025 19:22	WG2611500
Barium	228		11.7	1	10/15/2025 19:22	WG2611500
Cadmium	0.252		0.117	1	10/15/2025 19:22	WG2611500
Copper	16.6		11.7	1	10/15/2025 19:22	WG2611500
Lead	14.0		11.7	1	10/15/2025 19:22	WG2611500
Nickel	19.2		11.7	1	10/15/2025 19:22	WG2611500
Selenium	0.641		0.117	1	10/15/2025 19:22	WG2611500
Silver	ND		0.586	1	10/15/2025 19:22	WG2611500
Zinc	64.2		58.6	1	10/15/2025 19:22	WG2611500

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		3.36	25	10/03/2025 18:59	WG2613439
(S) a,a,a-Trifluorotoluene(FID)	*103*		*77.0-120*		*10/03/2025 18:59*	WG2613439

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		0.00134	1	10/01/2025 17:05	WG2612008
Ethylbenzene	ND		0.0134	1	10/01/2025 17:05	WG2612008
Toluene	ND		0.0134	1	10/01/2025 17:05	WG2612008
1,2,4-Trimethylbenzene	ND		0.00672	1	10/01/2025 17:05	WG2612008
1,3,5-Trimethylbenzene	ND		0.00672	1	10/01/2025 17:05	WG2612008
Xylenes, Total	ND		0.134	1	10/01/2025 17:05	WG2612008
(S) Toluene-d8	*98.8*		*75.0-131*		*10/01/2025 17:05*	WG2612008
(S) 4-Bromofluorobenzene	*97.7*		*67.0-138*		*10/01/2025 17:05*	WG2612008
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*10/01/2025 17:05*	WG2612008

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	7.43	B	4.69	1	10/02/2025 17:35	WG2611564
C28-C36 Motor Oil Range	10.7	B	4.69	1	10/02/2025 17:35	WG2611564
(S) o-Terphenyl	*67.3*		*18.0-148*		*10/02/2025 17:35*	WG2611564

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
Acenaphthene	ND		0.0387	1	10/04/2025 01:11	WG2611573
Anthracene	ND		0.0387	1	10/04/2025 01:11	WG2611573
Benzo(a)anthracene	ND		0.00703	1	10/04/2025 01:11	WG2611573
Benzo(b)fluoranthene	ND		0.0387	1	10/04/2025 01:11	WG2611573
Benzo(k)fluoranthene	ND		0.0387	1	10/04/2025 01:11	WG2611573
Benzo(a)pyrene	ND		0.0387	1	10/04/2025 01:11	WG2611573
Chrysene	ND		0.0387	1	10/04/2025 01:11	WG2611573
Dibenz(a,h)anthracene	ND		0.0387	1	10/04/2025 01:11	WG2611573
Fluoranthene	ND		0.0387	1	10/04/2025 01:11	WG2611573
Fluorene	ND		0.0387	1	10/04/2025 01:11	WG2611573
Indeno(1,2,3-cd)pyrene	ND		0.0387	1	10/04/2025 01:11	WG2611573
1-Methylnaphthalene	ND		0.00352	1	10/04/2025 01:11	WG2611573
2-Methylnaphthalene	ND		0.0141	1	10/04/2025 01:11	WG2611573
Naphthalene	ND		0.00352	1	10/04/2025 01:11	WG2611573
Pyrene	ND		0.0387	1	10/04/2025 01:11	WG2611573
(S) p-Terphenyl-d14	*70.7*		*23.0-120*		*10/04/2025 01:11*	WG2611573
(S) 2-Fluorobiphenyl	*72.4*		*34.0-125*		*10/04/2025 01:11*	WG2611573
(S) 2-Methylnaphthalene-d10	*75.9*		*50.0-150*		*10/04/2025 01:11*	WG2611573

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.515		1	10/02/2025 12:54	WG2611983

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.6		1	10/01/2025 06:10	WG2611534

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.231	1	10/05/2025 00:48	WG2612916

Wet Chemistry by Method 9045D (S-1.10)

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.30		1	10/02/2025 17:32	WG2612524

Sample Narrative:

L1903194-10 WG2612524: 8.3 at 20.3C

Wet Chemistry by Method 9050AMod (S-1.20)

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	272	umhos/cm		10.0	1	10/03/2025 02:34	WG2612538

Sample Narrative:

L1903194-10 WG2612538: 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	10/01/2025 17:14	WG2611999

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	6.47		0.115	1	10/15/2025 19:25	WG2611500
Barium	217		11.5	1	10/15/2025 19:25	WG2611500
Cadmium	0.251		0.115	1	10/15/2025 19:25	WG2611500
Copper	17.9		11.5	1	10/15/2025 19:25	WG2611500
Lead	14.4		11.5	1	10/15/2025 19:25	WG2611500
Nickel	20.8		11.5	1	10/15/2025 19:25	WG2611500
Selenium	0.677		0.115	1	10/15/2025 19:25	WG2611500
Silver	ND		0.577	1	10/15/2025 19:25	WG2611500
Zinc	67.7		57.7	1	10/15/2025 19:25	WG2611500

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		3.27	25	10/03/2025 19:21	WG2613439
(S) a,a,a-Trifluorotoluene(FID)	*103*		*77.0-120*		*10/03/2025 19:21*	WG2613439

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		0.00131	1	10/01/2025 17:25	WG2612008
Ethylbenzene	ND		0.0131	1	10/01/2025 17:25	WG2612008
Toluene	ND		0.0131	1	10/01/2025 17:25	WG2612008
1,2,4-Trimethylbenzene	ND		0.00655	1	10/01/2025 17:25	WG2612008
1,3,5-Trimethylbenzene	ND		0.00655	1	10/01/2025 17:25	WG2612008
Xylenes, Total	ND		0.131	1	10/01/2025 17:25	WG2612008
(S) Toluene-d8	*97.1*		*75.0-131*		*10/01/2025 17:25*	WG2612008
(S) 4-Bromofluorobenzene	*99.9*		*67.0-138*		*10/01/2025 17:25*	WG2612008
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*10/01/2025 17:25*	WG2612008

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	86.7		4.62	1	10/02/2025 18:38	WG2611564
C28-C36 Motor Oil Range	139		4.62	1	10/02/2025 18:38	WG2611564
(S) o-Terphenyl	*48.0*		*18.0-148*		*10/02/2025 18:38*	WG2611564

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
Acenaphthene	ND		0.0381	1	10/04/2025 01:28	WG2611573
Anthracene	ND		0.0381	1	10/04/2025 01:28	WG2611573
Benzo(a)anthracene	0.0150		0.00693	1	10/04/2025 01:28	WG2611573
Benzo(b)fluoranthene	ND		0.0381	1	10/04/2025 01:28	WG2611573
Benzo(k)fluoranthene	ND		0.0381	1	10/04/2025 01:28	WG2611573
Benzo(a)pyrene	ND		0.0381	1	10/04/2025 01:28	WG2611573
Chrysene	ND		0.0381	1	10/04/2025 01:28	WG2611573
Dibenz(a,h)anthracene	ND		0.0381	1	10/04/2025 01:28	WG2611573
Fluoranthene	ND		0.0381	1	10/04/2025 01:28	WG2611573
Fluorene	ND		0.0381	1	10/04/2025 01:28	WG2611573
Indeno(1,2,3-cd)pyrene	ND		0.0381	1	10/04/2025 01:28	WG2611573
1-Methylnaphthalene	ND		0.00346	1	10/04/2025 01:28	WG2611573
2-Methylnaphthalene	ND		0.0139	1	10/04/2025 01:28	WG2611573
Naphthalene	ND		0.00346	1	10/04/2025 01:28	WG2611573
Pyrene	0.0421		0.0381	1	10/04/2025 01:28	WG2611573
(S) p-Terphenyl-d14	*73.2*		*23.0-120*		*10/04/2025 01:28*	WG2611573
(S) 2-Fluorobiphenyl	*75.0*		*34.0-125*		*10/04/2025 01:28*	WG2611573
(S) 2-Methylnaphthalene-d10	*79.6*		*50.0-150*		*10/04/2025 01:28*	WG2611573

Method Blank (MB)

(MB) R4280994-1 10/01/25 05:39

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00300			

L1903194-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1903194-02 10/01/25 05:39 • (DUP) R4280994-3 10/01/25 05:39

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	84.6	84.0	1	0.622		10

Laboratory Control Sample (LCS)

(LCS) R4280994-2 10/01/25 05:39

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	90.0-110	

QUALITY CONTROL SUMMARY

L1903194-03,04,05,06,07,08,09,10

Method Blank (MB)

(MB) R4280999-1 10/01/25 06:10

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00400			

L1903194-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1903194-08 10/01/25 06:10 • (DUP) R4280999-3 10/01/25 06:10

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.9	83.9	1	0.0557		10

Laboratory Control Sample (LCS)

(LCS) R4280999-2 10/01/25 06:10

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	90.0-110	

QUALITY CONTROL SUMMARY

L1903194-01,02,03,04,05,06,07,08,09,10

Method Blank (MB)

(MB) R4283266-1 10/04/25 20:20

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

L1903150-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1903150-01 10/04/25 20:38 • (DUP) R4283266-3 10/04/25 20:46

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

L1903150-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1903150-02 10/04/25 20:55 • (DUP) R4283266-4 10/04/25 21:04

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

Laboratory Control Sample (LCS)

(LCS) R4283266-2 10/04/25 20:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	9.41	94.1	80.0-120	

L1903194-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1903194-08 10/04/25 23:54 • (MS) R4283266-7 10/05/25 00:21

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	767	ND	ND	0.000	50	75.0-125	J6

L1903194-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1903194-08 10/04/25 23:54 • (MS) R4283266-5 10/05/25 00:03 • (MSD) R4283266-6 10/05/25 00:12

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	23.8	ND	22.3	19.5	93.4	81.6	1	75.0-125			13.5	20

L1903186-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1903186-01 10/02/25 15:45 • (DUP) R4281825-2 10/02/25 15:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.33	7.30	1	0.410		1

Sample Narrative:

OS: 7.33 at 21C

DUP: 7.3 at 20.9C

L1903194-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1903194-05 10/02/25 15:45 • (DUP) R4281825-3 10/02/25 15:45

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 20.8C

DUP: 8.24 at 20.8C

Laboratory Control Sample (LCS)

(LCS) R4281825-1 10/02/25 15:45

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 20.6C

L1903168-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1903168-13 10/02/25 17:32 • (DUP) R4281824-2 10/02/25 17:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.20	7.23	1	0.416		1

Sample Narrative:
OS: 7.2 at 20.9C
DUP: 7.23 at 20.6C

L1903202-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1903202-05 10/02/25 17:32 • (DUP) R4281824-3 10/02/25 17:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.99	7.98	1	0.125		1

Sample Narrative:
OS: 7.99 at 20C
DUP: 7.98 at 20.2C

Laboratory Control Sample (LCS)

(LCS) R4281824-1 10/02/25 17:32

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.97	99.7	99.0-101	

Sample Narrative:
LCS: 9.97 at 20.5C

Method Blank (MB)

(MB) R4281956-1 10/02/25 23:01

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

L1903186-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1903186-02 10/02/25 23:01 • (DUP) R4281956-3 10/02/25 23:01

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	50.9	50.4	1	0.987		20

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

L1903194-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1903194-04 10/02/25 23:01 • (DUP) R4281956-4 10/02/25 23:01

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	257	257	1	0.000		20

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

Laboratory Control Sample (LCS)

(LCS) R4281956-2 10/02/25 23:01

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	593	102	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4281958-1 10/03/25 02:34

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

L1903168-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1903168-14 10/03/25 02:34 • (DUP) R4281958-3 10/03/25 02:34

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	206	205	1	0.634		20

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

L1903202-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1903202-04 10/03/25 02:34 • (DUP) R4281958-4 10/03/25 02:34

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	4120	4140	1	0.484		20

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

Laboratory Control Sample (LCS)

(LCS) R4281958-2 10/03/25 02:34

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	586	101	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4281179-1 10/01/25 16:02

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

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

(LCS) R4281179-2 10/01/25 16:05 • (LCSD) R4281179-3 10/01/25 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	0.998	99.9	99.8	80.0-120			0.159	20

Method Blank (MB)

(MB) R4287605-1 10/15/25 17:49

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) R4287605-2 10/15/25 17:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	101	101	80.0-120	
Barium	100	96.5	96.5	80.0-120	
Cadmium	100	107	107	80.0-120	
Copper	100	103	103	80.0-120	
Lead	100	102	102	80.0-120	
Nickel	100	107	107	80.0-120	
Selenium	100	99.4	99.4	80.0-120	
Silver	20.0	20.4	102	80.0-120	
Zinc	100	101	101	80.0-120	

L1903194-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1903194-08 10/15/25 17:55 • (MS) R4287605-5 10/15/25 18:04 • (MSD) R4287605-6 10/15/25 18:07

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 %
Arsenic	119	6.36	112	116	88.6	91.7	1	75.0-125			3.33	20
Barium	119	235	304	296	58.0	51.2	1	75.0-125	J6	J6	2.69	20
Cadmium	119	0.247	112	116	93.5	96.8	1	75.0-125			3.40	20
Copper	119	18.2	125	130	89.9	94.0	1	75.0-125			3.75	20
Lead	119	13.7	118	123	87.2	91.6	1	75.0-125			4.34	20
Nickel	119	19.8	129	134	91.5	95.4	1	75.0-125			3.49	20
Selenium	119	0.563	107	111	89.7	92.6	1	75.0-125			3.17	20
Silver	23.8	ND	21.6	22.1	90.5	92.6	1	75.0-125			2.24	20

L1903194-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1903194-08 10/15/25 17:55 • (MS) R4287605-5 10/15/25 18:04 • (MSD) R4287605-6 10/15/25 18:07

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	%	%		%			%	%
Zinc	119	65.1	172	177	89.9	93.8	1	75.0-125			2.62	20

Method Blank (MB)

(MB) R4282851-2 10/03/25 11:11

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)	*99.5*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4282851-1 10/03/25 10:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.14	82.8	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*77.0-120*	

L1903321-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1903321-01 10/03/25 17:37 • (MS) R4282851-3 10/03/25 19:54 • (MSD) R4282851-4 10/03/25 20:17

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	183	ND	231	273	126	150	25	10.0-151			16.8	28
(S) a,a,a-Trifluorotoluene(FID)					*108*	*108*		*77.0-120*				

Method Blank (MB)

(MB) R4283197-2 10/03/25 12:01

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)	*102*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4283197-1 10/03/25 10:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.59	112	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*110*	*77.0-120*	

L1903194-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1903194-08 10/03/25 18:14 • (MS) R4283197-3 10/04/25 01:09 • (MSD) R4283197-4 10/04/25 01:31

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	173	ND	188	193	109	111	25	10.0-151			2.18	28
(S) a,a,a-Trifluorotoluene(FID)					*111*	*111*		*77.0-120*				

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

Method Blank (MB)

(MB) R4283470-2 10/01/25 11:37

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	*96.7*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.1*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4283470-1 10/01/25 09:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.250	0.226	90.4	70.0-123	
Ethylbenzene	0.250	0.220	88.0	74.0-126	
Toluene	0.250	0.213	85.2	75.0-121	
1,2,4-Trimethylbenzene	0.250	0.212	84.8	70.0-126	
1,3,5-Trimethylbenzene	0.250	0.218	87.2	73.0-127	
Xylenes, Total	0.750	0.667	88.9	72.0-127	
(S) Toluene-d8			*97.1*	*75.0-131*	
(S) 4-Bromofluorobenzene			*99.0*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*108*	*70.0-130*	

Method Blank (MB)

(MB) R4283914-2 10/07/25 17:51

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	*99.5*			*75.0-131*
(S) 4-Bromofluorobenzene	*103*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*90.1*			*70.0-130*

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

(LCS) R4283914-1 10/07/25 16:35 • (LCSD) R4283914-3 10/08/25 00:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.250	0.286	0.268	114	107	70.0-123			6.50	20
Ethylbenzene	0.250	0.270	0.238	108	95.2	74.0-126			12.6	20
Toluene	0.250	0.265	0.235	106	94.0	75.0-121			12.0	20
1,2,4-Trimethylbenzene	0.250	0.262	0.258	105	103	70.0-126			1.54	20
1,3,5-Trimethylbenzene	0.250	0.262	0.254	105	102	73.0-127			3.10	20
Xylenes, Total	0.750	0.863	0.739	115	98.5	72.0-127			15.5	20
(S) Toluene-d8				*97.9*	*93.8*	*75.0-131*				
(S) 4-Bromofluorobenzene				*105*	*100*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*95.3*	*98.8*	*70.0-130*				

Method Blank (MB)

(MB) R4282383-1 10/02/25 16:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	3.46	J	1.61	4.00
C28-C36 Motor Oil Range	2.67	J	0.274	4.00
(S) o-Terphenyl	*61.6*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4282383-2 10/02/25 16:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	39.4	78.8	50.0-150	
(S) o-Terphenyl			*71.8*	*18.0-148*	

L1903194-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1903194-02 10/02/25 16:32 • (MS) R4282383-3 10/02/25 16:45 • (MSD) R4282383-4 10/02/25 16:58

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 %
C10-C28 Diesel Range	58.4	ND	36.4	33.8	56.3	51.7	1	50.0-150			7.41	20
(S) o-Terphenyl					*49.8*	*45.3*		*18.0-148*				

Method Blank (MB)

(MB) R4282546-2 10/03/25 19:04

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	*82.0*			*23.0-120*
(S) 2-Fluorobiphenyl	*79.0*			*34.0-125*
(S) 2-Methylnaphthalene-d10	*80.7*			*50.0-150*

Laboratory Control Sample (LCS)

(LCS) R4282546-1 10/03/25 18:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0800	0.0572	71.5	50.0-120	
Anthracene	0.0800	0.0581	72.6	50.0-126	
Benzo(a)anthracene	0.0800	0.0623	77.9	45.0-120	
Benzo(b)fluoranthene	0.0800	0.0596	74.5	42.0-121	
Benzo(k)fluoranthene	0.0800	0.0574	71.8	49.0-125	
Benzo(a)pyrene	0.0800	0.0538	67.3	42.0-120	
Chrysene	0.0800	0.0625	78.1	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0591	73.9	47.0-125	
Fluoranthene	0.0800	0.0617	77.1	49.0-129	
Fluorene	0.0800	0.0649	81.1	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0592	74.0	46.0-125	
1-Methylnaphthalene	0.0800	0.0619	77.4	51.0-121	
2-Methylnaphthalene	0.0800	0.0601	75.1	50.0-120	
Naphthalene	0.0800	0.0602	75.3	50.0-120	
Pyrene	0.0800	0.0613	76.6	43.0-123	

Laboratory Control Sample (LCS)

(LCS) R4282546-1 10/03/25 18:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			*78.4*	*23.0-120*	
(S) 2-Fluorobiphenyl			*79.0*	*34.0-125*	
(S) 2-Methylnaphthalene-d10			*80.8*	*50.0-150*	

L1903168-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1903168-13 10/03/25 19:21 • (MS) R4282546-3 10/03/25 19:39 • (MSD) R4282546-4 10/03/25 19:56

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0915	ND	0.0566	0.0577	61.8	62.7	1	14.0-127			1.88	27
Anthracene	0.0915	ND	0.0561	0.0601	61.3	65.3	1	10.0-145			6.77	30
Benzo(a)anthracene	0.0915	ND	0.0579	0.0614	63.3	66.7	1	10.0-139			5.79	30
Benzo(b)fluoranthene	0.0915	ND	0.0522	0.0560	57.0	60.9	1	10.0-140			7.05	36
Benzo(k)fluoranthene	0.0915	ND	0.0508	0.0516	55.5	56.1	1	10.0-137			1.63	31
Benzo(a)pyrene	0.0915	ND	0.0518	0.0543	56.6	59.1	1	10.0-141			4.71	31
Chrysene	0.0915	ND	0.0572	0.0599	62.5	65.2	1	10.0-145			4.68	30
Dibenz(a,h)anthracene	0.0915	ND	0.0528	0.0555	57.7	60.4	1	10.0-132			5.06	31
Fluoranthene	0.0915	ND	0.0611	0.0657	66.8	71.4	1	10.0-153			7.14	33
Fluorene	0.0915	ND	0.0653	0.0666	71.4	72.4	1	11.0-130			1.99	29
Indeno(1,2,3-cd)pyrene	0.0915	ND	0.0522	0.0552	57.0	60.0	1	10.0-137			5.55	32
1-Methylnaphthalene	0.0915	ND	0.0622	0.0635	68.0	69.0	1	10.0-142			2.09	28
2-Methylnaphthalene	0.0915	ND	0.0607	0.0607	66.3	65.9	1	10.0-137			0.000	28
Naphthalene	0.0915	ND	0.0617	0.0617	67.4	67.1	1	10.0-135			0.000	27
Pyrene	0.0915	ND	0.0597	0.0624	65.2	67.9	1	10.0-148			4.49	35
(S) p-Terphenyl-d14					*72.8*	*72.3*		*23.0-120*				
(S) 2-Fluorobiphenyl					*69.5*	*69.7*		*34.0-125*				
(S) 2-Methylnaphthalene-d10					*78.7*	*78.4*		*50.0-150*				

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

(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.
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
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
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	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.

Company Name/Address:
Civitas/Tasman - CO
4725 Independence St,
Wheat Ridge, Colorado 80033

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

Pres Chk

Project Manager:
Sam Vogt / Jacob Evans

Email: **svogt@tasman-geo.com / Jevans@civiresources.com**

Project Name: Alarm - 61N69W 10NWNE

Please Circle: PT (MT) CT ET

Phone: **610-405-9078**

Lab Project #:

AFE# or C/C: 23735, 24[illegible]23

Collected by (print): Isabel Fikermann

Site/Facility ID #:

Billing Code #: 6520.154

Collected by (signature):

Immediately Packed on Ice N ____ Y ✓

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: STD

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	# of Containers	Full TABLE915 8ozClr-NoPres	Background TABLE915 8ozClr-NoPres	V8260 (GW TABLE915) 40mL Amb-HCl	Chloride, Sulfate 125mL HDPE-NoPres	TDS 250mL-HDPE-NoPres	Remarks	Sample # (lab only)
PWV-B02@6'	Grab	SS	6'	9/26/25	13:00	2	X						-01
PWV-B03@6'			6'		13:02								-02
PWV-N02@5'			5'		13:04								-03
PWV-N03@5'					13:06								-04
PWV-S02@5'					13:08								-05
PWV-S03@5'					13:10								-06
PWV-E02@5'					13:12								-07
PWV-E03@5'					13:14								-08
PWV-W02@5'					13:16								-09
PWV-W03@5'					13:18								-10

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122 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 # L1903194

A050

Acctnum: **CIVTASBCO**
Template: **T250702**
Prelogin: **P1068185**
PM: **824 - Chris Ward**
PB:

Shipped Via: **FedEX Ground**

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

Remarks:
pH, EC, SAR by saturated paste preparation method
Boron by hot water soluble preparation method
Table 915-1 Metals - As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn, Cr VI

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)	Trip Blank Received: Yes / (No) HCL / MeoH TBR	
[signature]	9/26/25	17:25	Sage Corrino		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: [illegible]°C Bottles Received:	If preservation required by Login: Date/Time
Sage Corrino	9/29/25	1800	SWA Corp	1.6-0.1-1.5 20	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			Deyanly	9.30.25 0900	

PNPCO