ANALYTICAL REPORT

April 13, 2025

Pace Analytical Services, LLC
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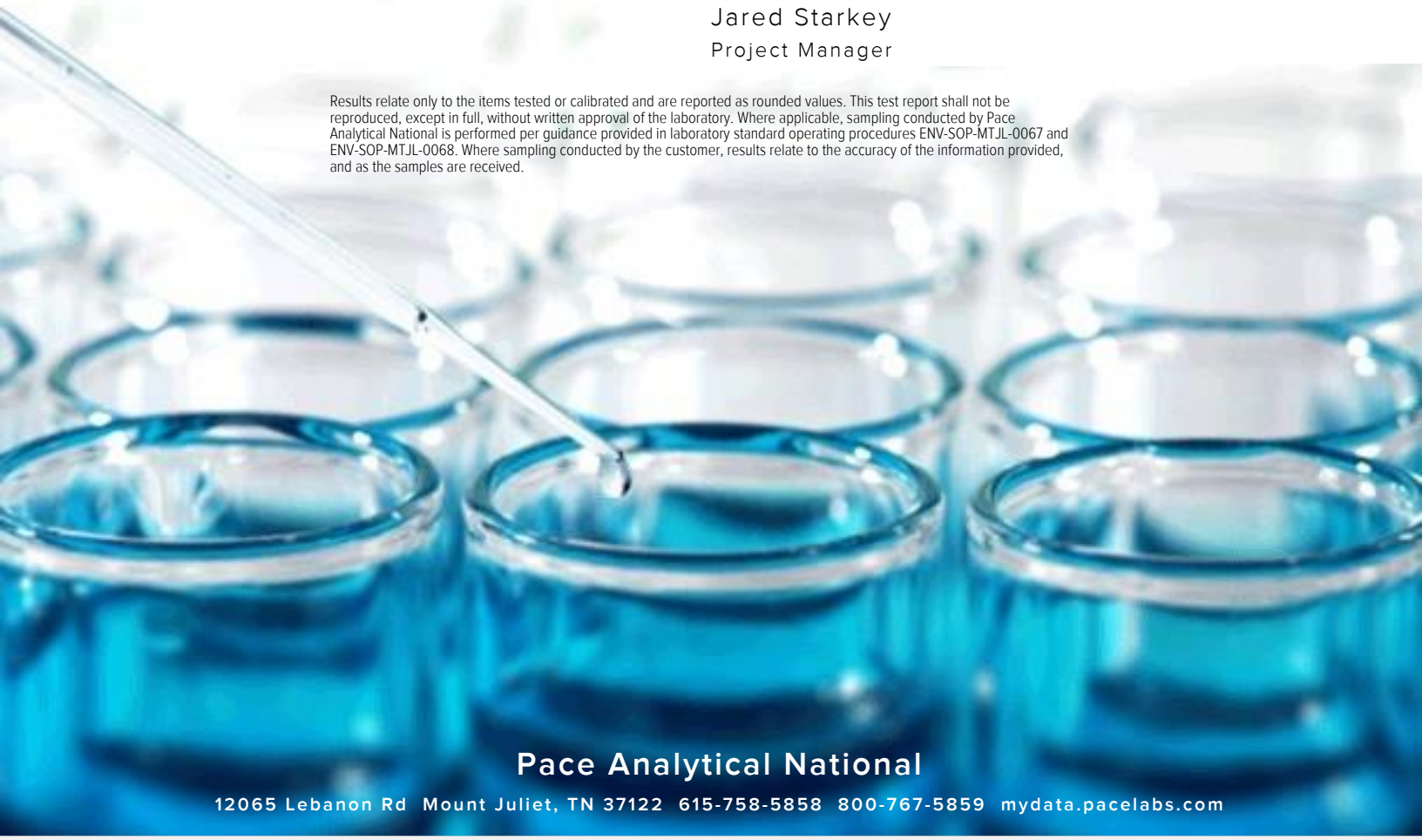
CTEH - ER

Sample Delivery Group:	L1847156
Samples Received:	04/12/2025
Project Number:	PROJ-054017
Description:	Bishop Loss of Containment Incident
Report To:	CTEH
	5120 North Shore Drive
	North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
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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GACO0411S001 L1847156-01 Solid

Collected by: Lisa Howes | Collected date/time: 04/11/25 15:50 | Received date/time: 04/12/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2489100	1	04/12/25 21:28	04/12/25 21:28	JTM	Mt. Juliet, TN
Calculated Results	WG2489257	1	04/13/25 08:30	04/13/25 18:25	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2488960	1	04/12/25 12:16	04/12/25 12:28	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2489647	2	04/13/25 08:30	04/13/25 18:21	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2489257	1	04/13/25 08:30	04/13/25 18:25	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2489203	1	04/12/25 18:00	04/12/25 21:02	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2489000	1	04/12/25 14:33	04/12/25 16:28	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2489007	5	04/12/25 14:00	04/13/25 14:19	DLS	Mt. Juliet, TN
Mercury by Method 7471B	WG2489004	1	04/12/25 13:49	04/12/25 15:18	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2489008	1	04/12/25 13:50	04/12/25 15:40	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2488833	1	04/12/25 12:49	04/12/25 14:22	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2488956	1	04/12/25 12:49	04/12/25 14:04	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2488965	5	04/12/25 18:08	04/12/25 21:01	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2488964	2	04/12/25 16:39	04/12/25 19:28	JRM	Mt. Juliet, TN

GACO0411S002 L1847156-02 Solid

Collected by: Lisa Howes | Collected date/time: 04/11/25 16:25 | Received date/time: 04/12/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2489100	1	04/12/25 21:30	04/12/25 21:30	JTM	Mt. Juliet, TN
Calculated Results	WG2489257	1	04/13/25 08:30	04/13/25 19:04	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2488960	1	04/12/25 12:16	04/12/25 12:28	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2489647	20	04/13/25 08:30	04/13/25 18:22	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2489257	20	04/13/25 08:30	04/13/25 19:04	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2489203	1	04/12/25 18:00	04/12/25 21:02	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2489000	1	04/12/25 14:33	04/12/25 17:33	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2489007	10	04/12/25 14:00	04/13/25 14:19	DLS	Mt. Juliet, TN
Mercury by Method 7471B	WG2489004	1	04/12/25 13:49	04/12/25 15:29	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2489008	1	04/12/25 13:50	04/12/25 15:42	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2488833	1	04/12/25 12:49	04/12/25 14:52	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2488956	1	04/12/25 12:49	04/12/25 14:24	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2488965	13.5	04/12/25 18:08	04/12/25 21:15	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2488964	2	04/12/25 16:39	04/12/25 18:47	JRM	Mt. Juliet, TN

GACO0411S003 L1847156-03 Solid

Collected by: Lisa Howes | Collected date/time: 04/11/25 16:40 | Received date/time: 04/12/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2489100	1	04/12/25 21:31	04/12/25 21:31	JTM	Mt. Juliet, TN
Calculated Results	WG2489257	1	04/13/25 08:30	04/13/25 19:05	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2488960	1	04/12/25 12:16	04/12/25 12:28	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2489647	10	04/13/25 08:30	04/13/25 18:23	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2489257	2	04/13/25 08:30	04/13/25 19:05	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2489203	1	04/12/25 18:00	04/12/25 21:02	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2489000	1	04/12/25 14:33	04/12/25 17:49	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2489007	2	04/12/25 14:00	04/13/25 14:20	DLS	Mt. Juliet, TN
Mercury by Method 7471B	WG2489004	1	04/12/25 13:49	04/12/25 15:31	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2489008	1	04/12/25 13:50	04/12/25 15:32	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2488833	1	04/12/25 12:49	04/12/25 15:17	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2488956	1	04/12/25 12:49	04/12/25 14:44	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2488965	2.66	04/12/25 18:08	04/12/25 20:06	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2488964	2	04/12/25 16:39	04/12/25 19:08	JRM	Mt. Juliet, TN

GACO0411S004 L1847156-04 Solid

Collected by: Lisa Howes | Collected date/time: 04/11/25 16:50 | Received date/time: 04/12/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2489100	1	04/12/25 21:33	04/12/25 21:33	JTM	Mt. Juliet, TN
Calculated Results	WG2489257	1	04/13/25 08:30	04/13/25 18:29	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2488960	1	04/12/25 12:16	04/12/25 12:28	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2489647	2	04/13/25 08:30	04/13/25 18:24	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2489257	1	04/13/25 08:30	04/13/25 18:29	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2489203	1	04/12/25 18:00	04/12/25 21:02	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2489000	1	04/12/25 14:33	04/12/25 18:06	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2489007	2	04/12/25 14:00	04/13/25 14:20	DLS	Mt. Juliet, TN
Mercury by Method 7471B	WG2489004	1	04/12/25 13:49	04/12/25 15:34	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2489008	1	04/12/25 13:50	04/12/25 15:44	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2488833	1	04/12/25 12:49	04/12/25 15:44	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2488956	1	04/12/25 12:49	04/12/25 15:03	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2488965	2.86	04/12/25 18:08	04/12/25 19:52	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2488964	1	04/12/25 16:39	04/12/25 18:07	JRM	Mt. Juliet, TN

GACO0411S005 L1847156-05 Solid

Collected by: Lisa Howes | Collected date/time: 04/11/25 17:05 | Received date/time: 04/12/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2489100	1	04/12/25 21:35	04/12/25 21:35	JTM	Mt. Juliet, TN
Calculated Results	WG2489257	1	04/13/25 08:30	04/13/25 18:42	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2488960	1	04/12/25 12:16	04/12/25 12:28	MT	Mt. Juliet, TN
Wet Chemistry by Method 365.4M	WG2489647	20	04/13/25 08:30	04/13/25 18:26	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2489257	5	04/13/25 08:30	04/13/25 18:42	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2489203	1	04/12/25 18:00	04/12/25 21:02	BRT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2489000	1	04/12/25 14:33	04/12/25 18:22	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2489007	10	04/12/25 14:00	04/13/25 14:21	DLS	Mt. Juliet, TN
Mercury by Method 7471B	WG2489004	1	04/12/25 13:49	04/12/25 15:42	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2489008	1	04/12/25 13:50	04/12/25 15:50	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2488833	1	04/12/25 12:49	04/12/25 16:08	AEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2488956	1	04/12/25 12:49	04/12/25 15:23	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2488965	2.85	04/12/25 18:08	04/12/25 19:38	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2488964	2	04/12/25 16:39	04/12/25 18:27	JRM	Mt. Juliet, TN

GACO0411T001 L1847156-06 GW

Collected by: Lisa Howes | Collected date/time: 04/11/25 00:00 | Received date/time: 04/12/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2488853	1	04/12/25 13:59	04/12/25 13:59	ACG	Mt. Juliet, TN

GACO0411T002 L1847156-07 GW

Collected by: Lisa Howes | Collected date/time: 04/11/25 00:00 | Received date/time: 04/12/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2488853	1	04/12/25 14:18	04/12/25 14:18	ACG	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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.

Jared Starkey
Project Manager

Wet Chemistry by Method 365.4M

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2489647	(MS) R4198922-3, (MSD) R4198922-4	Phosphorus,Total

Wet Chemistry by Method 4500NOrg D-2021

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2489257	(DUP) R4198943-5	Kjeldahl Nitrogen, TKN

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG2489257	(MSD) R4198943-4	Kjeldahl Nitrogen, TKN

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2489257	(MS) R4198943-3	Kjeldahl Nitrogen, TKN

Wet Chemistry by Method 9056A

RPD value not applicable for sample concentrations less than 5 times the reporting limit.

Batch	Lab Sample ID	Analytes
WG2489000	(DUP) R4198772-3, L1847156-01	Nitrate as (N) and Sulfate

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2489000	(MSD) R4198772-5, L1847156-01	Fluoride

Wet Chemistry by Method WALKLEY-BLACK

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG2489007	(MS) R4198863-4, (MSD) R4198863-5, L1847156-03	TOC By Walkley Black

Metals (ICP) by Method 6010D

The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG2489008	(MS) R4198717-5, (MSD) R4198717-6, L1847156-03	Aluminum and Iron

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG2489008	(MS) R4198717-5, (MSD) R4198717-6, L1847156-03	Calcium

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2489008	(MS) R4198717-5, (MSD) R4198717-6, L1847156-03	Manganese

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

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2488833	TPH (GC/FID) Low Fraction	L1847156-01, 02, 03, 04, 05

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

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2488853	L1847156-06	1,1-Dichloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Chloromethane, Hexachloro-1,3-butadiene, Naphthalene and n-Butylbenzene
WG2488853	L1847156-07	1,1-Dichloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Chloromethane, Hexachloro-1,3-butadiene, Naphthalene and n-Butylbenzene
WG2488956	L1847156-01	Naphthalene
WG2488956	L1847156-02	Naphthalene
WG2488956	L1847156-03	Naphthalene
WG2488956	L1847156-04	Naphthalene
WG2488956	L1847156-05	Naphthalene

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2488956	(LCS) R4198740-1, L1847156-01, 02, 03, 04, 05	Bromomethane and Hexachloro-1,3-butadiene

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

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2488964	L1847156-01	2,2-Oxybis(1-Chloropropane) and Bis(2-chloroethyl)ether
WG2488964	L1847156-02	2,2-Oxybis(1-Chloropropane) and Bis(2-chloroethyl)ether
WG2488964	L1847156-03	2,2-Oxybis(1-Chloropropane) and Bis(2-chloroethyl)ether
WG2488964	L1847156-04	2,2-Oxybis(1-Chloropropane) and Bis(2-chloroethyl)ether
WG2488964	L1847156-05	2,2-Oxybis(1-Chloropropane) and Bis(2-chloroethyl)ether

The initial calibration verification standard (SSCV) associated with this data responded high.

Batch	Lab Sample ID	Analytes
WG2488964	L1847156-01	Benzidine and Hexachlorocyclopentadiene
WG2488964	L1847156-02	Benzidine and Hexachlorocyclopentadiene
WG2488964	L1847156-03	Benzidine and Hexachlorocyclopentadiene
WG2488964	L1847156-04	Benzidine and Hexachlorocyclopentadiene
WG2488964	L1847156-05	Benzidine and Hexachlorocyclopentadiene

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

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2488964	(MS) R4198785-3, (MSD) R4198785-4, L1847156-01	Hexachlorocyclopentadiene

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2488964	(MSD) R4198785-4, L1847156-01	Hexachlorocyclopentadiene

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	4.55		1	04/12/2025 21:28	WG2489100

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	539000		668	11000	1	04/13/2025 18:25	WG2489257

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.8		1	04/12/2025 12:28	WG2488960

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus,Total	322000		35300	44100	2	04/13/2025 18:21	WG2489647

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	538000		16700	22000	1	04/13/2025 18:25	WG2489257

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	641	umhos/cm		10.0	1	04/12/2025 21:02	WG2489203

Sample Narrative:

L1847156-01 WG2489203: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4520	11000	1	04/12/2025 16:28	WG2489000
Chloride	60200		7000	22000	1	04/12/2025 16:28	WG2489000
Fluoride	6440	J6	778	2200	1	04/12/2025 16:28	WG2489000
Nitrate as (N)	1670	J P1	1050	11000	1	04/12/2025 16:28	WG2489000
Nitrite as (N)	U		668	11000	1	04/12/2025 16:28	WG2489000
Sulfate	32900	J P1	9080	55100	1	04/12/2025 16:28	WG2489000

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	6480000		128000	500000	5	04/13/2025 14:19	WG2489007

Mercury by Method 7471B

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Mercury	U		22.7	44.1	1	04/12/2025 15:18	WG2489004

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	9100000		6700	22000	1	04/12/2025 15:40	WG2489008
Antimony	U		761	2200	1	04/12/2025 15:40	WG2489008
Arsenic	5120		922	2200	1	04/12/2025 15:40	WG2489008
Barium	103000		93.7	551	1	04/12/2025 15:40	WG2489008
Beryllium	543		52.6	220	1	04/12/2025 15:40	WG2489008
Cadmium	313	J	72.0	551	1	04/12/2025 15:40	WG2489008
Calcium	19500000		20900	110000	1	04/12/2025 15:40	WG2489008
Chromium	10800		236	1100	1	04/12/2025 15:40	WG2489008
Cobalt	4520		195	1100	1	04/12/2025 15:40	WG2489008
Copper	9120		393	2200	1	04/12/2025 15:40	WG2489008
Iron	14600000		2470	11000	1	04/12/2025 15:40	WG2489008
Lead	10800		359	551	1	04/12/2025 15:40	WG2489008
Magnesium	4130000		21900	110000	1	04/12/2025 15:40	WG2489008
Manganese	293000		191	1100	1	04/12/2025 15:40	WG2489008
Nickel	10100		220	2200	1	04/12/2025 15:40	WG2489008
Potassium	2100000		23000	110000	1	04/12/2025 15:40	WG2489008
Selenium	U		1180	2200	1	04/12/2025 15:40	WG2489008
Silver	U		140	1100	1	04/12/2025 15:40	WG2489008
Sodium	871000		45400	110000	1	04/12/2025 15:40	WG2489008
Thallium	U		571	2200	1	04/12/2025 15:40	WG2489008
Vanadium	25300		422	2200	1	04/12/2025 15:40	WG2489008
Zinc	45900		1070	5510	1	04/12/2025 15:40	WG2489008

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	30.7	B J	23.9	110	1	04/12/2025 14:22	WG2488833
(S) a,a,a-Trifluorotoluene(FID)	*97.1*			*77.0-120*		*04/12/2025 14:22*	WG2488833

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	U		43.9	60.2	1	04/12/2025 14:04	WG2488956
Acrylonitrile	U		4.35	15.0	1	04/12/2025 14:04	WG2488956
Benzene	U		0.562	1.20	1	04/12/2025 14:04	WG2488956
Bromobenzene	U		1.08	15.0	1	04/12/2025 14:04	WG2488956
Bromodichloromethane	U		0.873	3.01	1	04/12/2025 14:04	WG2488956
Bromoform	U		1.41	30.1	1	04/12/2025 14:04	WG2488956
Bromomethane	U	J4	2.37	15.0	1	04/12/2025 14:04	WG2488956
n-Butylbenzene	U		6.32	15.0	1	04/12/2025 14:04	WG2488956
sec-Butylbenzene	U		3.47	15.0	1	04/12/2025 14:04	WG2488956
tert-Butylbenzene	U		2.35	6.02	1	04/12/2025 14:04	WG2488956
Carbon tetrachloride	U		1.08	6.02	1	04/12/2025 14:04	WG2488956
Chlorobenzene	U		0.253	3.01	1	04/12/2025 14:04	WG2488956
Chlorodibromomethane	U		0.737	3.01	1	04/12/2025 14:04	WG2488956
Chloroethane	U		2.05	6.02	1	04/12/2025 14:04	WG2488956
Chloroform	U		1.24	3.01	1	04/12/2025 14:04	WG2488956
Chloromethane	U		5.24	15.0	1	04/12/2025 14:04	WG2488956
2-Chlorotoluene	U		1.04	3.01	1	04/12/2025 14:04	WG2488956
4-Chlorotoluene	U		0.542	6.02	1	04/12/2025 14:04	WG2488956
1,2-Dibromo-3-Chloropropane	U		4.70	30.1	1	04/12/2025 14:04	WG2488956
1,2-Dibromoethane	U		0.780	3.01	1	04/12/2025 14:04	WG2488956
Dibromomethane	U		0.903	6.02	1	04/12/2025 14:04	WG2488956
1,2-Dichlorobenzene	U		0.512	6.02	1	04/12/2025 14:04	WG2488956
1,3-Dichlorobenzene	U		0.722	6.02	1	04/12/2025 14:04	WG2488956

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.843	6.02	1	04/12/2025 14:04	WG2488956
Dichlorodifluoromethane	U		1.94	6.02	1	04/12/2025 14:04	WG2488956
1,1-Dichloroethane	U		0.591	3.01	1	04/12/2025 14:04	WG2488956
1,2-Dichloroethane	U		0.781	3.01	1	04/12/2025 14:04	WG2488956
1,1-Dichloroethene	U		0.730	3.01	1	04/12/2025 14:04	WG2488956
cis-1,2-Dichloroethene	U		0.884	3.01	1	04/12/2025 14:04	WG2488956
trans-1,2-Dichloroethene	U		1.25	6.02	1	04/12/2025 14:04	WG2488956
1,2-Dichloropropane	U		1.71	6.02	1	04/12/2025 14:04	WG2488956
1,1-Dichloropropene	U		0.974	3.01	1	04/12/2025 14:04	WG2488956
1,3-Dichloropropane	U		0.603	6.02	1	04/12/2025 14:04	WG2488956
cis-1,3-Dichloropropene	U		0.911	3.01	1	04/12/2025 14:04	WG2488956
trans-1,3-Dichloropropene	U		1.37	6.02	1	04/12/2025 14:04	WG2488956
2,2-Dichloropropane	U		1.66	3.01	1	04/12/2025 14:04	WG2488956
Di-isopropyl ether	U		0.494	1.20	1	04/12/2025 14:04	WG2488956
Ethylbenzene	U		0.887	3.01	1	04/12/2025 14:04	WG2488956
Hexachloro-1,3-butadiene	U	J4	7.22	30.1	1	04/12/2025 14:04	WG2488956
Isopropylbenzene	U		0.512	3.01	1	04/12/2025 14:04	WG2488956
p-Isopropyltoluene	U		3.07	6.02	1	04/12/2025 14:04	WG2488956
2-Butanone (MEK)	U		76.5	120	1	04/12/2025 14:04	WG2488956
Methylene Chloride	U		7.99	30.1	1	04/12/2025 14:04	WG2488956
4-Methyl-2-pentanone (MIBK)	U		2.74	30.1	1	04/12/2025 14:04	WG2488956
Methyl tert-butyl ether	U		0.421	1.20	1	04/12/2025 14:04	WG2488956
Naphthalene	U	C3	5.88	15.0	1	04/12/2025 14:04	WG2488956
n-Propylbenzene	U		1.14	6.02	1	04/12/2025 14:04	WG2488956
Styrene	U		0.276	15.0	1	04/12/2025 14:04	WG2488956
1,1,1,2-Tetrachloroethane	U		1.14	3.01	1	04/12/2025 14:04	WG2488956
1,1,2,2-Tetrachloroethane	U		0.837	3.01	1	04/12/2025 14:04	WG2488956
1,1,2-Trichlorotrifluoroethane	U		0.908	3.01	1	04/12/2025 14:04	WG2488956
Tetrachloroethene	U		1.08	3.01	1	04/12/2025 14:04	WG2488956
Toluene	U		1.57	6.02	1	04/12/2025 14:04	WG2488956
1,2,3-Trichlorobenzene	U		8.82	15.0	1	04/12/2025 14:04	WG2488956
1,2,4-Trichlorobenzene	U		5.30	15.0	1	04/12/2025 14:04	WG2488956
1,1,1-Trichloroethane	U		1.11	3.01	1	04/12/2025 14:04	WG2488956
1,1,2-Trichloroethane	U		0.719	3.01	1	04/12/2025 14:04	WG2488956
Trichloroethene	U		0.703	1.20	1	04/12/2025 14:04	WG2488956
Trichlorofluoromethane	U		0.996	3.01	1	04/12/2025 14:04	WG2488956
1,2,3-Trichloropropane	U		1.95	15.0	1	04/12/2025 14:04	WG2488956
1,2,4-Trimethylbenzene	U		1.90	6.02	1	04/12/2025 14:04	WG2488956
1,2,3-Trimethylbenzene	U		1.90	6.02	1	04/12/2025 14:04	WG2488956
1,3,5-Trimethylbenzene	U		2.41	6.02	1	04/12/2025 14:04	WG2488956
Vinyl chloride	U		1.40	3.01	1	04/12/2025 14:04	WG2488956
Xylenes, Total	U		1.06	7.83	1	04/12/2025 14:04	WG2488956
(S) Toluene-d8	*102*			*75.0-131*		*04/12/2025 14:04*	WG2488956
(S) 4-Bromofluorobenzene	*94.3*			*67.0-138*		*04/12/2025 14:04*	WG2488956
(S) 1,2-Dichloroethane-d4	*93.2*			*70.0-130*		*04/12/2025 14:04*	WG2488956

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		8870	22000	5	04/12/2025 21:01	WG2488965
C28-C36 Motor Oil Range	59100		1510	22000	5	04/12/2025 21:01	WG2488965
(S) o-Terphenyl	*48.0*			*18.0-148*		*04/12/2025 21:01*	WG2488965

Sample Narrative:

L1847156-01 WG2488965: Cannot run at lower dilution due to viscosity of extract.

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		11.9	73.4	2	04/12/2025 19:28	WG2488964
Acenaphthylene	U		10.3	73.4	2	04/12/2025 19:28	WG2488964
Anthracene	U		13.1	73.4	2	04/12/2025 19:28	WG2488964
Benzidine	U	C7	138	3680	2	04/12/2025 19:28	WG2488964
Benzo(a)anthracene	45.0	J	12.9	73.4	2	04/12/2025 19:28	WG2488964
Benzo(b)fluoranthene	101		13.7	73.4	2	04/12/2025 19:28	WG2488964
Benzo(k)fluoranthene	30.4	J	13.0	73.4	2	04/12/2025 19:28	WG2488964
Benzo(g,h,i)perylene	70.7	J	13.4	73.4	2	04/12/2025 19:28	WG2488964
Benzo(a)pyrene	68.1	J	13.7	73.4	2	04/12/2025 19:28	WG2488964
Bis(2-chlorethoxy)methane	U		22.0	734	2	04/12/2025 19:28	WG2488964
Bis(2-chloroethyl)ether	U	C3	24.2	734	2	04/12/2025 19:28	WG2488964
2,2-Oxybis(1-Chloropropane)	U	C3	31.7	734	2	04/12/2025 19:28	WG2488964
4-Bromophenyl-phenylether	U		25.8	734	2	04/12/2025 19:28	WG2488964
2-Chloronaphthalene	U		12.9	73.4	2	04/12/2025 19:28	WG2488964
4-Chlorophenyl-phenylether	U		25.6	734	2	04/12/2025 19:28	WG2488964
Chrysene	48.3	J	14.5	73.4	2	04/12/2025 19:28	WG2488964
Dibenz(a,h)anthracene	U		20.4	73.4	2	04/12/2025 19:28	WG2488964
1,2-Dichlorobenzene	U		21.7	734	2	04/12/2025 19:28	WG2488964
1,3-Dichlorobenzene	U		22.3	734	2	04/12/2025 19:28	WG2488964
1,4-Dichlorobenzene	U		21.8	734	2	04/12/2025 19:28	WG2488964
3,3-Dichlorobenzidine	U		27.1	734	2	04/12/2025 19:28	WG2488964
2,4-Dinitrotoluene	U		21.0	734	2	04/12/2025 19:28	WG2488964
2,6-Dinitrotoluene	U		24.0	734	2	04/12/2025 19:28	WG2488964
Fluoranthene	73.2	J	13.2	73.4	2	04/12/2025 19:28	WG2488964
Fluorene	U		11.9	73.4	2	04/12/2025 19:28	WG2488964
Hexachlorobenzene	U		26.0	734	2	04/12/2025 19:28	WG2488964
Hexachloro-1,3-butadiene	U		24.7	734	2	04/12/2025 19:28	WG2488964
Hexachlorocyclopentadiene	U	C7 J3 J6	38.6	734	2	04/12/2025 19:28	WG2488964
Hexachloroethane	U		28.9	734	2	04/12/2025 19:28	WG2488964
Indeno(1,2,3-cd)pyrene	71.1	J	20.7	73.4	2	04/12/2025 19:28	WG2488964
Isophorone	U		22.5	734	2	04/12/2025 19:28	WG2488964
Naphthalene	U		18.4	73.4	2	04/12/2025 19:28	WG2488964
Nitrobenzene	U		25.6	734	2	04/12/2025 19:28	WG2488964
n-Nitrosodimethylamine	U		109	734	2	04/12/2025 19:28	WG2488964
n-Nitrosodiphenylamine	U		55.5	734	2	04/12/2025 19:28	WG2488964
n-Nitrosodi-n-propylamine	U		24.5	734	2	04/12/2025 19:28	WG2488964
Phenanthrene	23.5	J	14.5	73.4	2	04/12/2025 19:28	WG2488964
Benzylbutyl phthalate	U		22.9	734	2	04/12/2025 19:28	WG2488964
Bis(2-ethylhexyl)phthalate	U		93.0	734	2	04/12/2025 19:28	WG2488964
Di-n-butyl phthalate	U		25.1	734	2	04/12/2025 19:28	WG2488964
Diethyl phthalate	U		24.2	734	2	04/12/2025 19:28	WG2488964
Dimethyl phthalate	U		155	734	2	04/12/2025 19:28	WG2488964
Di-n-octyl phthalate	U		49.6	734	2	04/12/2025 19:28	WG2488964
Pyrene	66.0	J	14.3	73.4	2	04/12/2025 19:28	WG2488964
1,2,4-Trichlorobenzene	U		22.9	734	2	04/12/2025 19:28	WG2488964
4-Chloro-3-methylphenol	U		23.8	734	2	04/12/2025 19:28	WG2488964
2-Chlorophenol	U		24.2	734	2	04/12/2025 19:28	WG2488964
2,4-Dichlorophenol	U		21.4	734	2	04/12/2025 19:28	WG2488964
2,4-Dimethylphenol	U		19.2	734	2	04/12/2025 19:28	WG2488964
4,6-Dinitro-2-methylphenol	U		166	734	2	04/12/2025 19:28	WG2488964
2,4-Dinitrophenol	U		172	734	2	04/12/2025 19:28	WG2488964
2-Nitrophenol	U		26.2	734	2	04/12/2025 19:28	WG2488964
4-Nitrophenol	U		22.9	734	2	04/12/2025 19:28	WG2488964
Pentachlorophenol	U		19.7	734	2	04/12/2025 19:28	WG2488964
Phenol	U		29.5	734	2	04/12/2025 19:28	WG2488964
2,4,6-Trichlorophenol	U		23.6	734	2	04/12/2025 19:28	WG2488964

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*81.6*			*12.0-120*		*04/12/2025 19:28*	WG2488964
(S) Phenol-d5	*74.6*			*10.0-120*		*04/12/2025 19:28*	WG2488964
(S) Nitrobenzene-d5	*76.8*			*10.0-122*		*04/12/2025 19:28*	WG2488964
(S) 2-Fluorobiphenyl	*81.1*			*15.0-120*		*04/12/2025 19:28*	WG2488964
(S) 2,4,6-Tribromophenol	*94.7*			*10.0-127*		*04/12/2025 19:28*	WG2488964
(S) p-Terphenyl-d14	*86.7*			*10.0-120*		*04/12/2025 19:28*	WG2488964

Sample Narrative:

L1847156-01 WG2488964: Dilution due to matrix impact during extract concentration procedure.

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	15.4		1	04/12/2025 21:30	WG2489100

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	7100000		675	11100	1	04/13/2025 19:04	WG2489257

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.7		1	04/12/2025 12:28	WG2488960

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus,Total	1260000		357000	446000	20	04/13/2025 18:22	WG2489647

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	7080000		339000	446000	20	04/13/2025 19:04	WG2489257

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	3110	umhos/cm		10.0	1	04/12/2025 21:02	WG2489203

Sample Narrative:

L1847156-02 WG2489203: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4570	11100	1	04/12/2025 17:33	WG2489000
Chloride	183000		7080	22300	1	04/12/2025 17:33	WG2489000
Fluoride	7800		787	2230	1	04/12/2025 17:33	WG2489000
Nitrate as (N)	19200		1060	11100	1	04/12/2025 17:33	WG2489000
Nitrite as (N)	920	J	675	11100	1	04/12/2025 17:33	WG2489000
Sulfate	680000		9180	55700	1	04/12/2025 17:33	WG2489000

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	41800000		255000	1000000	10	04/13/2025 14:19	WG2489007

Mercury by Method 7471B

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Mercury	U		23.0	44.6	1	04/12/2025 15:29	WG2489004

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	4720000		6780	22300	1	04/12/2025 15:42	WG2489008
Antimony	U		770	2230	1	04/12/2025 15:42	WG2489008
Arsenic	2440		933	2230	1	04/12/2025 15:42	WG2489008
Barium	60100		94.7	557	1	04/12/2025 15:42	WG2489008
Beryllium	312		53.2	223	1	04/12/2025 15:42	WG2489008
Cadmium	253	J	72.8	557	1	04/12/2025 15:42	WG2489008
Calcium	7430000		21200	111000	1	04/12/2025 15:42	WG2489008
Chromium	6510		239	1110	1	04/12/2025 15:42	WG2489008
Cobalt	2820		197	1110	1	04/12/2025 15:42	WG2489008
Copper	9670		398	2230	1	04/12/2025 15:42	WG2489008
Iron	7000000		2500	11100	1	04/12/2025 15:42	WG2489008
Lead	6680		363	557	1	04/12/2025 15:42	WG2489008
Magnesium	2000000		22200	111000	1	04/12/2025 15:42	WG2489008
Manganese	167000		193	1110	1	04/12/2025 15:42	WG2489008
Nickel	5370		223	2230	1	04/12/2025 15:42	WG2489008
Potassium	1760000		23300	111000	1	04/12/2025 15:42	WG2489008
Selenium	U		1190	2230	1	04/12/2025 15:42	WG2489008
Silver	U		142	1110	1	04/12/2025 15:42	WG2489008
Sodium	1890000		45900	111000	1	04/12/2025 15:42	WG2489008
Thallium	U		577	2230	1	04/12/2025 15:42	WG2489008
Vanadium	12300		427	2230	1	04/12/2025 15:42	WG2489008
Zinc	48900		1090	5570	1	04/12/2025 15:42	WG2489008

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	41.5	B J	24.2	111	1	04/12/2025 14:52	WG2488833
(S) a,a,a-Trifluorotoluene(FID)	*96.0*			*77.0-120*		*04/12/2025 14:52*	WG2488833

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	U		44.9	61.5	1	04/12/2025 14:24	WG2488956
Acrylonitrile	U		4.44	15.4	1	04/12/2025 14:24	WG2488956
Benzene	U		0.574	1.23	1	04/12/2025 14:24	WG2488956
Bromobenzene	U		1.11	15.4	1	04/12/2025 14:24	WG2488956
Bromodichloromethane	U		0.892	3.07	1	04/12/2025 14:24	WG2488956
Bromoform	U		1.44	30.7	1	04/12/2025 14:24	WG2488956
Bromomethane	U	J4	2.42	15.4	1	04/12/2025 14:24	WG2488956
n-Butylbenzene	U		6.46	15.4	1	04/12/2025 14:24	WG2488956
sec-Butylbenzene	U		3.54	15.4	1	04/12/2025 14:24	WG2488956
tert-Butylbenzene	U		2.40	6.15	1	04/12/2025 14:24	WG2488956
Carbon tetrachloride	U		1.10	6.15	1	04/12/2025 14:24	WG2488956
Chlorobenzene	U		0.258	3.07	1	04/12/2025 14:24	WG2488956
Chlorodibromomethane	U		0.753	3.07	1	04/12/2025 14:24	WG2488956
Chloroethane	U		2.09	6.15	1	04/12/2025 14:24	WG2488956
Chloroform	U		1.27	3.07	1	04/12/2025 14:24	WG2488956
Chloromethane	U		5.35	15.4	1	04/12/2025 14:24	WG2488956
2-Chlorotoluene	U		1.06	3.07	1	04/12/2025 14:24	WG2488956
4-Chlorotoluene	U		0.553	6.15	1	04/12/2025 14:24	WG2488956
1,2-Dibromo-3-Chloropropane	U		4.80	30.7	1	04/12/2025 14:24	WG2488956
1,2-Dibromoethane	U		0.797	3.07	1	04/12/2025 14:24	WG2488956
Dibromomethane	U		0.922	6.15	1	04/12/2025 14:24	WG2488956
1,2-Dichlorobenzene	U		0.523	6.15	1	04/12/2025 14:24	WG2488956
1,3-Dichlorobenzene	U		0.738	6.15	1	04/12/2025 14:24	WG2488956

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.861	6.15	1	04/12/2025 14:24	WG2488956
Dichlorodifluoromethane	U		1.98	6.15	1	04/12/2025 14:24	WG2488956
1,1-Dichloroethane	U		0.604	3.07	1	04/12/2025 14:24	WG2488956
1,2-Dichloroethane	U		0.798	3.07	1	04/12/2025 14:24	WG2488956
1,1-Dichloroethene	U		0.745	3.07	1	04/12/2025 14:24	WG2488956
cis-1,2-Dichloroethene	U		0.903	3.07	1	04/12/2025 14:24	WG2488956
trans-1,2-Dichloroethene	U		1.28	6.15	1	04/12/2025 14:24	WG2488956
1,2-Dichloropropane	U		1.75	6.15	1	04/12/2025 14:24	WG2488956
1,1-Dichloropropene	U		0.995	3.07	1	04/12/2025 14:24	WG2488956
1,3-Dichloropropane	U		0.616	6.15	1	04/12/2025 14:24	WG2488956
cis-1,3-Dichloropropene	U		0.931	3.07	1	04/12/2025 14:24	WG2488956
trans-1,3-Dichloropropene	U		1.40	6.15	1	04/12/2025 14:24	WG2488956
2,2-Dichloropropane	U		1.70	3.07	1	04/12/2025 14:24	WG2488956
Di-isopropyl ether	U		0.504	1.23	1	04/12/2025 14:24	WG2488956
Ethylbenzene	U		0.906	3.07	1	04/12/2025 14:24	WG2488956
Hexachloro-1,3-butadiene	U	J4	7.38	30.7	1	04/12/2025 14:24	WG2488956
Isopropylbenzene	U		0.523	3.07	1	04/12/2025 14:24	WG2488956
p-Isopropyltoluene	U		3.14	6.15	1	04/12/2025 14:24	WG2488956
2-Butanone (MEK)	U		78.1	123	1	04/12/2025 14:24	WG2488956
Methylene Chloride	U		8.17	30.7	1	04/12/2025 14:24	WG2488956
4-Methyl-2-pentanone (MIBK)	U		2.80	30.7	1	04/12/2025 14:24	WG2488956
Methyl tert-butyl ether	U		0.430	1.23	1	04/12/2025 14:24	WG2488956
Naphthalene	U	C3	6.00	15.4	1	04/12/2025 14:24	WG2488956
n-Propylbenzene	U		1.17	6.15	1	04/12/2025 14:24	WG2488956
Styrene	U		0.282	15.4	1	04/12/2025 14:24	WG2488956
1,1,1,2-Tetrachloroethane	U		1.17	3.07	1	04/12/2025 14:24	WG2488956
1,1,2,2-Tetrachloroethane	U		0.855	3.07	1	04/12/2025 14:24	WG2488956
1,1,2-Trichlorotrifluoroethane	U		0.927	3.07	1	04/12/2025 14:24	WG2488956
Tetrachloroethene	U		1.10	3.07	1	04/12/2025 14:24	WG2488956
Toluene	U		1.60	6.15	1	04/12/2025 14:24	WG2488956
1,2,3-Trichlorobenzene	U		9.01	15.4	1	04/12/2025 14:24	WG2488956
1,2,4-Trichlorobenzene	U		5.41	15.4	1	04/12/2025 14:24	WG2488956
1,1,1-Trichloroethane	U		1.14	3.07	1	04/12/2025 14:24	WG2488956
1,1,2-Trichloroethane	U		0.734	3.07	1	04/12/2025 14:24	WG2488956
Trichloroethene	U		0.718	1.23	1	04/12/2025 14:24	WG2488956
Trichlorofluoromethane	U		1.02	3.07	1	04/12/2025 14:24	WG2488956
1,2,3-Trichloropropane	U		1.99	15.4	1	04/12/2025 14:24	WG2488956
1,2,4-Trimethylbenzene	U		1.94	6.15	1	04/12/2025 14:24	WG2488956
1,2,3-Trimethylbenzene	U		1.94	6.15	1	04/12/2025 14:24	WG2488956
1,3,5-Trimethylbenzene	U		2.46	6.15	1	04/12/2025 14:24	WG2488956
Vinyl chloride	U		1.43	3.07	1	04/12/2025 14:24	WG2488956
Xylenes, Total	U		1.08	7.99	1	04/12/2025 14:24	WG2488956
(S) Toluene-d8	*102*			*75.0-131*		*04/12/2025 14:24*	WG2488956
(S) 4-Bromofluorobenzene	*94.4*			*67.0-138*		*04/12/2025 14:24*	WG2488956
(S) 1,2-Dichloroethane-d4	*91.6*			*70.0-130*		*04/12/2025 14:24*	WG2488956

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		24200	60200	13.5	04/12/2025 21:15	WG2488965
C28-C36 Motor Oil Range	206000		4120	60200	13.5	04/12/2025 21:15	WG2488965
(S) o-Terphenyl	*63.1*			*18.0-148*		*04/12/2025 21:15*	WG2488965

Sample Narrative:

L1847156-02 WG2488965: Cannot run at lower dilution due to viscosity of extract.

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		12.0	74.2	2	04/12/2025 18:47	WG2488964
Acenaphthylene	U		10.5	74.2	2	04/12/2025 18:47	WG2488964
Anthracene	15.0	J	13.3	74.2	2	04/12/2025 18:47	WG2488964
Benzidine	U	C7	139	3720	2	04/12/2025 18:47	WG2488964
Benzo(a)anthracene	195		13.0	74.2	2	04/12/2025 18:47	WG2488964
Benzo(b)fluoranthene	399		13.8	74.2	2	04/12/2025 18:47	WG2488964
Benzo(k)fluoranthene	133		13.2	74.2	2	04/12/2025 18:47	WG2488964
Benzo(g,h,i)perylene	255		13.6	74.2	2	04/12/2025 18:47	WG2488964
Benzo(a)pyrene	291		13.8	74.2	2	04/12/2025 18:47	WG2488964
Bis(2-chlorethoxy)methane	U		22.3	742	2	04/12/2025 18:47	WG2488964
Bis(2-chloroethyl)ether	U	C3	24.5	742	2	04/12/2025 18:47	WG2488964
2,2-Oxybis(1-Chloropropane)	U	C3	32.1	742	2	04/12/2025 18:47	WG2488964
4-Bromophenyl-phenylether	U		26.1	742	2	04/12/2025 18:47	WG2488964
2-Chloronaphthalene	U		13.0	74.2	2	04/12/2025 18:47	WG2488964
4-Chlorophenyl-phenylether	U		25.9	742	2	04/12/2025 18:47	WG2488964
Chrysene	201		14.7	74.2	2	04/12/2025 18:47	WG2488964
Dibenz(a,h)anthracene	51.9	J	20.6	74.2	2	04/12/2025 18:47	WG2488964
1,2-Dichlorobenzene	U		22.0	742	2	04/12/2025 18:47	WG2488964
1,3-Dichlorobenzene	U		22.5	742	2	04/12/2025 18:47	WG2488964
1,4-Dichlorobenzene	U		22.1	742	2	04/12/2025 18:47	WG2488964
3,3-Dichlorobenzidine	U		27.4	742	2	04/12/2025 18:47	WG2488964
2,4-Dinitrotoluene	U		21.3	742	2	04/12/2025 18:47	WG2488964
2,6-Dinitrotoluene	U		24.3	742	2	04/12/2025 18:47	WG2488964
Fluoranthene	317		13.4	74.2	2	04/12/2025 18:47	WG2488964
Fluorene	U		12.0	74.2	2	04/12/2025 18:47	WG2488964
Hexachlorobenzene	U		26.3	742	2	04/12/2025 18:47	WG2488964
Hexachloro-1,3-butadiene	U		25.0	742	2	04/12/2025 18:47	WG2488964
Hexachlorocyclopentadiene	U	C7	39.0	742	2	04/12/2025 18:47	WG2488964
Hexachloroethane	U		29.2	742	2	04/12/2025 18:47	WG2488964
Indeno(1,2,3-cd)pyrene	264		21.0	74.2	2	04/12/2025 18:47	WG2488964
Isophorone	U		22.7	742	2	04/12/2025 18:47	WG2488964
Naphthalene	U		18.6	74.2	2	04/12/2025 18:47	WG2488964
Nitrobenzene	U		25.9	742	2	04/12/2025 18:47	WG2488964
n-Nitrosodimethylamine	U		110	742	2	04/12/2025 18:47	WG2488964
n-Nitrosodiphenylamine	U		56.2	742	2	04/12/2025 18:47	WG2488964
n-Nitrosodi-n-propylamine	U		24.7	742	2	04/12/2025 18:47	WG2488964
Phenanthrene	67.2	J	14.7	74.2	2	04/12/2025 18:47	WG2488964
Benzylbutyl phthalate	U		23.2	742	2	04/12/2025 18:47	WG2488964
Bis(2-ethylhexyl)phthalate	U		94.1	742	2	04/12/2025 18:47	WG2488964
Di-n-butyl phthalate	U		25.4	742	2	04/12/2025 18:47	WG2488964
Diethyl phthalate	U		24.5	742	2	04/12/2025 18:47	WG2488964
Dimethyl phthalate	U		157	742	2	04/12/2025 18:47	WG2488964
Di-n-octyl phthalate	U		50.2	742	2	04/12/2025 18:47	WG2488964
Pyrene	242		14.5	74.2	2	04/12/2025 18:47	WG2488964
1,2,4-Trichlorobenzene	U		23.2	742	2	04/12/2025 18:47	WG2488964
4-Chloro-3-methylphenol	U		24.1	742	2	04/12/2025 18:47	WG2488964
2-Chlorophenol	U		24.5	742	2	04/12/2025 18:47	WG2488964
2,4-Dichlorophenol	U		21.6	742	2	04/12/2025 18:47	WG2488964
2,4-Dimethylphenol	U		19.4	742	2	04/12/2025 18:47	WG2488964
4,6-Dinitro-2-methylphenol	U		168	742	2	04/12/2025 18:47	WG2488964
2,4-Dinitrophenol	U		174	742	2	04/12/2025 18:47	WG2488964
2-Nitrophenol	U		26.5	742	2	04/12/2025 18:47	WG2488964
4-Nitrophenol	U		23.2	742	2	04/12/2025 18:47	WG2488964
Pentachlorophenol	U		20.0	742	2	04/12/2025 18:47	WG2488964
Phenol	U		29.9	742	2	04/12/2025 18:47	WG2488964
2,4,6-Trichlorophenol	U		23.9	742	2	04/12/2025 18:47	WG2488964

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*70.0*			*12.0-120*		*04/12/2025 18:47*	WG2488964
(S) Phenol-d5	*64.7*			*10.0-120*		*04/12/2025 18:47*	WG2488964
(S) Nitrobenzene-d5	*68.0*			*10.0-122*		*04/12/2025 18:47*	WG2488964
(S) 2-Fluorobiphenyl	*69.3*			*15.0-120*		*04/12/2025 18:47*	WG2488964
(S) 2,4,6-Tribromophenol	*78.5*			*10.0-127*		*04/12/2025 18:47*	WG2488964
(S) p-Terphenyl-d14	*69.6*			*10.0-120*		*04/12/2025 18:47*	WG2488964

Sample Narrative:

L1847156-02 WG2488964: Dilution due to matrix impact during extract concentration procedure.

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	3.26		1	04/12/2025 21:31	WG2489100

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	997000		671	11100	1	04/13/2025 19:05	WG2489257

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.3		1	04/12/2025 12:28	WG2488960

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus,Total	784000		177000	222000	10	04/13/2025 18:23	WG2489647

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	993000		33700	44300	2	04/13/2025 19:05	WG2489257

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	888	umhos/cm		10.0	1	04/12/2025 21:02	WG2489203

Sample Narrative:

L1847156-03 WG2489203: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4540	11100	1	04/12/2025 17:49	WG2489000
Chloride	49300		7040	22200	1	04/12/2025 17:49	WG2489000
Fluoride	6670		782	2220	1	04/12/2025 17:49	WG2489000
Nitrate as (N)	4460	J	1050	11100	1	04/12/2025 17:49	WG2489000
Nitrite as (N)	U		671	11100	1	04/12/2025 17:49	WG2489000
Sulfate	73400		9130	55400	1	04/12/2025 17:49	WG2489000

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	6640000	J5	51000	200000	2	04/13/2025 14:20	WG2489007

Mercury by Method 7471B

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Mercury	U		22.8	44.3	1	04/12/2025 15:31	WG2489004

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	4750000	V	6740	22200	1	04/12/2025 15:32	WG2489008
Antimony	U		766	2220	1	04/12/2025 15:32	WG2489008
Arsenic	4580		927	2220	1	04/12/2025 15:32	WG2489008
Barium	51400		94.2	554	1	04/12/2025 15:32	WG2489008
Beryllium	393		52.9	222	1	04/12/2025 15:32	WG2489008
Cadmium	230	J	72.4	554	1	04/12/2025 15:32	WG2489008
Calcium	4210000	J5	21100	111000	1	04/12/2025 15:32	WG2489008
Chromium	5910		237	1110	1	04/12/2025 15:32	WG2489008
Cobalt	2780		196	1110	1	04/12/2025 15:32	WG2489008
Copper	7330		396	2220	1	04/12/2025 15:32	WG2489008
Iron	15700000	V	2480	11100	1	04/12/2025 15:32	WG2489008
Lead	6260		361	554	1	04/12/2025 15:32	WG2489008
Magnesium	1770000		22000	111000	1	04/12/2025 15:32	WG2489008
Manganese	438000	J6	192	1110	1	04/12/2025 15:32	WG2489008
Nickel	5610		222	2220	1	04/12/2025 15:32	WG2489008
Potassium	1740000		23200	111000	1	04/12/2025 15:32	WG2489008
Selenium	U		1190	2220	1	04/12/2025 15:32	WG2489008
Silver	U		141	1110	1	04/12/2025 15:32	WG2489008
Sodium	541000		45600	111000	1	04/12/2025 15:32	WG2489008
Thallium	U		574	2220	1	04/12/2025 15:32	WG2489008
Vanadium	19400		424	2220	1	04/12/2025 15:32	WG2489008
Zinc	40000		1080	5540	1	04/12/2025 15:32	WG2489008

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	27.6	B J	24.0	111	1	04/12/2025 15:17	WG2488833
(S) a,a,a-Trifluorotoluene(FID)	*97.5*			*77.0-120*		*04/12/2025 15:17*	WG2488833

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	U		44.4	60.8	1	04/12/2025 14:44	WG2488956
Acrylonitrile	U		4.39	15.2	1	04/12/2025 14:44	WG2488956
Benzene	U		0.568	1.22	1	04/12/2025 14:44	WG2488956
Bromobenzene	U		1.09	15.2	1	04/12/2025 14:44	WG2488956
Bromodichloromethane	U		0.882	3.04	1	04/12/2025 14:44	WG2488956
Bromoform	U		1.42	30.4	1	04/12/2025 14:44	WG2488956
Bromomethane	U	J4	2.40	15.2	1	04/12/2025 14:44	WG2488956
n-Butylbenzene	U		6.39	15.2	1	04/12/2025 14:44	WG2488956
sec-Butylbenzene	U		3.50	15.2	1	04/12/2025 14:44	WG2488956
tert-Butylbenzene	U		2.37	6.08	1	04/12/2025 14:44	WG2488956
Carbon tetrachloride	U		1.09	6.08	1	04/12/2025 14:44	WG2488956
Chlorobenzene	U		0.255	3.04	1	04/12/2025 14:44	WG2488956
Chlorodibromomethane	U		0.744	3.04	1	04/12/2025 14:44	WG2488956
Chloroethane	U		2.07	6.08	1	04/12/2025 14:44	WG2488956
Chloroform	U		1.25	3.04	1	04/12/2025 14:44	WG2488956
Chloromethane	U		5.29	15.2	1	04/12/2025 14:44	WG2488956
2-Chlorotoluene	U		1.05	3.04	1	04/12/2025 14:44	WG2488956
4-Chlorotoluene	U		0.547	6.08	1	04/12/2025 14:44	WG2488956
1,2-Dibromo-3-Chloropropane	U		4.74	30.4	1	04/12/2025 14:44	WG2488956
1,2-Dibromoethane	U		0.788	3.04	1	04/12/2025 14:44	WG2488956
Dibromomethane	U		0.912	6.08	1	04/12/2025 14:44	WG2488956
1,2-Dichlorobenzene	U		0.517	6.08	1	04/12/2025 14:44	WG2488956
1,3-Dichlorobenzene	U		0.730	6.08	1	04/12/2025 14:44	WG2488956

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.851	6.08	1	04/12/2025 14:44	WG2488956
Dichlorodifluoromethane	U		1.96	6.08	1	04/12/2025 14:44	WG2488956
1,1-Dichloroethane	U		0.597	3.04	1	04/12/2025 14:44	WG2488956
1,2-Dichloroethane	U		0.789	3.04	1	04/12/2025 14:44	WG2488956
1,1-Dichloroethene	U		0.737	3.04	1	04/12/2025 14:44	WG2488956
cis-1,2-Dichloroethene	U		0.893	3.04	1	04/12/2025 14:44	WG2488956
trans-1,2-Dichloroethene	U		1.26	6.08	1	04/12/2025 14:44	WG2488956
1,2-Dichloropropane	U		1.73	6.08	1	04/12/2025 14:44	WG2488956
1,1-Dichloropropene	U		0.984	3.04	1	04/12/2025 14:44	WG2488956
1,3-Dichloropropane	U		0.609	6.08	1	04/12/2025 14:44	WG2488956
cis-1,3-Dichloropropene	U		0.921	3.04	1	04/12/2025 14:44	WG2488956
trans-1,3-Dichloropropene	U		1.39	6.08	1	04/12/2025 14:44	WG2488956
2,2-Dichloropropane	U		1.68	3.04	1	04/12/2025 14:44	WG2488956
Di-isopropyl ether	U		0.499	1.22	1	04/12/2025 14:44	WG2488956
Ethylbenzene	U		0.896	3.04	1	04/12/2025 14:44	WG2488956
Hexachloro-1,3-butadiene	U	J4	7.30	30.4	1	04/12/2025 14:44	WG2488956
Isopropylbenzene	U		0.517	3.04	1	04/12/2025 14:44	WG2488956
p-Isopropyltoluene	U		3.10	6.08	1	04/12/2025 14:44	WG2488956
2-Butanone (MEK)	U		77.2	122	1	04/12/2025 14:44	WG2488956
Methylene Chloride	U		8.08	30.4	1	04/12/2025 14:44	WG2488956
4-Methyl-2-pentanone (MIBK)	U		2.77	30.4	1	04/12/2025 14:44	WG2488956
Methyl tert-butyl ether	U		0.426	1.22	1	04/12/2025 14:44	WG2488956
Naphthalene	U	C3	5.94	15.2	1	04/12/2025 14:44	WG2488956
n-Propylbenzene	U		1.16	6.08	1	04/12/2025 14:44	WG2488956
Styrene	U		0.279	15.2	1	04/12/2025 14:44	WG2488956
1,1,1,2-Tetrachloroethane	U		1.15	3.04	1	04/12/2025 14:44	WG2488956
1,1,2,2-Tetrachloroethane	U		0.845	3.04	1	04/12/2025 14:44	WG2488956
1,1,2-Trichlorotrifluoroethane	U		0.917	3.04	1	04/12/2025 14:44	WG2488956
Tetrachloroethene	U		1.09	3.04	1	04/12/2025 14:44	WG2488956
Toluene	U		1.58	6.08	1	04/12/2025 14:44	WG2488956
1,2,3-Trichlorobenzene	U		8.92	15.2	1	04/12/2025 14:44	WG2488956
1,2,4-Trichlorobenzene	U		5.35	15.2	1	04/12/2025 14:44	WG2488956
1,1,1-Trichloroethane	U		1.12	3.04	1	04/12/2025 14:44	WG2488956
1,1,2-Trichloroethane	U		0.726	3.04	1	04/12/2025 14:44	WG2488956
Trichloroethene	U		0.710	1.22	1	04/12/2025 14:44	WG2488956
Trichlorofluoromethane	U		1.01	3.04	1	04/12/2025 14:44	WG2488956
1,2,3-Trichloropropane	U		1.97	15.2	1	04/12/2025 14:44	WG2488956
1,2,4-Trimethylbenzene	U		1.92	6.08	1	04/12/2025 14:44	WG2488956
1,2,3-Trimethylbenzene	U		1.92	6.08	1	04/12/2025 14:44	WG2488956
1,3,5-Trimethylbenzene	U		2.43	6.08	1	04/12/2025 14:44	WG2488956
Vinyl chloride	U		1.41	3.04	1	04/12/2025 14:44	WG2488956
Xylenes, Total	U		1.07	7.91	1	04/12/2025 14:44	WG2488956
(S) Toluene-d8	*102*			*75.0-131*		*04/12/2025 14:44*	WG2488956
(S) 4-Bromofluorobenzene	*93.2*			*67.0-138*		*04/12/2025 14:44*	WG2488956
(S) 1,2-Dichloroethane-d4	*91.8*			*70.0-130*		*04/12/2025 14:44*	WG2488956

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		4740	11700	2.66	04/12/2025 20:06	WG2488965
C28-C36 Motor Oil Range	11900		808	11700	2.66	04/12/2025 20:06	WG2488965
(S) o-Terphenyl	*71.3*			*18.0-148*		*04/12/2025 20:06*	WG2488965

Sample Narrative:

L1847156-03 WG2488965: Dilution due to matrix impact during extraction procedure.

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		12.0	73.8	2	04/12/2025 19:08	WG2488964
Acenaphthylene	U		10.4	73.8	2	04/12/2025 19:08	WG2488964
Anthracene	U		13.2	73.8	2	04/12/2025 19:08	WG2488964
Benzidine	U	C7	139	3700	2	04/12/2025 19:08	WG2488964
Benzo(a)anthracene	13.1	J	13.0	73.8	2	04/12/2025 19:08	WG2488964
Benzo(b)fluoranthene	39.8	J	13.7	73.8	2	04/12/2025 19:08	WG2488964
Benzo(k)fluoranthene	U		13.1	73.8	2	04/12/2025 19:08	WG2488964
Benzo(g,h,i)perylene	33.7	J	13.5	73.8	2	04/12/2025 19:08	WG2488964
Benzo(a)pyrene	21.5	J	13.7	73.8	2	04/12/2025 19:08	WG2488964
Bis(2-chlorethoxy)methane	U		22.2	738	2	04/12/2025 19:08	WG2488964
Bis(2-chloroethyl)ether	U	C3	24.4	738	2	04/12/2025 19:08	WG2488964
2,2-Oxybis(1-Chloropropane)	U	C3	31.9	738	2	04/12/2025 19:08	WG2488964
4-Bromophenyl-phenylether	U		25.9	738	2	04/12/2025 19:08	WG2488964
2-Chloronaphthalene	U		13.0	73.8	2	04/12/2025 19:08	WG2488964
4-Chlorophenyl-phenylether	U		25.7	738	2	04/12/2025 19:08	WG2488964
Chrysene	19.7	J	14.6	73.8	2	04/12/2025 19:08	WG2488964
Dibenz(a,h)anthracene	U		20.5	73.8	2	04/12/2025 19:08	WG2488964
1,2-Dichlorobenzene	U		21.8	738	2	04/12/2025 19:08	WG2488964
1,3-Dichlorobenzene	U		22.4	738	2	04/12/2025 19:08	WG2488964
1,4-Dichlorobenzene	U		21.9	738	2	04/12/2025 19:08	WG2488964
3,3-Dichlorobenzidine	U		27.3	738	2	04/12/2025 19:08	WG2488964
2,4-Dinitrotoluene	U		21.2	738	2	04/12/2025 19:08	WG2488964
2,6-Dinitrotoluene	U		24.2	738	2	04/12/2025 19:08	WG2488964
Fluoranthene	20.2	J	13.3	73.8	2	04/12/2025 19:08	WG2488964
Fluorene	U		12.0	73.8	2	04/12/2025 19:08	WG2488964
Hexachlorobenzene	U		26.1	738	2	04/12/2025 19:08	WG2488964
Hexachloro-1,3-butadiene	U		24.8	738	2	04/12/2025 19:08	WG2488964
Hexachlorocyclopentadiene	U	C7	38.8	738	2	04/12/2025 19:08	WG2488964
Hexachloroethane	U		29.0	738	2	04/12/2025 19:08	WG2488964
Indeno(1,2,3-cd)pyrene	32.0	J	20.8	73.8	2	04/12/2025 19:08	WG2488964
Isophorone	U		22.6	738	2	04/12/2025 19:08	WG2488964
Naphthalene	U		18.5	73.8	2	04/12/2025 19:08	WG2488964
Nitrobenzene	U		25.7	738	2	04/12/2025 19:08	WG2488964
n-Nitrosodimethylamine	U		109	738	2	04/12/2025 19:08	WG2488964
n-Nitrosodiphenylamine	U		55.8	738	2	04/12/2025 19:08	WG2488964
n-Nitrosodi-n-propylamine	U		24.6	738	2	04/12/2025 19:08	WG2488964
Phenanthrene	U		14.6	73.8	2	04/12/2025 19:08	WG2488964
Benzylbutyl phthalate	U		23.0	738	2	04/12/2025 19:08	WG2488964
Bis(2-ethylhexyl)phthalate	U		93.5	738	2	04/12/2025 19:08	WG2488964
Di-n-butyl phthalate	U		25.3	738	2	04/12/2025 19:08	WG2488964
Diethyl phthalate	U		24.4	738	2	04/12/2025 19:08	WG2488964
Dimethyl phthalate	U		156	738	2	04/12/2025 19:08	WG2488964
Di-n-octyl phthalate	U		49.9	738	2	04/12/2025 19:08	WG2488964
Pyrene	17.0	J	14.4	73.8	2	04/12/2025 19:08	WG2488964
1,2,4-Trichlorobenzene	U		23.0	738	2	04/12/2025 19:08	WG2488964
4-Chloro-3-methylphenol	U		23.9	738	2	04/12/2025 19:08	WG2488964
2-Chlorophenol	U		24.4	738	2	04/12/2025 19:08	WG2488964
2,4-Dichlorophenol	U		21.5	738	2	04/12/2025 19:08	WG2488964
2,4-Dimethylphenol	U		19.3	738	2	04/12/2025 19:08	WG2488964
4,6-Dinitro-2-methylphenol	U		167	738	2	04/12/2025 19:08	WG2488964
2,4-Dinitrophenol	U		173	738	2	04/12/2025 19:08	WG2488964
2-Nitrophenol	U		26.4	738	2	04/12/2025 19:08	WG2488964
4-Nitrophenol	U		23.0	738	2	04/12/2025 19:08	WG2488964
Pentachlorophenol	U		19.8	738	2	04/12/2025 19:08	WG2488964
Phenol	U		29.7	738	2	04/12/2025 19:08	WG2488964
2,4,6-Trichlorophenol	U		23.7	738	2	04/12/2025 19:08	WG2488964

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*76.0*			*12.0-120*		*04/12/2025 19:08*	WG2488964
(S) Phenol-d5	*69.7*			*10.0-120*		*04/12/2025 19:08*	WG2488964
(S) Nitrobenzene-d5	*71.5*			*10.0-122*		*04/12/2025 19:08*	WG2488964
(S) 2-Fluorobiphenyl	*75.5*			*15.0-120*		*04/12/2025 19:08*	WG2488964
(S) 2,4,6-Tribromophenol	*92.8*			*10.0-127*		*04/12/2025 19:08*	WG2488964
(S) p-Terphenyl-d14	*79.3*			*10.0-120*		*04/12/2025 19:08*	WG2488964

Sample Narrative:

L1847156-03 WG2488964: Dilution due to matrix impact during extract concentration procedure.

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	1.58		1	04/12/2025 21:33	WG2489100

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	381000		654	10800	1	04/13/2025 18:29	WG2489257

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.6		1	04/12/2025 12:28	WG2488960

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus,Total	296000		34600	43200	2	04/13/2025 18:24	WG2489647

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	362000		16400	21600	1	04/13/2025 18:29	WG2489257

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	467	umhos/cm		10.0	1	04/12/2025 21:02	WG2489203

Sample Narrative:

L1847156-04 WG2489203: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4430	10800	1	04/12/2025 18:06	WG2489000
Chloride	12700	J	6860	21600	1	04/12/2025 18:06	WG2489000
Fluoride	6030		762	2160	1	04/12/2025 18:06	WG2489000
Nitrate as (N)	19000		1030	10800	1	04/12/2025 18:06	WG2489000
Nitrite as (N)	U		654	10800	1	04/12/2025 18:06	WG2489000
Sulfate	65100		8900	54000	1	04/12/2025 18:06	WG2489000

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	5470000		51000	200000	2	04/13/2025 14:20	WG2489007

Mercury by Method 7471B

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Mercury	U		22.2	43.2	1	04/12/2025 15:34	WG2489004

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	9120000		6560	21600	1	04/12/2025 15:44	WG2489008
Antimony	U		746	2160	1	04/12/2025 15:44	WG2489008
Arsenic	3750		904	2160	1	04/12/2025 15:44	WG2489008
Barium	113000		91.8	540	1	04/12/2025 15:44	WG2489008
Beryllium	575		51.5	216	1	04/12/2025 15:44	WG2489008
Cadmium	240	J	70.5	540	1	04/12/2025 15:44	WG2489008
Calcium	12800000		20500	108000	1	04/12/2025 15:44	WG2489008
Chromium	10400		231	1080	1	04/12/2025 15:44	WG2489008
Cobalt	4810		191	1080	1	04/12/2025 15:44	WG2489008
Copper	9700		385	2160	1	04/12/2025 15:44	WG2489008
Iron	11700000		2420	10800	1	04/12/2025 15:44	WG2489008
Lead	9740		352	540	1	04/12/2025 15:44	WG2489008
Magnesium	3710000		21500	108000	1	04/12/2025 15:44	WG2489008
Manganese	252000		187	1080	1	04/12/2025 15:44	WG2489008
Nickel	9230		216	2160	1	04/12/2025 15:44	WG2489008
Potassium	2150000		22600	108000	1	04/12/2025 15:44	WG2489008
Selenium	U		1160	2160	1	04/12/2025 15:44	WG2489008
Silver	U		137	1080	1	04/12/2025 15:44	WG2489008
Sodium	187000		44500	108000	1	04/12/2025 15:44	WG2489008
Thallium	U		559	2160	1	04/12/2025 15:44	WG2489008
Vanadium	20500		414	2160	1	04/12/2025 15:44	WG2489008
Zinc	39500		1050	5400	1	04/12/2025 15:44	WG2489008

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	40.4	B J	23.4	108	1	04/12/2025 15:44	WG2488833
(S) a,a,a-Trifluorotoluene(FID)	*97.1*			*77.0-120*		*04/12/2025 15:44*	WG2488833

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	U		42.3	58.0	1	04/12/2025 15:03	WG2488956
Acrylonitrile	U		4.19	14.5	1	04/12/2025 15:03	WG2488956
Benzene	U		0.542	1.16	1	04/12/2025 15:03	WG2488956
Bromobenzene	U		1.04	14.5	1	04/12/2025 15:03	WG2488956
Bromodichloromethane	U		0.841	2.90	1	04/12/2025 15:03	WG2488956
Bromoform	U		1.36	29.0	1	04/12/2025 15:03	WG2488956
Bromomethane	U	J4	2.28	14.5	1	04/12/2025 15:03	WG2488956
n-Butylbenzene	U		6.09	14.5	1	04/12/2025 15:03	WG2488956
sec-Butylbenzene	U		3.34	14.5	1	04/12/2025 15:03	WG2488956
tert-Butylbenzene	U		2.26	5.80	1	04/12/2025 15:03	WG2488956
Carbon tetrachloride	U		1.04	5.80	1	04/12/2025 15:03	WG2488956
Chlorobenzene	U		0.244	2.90	1	04/12/2025 15:03	WG2488956
Chlorodibromomethane	U		0.710	2.90	1	04/12/2025 15:03	WG2488956
Chloroethane	U		1.97	5.80	1	04/12/2025 15:03	WG2488956
Chloroform	U		1.19	2.90	1	04/12/2025 15:03	WG2488956
Chloromethane	U		5.05	14.5	1	04/12/2025 15:03	WG2488956
2-Chlorotoluene	U		1.00	2.90	1	04/12/2025 15:03	WG2488956
4-Chlorotoluene	U		0.522	5.80	1	04/12/2025 15:03	WG2488956
1,2-Dibromo-3-Chloropropane	U		4.52	29.0	1	04/12/2025 15:03	WG2488956
1,2-Dibromoethane	U		0.752	2.90	1	04/12/2025 15:03	WG2488956
Dibromomethane	U		0.870	5.80	1	04/12/2025 15:03	WG2488956
1,2-Dichlorobenzene	U		0.493	5.80	1	04/12/2025 15:03	WG2488956
1,3-Dichlorobenzene	U		0.696	5.80	1	04/12/2025 15:03	WG2488956

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.812	5.80	1	04/12/2025 15:03	WG2488956
Dichlorodifluoromethane	U		1.87	5.80	1	04/12/2025 15:03	WG2488956
1,1-Dichloroethane	U		0.569	2.90	1	04/12/2025 15:03	WG2488956
1,2-Dichloroethane	U		0.753	2.90	1	04/12/2025 15:03	WG2488956
1,1-Dichloroethene	U		0.703	2.90	1	04/12/2025 15:03	WG2488956
cis-1,2-Dichloroethene	U		0.851	2.90	1	04/12/2025 15:03	WG2488956
trans-1,2-Dichloroethene	U		1.21	5.80	1	04/12/2025 15:03	WG2488956
1,2-Dichloropropane	U		1.65	5.80	1	04/12/2025 15:03	WG2488956
1,1-Dichloropropene	U		0.938	2.90	1	04/12/2025 15:03	WG2488956
1,3-Dichloropropane	U		0.581	5.80	1	04/12/2025 15:03	WG2488956
cis-1,3-Dichloropropene	U		0.878	2.90	1	04/12/2025 15:03	WG2488956
trans-1,3-Dichloropropene	U		1.32	5.80	1	04/12/2025 15:03	WG2488956
2,2-Dichloropropane	U		1.60	2.90	1	04/12/2025 15:03	WG2488956
Di-isopropyl ether	U		0.476	1.16	1	04/12/2025 15:03	WG2488956
Ethylbenzene	U		0.855	2.90	1	04/12/2025 15:03	WG2488956
Hexachloro-1,3-butadiene	U	J4	6.96	29.0	1	04/12/2025 15:03	WG2488956
Isopropylbenzene	U		0.493	2.90	1	04/12/2025 15:03	WG2488956
p-Isopropyltoluene	U		2.96	5.80	1	04/12/2025 15:03	WG2488956
2-Butanone (MEK)	U		73.7	116	1	04/12/2025 15:03	WG2488956
Methylene Chloride	U		7.70	29.0	1	04/12/2025 15:03	WG2488956
4-Methyl-2-pentanone (MIBK)	U		2.64	29.0	1	04/12/2025 15:03	WG2488956
Methyl tert-butyl ether	U		0.406	1.16	1	04/12/2025 15:03	WG2488956
Naphthalene	U	C3	5.66	14.5	1	04/12/2025 15:03	WG2488956
n-Propylbenzene	U		1.10	5.80	1	04/12/2025 15:03	WG2488956
Styrene	U		0.266	14.5	1	04/12/2025 15:03	WG2488956
1,1,1,2-Tetrachloroethane	U		1.10	2.90	1	04/12/2025 15:03	WG2488956
1,1,2,2-Tetrachloroethane	U		0.806	2.90	1	04/12/2025 15:03	WG2488956
1,1,2-Trichlorotrifluoroethane	U		0.875	2.90	1	04/12/2025 15:03	WG2488956
Tetrachloroethene	U		1.04	2.90	1	04/12/2025 15:03	WG2488956
Toluene	U		1.51	5.80	1	04/12/2025 15:03	WG2488956
1,2,3-Trichlorobenzene	U		8.50	14.5	1	04/12/2025 15:03	WG2488956
1,2,4-Trichlorobenzene	U		5.10	14.5	1	04/12/2025 15:03	WG2488956
1,1,1-Trichloroethane	U		1.07	2.90	1	04/12/2025 15:03	WG2488956
1,1,2-Trichloroethane	U		0.692	2.90	1	04/12/2025 15:03	WG2488956
Trichloroethene	U		0.677	1.16	1	04/12/2025 15:03	WG2488956
Trichlorofluoromethane	U		0.959	2.90	1	04/12/2025 15:03	WG2488956
1,2,3-Trichloropropane	U		1.88	14.5	1	04/12/2025 15:03	WG2488956
1,2,4-Trimethylbenzene	U		1.83	5.80	1	04/12/2025 15:03	WG2488956
1,2,3-Trimethylbenzene	U		1.83	5.80	1	04/12/2025 15:03	WG2488956
1,3,5-Trimethylbenzene	U		2.32	5.80	1	04/12/2025 15:03	WG2488956
Vinyl chloride	U		1.35	2.90	1	04/12/2025 15:03	WG2488956
Xylenes, Total	U		1.02	7.54	1	04/12/2025 15:03	WG2488956
(S) Toluene-d8	*103*			*75.0-131*		*04/12/2025 15:03*	WG2488956
(S) 4-Bromofluorobenzene	*93.4*			*67.0-138*		*04/12/2025 15:03*	WG2488956
(S) 1,2-Dichloroethane-d4	*89.4*			*70.0-130*		*04/12/2025 15:03*	WG2488956

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		4970	12300	2.86	04/12/2025 19:52	WG2488965
C28-C36 Motor Oil Range	11200	J	847	12300	2.86	04/12/2025 19:52	WG2488965
(S) o-Terphenyl	*20.6*			*18.0-148*		*04/12/2025 19:52*	WG2488965

Sample Narrative:

L1847156-04 WG2488965: Dilution due to matrix impact during extraction procedure.

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		5.82	36.0	1	04/12/2025 18:07	WG2488964
Acenaphthylene	U		5.06	36.0	1	04/12/2025 18:07	WG2488964
Anthracene	U		6.40	36.0	1	04/12/2025 18:07	WG2488964
Benzidine	U	C7	67.6	1800	1	04/12/2025 18:07	WG2488964
Benzo(a)anthracene	U		6.34	36.0	1	04/12/2025 18:07	WG2488964
Benzo(b)fluoranthene	U		6.71	36.0	1	04/12/2025 18:07	WG2488964
Benzo(k)fluoranthene	U		6.39	36.0	1	04/12/2025 18:07	WG2488964
Benzo(g,h,i)perylene	U		6.58	36.0	1	04/12/2025 18:07	WG2488964
Benzo(a)pyrene	U		6.68	36.0	1	04/12/2025 18:07	WG2488964
Bis(2-chlorethoxy)methane	U		10.8	360	1	04/12/2025 18:07	WG2488964
Bis(2-chloroethyl)ether	U	C3	11.9	360	1	04/12/2025 18:07	WG2488964
2,2-Oxybis(1-Chloropropane)	U	C3	15.5	360	1	04/12/2025 18:07	WG2488964
4-Bromophenyl-phenylether	U		12.6	360	1	04/12/2025 18:07	WG2488964
2-Chloronaphthalene	U		6.32	36.0	1	04/12/2025 18:07	WG2488964
4-Chlorophenyl-phenylether	U		12.5	360	1	04/12/2025 18:07	WG2488964
Chrysene	U		7.15	36.0	1	04/12/2025 18:07	WG2488964
Dibenz(a,h)anthracene	U		9.97	36.0	1	04/12/2025 18:07	WG2488964
1,2-Dichlorobenzene	U		10.7	360	1	04/12/2025 18:07	WG2488964
1,3-Dichlorobenzene	U		10.9	360	1	04/12/2025 18:07	WG2488964
1,4-Dichlorobenzene	U		10.7	360	1	04/12/2025 18:07	WG2488964
3,3-Dichlorobenzidine	U		13.3	360	1	04/12/2025 18:07	WG2488964
2,4-Dinitrotoluene	U		10.3	360	1	04/12/2025 18:07	WG2488964
2,6-Dinitrotoluene	U		11.8	360	1	04/12/2025 18:07	WG2488964
Fluoranthene	U		6.49	36.0	1	04/12/2025 18:07	WG2488964
Fluorene	U		5.85	36.0	1	04/12/2025 18:07	WG2488964
Hexachlorobenzene	U		12.7	360	1	04/12/2025 18:07	WG2488964
Hexachloro-1,3-butadiene	U		12.1	360	1	04/12/2025 18:07	WG2488964
Hexachlorocyclopentadiene	U	C7	18.9	360	1	04/12/2025 18:07	WG2488964
Hexachloroethane	U		14.1	360	1	04/12/2025 18:07	WG2488964
Indeno(1,2,3-cd)pyrene	U		10.2	36.0	1	04/12/2025 18:07	WG2488964
Isophorone	U		11.0	360	1	04/12/2025 18:07	WG2488964
Naphthalene	U		9.03	36.0	1	04/12/2025 18:07	WG2488964
Nitrobenzene	U		12.5	360	1	04/12/2025 18:07	WG2488964
n-Nitrosodimethylamine	U		53.3	360	1	04/12/2025 18:07	WG2488964
n-Nitrosodiphenylamine	U		27.2	360	1	04/12/2025 18:07	WG2488964
n-Nitrosodi-n-propylamine	U		12.0	360	1	04/12/2025 18:07	WG2488964
Phenanthrene	U		7.14	36.0	1	04/12/2025 18:07	WG2488964
Benzylbutyl phthalate	U		11.2	360	1	04/12/2025 18:07	WG2488964
Bis(2-ethylhexyl)phthalate	U		45.6	360	1	04/12/2025 18:07	WG2488964
Di-n-butyl phthalate	U		12.3	360	1	04/12/2025 18:07	WG2488964
Diethyl phthalate	U		11.9	360	1	04/12/2025 18:07	WG2488964
Dimethyl phthalate	U		76.2	360	1	04/12/2025 18:07	WG2488964
Di-n-octyl phthalate	U		24.3	360	1	04/12/2025 18:07	WG2488964
Pyrene	U		7.00	36.0	1	04/12/2025 18:07	WG2488964
1,2,4-Trichlorobenzene	U		11.2	360	1	04/12/2025 18:07	WG2488964
4-Chloro-3-methylphenol	U		11.7	360	1	04/12/2025 18:07	WG2488964
2-Chlorophenol	U		11.9	360	1	04/12/2025 18:07	WG2488964
2,4-Dichlorophenol	U		10.5	360	1	04/12/2025 18:07	WG2488964
2,4-Dimethylphenol	U		9.39	360	1	04/12/2025 18:07	WG2488964
4,6-Dinitro-2-methylphenol	U		81.5	360	1	04/12/2025 18:07	WG2488964
2,4-Dinitrophenol	U		84.1	360	1	04/12/2025 18:07	WG2488964
2-Nitrophenol	U		12.8	360	1	04/12/2025 18:07	WG2488964
4-Nitrophenol	U		11.2	360	1	04/12/2025 18:07	WG2488964
Pentachlorophenol	U		9.67	360	1	04/12/2025 18:07	WG2488964
Phenol	U		14.5	360	1	04/12/2025 18:07	WG2488964
2,4,6-Trichlorophenol	U		11.6	360	1	04/12/2025 18:07	WG2488964

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*78.2*			*12.0-120*		*04/12/2025 18:07*	WG2488964
(S) Phenol-d5	*71.5*			*10.0-120*		*04/12/2025 18:07*	WG2488964
(S) Nitrobenzene-d5	*70.2*			*10.0-122*		*04/12/2025 18:07*	WG2488964
(S) 2-Fluorobiphenyl	*79.6*			*15.0-120*		*04/12/2025 18:07*	WG2488964
(S) 2,4,6-Tribromophenol	*86.1*			*10.0-127*		*04/12/2025 18:07*	WG2488964
(S) p-Terphenyl-d14	*89.0*			*10.0-120*		*04/12/2025 18:07*	WG2488964

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	7.33		1	04/12/2025 21:35	WG2489100

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1910000		691	11400	1	04/13/2025 18:42	WG2489257

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.7		1	04/12/2025 12:28	WG2488960

Wet Chemistry by Method 365.4M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phosphorus,Total	1540000		365000	456000	20	04/13/2025 18:26	WG2489647

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1910000		86700	114000	5	04/13/2025 18:42	WG2489257

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	1230	umhos/cm		10.0	1	04/12/2025 21:02	WG2489203

Sample Narrative:

L1847156-05 WG2489203: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromide	U		4680	11400	1	04/12/2025 18:22	WG2489000
Chloride	96900		7240	22800	1	04/12/2025 18:22	WG2489000
Fluoride	7790		805	2280	1	04/12/2025 18:22	WG2489000
Nitrate as (N)	2390	J	1090	11400	1	04/12/2025 18:22	WG2489000
Nitrite as (N)	751	J	691	11400	1	04/12/2025 18:22	WG2489000
Sulfate	271000		9400	57000	1	04/12/2025 18:22	WG2489000

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	18300000		255000	1000000	10	04/13/2025 14:21	WG2489007

Mercury by Method 7471B

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Mercury	U		23.5	45.6	1	04/12/2025 15:42	WG2489004

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	6860000		6940	22800	1	04/12/2025 15:50	WG2489008
Antimony	U		788	2280	1	04/12/2025 15:50	WG2489008
Arsenic	1940	J	955	2280	1	04/12/2025 15:50	WG2489008
Barium	70900		97.0	570	1	04/12/2025 15:50	WG2489008
Beryllium	390		54.4	228	1	04/12/2025 15:50	WG2489008
Cadmium	189	J	74.5	570	1	04/12/2025 15:50	WG2489008
Calcium	7120000		21700	114000	1	04/12/2025 15:50	WG2489008
Chromium	7960		244	1140	1	04/12/2025 15:50	WG2489008
Cobalt	2990		202	1140	1	04/12/2025 15:50	WG2489008
Copper	13000		407	2280	1	04/12/2025 15:50	WG2489008
Iron	8320000		2560	11400	1	04/12/2025 15:50	WG2489008
Lead	7870		372	570	1	04/12/2025 15:50	WG2489008
Magnesium	2440000		22700	114000	1	04/12/2025 15:50	WG2489008
Manganese	181000		197	1140	1	04/12/2025 15:50	WG2489008
Nickel	5540		228	2280	1	04/12/2025 15:50	WG2489008
Potassium	2610000		23800	114000	1	04/12/2025 15:50	WG2489008
Selenium	U		1220	2280	1	04/12/2025 15:50	WG2489008
Silver	U		145	1140	1	04/12/2025 15:50	WG2489008
Sodium	1320000		47000	114000	1	04/12/2025 15:50	WG2489008
Thallium	U		591	2280	1	04/12/2025 15:50	WG2489008
Vanadium	14600		437	2280	1	04/12/2025 15:50	WG2489008
Zinc	53100		1110	5700	1	04/12/2025 15:50	WG2489008

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	55.9	B J	24.8	114	1	04/12/2025 16:08	WG2488833
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*		*04/12/2025 16:08*	WG2488833

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	U		46.8	64.1	1	04/12/2025 15:23	WG2488956
Acrylonitrile	U		4.63	16.0	1	04/12/2025 15:23	WG2488956
Benzene	U		0.599	1.28	1	04/12/2025 15:23	WG2488956
Bromobenzene	U		1.15	16.0	1	04/12/2025 15:23	WG2488956
Bromodichloromethane	U		0.929	3.20	1	04/12/2025 15:23	WG2488956
Bromoform	U		1.50	32.0	1	04/12/2025 15:23	WG2488956
Bromomethane	U	J4	2.53	16.0	1	04/12/2025 15:23	WG2488956
n-Butylbenzene	U		6.73	16.0	1	04/12/2025 15:23	WG2488956
sec-Butylbenzene	U		3.69	16.0	1	04/12/2025 15:23	WG2488956
tert-Butylbenzene	U		2.50	6.41	1	04/12/2025 15:23	WG2488956
Carbon tetrachloride	U		1.15	6.41	1	04/12/2025 15:23	WG2488956
Chlorobenzene	U		0.269	3.20	1	04/12/2025 15:23	WG2488956
Chlorodibromomethane	U		0.785	3.20	1	04/12/2025 15:23	WG2488956
Chloroethane	U		2.18	6.41	1	04/12/2025 15:23	WG2488956
Chloroform	U		1.32	3.20	1	04/12/2025 15:23	WG2488956
Chloromethane	U		5.58	16.0	1	04/12/2025 15:23	WG2488956
2-Chlorotoluene	U		1.11	3.20	1	04/12/2025 15:23	WG2488956
4-Chlorotoluene	U		0.577	6.41	1	04/12/2025 15:23	WG2488956
1,2-Dibromo-3-Chloropropane	U		5.00	32.0	1	04/12/2025 15:23	WG2488956
1,2-Dibromoethane	U		0.831	3.20	1	04/12/2025 15:23	WG2488956
Dibromomethane	U		0.961	6.41	1	04/12/2025 15:23	WG2488956
1,2-Dichlorobenzene	U		0.545	6.41	1	04/12/2025 15:23	WG2488956
1,3-Dichlorobenzene	U		0.769	6.41	1	04/12/2025 15:23	WG2488956

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.897	6.41	1	04/12/2025 15:23	WG2488956
Dichlorodifluoromethane	U		2.06	6.41	1	04/12/2025 15:23	WG2488956
1,1-Dichloroethane	U		0.629	3.20	1	04/12/2025 15:23	WG2488956
1,2-Dichloroethane	U		0.832	3.20	1	04/12/2025 15:23	WG2488956
1,1-Dichloroethene	U		0.777	3.20	1	04/12/2025 15:23	WG2488956
cis-1,2-Dichloroethene	U		0.941	3.20	1	04/12/2025 15:23	WG2488956
trans-1,2-Dichloroethene	U		1.33	6.41	1	04/12/2025 15:23	WG2488956
1,2-Dichloropropane	U		1.82	6.41	1	04/12/2025 15:23	WG2488956
1,1-Dichloropropene	U		1.04	3.20	1	04/12/2025 15:23	WG2488956
1,3-Dichloropropane	U		0.642	6.41	1	04/12/2025 15:23	WG2488956
cis-1,3-Dichloropropene	U		0.970	3.20	1	04/12/2025 15:23	WG2488956
trans-1,3-Dichloropropene	U		1.46	6.41	1	04/12/2025 15:23	WG2488956
2,2-Dichloropropane	U		1.77	3.20	1	04/12/2025 15:23	WG2488956
Di-isopropyl ether	U		0.526	1.28	1	04/12/2025 15:23	WG2488956
Ethylbenzene	U		0.945	3.20	1	04/12/2025 15:23	WG2488956
Hexachloro-1,3-butadiene	U	J4	7.69	32.0	1	04/12/2025 15:23	WG2488956
Isopropylbenzene	U		0.545	3.20	1	04/12/2025 15:23	WG2488956
p-Isopropyltoluene	U		3.27	6.41	1	04/12/2025 15:23	WG2488956
2-Butanone (MEK)	U		81.4	128	1	04/12/2025 15:23	WG2488956
Methylene Chloride	U		8.51	32.0	1	04/12/2025 15:23	WG2488956
4-Methyl-2-pentanone (MIBK)	U		2.92	32.0	1	04/12/2025 15:23	WG2488956
Methyl tert-butyl ether	U		0.449	1.28	1	04/12/2025 15:23	WG2488956
Naphthalene	U	C3	6.26	16.0	1	04/12/2025 15:23	WG2488956
n-Propylbenzene	U		1.22	6.41	1	04/12/2025 15:23	WG2488956
Styrene	U		0.294	16.0	1	04/12/2025 15:23	WG2488956
1,1,1,2-Tetrachloroethane	U		1.22	3.20	1	04/12/2025 15:23	WG2488956
1,1,2,2-Tetrachloroethane	U		0.891	3.20	1	04/12/2025 15:23	WG2488956
1,1,2-Trichlorotrifluoroethane	U		0.967	3.20	1	04/12/2025 15:23	WG2488956
Tetrachloroethene	U		1.15	3.20	1	04/12/2025 15:23	WG2488956
Toluene	U		1.67	6.41	1	04/12/2025 15:23	WG2488956
1,2,3-Trichlorobenzene	U		9.40	16.0	1	04/12/2025 15:23	WG2488956
1,2,4-Trichlorobenzene	U		5.64	16.0	1	04/12/2025 15:23	WG2488956
1,1,1-Trichloroethane	U		1.18	3.20	1	04/12/2025 15:23	WG2488956
1,1,2-Trichloroethane	U		0.765	3.20	1	04/12/2025 15:23	WG2488956
Trichloroethene	U		0.749	1.28	1	04/12/2025 15:23	WG2488956
Trichlorofluoromethane	U		1.06	3.20	1	04/12/2025 15:23	WG2488956
1,2,3-Trichloropropane	U		2.08	16.0	1	04/12/2025 15:23	WG2488956
1,2,4-Trimethylbenzene	U		2.03	6.41	1	04/12/2025 15:23	WG2488956
1,2,3-Trimethylbenzene	U		2.03	6.41	1	04/12/2025 15:23	WG2488956
1,3,5-Trimethylbenzene	U		2.56	6.41	1	04/12/2025 15:23	WG2488956
Vinyl chloride	U		1.49	3.20	1	04/12/2025 15:23	WG2488956
Xylenes, Total	U		1.13	8.33	1	04/12/2025 15:23	WG2488956
(S) Toluene-d8	*104*			*75.0-131*		*04/12/2025 15:23*	WG2488956
(S) 4-Bromofluorobenzene	*92.4*			*67.0-138*		*04/12/2025 15:23*	WG2488956
(S) 1,2-Dichloroethane-d4	*92.1*			*70.0-130*		*04/12/2025 15:23*	WG2488956

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		5240	13000	2.85	04/12/2025 19:38	WG2488965
C28-C36 Motor Oil Range	1120	J	891	13000	2.85	04/12/2025 19:38	WG2488965
(S) o-Terphenyl	*30.7*			*18.0-148*		*04/12/2025 19:38*	WG2488965

Sample Narrative:

L1847156-05 WG2488965: Dilution due to matrix impact during extraction procedure.

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		12.3	76.0	2	04/12/2025 18:27	WG2488964
Acenaphthylene	U		10.7	76.0	2	04/12/2025 18:27	WG2488964
Anthracene	U		13.6	76.0	2	04/12/2025 18:27	WG2488964
Benzidine	U	C7	143	3810	2	04/12/2025 18:27	WG2488964
Benzo(a)anthracene	U		13.3	76.0	2	04/12/2025 18:27	WG2488964
Benzo(b)fluoranthene	U		14.1	76.0	2	04/12/2025 18:27	WG2488964
Benzo(k)fluoranthene	U		13.5	76.0	2	04/12/2025 18:27	WG2488964
Benzo(g,h,i)perylene	U		13.9	76.0	2	04/12/2025 18:27	WG2488964
Benzo(a)pyrene	U		14.1	76.0	2	04/12/2025 18:27	WG2488964
Bis(2-chlorethoxy)methane	U		22.8	760	2	04/12/2025 18:27	WG2488964
Bis(2-chloroethyl)ether	U	C3	25.1	760	2	04/12/2025 18:27	WG2488964
2,2-Oxybis(1-Chloropropane)	U	C3	32.9	760	2	04/12/2025 18:27	WG2488964
4-Bromophenyl-phenylether	U		26.7	760	2	04/12/2025 18:27	WG2488964
2-Chloronaphthalene	U		13.3	76.0	2	04/12/2025 18:27	WG2488964
4-Chlorophenyl-phenylether	U		26.5	760	2	04/12/2025 18:27	WG2488964
Chrysene	U		15.1	76.0	2	04/12/2025 18:27	WG2488964
Dibenz(a,h)anthracene	U		21.1	76.0	2	04/12/2025 18:27	WG2488964
1,2-Dichlorobenzene	U		22.5	760	2	04/12/2025 18:27	WG2488964
1,3-Dichlorobenzene	U		23.0	760	2	04/12/2025 18:27	WG2488964
1,4-Dichlorobenzene	U		22.6	760	2	04/12/2025 18:27	WG2488964
3,3-Dichlorobenzidine	U		28.1	760	2	04/12/2025 18:27	WG2488964
2,4-Dinitrotoluene	U		21.8	760	2	04/12/2025 18:27	WG2488964
2,6-Dinitrotoluene	U		24.9	760	2	04/12/2025 18:27	WG2488964
Fluoranthene	U		13.7	76.0	2	04/12/2025 18:27	WG2488964
Fluorene	U		12.3	76.0	2	04/12/2025 18:27	WG2488964
Hexachlorobenzene	U		26.9	760	2	04/12/2025 18:27	WG2488964
Hexachloro-1,3-butadiene	U		25.6	760	2	04/12/2025 18:27	WG2488964
Hexachlorocyclopentadiene	U	C7	39.9	760	2	04/12/2025 18:27	WG2488964
Hexachloroethane	U		29.9	760	2	04/12/2025 18:27	WG2488964
Indeno(1,2,3-cd)pyrene	U		21.4	76.0	2	04/12/2025 18:27	WG2488964
Isophorone	U		23.3	760	2	04/12/2025 18:27	WG2488964
Naphthalene	U		19.1	76.0	2	04/12/2025 18:27	WG2488964
Nitrobenzene	U		26.5	760	2	04/12/2025 18:27	WG2488964
n-Nitrosodimethylamine	U		113	760	2	04/12/2025 18:27	WG2488964
n-Nitrosodiphenylamine	U		57.5	760	2	04/12/2025 18:27	WG2488964
n-Nitrosodi-n-propylamine	U		25.3	760	2	04/12/2025 18:27	WG2488964
Phenanthrene	U		15.1	76.0	2	04/12/2025 18:27	WG2488964
Benzylbutyl phthalate	U		23.7	760	2	04/12/2025 18:27	WG2488964
Bis(2-ethylhexyl)phthalate	U		96.3	760	2	04/12/2025 18:27	WG2488964
Di-n-butyl phthalate	U		26.0	760	2	04/12/2025 18:27	WG2488964
Diethyl phthalate	U		25.1	760	2	04/12/2025 18:27	WG2488964
Dimethyl phthalate	U		161	760	2	04/12/2025 18:27	WG2488964
Di-n-octyl phthalate	U		51.3	760	2	04/12/2025 18:27	WG2488964
Pyrene	U		14.8	76.0	2	04/12/2025 18:27	WG2488964
1,2,4-Trichlorobenzene	U		23.7	760	2	04/12/2025 18:27	WG2488964
4-Chloro-3-methylphenol	U		24.6	760	2	04/12/2025 18:27	WG2488964
2-Chlorophenol	U		25.1	760	2	04/12/2025 18:27	WG2488964
2,4-Dichlorophenol	U		22.1	760	2	04/12/2025 18:27	WG2488964
2,4-Dimethylphenol	U		19.8	760	2	04/12/2025 18:27	WG2488964
4,6-Dinitro-2-methylphenol	U		172	760	2	04/12/2025 18:27	WG2488964
2,4-Dinitrophenol	U		178	760	2	04/12/2025 18:27	WG2488964
2-Nitrophenol	U		27.2	760	2	04/12/2025 18:27	WG2488964
4-Nitrophenol	U		23.7	760	2	04/12/2025 18:27	WG2488964
Pentachlorophenol	U		20.4	760	2	04/12/2025 18:27	WG2488964
Phenol	U		30.6	760	2	04/12/2025 18:27	WG2488964
2,4,6-Trichlorophenol	U		24.4	760	2	04/12/2025 18:27	WG2488964

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*70.7*			*12.0-120*		*04/12/2025 18:27*	WG2488964
(S) Phenol-d5	*65.7*			*10.0-120*		*04/12/2025 18:27*	WG2488964
(S) Nitrobenzene-d5	*68.4*			*10.0-122*		*04/12/2025 18:27*	WG2488964
(S) 2-Fluorobiphenyl	*73.4*			*15.0-120*		*04/12/2025 18:27*	WG2488964
(S) 2,4,6-Tribromophenol	*78.0*			*10.0-127*		*04/12/2025 18:27*	WG2488964
(S) p-Terphenyl-d14	*78.5*			*10.0-120*		*04/12/2025 18:27*	WG2488964

Sample Narrative:

L1847156-05 WG2488964: Dilution due to matrix impact during extract concentration procedure.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	28.3	J	11.3	50.0	1	04/12/2025 13:59	WG2488853
Acrolein	U		2.54	50.0	1	04/12/2025 13:59	WG2488853
Acrylonitrile	U		0.671	10.0	1	04/12/2025 13:59	WG2488853
Benzene	U		0.0941	1.00	1	04/12/2025 13:59	WG2488853
Bromobenzene	U		0.118	1.00	1	04/12/2025 13:59	WG2488853
Bromodichloromethane	U		0.136	1.00	1	04/12/2025 13:59	WG2488853
Bromoform	U		0.129	1.00	1	04/12/2025 13:59	WG2488853
Bromomethane	U		0.605	5.00	1	04/12/2025 13:59	WG2488853
n-Butylbenzene	U	C3	0.157	1.00	1	04/12/2025 13:59	WG2488853
sec-Butylbenzene	U		0.125	1.00	1	04/12/2025 13:59	WG2488853
tert-Butylbenzene	U		0.127	1.00	1	04/12/2025 13:59	WG2488853
Carbon tetrachloride	U		0.128	1.00	1	04/12/2025 13:59	WG2488853
Chlorobenzene	U		0.116	1.00	1	04/12/2025 13:59	WG2488853
Chlorodibromomethane	U		0.140	1.00	1	04/12/2025 13:59	WG2488853
Chloroethane	U		0.192	5.00	1	04/12/2025 13:59	WG2488853
Chloroform	U		0.111	5.00	1	04/12/2025 13:59	WG2488853
Chloromethane	U	C3	0.960	2.50	1	04/12/2025 13:59	WG2488853
2-Chlorotoluene	U		0.106	1.00	1	04/12/2025 13:59	WG2488853
4-Chlorotoluene	U		0.114	1.00	1	04/12/2025 13:59	WG2488853
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	04/12/2025 13:59	WG2488853
1,2-Dibromoethane	U		0.126	1.00	1	04/12/2025 13:59	WG2488853
Dibromomethane	U		0.122	1.00	1	04/12/2025 13:59	WG2488853
1,2-Dichlorobenzene	U		0.107	1.00	1	04/12/2025 13:59	WG2488853
1,3-Dichlorobenzene	U		0.110	1.00	1	04/12/2025 13:59	WG2488853
1,4-Dichlorobenzene	U		0.120	1.00	1	04/12/2025 13:59	WG2488853
Dichlorodifluoromethane	U		0.374	5.00	1	04/12/2025 13:59	WG2488853
1,1-Dichloroethane	U		0.100	1.00	1	04/12/2025 13:59	WG2488853
1,2-Dichloroethane	U		0.0819	1.00	1	04/12/2025 13:59	WG2488853
1,1-Dichloroethene	U	C3	0.188	1.00	1	04/12/2025 13:59	WG2488853
cis-1,2-Dichloroethene	U		0.126	1.00	1	04/12/2025 13:59	WG2488853
trans-1,2-Dichloroethene	U		0.149	1.00	1	04/12/2025 13:59	WG2488853
1,2-Dichloropropane	U		0.149	1.00	1	04/12/2025 13:59	WG2488853
1,1-Dichloropropene	U		0.142	1.00	1	04/12/2025 13:59	WG2488853
1,3-Dichloropropane	U		0.110	1.00	1	04/12/2025 13:59	WG2488853
cis-1,3-Dichloropropene	U		0.111	1.00	1	04/12/2025 13:59	WG2488853
trans-1,3-Dichloropropene	U		0.118	1.00	1	04/12/2025 13:59	WG2488853
2,2-Dichloropropane	U		0.161	1.00	1	04/12/2025 13:59	WG2488853
Di-isopropyl ether	U		0.105	1.00	1	04/12/2025 13:59	WG2488853
Ethylbenzene	U		0.137	1.00	1	04/12/2025 13:59	WG2488853
Hexachloro-1,3-butadiene	U	C3	0.337	1.00	1	04/12/2025 13:59	WG2488853
Isopropylbenzene	U		0.105	1.00	1	04/12/2025 13:59	WG2488853
p-Isopropyltoluene	U		0.120	1.00	1	04/12/2025 13:59	WG2488853
2-Butanone (MEK)	U		1.19	10.0	1	04/12/2025 13:59	WG2488853
Methylene Chloride	U		0.430	5.00	1	04/12/2025 13:59	WG2488853
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	04/12/2025 13:59	WG2488853
Methyl tert-butyl ether	U		0.101	1.00	1	04/12/2025 13:59	WG2488853
Naphthalene	U	C3	1.00	5.00	1	04/12/2025 13:59	WG2488853
n-Propylbenzene	U		0.0993	1.00	1	04/12/2025 13:59	WG2488853
Styrene	U		0.118	1.00	1	04/12/2025 13:59	WG2488853
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	04/12/2025 13:59	WG2488853
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	04/12/2025 13:59	WG2488853
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	04/12/2025 13:59	WG2488853
Tetrachloroethene	U		0.300	1.00	1	04/12/2025 13:59	WG2488853
Toluene	U		0.278	1.00	1	04/12/2025 13:59	WG2488853
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	04/12/2025 13:59	WG2488853
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	04/12/2025 13:59	WG2488853

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	04/12/2025 13:59	WG2488853
1,1,2-Trichloroethane	U		0.158	1.00	1	04/12/2025 13:59	WG2488853
Trichloroethene	U		0.190	1.00	1	04/12/2025 13:59	WG2488853
Trichlorofluoromethane	U		0.160	5.00	1	04/12/2025 13:59	WG2488853
1,2,3-Trichloropropane	U		0.237	2.50	1	04/12/2025 13:59	WG2488853
1,2,4-Trimethylbenzene	U		0.322	1.00	1	04/12/2025 13:59	WG2488853
1,2,3-Trimethylbenzene	U		0.104	1.00	1	04/12/2025 13:59	WG2488853
1,3,5-Trimethylbenzene	U		0.104	1.00	1	04/12/2025 13:59	WG2488853
Vinyl chloride	U		0.234	1.00	1	04/12/2025 13:59	WG2488853
Xylenes, Total	U		0.174	3.00	1	04/12/2025 13:59	WG2488853
(S) Toluene-d8	*104*			*80.0-120*		*04/12/2025 13:59*	WG2488853
(S) 4-Bromofluorobenzene	*88.7*			*77.0-126*		*04/12/2025 13:59*	WG2488853
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*04/12/2025 13:59*	WG2488853

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	04/12/2025 14:18	WG2488853
Acrolein	U		2.54	50.0	1	04/12/2025 14:18	WG2488853
Acrylonitrile	U		0.671	10.0	1	04/12/2025 14:18	WG2488853
Benzene	U		0.0941	1.00	1	04/12/2025 14:18	WG2488853
Bromobenzene	U		0.118	1.00	1	04/12/2025 14:18	WG2488853
Bromodichloromethane	U		0.136	1.00	1	04/12/2025 14:18	WG2488853
Bromoform	U		0.129	1.00	1	04/12/2025 14:18	WG2488853
Bromomethane	U		0.605	5.00	1	04/12/2025 14:18	WG2488853
n-Butylbenzene	U	C3	0.157	1.00	1	04/12/2025 14:18	WG2488853
sec-Butylbenzene	U		0.125	1.00	1	04/12/2025 14:18	WG2488853
tert-Butylbenzene	U		0.127	1.00	1	04/12/2025 14:18	WG2488853
Carbon tetrachloride	U		0.128	1.00	1	04/12/2025 14:18	WG2488853
Chlorobenzene	U		0.116	1.00	1	04/12/2025 14:18	WG2488853
Chlorodibromomethane	U		0.140	1.00	1	04/12/2025 14:18	WG2488853
Chloroethane	U		0.192	5.00	1	04/12/2025 14:18	WG2488853
Chloroform	2.06	J	0.111	5.00	1	04/12/2025 14:18	WG2488853
Chloromethane	U	C3	0.960	2.50	1	04/12/2025 14:18	WG2488853
2-Chlorotoluene	U		0.106	1.00	1	04/12/2025 14:18	WG2488853
4-Chlorotoluene	U		0.114	1.00	1	04/12/2025 14:18	WG2488853
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	04/12/2025 14:18	WG2488853
1,2-Dibromoethane	U		0.126	1.00	1	04/12/2025 14:18	WG2488853
Dibromomethane	U		0.122	1.00	1	04/12/2025 14:18	WG2488853
1,2-Dichlorobenzene	U		0.107	1.00	1	04/12/2025 14:18	WG2488853
1,3-Dichlorobenzene	U		0.110	1.00	1	04/12/2025 14:18	WG2488853
1,4-Dichlorobenzene	U		0.120	1.00	1	04/12/2025 14:18	WG2488853
Dichlorodifluoromethane	U		0.374	5.00	1	04/12/2025 14:18	WG2488853
1,1-Dichloroethane	U		0.100	1.00	1	04/12/2025 14:18	WG2488853
1,2-Dichloroethane	U		0.0819	1.00	1	04/12/2025 14:18	WG2488853
1,1-Dichloroethene	U	C3	0.188	1.00	1	04/12/2025 14:18	WG2488853
cis-1,2-Dichloroethene	U		0.126	1.00	1	04/12/2025 14:18	WG2488853
trans-1,2-Dichloroethene	U		0.149	1.00	1	04/12/2025 14:18	WG2488853
1,2-Dichloropropane	U		0.149	1.00	1	04/12/2025 14:18	WG2488853
1,1-Dichloropropene	U		0.142	1.00	1	04/12/2025 14:18	WG2488853
1,3-Dichloropropane	U		0.110	1.00	1	04/12/2025 14:18	WG2488853
cis-1,3-Dichloropropene	U		0.111	1.00	1	04/12/2025 14:18	WG2488853
trans-1,3-Dichloropropene	U		0.118	1.00	1	04/12/2025 14:18	WG2488853
2,2-Dichloropropane	U		0.161	1.00	1	04/12/2025 14:18	WG2488853
Di-isopropyl ether	U		0.105	1.00	1	04/12/2025 14:18	WG2488853
Ethylbenzene	U		0.137	1.00	1	04/12/2025 14:18	WG2488853
Hexachloro-1,3-butadiene	U	C3	0.337	1.00	1	04/12/2025 14:18	WG2488853
Isopropylbenzene	U		0.105	1.00	1	04/12/2025 14:18	WG2488853
p-Isopropyltoluene	U		0.120	1.00	1	04/12/2025 14:18	WG2488853
2-Butanone (MEK)	U		1.19	10.0	1	04/12/2025 14:18	WG2488853
Methylene Chloride	U		0.430	5.00	1	04/12/2025 14:18	WG2488853
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	04/12/2025 14:18	WG2488853
Methyl tert-butyl ether	U		0.101	1.00	1	04/12/2025 14:18	WG2488853
Naphthalene	U	C3	1.00	5.00	1	04/12/2025 14:18	WG2488853
n-Propylbenzene	U		0.0993	1.00	1	04/12/2025 14:18	WG2488853
Styrene	U		0.118	1.00	1	04/12/2025 14:18	WG2488853
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	04/12/2025 14:18	WG2488853
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	04/12/2025 14:18	WG2488853
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	04/12/2025 14:18	WG2488853
Tetrachloroethene	U		0.300	1.00	1	04/12/2025 14:18	WG2488853
Toluene	U		0.278	1.00	1	04/12/2025 14:18	WG2488853
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	04/12/2025 14:18	WG2488853
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	04/12/2025 14:18	WG2488853

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	04/12/2025 14:18	WG2488853
1,1,2-Trichloroethane	U		0.158	1.00	1	04/12/2025 14:18	WG2488853
Trichloroethene	U		0.190	1.00	1	04/12/2025 14:18	WG2488853
Trichlorofluoromethane	U		0.160	5.00	1	04/12/2025 14:18	WG2488853
1,2,3-Trichloropropane	U		0.237	2.50	1	04/12/2025 14:18	WG2488853
1,2,4-Trimethylbenzene	U		0.322	1.00	1	04/12/2025 14:18	WG2488853
1,2,3-Trimethylbenzene	U		0.104	1.00	1	04/12/2025 14:18	WG2488853
1,3,5-Trimethylbenzene	U		0.104	1.00	1	04/12/2025 14:18	WG2488853
Vinyl chloride	U		0.234	1.00	1	04/12/2025 14:18	WG2488853
Xylenes, Total	U		0.174	3.00	1	04/12/2025 14:18	WG2488853
(S) Toluene-d8	*99.4*			*80.0-120*		*04/12/2025 14:18*	WG2488853
(S) 4-Bromofluorobenzene	*85.6*			*77.0-126*		*04/12/2025 14:18*	WG2488853
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*04/12/2025 14:18*	WG2488853

Method Blank (MB)

(MB) R4198752-1 04/12/25 12:28

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1847156-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1847156-01 04/12/25 12:28 • (DUP) R4198752-3 04/12/25 12:28

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.8	90.6	1	0.150		10

Laboratory Control Sample (LCS)

(LCS) R4198752-2 04/12/25 12:28

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) R4198922-1 04/13/25 17:16

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Phosphorus,Total	U		16000	20000

L1846204-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1846204-02 04/13/25 17:59 • (DUP) R4198922-5 04/13/25 18:00

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Phosphorus,Total	428000	345000	5	21.4		25

L1846204-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1846204-03 04/13/25 18:01 • (DUP) R4198922-6 04/13/25 18:03

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Phosphorus,Total	408000	383000	5	6.36		25

Laboratory Control Sample (LCS)

(LCS) R4198922-2 04/13/25 17:17

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phosphorus,Total	138000	131000	94.5	85.0-115	

L1846204-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1846204-01 04/13/25 17:55 • (MS) R4198922-3 04/13/25 17:56 • (MSD) R4198922-4 04/13/25 17:58

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Phosphorus,Total	200000	410000	412000	490000	0.882	40.1	5	50.0-150	J6	J6	17.4	25

QUALITY CONTROL SUMMARY

L1847156-01,02,03,04,05

Method Blank (MB)

(MB) R4198943-1 04/13/25 18:17

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Kjeldahl Nitrogen, TKN	U		15200	20000

L1846551-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1846551-01 04/13/25 18:34 • (DUP) R4198943-5 04/13/25 18:43

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	1140000	1530000	5	29.7	J3	20

Sample Narrative:

OS: Duplicate failure due to soil matrix.

Laboratory Control Sample (LCS)

(LCS) R4198943-2 04/13/25 18:19

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	480000	456000	95.0	80.0-120	

L1846551-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1846551-01 04/13/25 18:34 • (MS) R4198943-3 04/13/25 18:37 • (MSD) R4198943-4 04/13/25 18:38

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	400000	1140000	1460000	1750000	82.2	153	5	85.0-115	J6	J5	17.7	20

Sample Narrative:

OS: Duplicate failure due to soil matrix.

Method Blank (MB)

(MB) R4198786-1 04/12/25 21:02

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

L1847156-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1847156-01 04/12/25 21:02 • (DUP) R4198786-3 04/12/25 21:02

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	641	636	1	0.783		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4198786-2 04/12/25 21:02

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	1130	1050	92.7	85.0-115	

Sample Narrative:

LCS: at 25C

QUALITY CONTROL SUMMARY

L1847156-01,02,03,04,05

Method Blank (MB)

(MB) R4198772-1 04/12/25 15:55

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Bromide	U		4100	10000
Chloride	U		6350	20000
Fluoride	U		706	2000
Nitrate as (N)	U		952	10000
Nitrite as (N)	U		606	10000
Sulfate	U		8240	50000

L1847156-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1847156-01 04/12/25 16:28 • (DUP) R4198772-3 04/12/25 16:44

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Bromide	U	U	1	0.000		15
Chloride	60200	58100	1	3.60		15
Fluoride	6440	6180	1	4.05		15
Nitrate as (N)	1670	2220	1	28.4	J P1	15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	32900	55400	1	51.1	P1	15

Laboratory Control Sample (LCS)

(LCS) R4198772-2 04/12/25 16:12

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromide	200000	201000	101	80.0-120	
Chloride	200000	203000	101	80.0-120	
Fluoride	20000	18200	90.9	80.0-120	
Nitrate as (N)	20000	20000	100	80.0-120	
Nitrite as (N)	20000	20900	105	80.0-120	
Sulfate	200000	206000	103	80.0-120	

L1847156-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847156-01 04/12/25 16:28 • (MS) R4198772-4 04/12/25 17:01 • (MSD) R4198772-5 04/12/25 17:17

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
	ug/kg	ug/kg	ug/kg	ug/kg	%	%		%			%	%
Bromide	220000	U	210000	208000	95.4	94.2	1	80.0-120			1.23	15
Chloride	220000	60200	257000	257000	89.1	89.3	1	80.0-120			0.158	15
Fluoride	22000	6440	24400	22900	81.7	74.8	1	80.0-120		J6	6.40	15
Nitrate as (N)	22000	1670	22900	22700	96.4	95.4	1	80.0-120			0.897	15
Nitrite as (N)	22000	U	22300	22100	101	100	1	80.0-120			1.21	15
Sulfate	220000	32900	238000	249000	93.2	98.1	1	80.0-120			4.38	15

Method Blank (MB)

(MB) R4198863-1 04/13/25 14:14

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
TOC By Walkley Black	U		25500	100000

L1847156-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1847156-01 04/13/25 14:19 • (DUP) R4198863-3 04/13/25 14:19

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	6480000	6620000	5	2.06		20

Laboratory Control Sample (LCS)

(LCS) R4198863-2 04/13/25 14:19

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC By Walkley Black	4890000	7040000	144	75.0-144	

L1847156-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847156-03 04/13/25 14:20 • (MS) R4198863-4 04/13/25 14:20 • (MSD) R4198863-5 04/13/25 14:20

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC By Walkley Black	8000000	6640000	18600000	17200000	150	132	2	80.0-120	J5	J5	7.92	20

Method Blank (MB)

(MB) R4198735-1 04/12/25 15:13

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Mercury	U		20.6	40.0

Laboratory Control Sample (LCS)

(LCS) R4198735-2 04/12/25 15:16

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	500	488	97.6	80.0-120	

L1847156-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847156-01 04/12/25 15:18 • (MS) R4198735-4 04/12/25 15:23 • (MSD) R4198735-5 04/12/25 15:26

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	551	U	521	505	94.6	91.6	1	75.0-125			3.13	20

Method Blank (MB)

(MB) R4198717-1 04/12/25 15:28

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Aluminum	U		6080	20000
Antimony	U		691	2000
Arsenic	U		837	2000
Barium	U		85.0	500
Beryllium	U		47.7	200
Cadmium	U		65.3	500
Calcium	U		19000	100000
Chromium	U		214	1000
Cobalt	U		177	1000
Copper	U		357	2000
Iron	2780	J	2240	10000
Lead	U		326	500
Magnesium	U		19900	100000
Manganese	U		173	1000
Nickel	U		200	2000
Potassium	U		20900	100000
Selenium	U		1070	2000
Silver	U		127	1000
Sodium	U		41200	100000
Thallium	U		518	2000
Vanadium	U		383	2000
Zinc	U		974	5000

Laboratory Control Sample (LCS)

(LCS) R4198717-2 04/12/25 15:30

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000000	1020000	102	80.0-120	
Antimony	100000	99000	99.0	80.0-120	
Arsenic	100000	102000	102	80.0-120	
Barium	100000	111000	111	80.0-120	
Beryllium	100000	107000	107	80.0-120	
Cadmium	100000	103000	103	80.0-120	
Calcium	1000000	1080000	108	80.0-120	
Chromium	100000	109000	109	80.0-120	
Cobalt	100000	101000	101	80.0-120	
Copper	100000	108000	108	80.0-120	
Iron	1000000	1050000	105	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4198717-2 04/12/25 15:30

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100000	104000	104	80.0-120	
Magnesium	1000000	1050000	105	80.0-120	
Manganese	100000	111000	111	80.0-120	
Nickel	100000	103000	103	80.0-120	
Potassium	1000000	1020000	102	80.0-120	
Selenium	100000	100000	100	80.0-120	
Silver	20000	20500	103	80.0-120	
Sodium	1000000	1070000	107	80.0-120	
Thallium	100000	108000	108	80.0-120	
Vanadium	100000	104000	104	80.0-120	
Zinc	100000	105000	105	80.0-120	

L1847156-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847156-03 04/12/25 15:32 • (MS) R4198717-5 04/12/25 15:37 • (MSD) R4198717-6 04/12/25 15:39

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	1110000	4750000	6690000	6590000	175	167	1	75.0-125	V	V	1.39	20
Antimony	111000	U	95400	93000	86.1	84.0	1	75.0-125			2.48	20
Arsenic	111000	4580	109000	106000	94.4	92.0	1	75.0-125			2.44	20
Barium	111000	51400	172000	167000	109	104	1	75.0-125			3.21	20
Beryllium	111000	393	112000	108000	101	97.0	1	75.0-125			4.17	20
Cadmium	111000	230	108000	104000	97.4	93.9	1	75.0-125			3.59	20
Calcium	1110000	4210000	6250000	6620000	184	217	1	75.0-125	J5	J5	5.72	20
Chromium	111000	5910	119000	116000	102	99.1	1	75.0-125			3.09	20
Cobalt	111000	2780	112000	108000	98.9	94.9	1	75.0-125			4.08	20
Copper	111000	7330	125000	118000	106	100	1	75.0-125			5.51	20
Iron	1110000	15700000	7930000	8550000	0.000	0.000	1	75.0-125	V	V	7.52	20
Lead	111000	6260	118000	109000	101	92.8	1	75.0-125			8.00	20
Magnesium	1110000	1770000	2930000	2880000	105	99.5	1	75.0-125			1.97	20
Manganese	111000	438000	239000	253000	0.000	0.000	1	75.0-125	J6	J6	5.62	20
Nickel	111000	5610	116000	111000	99.8	94.9	1	75.0-125			4.75	20
Potassium	1110000	1740000	2910000	2860000	106	101	1	75.0-125			1.88	20
Selenium	111000	U	106000	102000	95.7	91.7	1	75.0-125			4.30	20
Silver	22200	U	21900	20800	98.9	93.9	1	75.0-125			5.22	20
Sodium	1110000	541000	1740000	1640000	108	99.2	1	75.0-125			6.06	20
Thallium	111000	U	113000	108000	102	97.1	1	75.0-125			4.60	20
Vanadium	111000	19400	122000	118000	92.4	88.6	1	75.0-125			3.47	20
Zinc	111000	40000	151000	141000	100	91.4	1	75.0-125			6.56	20

Method Blank (MB)

(MB) R4198736-2 04/12/25 10:31

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
TPH (GC/FID) Low Fraction	30.0	J	21.7	100
(S) a,a,a-Trifluorotoluene(FID)	*98.3*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4198736-1 04/12/25 09:44

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5000	5180	104	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*109*	*77.0-120*	

Method Blank (MB)

(MB) R4198713-2 04/12/25 10:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4198713-2 04/12/25 10:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*85.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4198713-1 04/12/25 09:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	39.7	159	19.0-160	J
Acrolein	25.0	27.3	109	10.0-160	J
Acrylonitrile	25.0	31.8	127	55.0-149	
Benzene	5.00	4.39	87.8	70.0-123	

Laboratory Control Sample (LCS)

(LCS) R4198713-1 04/12/25 09:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromobenzene	5.00	5.00	100	73.0-121	
Bromodichloromethane	5.00	5.02	100	75.0-120	
Bromoform	5.00	4.71	94.2	68.0-132	
Bromomethane	5.00	4.57	91.4	10.0-160	J
n-Butylbenzene	5.00	3.97	79.4	73.0-125	
sec-Butylbenzene	5.00	4.33	86.6	75.0-125	
tert-Butylbenzene	5.00	4.63	92.6	76.0-124	
Carbon tetrachloride	5.00	4.35	87.0	68.0-126	
Chlorobenzene	5.00	4.67	93.4	80.0-121	
Chlorodibromomethane	5.00	4.26	85.2	77.0-125	
Chloroethane	5.00	4.54	90.8	47.0-150	J
Chloroform	5.00	4.31	86.2	73.0-120	J
Chloromethane	5.00	3.47	69.4	41.0-142	
2-Chlorotoluene	5.00	4.43	88.6	76.0-123	
4-Chlorotoluene	5.00	4.42	88.4	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.48	89.6	58.0-134	J
1,2-Dibromoethane	5.00	5.04	101	80.0-122	
Dibromomethane	5.00	5.03	101	80.0-120	
1,2-Dichlorobenzene	5.00	4.51	90.2	79.0-121	
1,3-Dichlorobenzene	5.00	4.83	96.6	79.0-120	
1,4-Dichlorobenzene	5.00	4.75	95.0	79.0-120	
Dichlorodifluoromethane	5.00	4.71	94.2	51.0-149	J
1,1-Dichloroethane	5.00	4.79	95.8	70.0-126	
1,2-Dichloroethane	5.00	5.03	101	70.0-128	
1,1-Dichloroethene	5.00	3.95	79.0	71.0-124	
cis-1,2-Dichloroethene	5.00	4.51	90.2	73.0-120	
trans-1,2-Dichloroethene	5.00	4.53	90.6	73.0-120	
1,2-Dichloropropane	5.00	4.91	98.2	77.0-125	
1,1-Dichloropropene	5.00	4.32	86.4	74.0-126	
1,3-Dichloropropane	5.00	4.90	98.0	80.0-120	
cis-1,3-Dichloropropene	5.00	4.80	96.0	80.0-123	
trans-1,3-Dichloropropene	5.00	4.82	96.4	78.0-124	
2,2-Dichloropropane	5.00	4.50	90.0	58.0-130	
Di-isopropyl ether	5.00	4.81	96.2	58.0-138	
Ethylbenzene	5.00	4.34	86.8	79.0-123	
Hexachloro-1,3-butadiene	5.00	2.86	57.2	54.0-138	
Isopropylbenzene	5.00	4.20	84.0	76.0-127	
p-Isopropyltoluene	5.00	4.19	83.8	76.0-125	
2-Butanone (MEK)	25.0	32.4	130	44.0-160	
Methylene Chloride	5.00	4.88	97.6	67.0-120	J

Laboratory Control Sample (LCS)

(LCS) R4198713-1 04/12/25 09:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Methyl-2-pentanone (MIBK)	25.0	30.1	120	68.0-142	
Methyl tert-butyl ether	5.00	5.12	102	68.0-125	
Naphthalene	5.00	3.63	72.6	54.0-135	J
n-Propylbenzene	5.00	4.22	84.4	77.0-124	
Styrene	5.00	4.40	88.0	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.34	86.8	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.13	103	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.68	93.6	69.0-132	
Tetrachloroethene	5.00	4.34	86.8	72.0-132	
Toluene	5.00	4.42	88.4	79.0-120	
1,2,3-Trichlorobenzene	5.00	3.18	63.6	50.0-138	
1,2,4-Trichlorobenzene	5.00	3.12	62.4	57.0-137	
1,1,1-Trichloroethane	5.00	4.77	95.4	73.0-124	
1,1,2-Trichloroethane	5.00	5.07	101	80.0-120	
Trichloroethene	5.00	4.26	85.2	78.0-124	
Trichlorofluoromethane	5.00	4.67	93.4	59.0-147	J
1,2,3-Trichloropropane	5.00	5.37	107	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.63	92.6	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.43	88.6	77.0-120	
1,3,5-Trimethylbenzene	5.00	4.38	87.6	76.0-122	
Vinyl chloride	5.00	4.68	93.6	67.0-131	
Xylenes, Total	15.0	13.3	88.7	79.0-123	
(S) Toluene-d8			*97.0*	*80.0-120*	
(S) 4-Bromofluorobenzene			*95.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*113*	*70.0-130*	

Method Blank (MB)

(MB) R4198740-2 04/12/25 12:04

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Acetone	U		36.5	50.0
Acrylonitrile	U		3.61	12.5
Benzene	U		0.467	1.00
Bromobenzene	U		0.900	12.5
Bromodichloromethane	U		0.725	2.50
Bromoform	U		1.17	25.0
Bromomethane	12.6		1.97	12.5
n-Butylbenzene	U		5.25	12.5
sec-Butylbenzene	U		2.88	12.5
tert-Butylbenzene	U		1.95	5.00
Carbon tetrachloride	U		0.898	5.00
Chlorobenzene	U		0.210	2.50
Chlorodibromomethane	U		0.612	2.50
Chloroethane	147		1.70	5.00
Chloroform	U		1.03	2.50
Chloromethane	U		4.35	12.5
2-Chlorotoluene	U		0.865	2.50
4-Chlorotoluene	U		0.450	5.00
1,2-Dibromo-3-Chloropropane	U		3.90	25.0
1,2-Dibromoethane	U		0.648	2.50
Dibromomethane	U		0.750	5.00
1,2-Dichlorobenzene	U		0.425	5.00
1,3-Dichlorobenzene	U		0.600	5.00
1,4-Dichlorobenzene	U		0.700	5.00
Dichlorodifluoromethane	U		1.61	5.00
1,1-Dichloroethane	U		0.491	2.50
1,2-Dichloroethane	U		0.649	2.50
1,1-Dichloroethene	U		0.606	2.50
cis-1,2-Dichloroethene	U		0.734	2.50
trans-1,2-Dichloroethene	U		1.04	5.00
1,2-Dichloropropane	U		1.42	5.00
1,1-Dichloropropene	U		0.809	2.50
1,3-Dichloropropane	U		0.501	5.00
cis-1,3-Dichloropropene	U		0.757	2.50
trans-1,3-Dichloropropene	U		1.14	5.00
2,2-Dichloropropane	U		1.38	2.50
Di-isopropyl ether	U		0.410	1.00
Ethylbenzene	U		0.737	2.50
Hexachloro-1,3-butadiene	U		6.00	25.0
Isopropylbenzene	U		0.425	2.50

Method Blank (MB)

(MB) R4198740-2 04/12/25 12:04

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
p-Isopropyltoluene	U		2.55	5.00
2-Butanone (MEK)	U		63.5	100
Methylene Chloride	U		6.64	25.0
4-Methyl-2-pentanone (MIBK)	U		2.28	25.0
Methyl tert-butyl ether	U		0.350	1.00
Naphthalene	U		4.88	12.5
n-Propylbenzene	U		0.950	5.00
Styrene	U		0.229	12.5
1,1,1,2-Tetrachloroethane	U		0.948	2.50
1,1,2,2-Tetrachloroethane	U		0.695	2.50
1,1,2-Trichlorotrifluoroethane	U		0.754	2.50
Tetrachloroethene	U		0.896	2.50
Toluene	2.25	J	1.30	5.00
1,2,3-Trichlorobenzene	U		7.33	12.5
1,2,4-Trichlorobenzene	U		4.40	12.5
1,1,1-Trichloroethane	U		0.923	2.50
1,1,2-Trichloroethane	U		0.597	2.50
Trichloroethene	U		0.584	1.00
Trichlorofluoromethane	U		0.827	2.50
1,2,3-Trichloropropane	U		1.62	12.5
1,2,4-Trimethylbenzene	U		1.58	5.00
1,2,3-Trimethylbenzene	U		1.58	5.00
1,3,5-Trimethylbenzene	U		2.00	5.00
Vinyl chloride	U		1.16	2.50
Xylenes, Total	U		0.880	6.50
(S) Toluene-d8	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*94.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*91.5*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4198740-1 04/12/25 10:45

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	625	599	95.8	10.0-160	
Acrylonitrile	625	587	93.9	45.0-153	
Benzene	125	121	96.8	70.0-123	
Bromobenzene	125	122	97.6	73.0-121	
Bromodichloromethane	125	118	94.4	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R4198740-1 04/12/25 10:45

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	125	116	92.8	64.0-132	
Bromomethane	125	196	157	56.0-147	J4
n-Butylbenzene	125	115	92.0	68.0-135	
sec-Butylbenzene	125	112	89.6	74.0-130	
tert-Butylbenzene	125	110	88.0	75.0-127	
Carbon tetrachloride	125	126	101	66.0-128	
Chlorobenzene	125	123	98.4	76.0-128	
Chlorodibromomethane	125	122	97.6	74.0-127	
Chloroethane	125	151	121	61.0-134	
Chloroform	125	131	105	72.0-123	
Chloromethane	125	130	104	51.0-138	
2-Chlorotoluene	125	118	94.4	75.0-124	
4-Chlorotoluene	125	115	92.0	75.0-124	
1,2-Dibromo-3-Chloropropane	125	102	81.6	59.0-130	
1,2-Dibromoethane	125	114	91.2	74.0-128	
Dibromomethane	125	120	96.0	75.0-122	
1,2-Dichlorobenzene	125	116	92.8	76.0-124	
1,3-Dichlorobenzene	125	125	100	76.0-125	
1,4-Dichlorobenzene	125	117	93.6	77.0-121	
Dichlorodifluoromethane	125	119	95.2	43.0-156	
1,1-Dichloroethane	125	132	106	70.0-127	
1,2-Dichloroethane	125	116	92.8	65.0-131	
1,1-Dichloroethene	125	131	105	65.0-131	
cis-1,2-Dichloroethene	125	118	94.4	73.0-125	
trans-1,2-Dichloroethene	125	126	101	71.0-125	
1,2-Dichloropropane	125	123	98.4	74.0-125	
1,1-Dichloropropene	125	124	99.2	73.0-125	
1,3-Dichloropropane	125	118	94.4	80.0-125	
cis-1,3-Dichloropropene	125	119	95.2	76.0-127	
trans-1,3-Dichloropropene	125	113	90.4	73.0-127	
2,2-Dichloropropane	125	137	110	59.0-135	
Di-isopropyl ether	125	116	92.8	60.0-136	
Ethylbenzene	125	121	96.8	74.0-126	
Hexachloro-1,3-butadiene	125	191	153	57.0-150	J4
Isopropylbenzene	125	118	94.4	72.0-127	
p-Isopropyltoluene	125	112	89.6	72.0-133	
2-Butanone (MEK)	625	575	92.0	30.0-160	
Methylene Chloride	125	121	96.8	68.0-123	
4-Methyl-2-pentanone (MIBK)	625	523	83.7	56.0-143	
Methyl tert-butyl ether	125	104	83.2	66.0-132	

Laboratory Control Sample (LCS)

(LCS) R4198740-1 04/12/25 10:45

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	125	94.9	75.9	59.0-130	
n-Propylbenzene	125	111	88.8	74.0-126	
Styrene	125	110	88.0	72.0-127	
1,1,1,2-Tetrachloroethane	125	125	100	74.0-129	
1,1,2,2-Tetrachloroethane	125	103	82.4	68.0-128	
1,1,2-Trichlorotrifluoroethane	125	134	107	61.0-139	
Tetrachloroethene	125	147	118	70.0-136	
Toluene	125	131	105	75.0-121	
1,2,3-Trichlorobenzene	125	132	106	59.0-139	
1,2,4-Trichlorobenzene	125	126	101	62.0-137	
1,1,1-Trichloroethane	125	123	98.4	69.0-126	
1,1,2-Trichloroethane	125	113	90.4	78.0-123	
Trichloroethene	125	138	110	76.0-126	
Trichlorofluoromethane	125	166	133	61.0-142	
1,2,3-Trichloropropane	125	106	84.8	67.0-129	
1,2,4-Trimethylbenzene	125	110	88.0	70.0-126	
1,2,3-Trimethylbenzene	125	108	86.4	74.0-124	
1,3,5-Trimethylbenzene	125	109	87.2	73.0-127	
Vinyl chloride	125	141	113	63.0-134	
Xylenes, Total	375	377	101	72.0-127	
(S) Toluene-d8			*99.9*	*75.0-131*	
(S) 4-Bromofluorobenzene			*95.1*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*95.9*	*70.0-130*	

Method Blank (MB)

(MB) R4198793-1 04/12/25 19:10

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
C10-C28 Diesel Range	U		1610	4000
C28-C36 Motor Oil Range	U		274	4000
(S) o-Terphenyl	*69.1*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4198793-2 04/12/25 19:24

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50000	38900	77.8	50.0-150	
(S) o-Terphenyl			*76.6*	*18.0-148*	

L1847156-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847156-03 04/12/25 20:06 • (MS) R4198793-3 04/12/25 20:20 • (MSD) R4198793-4 04/12/25 20:33

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	55400	U	47300	45100	85.4	81.4	1	50.0-150			4.80	20
(S) o-Terphenyl					*80.6*	*74.0*		*18.0-148*				

Sample Narrative:

OS: Dilution due to matrix impact during extraction procedure.

Method Blank (MB)

(MB) R4198785-2 04/12/25 17:47

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Acenaphthene	U		5.39	33.3
Acenaphthylene	U		4.69	33.3
Anthracene	U		5.93	33.3
Benzidine	U		62.6	1670
Benzo(a)anthracene	U		5.87	33.3
Benzo(b)fluoranthene	U		6.21	33.3
Benzo(k)fluoranthene	U		5.92	33.3
Benzo(g,h,i)perylene	U		6.09	33.3
Benzo(a)pyrene	U		6.19	33.3
Bis(2-chlorethoxy)methane	U		10.0	333
Bis(2-chloroethyl)ether	U		11.0	333
2,2-Oxybis(1-Chloropropane)	U		14.4	333
4-Bromophenyl-phenylether	U		11.7	333
2-Chloronaphthalene	U		5.85	33.3
4-Chlorophenyl-phenylether	U		11.6	333
Chrysene	U		6.62	33.3
Dibenz(a,h)anthracene	U		9.23	33.3
1,2-Dichlorobenzene	U		9.87	333
1,3-Dichlorobenzene	U		10.1	333
1,4-Dichlorobenzene	U		9.91	333
3,3-Dichlorobenzidine	U		12.3	333
2,4-Dinitrotoluene	U		9.55	333
2,6-Dinitrotoluene	U		10.9	333
Fluoranthene	U		6.01	33.3
Fluorene	U		5.42	33.3
Hexachlorobenzene	U		11.8	333
Hexachloro-1,3-butadiene	U		11.2	333
Hexachlorocyclopentadiene	U		17.5	333
Hexachloroethane	U		13.1	333
Indeno(1,2,3-cd)pyrene	U		9.41	33.3
Isophorone	U		10.2	333
Naphthalene	U		8.36	33.3
Nitrobenzene	U		11.6	333
n-Nitrosodimethylamine	U		49.4	333
n-Nitrosodiphenylamine	U		25.2	333
n-Nitrosodi-n-propylamine	U		11.1	333
Phenanthrene	U		6.61	33.3
Benzylbutyl phthalate	U		10.4	333
Bis(2-ethylhexyl)phthalate	U		42.2	333
Di-n-butyl phthalate	U		11.4	333

Method Blank (MB)

(MB) R4198785-2 04/12/25 17:47

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Diethyl phthalate	U		11.0	333
Dimethyl phthalate	U		70.6	333
Di-n-octyl phthalate	U		22.5	333
Pyrene	U		6.48	33.3
1,2,4-Trichlorobenzene	U		10.4	333
4-Chloro-3-methylphenol	U		10.8	333
2-Chlorophenol	U		11.0	333
2,4-Dichlorophenol	U		9.70	333
2,4-Dimethylphenol	U		8.70	333
4,6-Dinitro-2-methylphenol	U		75.5	333
2,4-Dinitrophenol	U		77.9	333
2-Nitrophenol	U		11.9	333
4-Nitrophenol	U		10.4	333
Pentachlorophenol	U		8.96	333
Phenol	U		13.4	333
2,4,6-Trichlorophenol	U		10.7	333
(S) 2-Fluorophenol	*70.0*			*12.0-120*
(S) Phenol-d5	*65.2*			*10.0-120*
(S) Nitrobenzene-d5	*64.6*			*10.0-122*
(S) 2-Fluorobiphenyl	*73.9*			*15.0-120*
(S) 2,4,6-Tribromophenol	*74.6*			*10.0-127*
(S) p-Terphenyl-d14	*81.1*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4198785-1 04/12/25 17:26

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	666	491	73.7	38.0-120	
Acenaphthylene	666	545	81.8	40.0-120	
Anthracene	666	497	74.6	42.0-120	
Benzidine	1330	516	38.8	10.0-120	J
Benzo(a)anthracene	666	516	77.5	44.0-120	
Benzo(b)fluoranthene	666	491	73.7	43.0-120	
Benzo(k)fluoranthene	666	490	73.6	44.0-120	
Benzo(g,h,i)perylene	666	475	71.3	43.0-120	
Benzo(a)pyrene	666	502	75.4	45.0-120	
Bis(2-chlorethoxy)methane	666	344	51.7	20.0-120	
Bis(2-chloroethyl)ether	666	393	59.0	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4198785-1 04/12/25 17:26

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	666	337	50.6	23.0-120	
4-Bromophenyl-phenylether	666	561	84.2	40.0-120	
2-Chloronaphthalene	666	463	69.5	35.0-120	
4-Chlorophenyl-phenylether	666	522	78.4	40.0-120	
Chrysene	666	496	74.5	43.0-120	
Dibenz(a,h)anthracene	666	511	76.7	44.0-120	
1,2-Dichlorobenzene	666	385	57.8	32.0-120	
1,3-Dichlorobenzene	666	375	56.3	30.0-120	
1,4-Dichlorobenzene	666	395	59.3	31.0-120	
3,3-Dichlorobenzidine	1330	1020	76.7	28.0-120	
2,4-Dinitrotoluene	666	574	86.2	45.0-120	
2,6-Dinitrotoluene	666	518	77.8	42.0-120	
Fluoranthene	666	543	81.5	44.0-120	
Fluorene	666	502	75.4	41.0-120	
Hexachlorobenzene	666	514	77.2	39.0-120	
Hexachloro-1,3-butadiene	666	333	50.0	15.0-120	J
Hexachlorocyclopentadiene	666	352	52.9	15.0-120	
Hexachloroethane	666	377	56.6	17.0-120	
Indeno(1,2,3-cd)pyrene	666	481	72.2	45.0-120	
Isophorone	666	352	52.9	23.0-120	
Naphthalene	666	349	52.4	18.0-120	
Nitrobenzene	666	328	49.2	17.0-120	J
n-Nitrosodimethylamine	666	383	57.5	10.0-125	
n-Nitrosodiphenylamine	666	508	76.3	40.0-120	
n-Nitrosodi-n-propylamine	666	377	56.6	26.0-120	
Phenanthrene	666	493	74.0	42.0-120	
Benzylbutyl phthalate	666	542	81.4	40.0-120	
Bis(2-ethylhexyl)phthalate	666	577	86.6	41.0-120	
Di-n-butyl phthalate	666	564	84.7	43.0-120	
Diethyl phthalate	666	534	80.2	43.0-120	
Dimethyl phthalate	666	533	80.0	43.0-120	
Di-n-octyl phthalate	666	513	77.0	40.0-120	
Pyrene	666	481	72.2	41.0-120	
1,2,4-Trichlorobenzene	666	369	55.4	17.0-120	
4-Chloro-3-methylphenol	666	394	59.2	28.0-120	
2-Chlorophenol	666	387	58.1	28.0-120	
2,4-Dichlorophenol	666	406	61.0	25.0-120	
2,4-Dimethylphenol	666	348	52.3	15.0-120	
4,6-Dinitro-2-methylphenol	666	666	100	16.0-120	
2,4-Dinitrophenol	666	569	85.4	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4198785-1 04/12/25 17:26

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	666	420	63.1	20.0-120	
4-Nitrophenol	666	581	87.2	27.0-120	
Pentachlorophenol	666	497	74.6	29.0-120	
Phenol	666	401	60.2	28.0-120	
2,4,6-Trichlorophenol	666	532	79.9	37.0-120	
(S) 2-Fluorophenol			*69.4*	*12.0-120*	
(S) Phenol-d5			*65.5*	*10.0-120*	
(S) Nitrobenzene-d5			*56.8*	*10.0-122*	
(S) 2-Fluorobiphenyl			*74.8*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*90.2*	*10.0-127*	
(S) p-Terphenyl-d14			*77.2*	*10.0-120*	

L1847156-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847156-01 04/12/25 19:28 • (MS) R4198785-3 04/12/25 19:48 • (MSD) R4198785-4 04/12/25 20:09

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	716	U	547	523	76.3	73.5	2	18.0-120			4.33	32
Acenaphthylene	716	U	603	583	84.2	81.9	2	25.0-120			3.35	32
Anthracene	716	U	563	582	78.6	81.7	2	22.0-120			3.27	29
Benzidine	1430	U	304	342	21.2	24.0	2	10.0-120	J	J	11.6	40
Benzo(a)anthracene	716	45.0	643	651	83.6	85.2	2	25.0-120			1.19	29
Benzo(b)fluoranthene	716	101	694	683	82.8	81.7	2	19.0-122			1.60	31
Benzo(k)fluoranthene	716	30.4	585	580	77.4	77.2	2	23.0-120			0.946	30
Benzo(g,h,i)perylene	716	70.7	566	562	69.2	69.0	2	10.0-120			0.781	33
Benzo(a)pyrene	716	68.1	664	658	83.3	82.8	2	24.0-120			1.00	30
Bis(2-chlorethoxy)methane	716	U	420	411	58.6	57.7	2	10.0-120	J	J	2.12	34
Bis(2-chloroethyl)ether	716	U	462	435	64.5	61.1	2	10.0-120	J	J	5.90	40
2,2-Oxybis(1-Chloropropane)	716	U	386	366	53.8	51.4	2	10.0-120	J	J	5.28	40
4-Bromophenyl-phenylether	716	U	640	629	89.4	88.4	2	27.0-120	J	J	1.74	30
2-Chloronaphthalene	716	U	517	500	72.2	70.3	2	20.0-120			3.25	32
4-Chlorophenyl-phenylether	716	U	590	576	82.3	81.0	2	24.0-120	J	J	2.27	29
Chrysene	716	48.3	632	635	81.6	82.4	2	21.0-120			0.348	29
Dibenz(a,h)anthracene	716	U	523	544	73.1	76.5	2	10.0-120			3.92	32
1,2-Dichlorobenzene	716	U	414	405	57.8	57.0	2	10.0-120	J	J	2.15	38
1,3-Dichlorobenzene	716	U	410	387	57.2	54.3	2	10.0-120	J	J	5.81	40
1,4-Dichlorobenzene	716	U	420	403	58.6	56.7	2	10.0-120	J	J	4.02	39
3,3-Dichlorobenzidine	1430	U	1090	1150	76.2	80.6	2	10.0-120			4.93	34
2,4-Dinitrotoluene	716	U	638	645	89.1	90.6	2	30.0-120	J	J	1.03	31

L1847156-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847156-01 04/12/25 19:28 • (MS) R4198785-3 04/12/25 19:48 • (MSD) R4198785-4 04/12/25 20:09

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	716	U	559	554	78.0	77.9	2	25.0-120	J	J	0.792	31
Fluoranthene	716	73.2	697	709	87.2	89.3	2	18.0-126			1.57	32
Fluorene	716	U	562	565	78.5	79.4	2	25.0-120			0.587	30
Hexachlorobenzene	716	U	596	583	83.2	81.9	2	27.0-120	J	J	2.24	28
Hexachloro-1,3-butadiene	716	U	413	405	57.7	57.0	2	10.0-120	J	J	1.88	38
Hexachlorocyclopentadiene	716	U	U	U	3.00	4.54	2	10.0-120	J J6	J J3 J6	40.2	40
Hexachloroethane	716	U	283	296	39.5	41.6	2	10.0-120	J	J	4.56	40
Indeno(1,2,3-cd)pyrene	716	71.1	617	610	76.2	75.8	2	10.0-120			1.08	32
Isophorone	716	U	424	424	59.2	59.6	2	13.0-120	J	J	0.000	34
Naphthalene	716	U	434	420	60.6	59.0	2	10.0-120			3.35	35
Nitrobenzene	716	U	388	385	54.2	54.0	2	10.0-120	J	J	0.856	36
n-Nitrosodimethylamine	716	U	386	375	53.8	52.6	2	10.0-127	J	J	2.90	40
n-Nitrosodiphenylamine	716	U	590	597	82.3	83.9	2	17.0-120	J	J	1.30	29
n-Nitrosodi-n-propylamine	716	U	444	426	62.0	59.9	2	10.0-120	J	J	4.05	37
Phenanthrene	716	23.5	567	577	76.0	77.8	2	17.0-120			1.73	31
Benzylbutyl phthalate	716	U	662	668	92.5	93.8	2	23.0-120	J	J	0.828	30
Bis(2-ethylhexyl)phthalate	716	U	688	715	96.0	100	2	17.0-126	J	J	3.93	30
Di-n-butyl phthalate	716	U	639	652	89.2	91.6	2	30.0-120	J	J	2.05	29
Diethyl phthalate	716	U	609	602	85.1	84.5	2	26.0-120	J	J	1.27	28
Dimethyl phthalate	716	U	593	581	82.8	81.6	2	25.0-120	J	J	2.07	29
Di-n-octyl phthalate	716	U	694	710	96.9	99.7	2	21.0-123	J	J	2.20	29
Pyrene	716	66.0	629	631	78.6	79.4	2	16.0-121			0.350	32
1,2,4-Trichlorobenzene	716	U	455	443	63.5	62.2	2	12.0-120	J	J	2.70	37
4-Chloro-3-methylphenol	716	U	496	507	69.2	71.2	2	15.0-120	J	J	2.20	30
2-Chlorophenol	716	U	439	421	61.2	59.1	2	15.0-120	J	J	4.10	37
2,4-Dichlorophenol	716	U	497	493	69.4	69.2	2	20.0-120	J	J	0.891	31
2,4-Dimethylphenol	716	U	422	415	58.9	58.4	2	10.0-120	J	J	1.58	33
4,6-Dinitro-2-methylphenol	716	U	688	689	96.0	96.7	2	10.0-120	J	J	0.160	39
2,4-Dinitrophenol	716	U	601	567	83.8	79.7	2	10.0-121	J	J	5.66	40
2-Nitrophenol	716	U	479	478	66.9	67.2	2	12.0-120	J	J	0.230	39
4-Nitrophenol	716	U	650	628	90.8	88.2	2	10.0-137	J	J	3.45	32
Pentachlorophenol	716	U	601	621	83.8	87.3	2	10.0-160	J	J	3.43	31
Phenol	716	U	456	432	63.7	60.7	2	12.0-120	J	J	5.46	38
2,4,6-Trichlorophenol	716	U	605	618	84.5	86.8	2	19.0-120	J	J	2.16	32
(S) 2-Fluorophenol					*72.0*	*69.5*		*12.0-120*				
(S) Phenol-d5					*67.6*	*66.0*		*10.0-120*				
(S) Nitrobenzene-d5					*62.2*	*60.1*		*10.0-122*				
(S) 2-Fluorobiphenyl					*75.7*	*72.1*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*90.4*	*97.8*		*10.0-127*				

L1847156-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847156-01 04/12/25 19:28 • (MS) R4198785-3 04/12/25 19:48 • (MSD) R4198785-4 04/12/25 20:09

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
	ug/kg	ug/kg	ug/kg	ug/kg	%	%		%			%	%
(S) p-Terphenyl-d14					*78.8*	*81.1*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure.

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.
MDL (dry)	Method Detection Limit.
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.
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.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C7	The initial calibration verification standard (SSCV) associated with this data responded high.
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.
J4	The associated batch QC was outside the established quality control range for accuracy.
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.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

GLOSSARY OF TERMS

Qualifier	Description
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Company Name/Address:
CTEH - ER

5120 North Shore Drive
North Little Rock, AR 72118

Billing Information:
Accounts Payable
10700 Prairie Lakes Drive
Eden Prairie, MN 55344

Pres Chk

Report to:
CTEH 501-801-8500

Email To:
labresults@cteh.com;ahenault@cteh.com;kylel

Project Description:
Bishop Loss of Containment Incident

City/State Collected: Galeton, CO

Please Circle: PT (MT) CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
PROJ-054017

Lab Project #
CTEHER-054017

Collected by (print):
Lisa Howes

Site/Facility ID #

P.O. #

Collected by (signature):
LH

Immediately Packed on Ice N ____ Y X

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

Quote #

Date Results Needed: ASAP

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DRONM 4ozClr-NoPres	GRO 40mlAmb/~~MeOH 10ml/Syr~~ (2) 4oz Clr -NoPres	M6010TAL 4ozClr-NoPres	SV8270 4ozClr-NoPres	TS 4ozClr-NoPres	V8260 40mlAmb/~~MeOH10ml/Syr~~ (2) 4oz Clr -NoPres	EPA 300.0 Cations Calcium, Sodium, Magnesium, Manganese, Potassium, Iron	EPA 300.0 Anions Bromide, Chloride, Fluoride, Sulfate, Phosphorus, Total Nitrogen, Nitrate, Nitrite	EPA 415.1 - Total Organic Carbon	USDA 208 - Sodium Adsorption Ratio	Remarks	Sample # (lab only)
GAC0B411S001	Grab	SS	—	04-11-25	1550	6	X	X	X	X	X	X	X	X	X	X		-01
GAC0B411S002	Grab	SS	—	04-11-25	1625	6	X	X	X	X	X	X	X	X	X	X		02
GAC0B411S003	Grab	SS	—	04-11-25	1640	6	X	X	X	X	X	X	X	X	X	X		03
GAC0B411S004	Grab	SS	—	04-11-25	1650	6	X	X	X	X	X	X	X	X	X	X		04
GAC0B411S005	Grab	SS	—	04-11-25	1705	6	X	X	X	X	X	X	X	X	X	X		05
GAC0B411T001	Grab	~~OT~~ SS	—	04-11-25	—	1	—	—	—	—	—	—	—	—	—	—		06
GAC0B411T002	Grab	~~OT~~ SS	—	04-11-25	—	1	—	—	—	—	—	—	—	—	—	—		07
		SS																
		SS																
		SS																

Chain of Custody Page 1 of 2

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 # L1547156
B041

Acctnum: **CTEHER**
Template: **T271988**
Prelogin: **P1144506**
PM: **546 - Jared Starkey**
PB:

Shipped Via:

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

Remarks:
Analysis list continued on page 2

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)
LH	04-11-2025	19:15	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4-11-25	21:00	SWA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: (Yes) / No
HCl / MeoH
TBR
2

Temp: °C Bottles Received: 30

Date: 4-12-25 Time: 0145

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Company Name/Address:
CTEH - ER

5120 North Shore Drive
North Little Rock, AR 72118

Billing Information:
Accounts Payable
10700 Prairie Lakes Drive
Eden Prairie, MN 55344

Pres Chk

Report to:
CTEH 501-801-8500

Email To:
labresults@cteh.com;ahenault@cteh.com;kylel

Project Description:
Bishop Loss of Containment Incident

City/State Collected: Galeton, CO

Please Circle: PT (MT) CT ET

Regulatory Program(DOD,RCRA,DW,etc):

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PROJ-054017

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Collected by (print):
Lisa Howes

Site/Facility ID #

P.O. #

Collected by (signature):
LH

Immediately Packed on Ice N ____ Y X

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day ____ 5 Day (Rad Only)
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Quote #

Date Results Needed
ASAP

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DRONM 4ozClr-NoPres	GRO 40mlAmb/MeOH10ml/Syr	M6010TAL 4ozClr-NoPres	SV8270 4ozClr-NoPres	TS 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	EPA 9050A - Electrical Conductivity	EPA 901.1 - Radionuclides Uranium 226 Radium 228	HCl Trip Blank - 8260	—	Remarks	Sample # (lab only)
GACOB411S001	Grab	SS	—	04-11-25	1550	6	—	—	—	—	—	—	X	X	—	—		-01
GACOB411S002	Grab	SS	—	04-11-25	1625	6	—	—	—	—	—	—	X	X	—	—		02
GACOB411S003	Grab	SS	—	04-11-25	1640	6	—	—	—	—	—	—	X	X	—	—		03
GACOB411S004	Grab	SS	—	04-11-25	1650	6	—	—	—	—	—	—	X	X	—	—		04
(LH) ~~GACO~~ GACOB411S005	Grab	SS	—	04-11-25	1705	6	—	—	—	—	—	—	X	X	—	—		05
GACOB411T001	Grab	~~OT~~ SS	—	04-11-25	—	1	—	—	—	—	—	—	—	—	X	—		06
GACOB411T002	Grab	~~OT~~ SS	—	04-11-25	—	1	—	—	—	—	—	—	—	—	X	—		07
		SS																
		SS																
		SS																

Chain of Custody Page 2 of 2

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 # L1847156

Table #

Acctnum: **CTEHER**
Template: **T271988**
Prelogin: **P1144506**
PM: **546 - Jared Starkey**
PB:

Shipped Via:

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

Remarks:
Analysis list continued from page 1

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)
LH	04-11-2025	19:15	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4-11-25	21:00	SWA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: (Yes) / No
2 HCL / MeoH
TBR

Temp: °C Bottles Received: 30

Date: 4-12-25 Time: 1145

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Multiple Parcel Form L# L1847156

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
5266 2636 7841	TLA9	1.3	0.4	1.7	Yes / No / Not Present
↓	↓	1.8	↓	2.2	Yes / No / Not Present
↓	↓	1.1	↓	1.5	Yes / No / Not Present
↓	↓	2.2	↓	2.6	Yes / No / Not Present
↓	↓	0.1	↓	0.5	Yes / No / Not Present
↓	↓	2.5	↓	2.9	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

[signature] 4-12-25

Name Date