

CTEH - ER

Sample Delivery Group: L1847544
Samples Received: 04/13/2025
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

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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

SAMPLE SUMMARY

GACO0412P001-D L1847544-01 Solid

Collected by L. Howes
Collected date/time 04/12/25 12:58
Received date/time 04/13/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2489513	1	04/13/25 13:30	04/13/25 13:32	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2489614	1	04/13/25 16:24	04/14/25 09:37	EKB	Mt. Juliet, TN
Mercury by Method 7471B	WG2489622	1	04/13/25 16:38	04/13/25 20:03	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2489616	1	04/13/25 16:41	04/13/25 22:03	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2489566	1	04/13/25 13:45	04/13/25 17:52	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2489584	1	04/13/25 13:45	04/13/25 20:38	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2489494	20	04/13/25 17:24	04/14/25 00:58	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2489487	10	04/13/25 19:39	04/14/25 17:21	LS	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

GACO0412D001-D L1847544-02 Solid

Collected by L. Howes
Collected date/time 04/12/25 13:12
Received date/time 04/13/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2489513	1	04/13/25 13:30	04/13/25 13:32	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2489614	1	04/13/25 16:24	04/14/25 09:46	EKB	Mt. Juliet, TN
Mercury by Method 7471B	WG2489622	1	04/13/25 16:38	04/13/25 20:06	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2489616	1	04/13/25 16:41	04/13/25 22:04	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2489566	1	04/13/25 13:45	04/13/25 18:16	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2489584	1	04/13/25 13:45	04/13/25 20:58	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2489494	1	04/13/25 17:24	04/14/25 00:16	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2489487	1	04/13/25 19:39	04/14/25 09:34	LS	Mt. Juliet, TN

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

GACO0412D002-D L1847544-03 Solid

Collected by L. Howes
Collected date/time 04/12/25 13:27
Received date/time 04/13/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2489513	1	04/13/25 13:30	04/13/25 13:32	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2489614	1	04/13/25 16:24	04/14/25 09:55	EKB	Mt. Juliet, TN
Mercury by Method 7471B	WG2489622	1	04/13/25 16:38	04/13/25 20:09	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2489616	1	04/13/25 16:41	04/13/25 22:06	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2489566	1	04/13/25 13:45	04/13/25 18:40	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2489584	1	04/13/25 13:45	04/13/25 21:18	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2489494	1	04/13/25 17:24	04/14/25 00:29	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2489487	1	04/13/25 19:39	04/14/25 10:15	LS	Mt. Juliet, TN

GACO0412T001-D L1847544-04 GW

Collected by L. Howes
Collected date/time 04/12/25 15:25
Received date/time 04/13/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2489586	1	04/13/25 16:55	04/13/25 16:55	WHS	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

Project Comments

The project number was incorrect on the original COC, revised COC has the corrected project number.

Metals (ICP) by Method 6010D

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2489616	Vanadium	L1847544-02, 03

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

Batch	Lab Sample ID	Analytes
WG2489616	(MS) R4198994-5, (MSD) R4198994-6	Aluminum, Magnesium, Manganese and Vanadium

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

Batch	Lab Sample ID	Analytes
WG2489616	(MS) R4198994-5	Calcium

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

Batch	Lab Sample ID	Analytes
WG2489616	(MS) R4198994-5, (MSD) R4198994-6	Iron

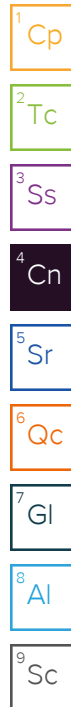
The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2489616	(MSD) R4198994-6	Calcium, Iron and Manganese

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

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2489566	TPH (GC/FID) Low Fraction	L1847544-01



CASE NARRATIVE

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
WG2489584	L1847544-01	1,1,2,2-Tetrachloroethane, 1,1-Dichloroethene, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Methylene Chloride, trans-1,2-Dichloroethene and Vinyl chloride
WG2489584	L1847544-02	1,1,2,2-Tetrachloroethane, 1,1-Dichloroethene, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Methylene Chloride, trans-1,2-Dichloroethene and Vinyl chloride
WG2489584	L1847544-03	1,1,2,2-Tetrachloroethane, 1,1-Dichloroethene, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Methylene Chloride, trans-1,2-Dichloroethene and Vinyl chloride
WG2489586	L1847544-04	Acrolein, cis-1,3-Dichloropropene and Naphthalene

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2489584	Toluene	L1847544-01, 02, 03

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

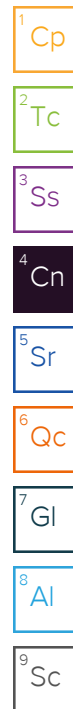
Batch	Lab Sample ID	Analytes
WG2489584	(LCS) R4199022-1, L1847544-01, 02, 03	1,2,3-Trichlorobenzene

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

Batch	Lab Sample ID	Analytes
WG2489584	(LCS) R4199022-1, L1847544-01, 02, 03	Bromomethane, Chloroethane and Vinyl chloride
WG2489586	(LCS) R4198906-1, L1847544-04	cis-1,3-Dichloropropene

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

Batch	Lab Sample ID	Analytes
WG2489586	(LCSD) R4198906-2, L1847544-04	Trichlorofluoromethane



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

Surrogate recovery cannot be used for control limit evaluation due to dilution.

Batch	Analyte	Lab Sample ID
WG2489494	o-Terphenyl	L1847544-01

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
WG2489487	L1847544-01	2,4-Dimethylphenol, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, 4-Chlorophenyl-phenylether, Bis(2-chloroethyl)ether, Hexachloro-1,3-butadiene, Hexachlorobenzene and Pentachlorophenol
WG2489487	L1847544-02	2,2-Oxybis(1-Chloropropane), 2,4-Dimethylphenol and Bis(2-chloroethyl)ether
WG2489487	L1847544-03	2,2-Oxybis(1-Chloropropane), 2,4-Dimethylphenol and Bis(2-chloroethyl)ether

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

Batch	Lab Sample ID	Analytes
WG2489487	L1847544-02	Benzidine and Hexachlorocyclopentadiene
WG2489487	L1847544-03	Benzidine and Hexachlorocyclopentadiene

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	79.2		1	04/13/2025 13:32	WG2489513

1
Cp

2
Tc

Wet Chemistry by Method 7199

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Hexavalent Chromium	U		479	1260	1	04/14/2025 09:37	WG2489614

3
Ss

4
Cn

Mercury by Method 7471B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Mercury	U		26.0	50.5	1	04/13/2025 20:03	WG2489622

5
Sr

6
Qc

Metals (ICP) by Method 6010D

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Aluminum	7580000		7680	25300	1	04/13/2025 22:03	WG2489616
Antimony	U		873	2530	1	04/13/2025 22:03	WG2489616
Arsenic	4150		1060	2530	1	04/13/2025 22:03	WG2489616
Barium	103000		107	631	1	04/13/2025 22:03	WG2489616
Beryllium	670		60.2	253	1	04/13/2025 22:03	WG2489616
Cadmium	368	J	82.5	631	1	04/13/2025 22:03	WG2489616
Calcium	47700000		24000	126000	1	04/13/2025 22:03	WG2489616
Chromium	9730		270	1260	1	04/13/2025 22:03	WG2489616
Cobalt	5420		224	1260	1	04/13/2025 22:03	WG2489616
Copper	19400		451	2530	1	04/13/2025 22:03	WG2489616
Iron	11700000		2830	12600	1	04/13/2025 22:03	WG2489616
Lead	15300		412	631	1	04/13/2025 22:03	WG2489616
Magnesium	5490000		25100	126000	1	04/13/2025 22:03	WG2489616
Manganese	338000		218	1260	1	04/13/2025 22:03	WG2489616
Nickel	10800		253	2530	1	04/13/2025 22:03	WG2489616
Potassium	2530000		26400	126000	1	04/13/2025 22:03	WG2489616
Selenium	U		1350	2530	1	04/13/2025 22:03	WG2489616
Silver	380	J	160	1260	1	04/13/2025 22:03	WG2489616
Sodium	949000		52000	126000	1	04/13/2025 22:03	WG2489616
Thallium	U		654	2530	1	04/13/2025 22:03	WG2489616
Vanadium	18700		484	2530	1	04/13/2025 22:03	WG2489616
Zinc	66500		1230	6310	1	04/13/2025 22:03	WG2489616

7
Gl

8
Al

9
Sc

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
TPH (GC/FID) Low Fraction	49.4	B J	27.4	126	1	04/13/2025 17:52	WG2489566
(S) a,a,a-Trifluorotoluene(FID)	88.7			77.0-120		04/13/2025 17:52	WG2489566

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Acetone	U		55.7	76.3	1	04/13/2025 20:38	WG2489584
Acrylonitrile	U		5.51	19.1	1	04/13/2025 20:38	WG2489584
Benzene	U		0.713	1.53	1	04/13/2025 20:38	WG2489584
Bromobenzene	U		1.37	19.1	1	04/13/2025 20:38	WG2489584
Bromodichloromethane	U		1.11	3.82	1	04/13/2025 20:38	WG2489584
Bromoform	U		1.79	38.2	1	04/13/2025 20:38	WG2489584

GACO0412P001-D

SAMPLE RESULTS - 01

Collected date/time: 04/12/25 12:58

L1847544

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
Bromomethane	U	C3 J4	3.01	19.1	1	04/13/2025 20:38	WG2489584
n-Butylbenzene	U		8.02	19.1	1	04/13/2025 20:38	WG2489584
sec-Butylbenzene	U		4.40	19.1	1	04/13/2025 20:38	WG2489584
tert-Butylbenzene	U		2.98	7.63	1	04/13/2025 20:38	WG2489584
Carbon tetrachloride	U		1.37	7.63	1	04/13/2025 20:38	WG2489584
Chlorobenzene	U		0.321	3.82	1	04/13/2025 20:38	WG2489584
Chlorodibromomethane	U		0.935	3.82	1	04/13/2025 20:38	WG2489584
Chloroethane	U	C3 J4	2.60	7.63	1	04/13/2025 20:38	WG2489584
Chloroform	U		1.57	3.82	1	04/13/2025 20:38	WG2489584
Chloromethane	U	C3	6.64	19.1	1	04/13/2025 20:38	WG2489584
2-Chlorotoluene	U		1.32	3.82	1	04/13/2025 20:38	WG2489584
4-Chlorotoluene	U		0.687	7.63	1	04/13/2025 20:38	WG2489584
1,2-Dibromo-3-Chloropropane	U		5.96	38.2	1	04/13/2025 20:38	WG2489584
1,2-Dibromoethane	U		0.989	3.82	1	04/13/2025 20:38	WG2489584
Dibromomethane	U		1.15	7.63	1	04/13/2025 20:38	WG2489584
1,2-Dichlorobenzene	U		0.649	7.63	1	04/13/2025 20:38	WG2489584
1,3-Dichlorobenzene	U		0.916	7.63	1	04/13/2025 20:38	WG2489584
1,4-Dichlorobenzene	U		1.07	7.63	1	04/13/2025 20:38	WG2489584
Dichlorodifluoromethane	U	C3	2.46	7.63	1	04/13/2025 20:38	WG2489584
1,1-Dichloroethane	U		0.750	3.82	1	04/13/2025 20:38	WG2489584
1,2-Dichloroethane	U		0.991	3.82	1	04/13/2025 20:38	WG2489584
1,1-Dichloroethene	U	C3	0.925	3.82	1	04/13/2025 20:38	WG2489584
cis-1,2-Dichloroethene	U		1.12	3.82	1	04/13/2025 20:38	WG2489584
trans-1,2-Dichloroethene	U	C3	1.59	7.63	1	04/13/2025 20:38	WG2489584
1,2-Dichloropropane	U		2.17	7.63	1	04/13/2025 20:38	WG2489584
1,1-Dichloropropene	U		1.24	3.82	1	04/13/2025 20:38	WG2489584
1,3-Dichloropropane	U		0.765	7.63	1	04/13/2025 20:38	WG2489584
cis-1,3-Dichloropropene	U		1.16	3.82	1	04/13/2025 20:38	WG2489584
trans-1,3-Dichloropropene	U		1.74	7.63	1	04/13/2025 20:38	WG2489584
2,2-Dichloropropane	U		2.11	3.82	1	04/13/2025 20:38	WG2489584
Di-isopropyl ether	U		0.626	1.53	1	04/13/2025 20:38	WG2489584
Ethylbenzene	U		1.13	3.82	1	04/13/2025 20:38	WG2489584
Hexachloro-1,3-butadiene	U		9.16	38.2	1	04/13/2025 20:38	WG2489584
Isopropylbenzene	U		0.649	3.82	1	04/13/2025 20:38	WG2489584
p-Isopropyltoluene	U		3.89	7.63	1	04/13/2025 20:38	WG2489584
2-Butanone (MEK)	U		97.0	153	1	04/13/2025 20:38	WG2489584
Methylene Chloride	U	C3	10.1	38.2	1	04/13/2025 20:38	WG2489584
4-Methyl-2-pentanone (MIBK)	U		3.48	38.2	1	04/13/2025 20:38	WG2489584
Methyl tert-butyl ether	U		0.534	1.53	1	04/13/2025 20:38	WG2489584
Naphthalene	U		7.45	19.1	1	04/13/2025 20:38	WG2489584
n-Propylbenzene	U		1.45	7.63	1	04/13/2025 20:38	WG2489584
Styrene	U		0.350	19.1	1	04/13/2025 20:38	WG2489584
1,1,1,2-Tetrachloroethane	U		1.45	3.82	1	04/13/2025 20:38	WG2489584
1,1,2,2-Tetrachloroethane	U	C3	1.06	3.82	1	04/13/2025 20:38	WG2489584
1,1,2-Trichlorotrifluoroethane	U		1.15	3.82	1	04/13/2025 20:38	WG2489584
Tetrachloroethene	U		1.37	3.82	1	04/13/2025 20:38	WG2489584
Toluene	3.77	B J	1.99	7.63	1	04/13/2025 20:38	WG2489584
1,2,3-Trichlorobenzene	U	J4	11.2	19.1	1	04/13/2025 20:38	WG2489584
1,2,4-Trichlorobenzene	U		6.72	19.1	1	04/13/2025 20:38	WG2489584
1,1,1-Trichloroethane	U		1.41	3.82	1	04/13/2025 20:38	WG2489584
1,1,2-Trichloroethane	U		0.912	3.82	1	04/13/2025 20:38	WG2489584
Trichloroethene	U		0.892	1.53	1	04/13/2025 20:38	WG2489584
Trichlorofluoromethane	U		1.26	3.82	1	04/13/2025 20:38	WG2489584
1,2,3-Trichloropropane	U		2.47	19.1	1	04/13/2025 20:38	WG2489584
1,2,4-Trimethylbenzene	U		2.41	7.63	1	04/13/2025 20:38	WG2489584
1,2,3-Trimethylbenzene	U		2.41	7.63	1	04/13/2025 20:38	WG2489584

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
1,3,5-Trimethylbenzene	U		3.05	7.63	1	04/13/2025 20:38	WG2489584
Vinyl chloride	U	C3 J4	1.77	3.82	1	04/13/2025 20:38	WG2489584
Xylenes, Total	U		1.34	9.93	1	04/13/2025 20:38	WG2489584
(S) Toluene-d8	115			75.0-131		04/13/2025 20:38	WG2489584
(S) 4-Bromofluorobenzene	91.3			67.0-138		04/13/2025 20:38	WG2489584
(S) 1,2-Dichloroethane-d4	102			70.0-130		04/13/2025 20:38	WG2489584

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	87100	J	40700	101000	20	04/14/2025 00:58	WG2489494
C28-C36 Motor Oil Range	170000		6920	101000	20	04/14/2025 00:58	WG2489494
(S) o-Terphenyl	0.000	J7		18.0-148		04/14/2025 00:58	WG2489494

Sample Narrative:

L1847544-01 WG2489494: 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		68.1	421	10	04/14/2025 17:21	WG2489487
Acenaphthylene	U		59.2	421	10	04/14/2025 17:21	WG2489487
Anthracene	U		74.9	421	10	04/14/2025 17:21	WG2489487
Benzidine	U		791	21100	10	04/14/2025 17:21	WG2489487
Benzo(a)anthracene	U		74.1	421	10	04/14/2025 17:21	WG2489487
Benzo(b)fluoranthene	U		78.4	421	10	04/14/2025 17:21	WG2489487
Benzo(k)fluoranthene	U		74.8	421	10	04/14/2025 17:21	WG2489487
Benzo(g,h,i)perylene	U		76.9	421	10	04/14/2025 17:21	WG2489487
Benzo(a)pyrene	U		78.2	421	10	04/14/2025 17:21	WG2489487
Bis(2-chlorethoxy)methane	U		126	4210	10	04/14/2025 17:21	WG2489487
Bis(2-chloroethyl)ether	U	C3	139	4210	10	04/14/2025 17:21	WG2489487
2,2-Oxybis(1-Chloropropane)	U		182	4210	10	04/14/2025 17:21	WG2489487
4-Bromophenyl-phenylether	U		148	4210	10	04/14/2025 17:21	WG2489487
2-Chloronaphthalene	U		73.9	421	10	04/14/2025 17:21	WG2489487
4-Chlorophenyl-phenylether	U	C3	147	4210	10	04/14/2025 17:21	WG2489487
Chrysene	U		83.6	421	10	04/14/2025 17:21	WG2489487
Dibenz(a,h)anthracene	U		117	421	10	04/14/2025 17:21	WG2489487
1,2-Dichlorobenzene	U		125	4210	10	04/14/2025 17:21	WG2489487
1,3-Dichlorobenzene	U		128	4210	10	04/14/2025 17:21	WG2489487
1,4-Dichlorobenzene	U		125	4210	10	04/14/2025 17:21	WG2489487
3,3-Dichlorobenzidine	U		155	4210	10	04/14/2025 17:21	WG2489487
2,4-Dinitrotoluene	U		121	4210	10	04/14/2025 17:21	WG2489487
2,6-Dinitrotoluene	U		138	4210	10	04/14/2025 17:21	WG2489487
Fluoranthene	U		75.9	421	10	04/14/2025 17:21	WG2489487
Fluorene	U		68.5	421	10	04/14/2025 17:21	WG2489487
Hexachlorobenzene	U	C3	149	4210	10	04/14/2025 17:21	WG2489487
Hexachloro-1,3-butadiene	U	C3	141	4210	10	04/14/2025 17:21	WG2489487
Hexachlorocyclopentadiene	U		221	4210	10	04/14/2025 17:21	WG2489487
Hexachloroethane	U		165	4210	10	04/14/2025 17:21	WG2489487
Indeno(1,2,3-cd)pyrene	U		119	421	10	04/14/2025 17:21	WG2489487
Isophorone	U		129	4210	10	04/14/2025 17:21	WG2489487
Naphthalene	U		106	421	10	04/14/2025 17:21	WG2489487
Nitrobenzene	U		147	4210	10	04/14/2025 17:21	WG2489487
n-Nitrosodimethylamine	U		624	4210	10	04/14/2025 17:21	WG2489487
n-Nitrosodiphenylamine	U		318	4210	10	04/14/2025 17:21	WG2489487

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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
n-Nitrosodi-n-propylamine	U		140	4210	10	04/14/2025 17:21	WG2489487
Phenanthrene	U		83.5	421	10	04/14/2025 17:21	WG2489487
Benzylbutyl phthalate	U		131	4210	10	04/14/2025 17:21	WG2489487
Bis(2-ethylhexyl)phthalate	U		533	4210	10	04/14/2025 17:21	WG2489487
Di-n-butyl phthalate	U		144	4210	10	04/14/2025 17:21	WG2489487
Diethyl phthalate	U		139	4210	10	04/14/2025 17:21	WG2489487
Dimethyl phthalate	U		892	4210	10	04/14/2025 17:21	WG2489487
Di-n-octyl phthalate	U		284	4210	10	04/14/2025 17:21	WG2489487
Pyrene	U		81.8	421	10	04/14/2025 17:21	WG2489487
1,2,4-Trichlorobenzene	U		131	4210	10	04/14/2025 17:21	WG2489487
4-Chloro-3-methylphenol	U		136	4210	10	04/14/2025 17:21	WG2489487
2-Chlorophenol	U		139	4210	10	04/14/2025 17:21	WG2489487
2,4-Dichlorophenol	U		123	4210	10	04/14/2025 17:21	WG2489487
2,4-Dimethylphenol	U	C3	110	4210	10	04/14/2025 17:21	WG2489487
4,6-Dinitro-2-methylphenol	U	C3	954	4210	10	04/14/2025 17:21	WG2489487
2,4-Dinitrophenol	U	C3	984	4210	10	04/14/2025 17:21	WG2489487
2-Nitrophenol	U		150	4210	10	04/14/2025 17:21	WG2489487
4-Nitrophenol	U		131	4210	10	04/14/2025 17:21	WG2489487
Pentachlorophenol	U	C3	113	4210	10	04/14/2025 17:21	WG2489487
Phenol	U		169	4210	10	04/14/2025 17:21	WG2489487
2,4,6-Trichlorophenol	U		135	4210	10	04/14/2025 17:21	WG2489487
(S) 2-Fluorophenol	72.0			12.0-120		04/14/2025 17:21	WG2489487
(S) Phenol-d5	64.8			10.0-120		04/14/2025 17:21	WG2489487
(S) Nitrobenzene-d5	62.8			10.0-122		04/14/2025 17:21	WG2489487
(S) 2-Fluorobiphenyl	60.4			15.0-120		04/14/2025 17:21	WG2489487
(S) 2,4,6-Tribromophenol	51.1			10.0-127		04/14/2025 17:21	WG2489487
(S) p-Terphenyl-d14	65.0			10.0-120		04/14/2025 17:21	WG2489487

Sample Narrative:

L1847544-01 WG2489487: Cannot run at lower dilution due to viscosity of extract.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	81.7		1	04/13/2025 13:32	WG2489513

1
Cp

2
Tc

Wet Chemistry by Method 7199

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Hexavalent Chromium	U		464	1220	1	04/14/2025 09:46	WG2489614

3
Ss

4
Cn

Mercury by Method 7471B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Mercury	U		25.2	49.0	1	04/13/2025 20:06	WG2489622

5
Sr

6
Qc

Metals (ICP) by Method 6010D

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Aluminum	556000		7440	24500	1	04/13/2025 22:04	WG2489616
Antimony	U		846	2450	1	04/13/2025 22:04	WG2489616
Arsenic	U		1020	2450	1	04/13/2025 22:04	WG2489616
Barium	7170		104	612	1	04/13/2025 22:04	WG2489616
Beryllium	65.5	J	58.4	245	1	04/13/2025 22:04	WG2489616
Cadmium	139	J	79.9	612	1	04/13/2025 22:04	WG2489616
Calcium	2060000		23300	122000	1	04/13/2025 22:04	WG2489616
Chromium	639	J	262	1220	1	04/13/2025 22:04	WG2489616
Cobalt	420	J	217	1220	1	04/13/2025 22:04	WG2489616
Copper	U		437	2450	1	04/13/2025 22:04	WG2489616
Iron	1530000		2740	12200	1	04/13/2025 22:04	WG2489616
Lead	2030		399	612	1	04/13/2025 22:04	WG2489616
Magnesium	398000		24400	122000	1	04/13/2025 22:04	WG2489616
Manganese	35400		212	1220	1	04/13/2025 22:04	WG2489616
Nickel	758	J	245	2450	1	04/13/2025 22:04	WG2489616
Potassium	171000		25600	122000	1	04/13/2025 22:04	WG2489616
Selenium	U		1310	2450	1	04/13/2025 22:04	WG2489616
Silver	U		155	1220	1	04/13/2025 22:04	WG2489616
Sodium	122000	J	50400	122000	1	04/13/2025 22:04	WG2489616
Thallium	U		634	2450	1	04/13/2025 22:04	WG2489616
Vanadium	2960	B	469	2450	1	04/13/2025 22:04	WG2489616
Zinc	5650	J	1190	6120	1	04/13/2025 22:04	WG2489616

7
Gl

8
Al

9
Sc

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
TPH (GC/FID) Low Fraction	U		26.6	122	1	04/13/2025 18:16	WG2489566
(S) a,a,a-Trifluorotoluene(FID)	99.3			77.0-120		04/13/2025 18:16	WG2489566

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Acetone	U		53.2	72.9	1	04/13/2025 20:58	WG2489584
Acrylonitrile	U		5.26	18.2	1	04/13/2025 20:58	WG2489584
Benzene	U		0.681	1.46	1	04/13/2025 20:58	WG2489584
Bromobenzene	U		1.31	18.2	1	04/13/2025 20:58	WG2489584
Bromodichloromethane	U		1.06	3.64	1	04/13/2025 20:58	WG2489584
Bromoform	U		1.71	36.4	1	04/13/2025 20:58	WG2489584

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
Bromomethane	U	C3 J4	2.87	18.2	1	04/13/2025 20:58	WG2489584
n-Butylbenzene	U		7.65	18.2	1	04/13/2025 20:58	WG2489584
sec-Butylbenzene	U		4.20	18.2	1	04/13/2025 20:58	WG2489584
tert-Butylbenzene	U		2.84	7.29	1	04/13/2025 20:58	WG2489584
Carbon tetrachloride	U		1.31	7.29	1	04/13/2025 20:58	WG2489584
Chlorobenzene	U		0.306	3.64	1	04/13/2025 20:58	WG2489584
Chlorodibromomethane	U		0.892	3.64	1	04/13/2025 20:58	WG2489584
Chloroethane	U	C3 J4	2.48	7.29	1	04/13/2025 20:58	WG2489584
Chloroform	U		1.50	3.64	1	04/13/2025 20:58	WG2489584
Chloromethane	U	C3	6.34	18.2	1	04/13/2025 20:58	WG2489584
2-Chlorotoluene	U		1.26	3.64	1	04/13/2025 20:58	WG2489584
4-Chlorotoluene	U		0.656	7.29	1	04/13/2025 20:58	WG2489584
1,2-Dibromo-3-Chloropropane	U		5.68	36.4	1	04/13/2025 20:58	WG2489584
1,2-Dibromoethane	U		0.944	3.64	1	04/13/2025 20:58	WG2489584
Dibromomethane	U		1.09	7.29	1	04/13/2025 20:58	WG2489584
1,2-Dichlorobenzene	U		0.619	7.29	1	04/13/2025 20:58	WG2489584
1,3-Dichlorobenzene	U		0.874	7.29	1	04/13/2025 20:58	WG2489584
1,4-Dichlorobenzene	U		1.02	7.29	1	04/13/2025 20:58	WG2489584
Dichlorodifluoromethane	U	C3	2.35	7.29	1	04/13/2025 20:58	WG2489584
1,1-Dichloroethane	U		0.716	3.64	1	04/13/2025 20:58	WG2489584
1,2-Dichloroethane	U		0.946	3.64	1	04/13/2025 20:58	WG2489584
1,1-Dichloroethene	U	C3	0.883	3.64	1	04/13/2025 20:58	WG2489584
cis-1,2-Dichloroethene	U		1.07	3.64	1	04/13/2025 20:58	WG2489584
trans-1,2-Dichloroethene	U	C3	1.52	7.29	1	04/13/2025 20:58	WG2489584
1,2-Dichloropropane	U		2.07	7.29	1	04/13/2025 20:58	WG2489584
1,1-Dichloropropene	U		1.18	3.64	1	04/13/2025 20:58	WG2489584
1,3-Dichloropropane	U		0.730	7.29	1	04/13/2025 20:58	WG2489584
cis-1,3-Dichloropropene	U		1.10	3.64	1	04/13/2025 20:58	WG2489584
trans-1,3-Dichloropropene	U		1.66	7.29	1	04/13/2025 20:58	WG2489584
2,2-Dichloropropane	U		2.01	3.64	1	04/13/2025 20:58	WG2489584
Di-isopropyl ether	U		0.597	1.46	1	04/13/2025 20:58	WG2489584
Ethylbenzene	U		1.07	3.64	1	04/13/2025 20:58	WG2489584
Hexachloro-1,3-butadiene	U		8.74	36.4	1	04/13/2025 20:58	WG2489584
Isopropylbenzene	U		0.619	3.64	1	04/13/2025 20:58	WG2489584
p-Isopropyltoluene	U		3.72	7.29	1	04/13/2025 20:58	WG2489584
2-Butanone (MEK)	U		92.5	146	1	04/13/2025 20:58	WG2489584
Methylene Chloride	U	C3	9.68	36.4	1	04/13/2025 20:58	WG2489584
4-Methyl-2-pentanone (MIBK)	U		3.32	36.4	1	04/13/2025 20:58	WG2489584
Methyl tert-butyl ether	U		0.510	1.46	1	04/13/2025 20:58	WG2489584
Naphthalene	U		7.11	18.2	1	04/13/2025 20:58	WG2489584
n-Propylbenzene	U		1.38	7.29	1	04/13/2025 20:58	WG2489584
Styrene	U		0.334	18.2	1	04/13/2025 20:58	WG2489584
1,1,1,2-Tetrachloroethane	U		1.38	3.64	1	04/13/2025 20:58	WG2489584
1,1,2,2-Tetrachloroethane	U	C3	1.01	3.64	1	04/13/2025 20:58	WG2489584
1,1,2-Trichlorotrifluoroethane	U		1.10	3.64	1	04/13/2025 20:58	WG2489584
Tetrachloroethene	U		1.31	3.64	1	04/13/2025 20:58	WG2489584
Toluene	2.99	B J	1.89	7.29	1	04/13/2025 20:58	WG2489584
1,2,3-Trichlorobenzene	U	J4	10.7	18.2	1	04/13/2025 20:58	WG2489584
1,2,4-Trichlorobenzene	U		6.41	18.2	1	04/13/2025 20:58	WG2489584
1,1,1-Trichloroethane	U		1.35	3.64	1	04/13/2025 20:58	WG2489584
1,1,2-Trichloroethane	U		0.870	3.64	1	04/13/2025 20:58	WG2489584
Trichloroethene	U		0.851	1.46	1	04/13/2025 20:58	WG2489584
Trichlorofluoromethane	U		1.21	3.64	1	04/13/2025 20:58	WG2489584
1,2,3-Trichloropropane	U		2.36	18.2	1	04/13/2025 20:58	WG2489584
1,2,4-Trimethylbenzene	U		2.30	7.29	1	04/13/2025 20:58	WG2489584
1,2,3-Trimethylbenzene	U		2.30	7.29	1	04/13/2025 20:58	WG2489584

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
1,3,5-Trimethylbenzene	U		2.91	7.29	1	04/13/2025 20:58	WG2489584
Vinyl chloride	U	C3 J4	1.69	3.64	1	04/13/2025 20:58	WG2489584
Xylenes, Total	U		1.28	9.47	1	04/13/2025 20:58	WG2489584
(S) Toluene-d8	115			75.0-131		04/13/2025 20:58	WG2489584
(S) 4-Bromofluorobenzene	92.3			67.0-138		04/13/2025 20:58	WG2489584
(S) 1,2-Dichloroethane-d4	99.7			70.0-130		04/13/2025 20:58	WG2489584

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	3490	J	1970	4900	1	04/14/2025 00:16	WG2489494
C28-C36 Motor Oil Range	3460	J	335	4900	1	04/14/2025 00:16	WG2489494
(S) o-Terphenyl	71.8			18.0-148		04/14/2025 00:16	WG2489494

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		6.60	40.8	1	04/14/2025 09:34	WG2489487
Acenaphthylene	U		5.74	40.8	1	04/14/2025 09:34	WG2489487
Anthracene	U		7.26	40.8	1	04/14/2025 09:34	WG2489487
Benzidine	U	C7	76.6	2040	1	04/14/2025 09:34	WG2489487
Benzo(a)anthracene	U		7.19	40.8	1	04/14/2025 09:34	WG2489487
Benzo(b)fluoranthene	U		7.60	40.8	1	04/14/2025 09:34	WG2489487
Benzo(k)fluoranthene	U		7.25	40.8	1	04/14/2025 09:34	WG2489487
Benzo(g,h,i)perylene	U		7.45	40.8	1	04/14/2025 09:34	WG2489487
Benzo(a)pyrene	U		7.58	40.8	1	04/14/2025 09:34	WG2489487
Bis(2-chlorethoxy)methane	U		12.2	408	1	04/14/2025 09:34	WG2489487
Bis(2-chloroethyl)ether	U	C3	13.5	408	1	04/14/2025 09:34	WG2489487
2,2-Oxybis(1-Chloropropane)	U	C3	17.6	408	1	04/14/2025 09:34	WG2489487
4-Bromophenyl-phenylether	U		14.3	408	1	04/14/2025 09:34	WG2489487
2-Chloronaphthalene	U		7.16	40.8	1	04/14/2025 09:34	WG2489487
4-Chlorophenyl-phenylether	U		14.2	408	1	04/14/2025 09:34	WG2489487
Chrysene	U		8.10	40.8	1	04/14/2025 09:34	WG2489487
Dibenz(a,h)anthracene	U		11.3	40.8	1	04/14/2025 09:34	WG2489487
1,2-Dichlorobenzene	U		12.1	408	1	04/14/2025 09:34	WG2489487
1,3-Dichlorobenzene	U		12.4	408	1	04/14/2025 09:34	WG2489487
1,4-Dichlorobenzene	U		12.1	408	1	04/14/2025 09:34	WG2489487
3,3-Dichlorobenzidine	U		15.1	408	1	04/14/2025 09:34	WG2489487
2,4-Dinitrotoluene	U		11.7	408	1	04/14/2025 09:34	WG2489487
2,6-Dinitrotoluene	U		13.3	408	1	04/14/2025 09:34	WG2489487
Fluoranthene	U		7.36	40.8	1	04/14/2025 09:34	WG2489487
Fluorene	U		6.63	40.8	1	04/14/2025 09:34	WG2489487
Hexachlorobenzene	U		14.4	408	1	04/14/2025 09:34	WG2489487
Hexachloro-1,3-butadiene	U		13.7	408	1	04/14/2025 09:34	WG2489487
Hexachlorocyclopentadiene	U	C7	21.4	408	1	04/14/2025 09:34	WG2489487
Hexachloroethane	U		16.0	408	1	04/14/2025 09:34	WG2489487
Indeno(1,2,3-cd)pyrene	U		11.5	40.8	1	04/14/2025 09:34	WG2489487
Isophorone	U		12.5	408	1	04/14/2025 09:34	WG2489487
Naphthalene	U		10.2	40.8	1	04/14/2025 09:34	WG2489487
Nitrobenzene	U		14.2	408	1	04/14/2025 09:34	WG2489487
n-Nitrosodimethylamine	U		60.5	408	1	04/14/2025 09:34	WG2489487
n-Nitrosodiphenylamine	U		30.8	408	1	04/14/2025 09:34	WG2489487
n-Nitrosodi-n-propylamine	U		13.6	408	1	04/14/2025 09:34	WG2489487
Phenanthrene	U		8.09	40.8	1	04/14/2025 09:34	WG2489487
Benzylbutyl phthalate	U		12.7	408	1	04/14/2025 09:34	WG2489487

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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
Bis(2-ethylhexyl)phthalate	U		51.7	408	1	04/14/2025 09:34	WG2489487
Di-n-butyl phthalate	U		14.0	408	1	04/14/2025 09:34	WG2489487
Diethyl phthalate	U		13.5	408	1	04/14/2025 09:34	WG2489487
Dimethyl phthalate	U		86.4	408	1	04/14/2025 09:34	WG2489487
Di-n-octyl phthalate	U		27.5	408	1	04/14/2025 09:34	WG2489487
Pyrene	U		7.93	40.8	1	04/14/2025 09:34	WG2489487
1,2,4-Trichlorobenzene	U		12.7	408	1	04/14/2025 09:34	WG2489487
4-Chloro-3-methylphenol	U		13.2	408	1	04/14/2025 09:34	WG2489487
2-Chlorophenol	U		13.5	408	1	04/14/2025 09:34	WG2489487
2,4-Dichlorophenol	U		11.9	408	1	04/14/2025 09:34	WG2489487
2,4-Dimethylphenol	U	C3	10.6	408	1	04/14/2025 09:34	WG2489487
4,6-Dinitro-2-methylphenol	U		92.4	408	1	04/14/2025 09:34	WG2489487
2,4-Dinitrophenol	U		95.4	408	1	04/14/2025 09:34	WG2489487
2-Nitrophenol	U		14.6	408	1	04/14/2025 09:34	WG2489487
4-Nitrophenol	U		12.7	408	1	04/14/2025 09:34	WG2489487
Pentachlorophenol	U		11.0	408	1	04/14/2025 09:34	WG2489487
Phenol	U		16.4	408	1	04/14/2025 09:34	WG2489487
2,4,6-Trichlorophenol	U		13.1	408	1	04/14/2025 09:34	WG2489487
(S) 2-Fluorophenol	62.2			12.0-120		04/14/2025 09:34	WG2489487
(S) Phenol-d5	55.6			10.0-120		04/14/2025 09:34	WG2489487
(S) Nitrobenzene-d5	57.6			10.0-122		04/14/2025 09:34	WG2489487
(S) 2-Fluorobiphenyl	62.5			15.0-120		04/14/2025 09:34	WG2489487
(S) 2,4,6-Tribromophenol	59.9			10.0-127		04/14/2025 09:34	WG2489487
(S) p-Terphenyl-d14	65.9			10.0-120		04/14/2025 09:34	WG2489487

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	83.8		1	04/13/2025 13:32	WG2489513

¹ Cp

² Tc

Wet Chemistry by Method 7199

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Hexavalent Chromium	U		452	1190	1	04/14/2025 09:55	WG2489614

³ Ss

⁴ Cn

Mercury by Method 7471B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Mercury	U		24.6	47.7	1	04/13/2025 20:09	WG2489622

⁵ Sr

⁶ Qc

Metals (ICP) by Method 6010D

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Aluminum	463000		7250	23900	1	04/13/2025 22:06	WG2489616
Antimony	U		824	2390	1	04/13/2025 22:06	WG2489616
Arsenic	1140	J	999	2390	1	04/13/2025 22:06	WG2489616
Barium	7250		101	597	1	04/13/2025 22:06	WG2489616
Beryllium	U		56.9	239	1	04/13/2025 22:06	WG2489616
Cadmium	U		77.9	597	1	04/13/2025 22:06	WG2489616
Calcium	1640000		22700	119000	1	04/13/2025 22:06	WG2489616
Chromium	576	J	255	1190	1	04/13/2025 22:06	WG2489616
Cobalt	642	J	211	1190	1	04/13/2025 22:06	WG2489616
Copper	473	J	426	2390	1	04/13/2025 22:06	WG2489616
Iron	1750000		2670	11900	1	04/13/2025 22:06	WG2489616
Lead	2470		389	597	1	04/13/2025 22:06	WG2489616
Magnesium	321000		23700	119000	1	04/13/2025 22:06	WG2489616
Manganese	38400		206	1190	1	04/13/2025 22:06	WG2489616
Nickel	1270	J	239	2390	1	04/13/2025 22:06	WG2489616
Potassium	147000		24900	119000	1	04/13/2025 22:06	WG2489616
Selenium	U		1280	2390	1	04/13/2025 22:06	WG2489616
Silver	U		152	1190	1	04/13/2025 22:06	WG2489616
Sodium	119000		49200	119000	1	04/13/2025 22:06	WG2489616
Thallium	U		618	2390	1	04/13/2025 22:06	WG2489616
Vanadium	3590	B	457	2390	1	04/13/2025 22:06	WG2489616
Zinc	5900	J	1160	5970	1	04/13/2025 22:06	WG2489616

⁷ Gl

⁸ Al

⁹ Sc

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
TPH (GC/FID) Low Fraction	U		25.9	119	1	04/13/2025 18:40	WG2489566
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	98.9			77.0-120		04/13/2025 18:40	WG2489566

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

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Acetone	U		50.9	69.8	1	04/13/2025 21:18	WG2489584
Acrylonitrile	U		5.04	17.4	1	04/13/2025 21:18	WG2489584
Benzene	U		0.652	1.40	1	04/13/2025 21:18	WG2489584
Bromobenzene	U		1.26	17.4	1	04/13/2025 21:18	WG2489584
Bromodichloromethane	U		1.01	3.49	1	04/13/2025 21:18	WG2489584
Bromoform	U		1.63	34.9	1	04/13/2025 21:18	WG2489584

GAC00412D002-D

SAMPLE RESULTS - 03

Collected date/time: 04/12/25 13:27

L1847544

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
Bromomethane	U	C3 J4	2.75	17.4	1	04/13/2025 21:18	WG2489584
n-Butylbenzene	U		7.32	17.4	1	04/13/2025 21:18	WG2489584
sec-Butylbenzene	U		4.02	17.4	1	04/13/2025 21:18	WG2489584
tert-Butylbenzene	U		2.72	6.98	1	04/13/2025 21:18	WG2489584
Carbon tetrachloride	U		1.25	6.98	1	04/13/2025 21:18	WG2489584
Chlorobenzene	U		0.293	3.49	1	04/13/2025 21:18	WG2489584
Chlorodibromomethane	U		0.854	3.49	1	04/13/2025 21:18	WG2489584
Chloroethane	U	C3 J4	2.37	6.98	1	04/13/2025 21:18	WG2489584
Chloroform	U		1.44	3.49	1	04/13/2025 21:18	WG2489584
Chloromethane	U	C3	6.07	17.4	1	04/13/2025 21:18	WG2489584
2-Chlorotoluene	U		1.21	3.49	1	04/13/2025 21:18	WG2489584
4-Chlorotoluene	U		0.628	6.98	1	04/13/2025 21:18	WG2489584
1,2-Dibromo-3-Chloropropane	U		5.44	34.9	1	04/13/2025 21:18	WG2489584
1,2-Dibromoethane	U		0.904	3.49	1	04/13/2025 21:18	WG2489584
Dibromomethane	U		1.05	6.98	1	04/13/2025 21:18	WG2489584
1,2-Dichlorobenzene	U		0.593	6.98	1	04/13/2025 21:18	WG2489584
1,3-Dichlorobenzene	U		0.837	6.98	1	04/13/2025 21:18	WG2489584
1,4-Dichlorobenzene	U		0.977	6.98	1	04/13/2025 21:18	WG2489584
Dichlorodifluoromethane	U	C3	2.25	6.98	1	04/13/2025 21:18	WG2489584
1,1-Dichloroethane	U		0.685	3.49	1	04/13/2025 21:18	WG2489584
1,2-Dichloroethane	U		0.905	3.49	1	04/13/2025 21:18	WG2489584
1,1-Dichloroethene	U	C3	0.845	3.49	1	04/13/2025 21:18	WG2489584
cis-1,2-Dichloroethene	U		1.02	3.49	1	04/13/2025 21:18	WG2489584
trans-1,2-Dichloroethene	U	C3	1.45	6.98	1	04/13/2025 21:18	WG2489584
1,2-Dichloropropane	U		1.98	6.98	1	04/13/2025 21:18	WG2489584
1,1-Dichloropropene	U		1.13	3.49	1	04/13/2025 21:18	WG2489584
1,3-Dichloropropane	U		0.699	6.98	1	04/13/2025 21:18	WG2489584
cis-1,3-Dichloropropene	U		1.06	3.49	1	04/13/2025 21:18	WG2489584
trans-1,3-Dichloropropene	U		1.59	6.98	1	04/13/2025 21:18	WG2489584
2,2-Dichloropropane	U		1.93	3.49	1	04/13/2025 21:18	WG2489584
Di-isopropyl ether	U		0.572	1.40	1	04/13/2025 21:18	WG2489584
Ethylbenzene	U		1.03	3.49	1	04/13/2025 21:18	WG2489584
Hexachloro-1,3-butadiene	U		8.37	34.9	1	04/13/2025 21:18	WG2489584
Isopropylbenzene	U		0.593	3.49	1	04/13/2025 21:18	WG2489584
p-Isopropyltoluene	U		3.56	6.98	1	04/13/2025 21:18	WG2489584
2-Butanone (MEK)	U		88.6	140	1	04/13/2025 21:18	WG2489584
Methylene Chloride	U	C3	9.26	34.9	1	04/13/2025 21:18	WG2489584
4-Methyl-2-pentanone (MIBK)	U		3.18	34.9	1	04/13/2025 21:18	WG2489584
Methyl tert-butyl ether	U		0.488	1.40	1	04/13/2025 21:18	WG2489584
Naphthalene	U		6.81	17.4	1	04/13/2025 21:18	WG2489584
n-Propylbenzene	U		1.33	6.98	1	04/13/2025 21:18	WG2489584
Styrene	U		0.320	17.4	1	04/13/2025 21:18	WG2489584
1,1,1,2-Tetrachloroethane	U		1.32	3.49	1	04/13/2025 21:18	WG2489584
1,1,2,2-Tetrachloroethane	U	C3	0.970	3.49	1	04/13/2025 21:18	WG2489584
1,1,2-Trichlorotrifluoroethane	U		1.05	3.49	1	04/13/2025 21:18	WG2489584
Tetrachloroethene	U		1.25	3.49	1	04/13/2025 21:18	WG2489584
Toluene	3.08	B J	1.81	6.98	1	04/13/2025 21:18	WG2489584
1,2,3-Trichlorobenzene	U	J4	10.2	17.4	1	04/13/2025 21:18	WG2489584
1,2,4-Trichlorobenzene	U		6.14	17.4	1	04/13/2025 21:18	WG2489584
1,1,1-Trichloroethane	U		1.29	3.49	1	04/13/2025 21:18	WG2489584
1,1,2-Trichloroethane	U		0.833	3.49	1	04/13/2025 21:18	WG2489584
Trichloroethene	U		0.815	1.40	1	04/13/2025 21:18	WG2489584
Trichlorofluoromethane	U		1.15	3.49	1	04/13/2025 21:18	WG2489584
1,2,3-Trichloropropane	U		2.26	17.4	1	04/13/2025 21:18	WG2489584
1,2,4-Trimethylbenzene	U		2.20	6.98	1	04/13/2025 21:18	WG2489584
1,2,3-Trimethylbenzene	U		2.20	6.98	1	04/13/2025 21:18	WG2489584

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
1,3,5-Trimethylbenzene	U		2.79	6.98	1	04/13/2025 21:18	WG2489584
Vinyl chloride	U	C3 J4	1.62	3.49	1	04/13/2025 21:18	WG2489584
Xylenes, Total	U		1.23	9.07	1	04/13/2025 21:18	WG2489584
(S) Toluene-d8	114			75.0-131		04/13/2025 21:18	WG2489584
(S) 4-Bromofluorobenzene	91.9			67.0-138		04/13/2025 21:18	WG2489584
(S) 1,2-Dichloroethane-d4	103			70.0-130		04/13/2025 21:18	WG2489584

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	6250		1920	4770	1	04/14/2025 00:29	WG2489494
C28-C36 Motor Oil Range	8770		327	4770	1	04/14/2025 00:29	WG2489494
(S) o-Terphenyl	81.5			18.0-148		04/14/2025 00:29	WG2489494

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		6.43	39.7	1	04/14/2025 10:15	WG2489487
Acenaphthylene	U		5.60	39.7	1	04/14/2025 10:15	WG2489487
Anthracene	U		7.07	39.7	1	04/14/2025 10:15	WG2489487
Benzdine	U	C7	74.7	1990	1	04/14/2025 10:15	WG2489487
Benzo(a)anthracene	U		7.00	39.7	1	04/14/2025 10:15	WG2489487
Benzo(b)fluoranthene	U		7.41	39.7	1	04/14/2025 10:15	WG2489487
Benzo(k)fluoranthene	U		7.06	39.7	1	04/14/2025 10:15	WG2489487
Benzo(g,h,i)perylene	U		7.27	39.7	1	04/14/2025 10:15	WG2489487
Benzo(a)pyrene	U		7.39	39.7	1	04/14/2025 10:15	WG2489487
Bis(2-chlorethoxy)methane	U		11.9	397	1	04/14/2025 10:15	WG2489487
Bis(2-chloroethyl)ether	U	C3	13.1	397	1	04/14/2025 10:15	WG2489487
2,2-Oxybis(1-Chloropropane)	U	C3	17.2	397	1	04/14/2025 10:15	WG2489487
4-Bromophenyl-phenylether	U		14.0	397	1	04/14/2025 10:15	WG2489487
2-Chloronaphthalene	U		6.98	39.7	1	04/14/2025 10:15	WG2489487
4-Chlorophenyl-phenylether	U		13.8	397	1	04/14/2025 10:15	WG2489487
Chrysene	U		7.90	39.7	1	04/14/2025 10:15	WG2489487
Dibenz(a,h)anthracene	U		11.0	39.7	1	04/14/2025 10:15	WG2489487
1,2-Dichlorobenzene	U		11.8	397	1	04/14/2025 10:15	WG2489487
1,3-Dichlorobenzene	U		12.0	397	1	04/14/2025 10:15	WG2489487
1,4-Dichlorobenzene	U		11.8	397	1	04/14/2025 10:15	WG2489487
3,3-Dichlorobenzidine	U		14.7	397	1	04/14/2025 10:15	WG2489487
2,4-Dinitrotoluene	U		11.4	397	1	04/14/2025 10:15	WG2489487
2,6-Dinitrotoluene	U		13.0	397	1	04/14/2025 10:15	WG2489487
Fluoranthene	U		7.17	39.7	1	04/14/2025 10:15	WG2489487
Fluorene	U		6.47	39.7	1	04/14/2025 10:15	WG2489487
Hexachlorobenzene	U		14.1	397	1	04/14/2025 10:15	WG2489487
Hexachloro-1,3-butadiene	U		13.4	397	1	04/14/2025 10:15	WG2489487
Hexachlorocyclopentadiene	U	C7	20.9	397	1	04/14/2025 10:15	WG2489487
Hexachloroethane	U		15.6	397	1	04/14/2025 10:15	WG2489487
Indeno(1,2,3-cd)pyrene	U		11.2	39.7	1	04/14/2025 10:15	WG2489487
Isophorone	U		12.2	397	1	04/14/2025 10:15	WG2489487
Naphthalene	U		9.97	39.7	1	04/14/2025 10:15	WG2489487
Nitrobenzene	U		13.8	397	1	04/14/2025 10:15	WG2489487
n-Nitrosodimethylamine	U		58.9	397	1	04/14/2025 10:15	WG2489487
n-Nitrosodiphenylamine	U		30.1	397	1	04/14/2025 10:15	WG2489487
n-Nitrosodi-n-propylamine	U		13.2	397	1	04/14/2025 10:15	WG2489487
Phenanthrene	U		7.89	39.7	1	04/14/2025 10:15	WG2489487
Benzylbutyl phthalate	U		12.4	397	1	04/14/2025 10:15	WG2489487

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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
Bis(2-ethylhexyl)phthalate	U		50.3	397	1	04/14/2025 10:15	WG2489487
Di-n-butyl phthalate	U		13.6	397	1	04/14/2025 10:15	WG2489487
Diethyl phthalate	U		13.1	397	1	04/14/2025 10:15	WG2489487
Dimethyl phthalate	U		84.2	397	1	04/14/2025 10:15	WG2489487
Di-n-octyl phthalate	U		26.8	397	1	04/14/2025 10:15	WG2489487
Pyrene	U		7.73	39.7	1	04/14/2025 10:15	WG2489487
1,2,4-Trichlorobenzene	U		12.4	397	1	04/14/2025 10:15	WG2489487
4-Chloro-3-methylphenol	U		12.9	397	1	04/14/2025 10:15	WG2489487
2-Chlorophenol	U		13.1	397	1	04/14/2025 10:15	WG2489487
2,4-Dichlorophenol	U		11.6	397	1	04/14/2025 10:15	WG2489487
2,4-Dimethylphenol	U	C3	10.4	397	1	04/14/2025 10:15	WG2489487
4,6-Dinitro-2-methylphenol	U		90.1	397	1	04/14/2025 10:15	WG2489487
2,4-Dinitrophenol	U		92.9	397	1	04/14/2025 10:15	WG2489487
2-Nitrophenol	U		14.2	397	1	04/14/2025 10:15	WG2489487
4-Nitrophenol	U		12.4	397	1	04/14/2025 10:15	WG2489487
Pentachlorophenol	U		10.7	397	1	04/14/2025 10:15	WG2489487
Phenol	U		16.0	397	1	04/14/2025 10:15	WG2489487
2,4,6-Trichlorophenol	U		12.8	397	1	04/14/2025 10:15	WG2489487
(S) 2-Fluorophenol	61.5			12.0-120		04/14/2025 10:15	WG2489487
(S) Phenol-d5	54.4			10.0-120		04/14/2025 10:15	WG2489487
(S) Nitrobenzene-d5	53.8			10.0-122		04/14/2025 10:15	WG2489487
(S) 2-Fluorobiphenyl	60.4			15.0-120		04/14/2025 10:15	WG2489487
(S) 2,4,6-Tribromophenol	60.9			10.0-127		04/14/2025 10:15	WG2489487
(S) p-Terphenyl-d14	57.7			10.0-120		04/14/2025 10:15	WG2489487

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

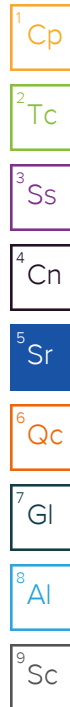
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	04/13/2025 16:55	WG2489586
Acrolein	U	C3	2.54	50.0	1	04/13/2025 16:55	WG2489586
Acrylonitrile	U		0.671	10.0	1	04/13/2025 16:55	WG2489586
Benzene	U		0.0941	1.00	1	04/13/2025 16:55	WG2489586
Bromobenzene	U		0.118	1.00	1	04/13/2025 16:55	WG2489586
Bromodichloromethane	U		0.136	1.00	1	04/13/2025 16:55	WG2489586
Bromoform	U		0.129	1.00	1	04/13/2025 16:55	WG2489586
Bromomethane	U		0.605	5.00	1	04/13/2025 16:55	WG2489586
n-Butylbenzene	U		0.157	1.00	1	04/13/2025 16:55	WG2489586
sec-Butylbenzene	U		0.125	1.00	1	04/13/2025 16:55	WG2489586
tert-Butylbenzene	U		0.127	1.00	1	04/13/2025 16:55	WG2489586
Carbon tetrachloride	U		0.128	1.00	1	04/13/2025 16:55	WG2489586
Chlorobenzene	U		0.116	1.00	1	04/13/2025 16:55	WG2489586
Chlorodibromomethane	U		0.140	1.00	1	04/13/2025 16:55	WG2489586
Chloroethane	U		0.192	5.00	1	04/13/2025 16:55	WG2489586
Chloroform	U		0.111	5.00	1	04/13/2025 16:55	WG2489586
Chloromethane	U		0.960	2.50	1	04/13/2025 16:55	WG2489586
2-Chlorotoluene	U		0.106	1.00	1	04/13/2025 16:55	WG2489586
4-Chlorotoluene	U		0.114	1.00	1	04/13/2025 16:55	WG2489586
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	04/13/2025 16:55	WG2489586
1,2-Dibromoethane	U		0.126	1.00	1	04/13/2025 16:55	WG2489586
Dibromomethane	U		0.122	1.00	1	04/13/2025 16:55	WG2489586
1,2-Dichlorobenzene	U		0.107	1.00	1	04/13/2025 16:55	WG2489586
1,3-Dichlorobenzene	U		0.110	1.00	1	04/13/2025 16:55	WG2489586
1,4-Dichlorobenzene	U		0.120	1.00	1	04/13/2025 16:55	WG2489586
Dichlorodifluoromethane	U		0.374	5.00	1	04/13/2025 16:55	WG2489586
1,1-Dichloroethane	U		0.100	1.00	1	04/13/2025 16:55	WG2489586
1,2-Dichloroethane	U		0.0819	1.00	1	04/13/2025 16:55	WG2489586
1,1-Dichloroethene	U		0.188	1.00	1	04/13/2025 16:55	WG2489586
cis-1,2-Dichloroethene	U		0.126	1.00	1	04/13/2025 16:55	WG2489586
trans-1,2-Dichloroethene	U		0.149	1.00	1	04/13/2025 16:55	WG2489586
1,2-Dichloropropane	U		0.149	1.00	1	04/13/2025 16:55	WG2489586
1,1-Dichloropropene	U		0.142	1.00	1	04/13/2025 16:55	WG2489586
1,3-Dichloropropane	U		0.110	1.00	1	04/13/2025 16:55	WG2489586
cis-1,3-Dichloropropene	U	C3 J4	0.111	1.00	1	04/13/2025 16:55	WG2489586
trans-1,3-Dichloropropene	U		0.118	1.00	1	04/13/2025 16:55	WG2489586
2,2-Dichloropropane	U		0.161	1.00	1	04/13/2025 16:55	WG2489586
Di-isopropyl ether	U		0.105	1.00	1	04/13/2025 16:55	WG2489586
Ethylbenzene	U		0.137	1.00	1	04/13/2025 16:55	WG2489586
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/13/2025 16:55	WG2489586
Isopropylbenzene	U		0.105	1.00	1	04/13/2025 16:55	WG2489586
p-Isopropyltoluene	U		0.120	1.00	1	04/13/2025 16:55	WG2489586
2-Butanone (MEK)	U		1.19	10.0	1	04/13/2025 16:55	WG2489586
Methylene Chloride	U		0.430	5.00	1	04/13/2025 16:55	WG2489586
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	04/13/2025 16:55	WG2489586
Methyl tert-butyl ether	U		0.101	1.00	1	04/13/2025 16:55	WG2489586
Naphthalene	U	C3	1.00	5.00	1	04/13/2025 16:55	WG2489586
n-Propylbenzene	U		0.0993	1.00	1	04/13/2025 16:55	WG2489586
Styrene	U		0.118	1.00	1	04/13/2025 16:55	WG2489586
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	04/13/2025 16:55	WG2489586
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	04/13/2025 16:55	WG2489586
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	04/13/2025 16:55	WG2489586
Tetrachloroethene	U		0.300	1.00	1	04/13/2025 16:55	WG2489586
Toluene	0.315	J	0.278	1.00	1	04/13/2025 16:55	WG2489586
1,2,3-Trichlorobenzene	U		0.230	1.00	1	04/13/2025 16:55	WG2489586
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/13/2025 16:55	WG2489586



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.149	1.00	1	04/13/2025 16:55	WG2489586
1,1,2-Trichloroethane	U		0.158	1.00	1	04/13/2025 16:55	WG2489586
Trichloroethene	U		0.190	1.00	1	04/13/2025 16:55	WG2489586
Trichlorofluoromethane	U	J3	0.160	5.00	1	04/13/2025 16:55	WG2489586
1,2,3-Trichloropropane	U		0.237	2.50	1	04/13/2025 16:55	WG2489586
1,2,4-Trimethylbenzene	U		0.322	1.00	1	04/13/2025 16:55	WG2489586
1,2,3-Trimethylbenzene	U		0.104	1.00	1	04/13/2025 16:55	WG2489586
1,3,5-Trimethylbenzene	U		0.104	1.00	1	04/13/2025 16:55	WG2489586
Vinyl chloride	U		0.234	1.00	1	04/13/2025 16:55	WG2489586
Xylenes, Total	U		0.174	3.00	1	04/13/2025 16:55	WG2489586
(S) Toluene-d8	109			80.0-120		04/13/2025 16:55	WG2489586
(S) 4-Bromofluorobenzene	97.3			77.0-126		04/13/2025 16:55	WG2489586
(S) 1,2-Dichloroethane-d4	101			70.0-130		04/13/2025 16:55	WG2489586

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4198929-1 04/13/25 13:32

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00100			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1847543-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1847543-09 04/13/25 13:32 • (DUP) R4198929-3 04/13/25 13:32

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	72.5	72.5	1	0.0585		10

Laboratory Control Sample (LCS)

(LCS) R4198929-2 04/13/25 13:32

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

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4199125-1 04/14/25 05:34

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/kg		ug/kg	ug/kg
Hexavalent Chromium	U		379	1000

L1847540-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1847540-13 04/14/25 06:37 • (DUP) R4199125-7 04/14/25 06:46

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

L1847545-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1847545-01 04/14/25 10:04 • (DUP) R4199125-8 04/14/25 10:13

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

Laboratory Control Sample (LCS)

(LCS) R4199125-2 04/14/25 05:43

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/kg	ug/kg	%	%	
Hexavalent Chromium	10000	10700	107	80.0-120	

L1847540-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847540-12 04/14/25 05:52 • (MS) R4199125-4 04/14/25 06:10 • (MSD) R4199125-5 04/14/25 06:19

	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
Analyte	ug/kg	ug/kg	ug/kg	ug/kg	%	%		%			%	%
Hexavalent Chromium	20600	U	20100	19000	97.5	91.9	1	75.0-125			5.88	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1847540-12 Original Sample (OS) • Matrix Spike (MS)

(OS) L1847540-12 04/14/25 05:52 • (MS) R4199125-6 04/14/25 06:28

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>
Analyte	ug/kg	ug/kg	ug/kg	%		%	
Hexavalent Chromium	658000	U	686000	104	50	75.0-125	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4198952-1 04/13/25 18:55

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

Laboratory Control Sample (LCS)

(LCS) R4198952-2 04/13/25 18:58

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/kg	ug/kg	%	%	
Mercury	500	528	106	80.0-120	

L1847540-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847540-21 04/13/25 19:00 • (MS) R4198952-4 04/13/25 19:05 • (MSD) R4198952-5 04/13/25 19:08

	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
Analyte	ug/kg	ug/kg	ug/kg	ug/kg	%	%		%			%	%
Mercury	506	U	550	550	109	109	1	75.0-125			0.0595	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4198994-1 04/13/25 21:18

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Aluminum	6250	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	3590	U	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	493	U	383	2000
Zinc	U		974	5000

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Laboratory Control Sample (LCS)

(LCS) R4198994-2 04/13/25 21:19

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000000	985000	98.5	80.0-120	
Antimony	100000	99700	99.7	80.0-120	
Arsenic	100000	101000	101	80.0-120	
Barium	100000	97500	97.5	80.0-120	
Beryllium	100000	96600	96.6	80.0-120	
Cadmium	100000	98500	98.5	80.0-120	
Calcium	1000000	1010000	101	80.0-120	
Chromium	100000	97000	97.0	80.0-120	
Cobalt	100000	92900	92.9	80.0-120	
Copper	100000	101000	101	80.0-120	
Iron	1000000	1010000	101	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4198994-2 04/13/25 21:19

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Lead	100000	96900	96.9	80.0-120	
Magnesium	1000000	991000	99.1	80.0-120	
Manganese	100000	97400	97.4	80.0-120	
Nickel	100000	95700	95.7	80.0-120	
Potassium	1000000	1020000	102	80.0-120	
Selenium	100000	96400	96.4	80.0-120	
Silver	20000	19400	96.8	80.0-120	
Sodium	1000000	1040000	104	80.0-120	
Thallium	100000	98600	98.6	80.0-120	
Vanadium	100000	95600	95.6	80.0-120	
Zinc	100000	101000	101	80.0-120	

L1847540-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847540-21 04/13/25 21:21 • (MS) R4198994-5 04/13/25 21:26 • (MSD) R4198994-6 04/13/25 21:28

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 %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Aluminum	1010000	724000	1720000	1410000	98.3	67.9	1	75.0-125		J6	19.6	20
Antimony	101000	U	88100	78500	86.9	77.5	1	75.0-125			11.4	20
Arsenic	101000	2330	93000	82500	89.5	79.1	1	75.0-125			12.0	20
Barium	101000	8740	103000	88200	92.6	78.5	1	75.0-125			15.0	20
Beryllium	101000	149	88500	78700	87.2	77.6	1	75.0-125			11.6	20
Cadmium	101000	U	90000	79300	88.9	78.3	1	75.0-125			12.7	20
Calcium	1010000	2120000	7510000	3180000	532	105	1	75.0-125	J5	J3	80.9	20
Chromium	101000	1270	90500	80700	88.1	78.4	1	75.0-125			11.4	20
Cobalt	101000	1110	89400	77600	87.2	75.5	1	75.0-125			14.1	20
Copper	101000	1410	93800	84400	91.2	81.9	1	75.0-125			10.6	20
Iron	1010000	5860000	3900000	2760000	0.000	0.000	1	75.0-125	V	J3 V	34.3	20
Lead	101000	4490	94500	82400	88.9	76.9	1	75.0-125			13.7	20
Magnesium	1010000	471000	1480000	1230000	99.4	74.6	1	75.0-125		J6	18.6	20
Manganese	101000	87800	158000	125000	69.4	36.7	1	75.0-125	J6	J3 J6	23.4	20
Nickel	101000	1740	91600	80600	88.7	77.9	1	75.0-125			12.7	20
Potassium	1010000	185000	1140000	1000000	94.3	80.8	1	75.0-125			12.8	20
Selenium	101000	U	85700	76100	84.6	75.1	1	75.0-125			11.9	20
Silver	20300	U	18000	16000	89.0	78.7	1	75.0-125			12.2	20
Sodium	1010000	U	961000	854000	94.9	84.3	1	75.0-125			11.8	20
Thallium	101000	U	92900	80800	91.7	79.8	1	75.0-125			13.9	20
Vanadium	101000	6390	90200	80400	82.8	73.1	1	75.0-125		J6	11.5	20
Zinc	101000	9690	99800	87900	88.9	77.2	1	75.0-125			12.6	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4198941-2 04/13/25 10:41

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
TPH (GC/FID) Low Fraction	43.6	⬇	21.7	100
(S) a,a,a-Trifluorotoluene(FID)	105			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4198941-1 04/13/25 09:54

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5000	5360	107	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			109	77.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4199022-2 04/13/25 16:43

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	U		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	U		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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4199022-2 04/13/25 16:43

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	2.37	U	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	114			75.0-131
(S) 4-Bromofluorobenzene	92.9			67.0-138
(S) 1,2-Dichloroethane-d4	103			70.0-130

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R4199022-1 04/13/25 12:50

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	625	593	94.9	10.0-160	
Acrylonitrile	625	509	81.4	45.0-153	
Benzene	125	116	92.8	70.0-123	
Bromobenzene	125	104	83.2	73.0-121	
Bromodichloromethane	125	133	106	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R4199022-1 04/13/25 12:50

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Bromoform	125	126	101	64.0-132	
Bromomethane	125	63.4	50.7	56.0-147	J4
n-Butylbenzene	125	131	105	68.0-135	
sec-Butylbenzene	125	111	88.8	74.0-130	
tert-Butylbenzene	125	110	88.0	75.0-127	
Carbon tetrachloride	125	133	106	66.0-128	
Chlorobenzene	125	118	94.4	76.0-128	
Chlorodibromomethane	125	130	104	74.0-127	
Chloroethane	125	61.0	48.8	61.0-134	J4
Chloroform	125	118	94.4	72.0-123	
Chloromethane	125	74.1	59.3	51.0-138	
2-Chlorotoluene	125	112	89.6	75.0-124	
4-Chlorotoluene	125	106	84.8	75.0-124	
1,2-Dibromo-3-Chloropropane	125	130	104	59.0-130	
1,2-Dibromoethane	125	112	89.6	74.0-128	
Dibromomethane	125	109	87.2	75.0-122	
1,2-Dichlorobenzene	125	131	105	76.0-124	
1,3-Dichlorobenzene	125	119	95.2	76.0-125	
1,4-Dichlorobenzene	125	114	91.2	77.0-121	
Dichlorodifluoromethane	125	96.2	77.0	43.0-156	
1,1-Dichloroethane	125	107	85.6	70.0-127	
1,2-Dichloroethane	125	126	101	65.0-131	
1,1-Dichloroethene	125	98.9	79.1	65.0-131	
cis-1,2-Dichloroethene	125	100	80.0	73.0-125	
trans-1,2-Dichloroethene	125	94.4	75.5	71.0-125	
1,2-Dichloropropane	125	102	81.6	74.0-125	
1,1-Dichloropropene	125	116	92.8	73.0-125	
1,3-Dichloropropane	125	119	95.2	80.0-125	
cis-1,3-Dichloropropene	125	112	89.6	76.0-127	
trans-1,3-Dichloropropene	125	128	102	73.0-127	
2,2-Dichloropropane	125	117	93.6	59.0-135	
Di-isopropyl ether	125	114	91.2	60.0-136	
Ethylbenzene	125	108	86.4	74.0-126	
Hexachloro-1,3-butadiene	125	159	127	57.0-150	
Isopropylbenzene	125	123	98.4	72.0-127	
p-Isopropyltoluene	125	124	99.2	72.0-133	
2-Butanone (MEK)	625	731	117	30.0-160	
Methylene Chloride	125	85.4	68.3	68.0-123	
4-Methyl-2-pentanone (MIBK)	625	678	108	56.0-143	
Methyl tert-butyl ether	125	111	88.8	66.0-132	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R4199022-1 04/13/25 12:50

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Naphthalene	125	152	122	59.0-130	
n-Propylbenzene	125	113	90.4	74.0-126	
Styrene	125	103	82.4	72.0-127	
1,1,1,2-Tetrachloroethane	125	122	97.6	74.0-129	
1,1,2,2-Tetrachloroethane	125	96.7	77.4	68.0-128	
1,1,2-Trichlorotrifluoroethane	125	105	84.0	61.0-139	
Tetrachloroethene	125	120	96.0	70.0-136	
Toluene	125	122	97.6	75.0-121	
1,2,3-Trichlorobenzene	125	184	147	59.0-139	J4
1,2,4-Trichlorobenzene	125	151	121	62.0-137	
1,1,1-Trichloroethane	125	138	110	69.0-126	
1,1,2-Trichloroethane	125	123	98.4	78.0-123	
Trichloroethene	125	114	91.2	76.0-126	
Trichlorofluoromethane	125	114	91.2	61.0-142	
1,2,3-Trichloropropane	125	105	84.0	67.0-129	
1,2,4-Trimethylbenzene	125	117	93.6	70.0-126	
1,2,3-Trimethylbenzene	125	116	92.8	74.0-124	
1,3,5-Trimethylbenzene	125	114	91.2	73.0-127	
Vinyl chloride	125	70.1	56.1	63.0-134	J4
Xylenes, Total	375	343	91.5	72.0-127	
(S) Toluene-d8			115	75.0-131	
(S) 4-Bromofluorobenzene			91.1	67.0-138	
(S) 1,2-Dichloroethane-d4			117	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1847540-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847540-21 04/13/25 22:18 • (MS) R4199022-3 04/13/25 23:18 • (MSD) R4199022-4 04/13/25 23:38

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 %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acetone	641	U	184	151	28.6	23.5	1	10.0-160			19.6	40
Acrylonitrile	641	U	408	388	63.7	60.5	1	10.0-160			5.15	40
Benzene	128	U	114	108	88.8	84.0	1	10.0-149			5.56	37
Bromobenzene	128	U	107	101	83.2	78.6	1	10.0-156			5.64	38
Bromodichloromethane	128	U	124	115	96.8	89.6	1	10.0-143			7.73	37
Bromoform	128	U	107	105	83.2	81.6	1	10.0-146			1.94	36
Bromomethane	128	U	72.4	63.9	56.5	49.8	1	10.0-149			12.5	38
n-Butylbenzene	128	U	134	128	105	100	1	10.0-160			4.69	40
sec-Butylbenzene	128	U	118	111	92.0	86.4	1	10.0-159			6.28	39
tert-Butylbenzene	128	U	115	113	89.6	88.0	1	10.0-156			1.80	39

L1847540-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847540-21 04/13/25 22:18 • (MS) R4199022-3 04/13/25 23:18 • (MSD) R4199022-4 04/13/25 23:38

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 %
Carbon tetrachloride	128	U	118	113	92.0	88.0	1	10.0-145			4.44	37
Chlorobenzene	128	U	113	113	88.0	88.0	1	10.0-152			0.000	39
Chlorodibromomethane	128	U	119	117	92.8	91.2	1	10.0-146			1.74	37
Chloroethane	128	U	65.5	56.2	51.0	43.8	1	10.0-146			15.2	40
Chloroform	128	1.24	107	97.5	82.2	75.0	1	10.0-146			9.05	37
Chloromethane	128	U	63.1	60.2	49.2	47.0	1	10.0-159			4.66	37
2-Chlorotoluene	128	U	113	111	88.0	86.4	1	10.0-159			1.83	38
4-Chlorotoluene	128	U	112	107	87.2	83.2	1	10.0-155			4.69	39
1,2-Dibromo-3-Chloropropane	128	U	94.9	95.5	74.0	74.5	1	10.0-151			0.647	39
1,2-Dibromoethane	128	U	106	103	82.4	80.0	1	10.0-148			2.96	34
Dibromomethane	128	U	98.2	95.4	76.6	74.4	1	10.0-147			2.86	35
1,2-Dichlorobenzene	128	U	124	121	96.8	94.4	1	10.0-155			2.51	37
1,3-Dichlorobenzene	128	U	116	113	90.4	88.0	1	10.0-153			2.69	38
1,4-Dichlorobenzene	128	U	122	111	95.2	86.4	1	10.0-151			9.69	38
Dichlorodifluoromethane	128	U	90.1	79.7	70.2	62.2	1	10.0-160			12.2	35
1,1-Dichloroethane	128	U	103	95.9	80.0	74.8	1	10.0-147			6.72	37
1,2-Dichloroethane	128	U	110	108	85.6	84.0	1	10.0-148			1.89	35
1,1-Dichloroethene	128	U	100	88.2	78.2	68.8	1	10.0-155			12.8	37
cis-1,2-Dichloroethene	128	U	97.3	93.3	75.8	72.7	1	10.0-149			4.20	37
trans-1,2-Dichloroethene	128	U	91.5	85.1	71.4	66.4	1	10.0-150			7.20	37
1,2-Dichloropropane	128	U	98.3	95.1	76.6	74.2	1	10.0-148			3.29	37
1,1-Dichloropropene	128	U	114	107	88.8	83.2	1	10.0-153			6.51	35
1,3-Dichloropropane	128	U	123	110	96.0	85.6	1	10.0-154			11.5	35
cis-1,3-Dichloropropene	128	U	111	104	86.4	80.8	1	10.0-151			6.70	37
trans-1,3-Dichloropropene	128	U	124	121	96.8	94.4	1	10.0-148			2.51	37
2,2-Dichloropropane	128	U	62.5	57.7	48.7	45.0	1	10.0-138			8.03	36
Di-isopropyl ether	128	U	106	98.6	82.4	76.9	1	10.0-147			6.93	36
Ethylbenzene	128	U	108	102	84.0	79.3	1	10.0-160			5.78	38
Hexachloro-1,3-butadiene	128	U	163	160	127	125	1	10.0-160			1.90	40
Isopropylbenzene	128	U	116	106	90.4	82.4	1	10.0-155			9.26	38
p-Isopropyltoluene	128	U	127	121	99.2	94.4	1	10.0-160			4.96	40
2-Butanone (MEK)	641	U	515	511	80.3	79.7	1	10.0-160			0.800	40
Methylene Chloride	128	U	79.9	71.5	62.3	55.8	1	10.0-141			11.1	37
4-Methyl-2-pentanone (MIBK)	641	U	529	515	82.6	80.3	1	10.0-160			2.75	35
Methyl tert-butyl ether	128	U	93.4	92.2	72.8	71.9	1	11.0-147			1.22	35
Naphthalene	128	U	118	121	92.0	94.4	1	10.0-160			2.58	36
n-Propylbenzene	128	U	120	116	93.6	90.4	1	10.0-158			3.48	38
Styrene	128	U	100	95.1	78.1	74.2	1	10.0-160			5.15	40
1,1,1,2-Tetrachloroethane	128	U	111	105	86.4	81.6	1	10.0-149			5.71	39

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1847540-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847540-21 04/13/25 22:18 • (MS) R4199022-3 04/13/25 23:18 • (MSD) R4199022-4 04/13/25 23:38

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 %
1,1,2,2-Tetrachloroethane	128	U	88.1	85.4	68.7	66.6	1	10.0-160			3.19	35
1,1,2-Trichlorotrifluoroethane	128	U	100	93.9	78.1	73.2	1	10.0-160			6.45	36
Tetrachloroethene	128	U	124	116	96.8	90.4	1	10.0-156			6.84	39
Toluene	128	2.26	128	119	98.2	91.0	1	10.0-156			7.47	38
1,2,3-Trichlorobenzene	128	U	169	175	132	137	1	10.0-160			3.57	40
1,2,4-Trichlorobenzene	128	U	140	141	109	110	1	10.0-160			0.733	40
1,1,1-Trichloroethane	128	U	122	116	95.2	90.4	1	10.0-144			5.17	35
1,1,2-Trichloroethane	128	U	115	109	89.6	84.8	1	10.0-160			5.50	35
Trichloroethene	128	U	113	106	88.0	82.4	1	10.0-156			6.57	38
Trichlorofluoromethane	128	U	71.9	68.0	56.1	53.0	1	10.0-160			5.57	40
1,2,3-Trichloropropane	128	U	94.3	94.0	73.5	73.3	1	10.0-156			0.327	35
1,2,4-Trimethylbenzene	128	U	119	112	92.8	87.2	1	10.0-160			6.22	36
1,2,3-Trimethylbenzene	128	U	113	112	88.0	87.2	1	10.0-160			0.913	36
1,3,5-Trimethylbenzene	128	U	117	110	91.2	85.6	1	10.0-160			6.33	38
Vinyl chloride	128	U	61.6	59.5	48.0	46.4	1	10.0-160			3.39	37
Xylenes, Total	385	U	326	314	84.8	81.6	1	10.0-160			3.85	38
(S) Toluene-d8					113	112		75.0-131				
(S) 4-Bromofluorobenzene					88.9	89.3		67.0-138				
(S) 1,2-Dichloroethane-d4					107	106		70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4198906-3 04/13/25 11:04

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4198906-3 04/13/25 11:04

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	108			80.0-120
(S) 4-Bromofluorobenzene	98.6			77.0-126
(S) 1,2-Dichloroethane-d4	99.8			70.0-130

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4198906-1 04/13/25 09:29 • (LCSD) R4198906-2 04/13/25 09:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	22.4	21.6	89.6	86.4	19.0-160	J	J	3.64	27
Acrolein	25.0	5.19	5.07	20.8	20.3	10.0-160	J	J	2.34	26
Acrylonitrile	25.0	26.9	27.4	108	110	55.0-149			1.84	20
Benzene	5.00	4.94	5.06	98.8	101	70.0-123			2.40	20

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

(LCS) R4198906-1 04/13/25 09:29 • (LCSD) R4198906-2 04/13/25 09:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	5.00	4.92	5.04	98.4	101	73.0-121			2.41	20
Bromodichloromethane	5.00	5.07	5.00	101	100	75.0-120			1.39	20
Bromoform	5.00	4.52	4.48	90.4	89.6	68.0-132			0.889	20
Bromomethane	5.00	4.62	4.98	92.4	99.6	10.0-160	U	U	7.50	25
n-Butylbenzene	5.00	5.07	5.09	101	102	73.0-125			0.394	20
sec-Butylbenzene	5.00	5.16	5.16	103	103	75.0-125			0.000	20
tert-Butylbenzene	5.00	4.88	4.84	97.6	96.8	76.0-124			0.823	20
Carbon tetrachloride	5.00	4.93	5.00	98.6	100	68.0-126			1.41	20
Chlorobenzene	5.00	4.98	4.80	99.6	96.0	80.0-121			3.68	20
Chlorodibromomethane	5.00	4.73	4.65	94.6	93.0	77.0-125			1.71	20
Chloroethane	5.00	6.38	7.22	128	144	47.0-150			12.4	20
Chloroform	5.00	4.96	4.92	99.2	98.4	73.0-120	U	U	0.810	20
Chloromethane	5.00	4.72	4.68	94.4	93.6	41.0-142			0.851	20
2-Chlorotoluene	5.00	4.97	5.08	99.4	102	76.0-123			2.19	20
4-Chlorotoluene	5.00	4.84	4.83	96.8	96.6	75.0-122			0.207	20
1,2-Dibromo-3-Chloropropane	5.00	4.15	4.05	83.0	81.0	58.0-134	U	U	2.44	20
1,2-Dibromoethane	5.00	4.71	4.71	94.2	94.2	80.0-122			0.000	20
Dibromomethane	5.00	4.96	5.08	99.2	102	80.0-120			2.39	20
1,2-Dichlorobenzene	5.00	4.61	4.77	92.2	95.4	79.0-121			3.41	20
1,3-Dichlorobenzene	5.00	4.62	4.59	92.4	91.8	79.0-120			0.651	20
1,4-Dichlorobenzene	5.00	4.88	4.84	97.6	96.8	79.0-120			0.823	20
Dichlorodifluoromethane	5.00	5.61	5.64	112	113	51.0-149			0.533	20
1,1-Dichloroethane	5.00	5.00	5.10	100	102	70.0-126			1.98	20
1,2-Dichloroethane	5.00	5.01	5.08	100	102	70.0-128			1.39	20
1,1-Dichloroethene	5.00	5.02	5.03	100	101	71.0-124			0.199	20
cis-1,2-Dichloroethene	5.00	4.60	4.33	92.0	86.6	73.0-120			6.05	20
trans-1,2-Dichloroethene	5.00	4.81	4.76	96.2	95.2	73.0-120			1.04	20
1,2-Dichloropropane	5.00	5.78	5.38	116	108	77.0-125			7.17	20
1,1-Dichloropropene	5.00	5.22	4.95	104	99.0	74.0-126			5.31	20
1,3-Dichloropropane	5.00	5.27	5.04	105	101	80.0-120			4.46	20
cis-1,3-Dichloropropene	5.00	3.95	4.07	79.0	81.4	80.0-123	J4		2.99	20
trans-1,3-Dichloropropene	5.00	4.15	4.08	83.0	81.6	78.0-124			1.70	20
2,2-Dichloropropane	5.00	4.04	3.98	80.8	79.6	58.0-130			1.50	20
Di-isopropyl ether	5.00	5.08	4.80	102	96.0	58.0-138			5.67	20
Ethylbenzene	5.00	4.85	4.76	97.0	95.2	79.0-123			1.87	20
Hexachloro-1,3-butadiene	5.00	4.31	5.04	86.2	101	54.0-138			15.6	20
Isopropylbenzene	5.00	4.93	4.84	98.6	96.8	76.0-127			1.84	20
p-Isopropyltoluene	5.00	4.78	4.71	95.6	94.2	76.0-125			1.48	20
2-Butanone (MEK)	25.0	26.0	24.9	104	99.6	44.0-160			4.32	20
Methylene Chloride	5.00	4.70	4.67	94.0	93.4	67.0-120	U	U	0.640	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4198906-1 04/13/25 09:29 • (LCSD) R4198906-2 04/13/25 09:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	25.0	27.0	26.9	108	108	68.0-142			0.371	20
Methyl tert-butyl ether	5.00	4.45	4.47	89.0	89.4	68.0-125			0.448	20
Naphthalene	5.00	3.97	4.21	79.4	84.2	54.0-135	J	J	5.87	20
n-Propylbenzene	5.00	4.80	4.84	96.0	96.8	77.0-124			0.830	20
Styrene	5.00	4.77	4.75	95.4	95.0	73.0-130			0.420	20
1,1,1,2-Tetrachloroethane	5.00	4.71	4.77	94.2	95.4	75.0-125			1.27	20
1,1,2,2-Tetrachloroethane	5.00	4.86	4.92	97.2	98.4	65.0-130			1.23	20
1,1,2-Trichlorotrifluoroethane	5.00	4.73	4.73	94.6	94.6	69.0-132			0.000	20
Tetrachloroethene	5.00	4.65	4.84	93.0	96.8	72.0-132			4.00	20
Toluene	5.00	5.03	5.02	101	100	79.0-120			0.199	20
1,2,3-Trichlorobenzene	5.00	4.14	4.15	82.8	83.0	50.0-138			0.241	20
1,2,4-Trichlorobenzene	5.00	4.42	4.45	88.4	89.0	57.0-137			0.676	20
1,1,1-Trichloroethane	5.00	4.81	4.91	96.2	98.2	73.0-124			2.06	20
1,1,2-Trichloroethane	5.00	4.96	5.33	99.2	107	80.0-120			7.19	20
Trichloroethene	5.00	4.72	4.48	94.4	89.6	78.0-124			5.22	20
Trichlorofluoromethane	5.00	6.12	4.87	122	97.4	59.0-147		J J3	22.7	20
1,2,3-Trichloropropane	5.00	4.79	5.19	95.8	104	73.0-130			8.02	20
1,2,4-Trimethylbenzene	5.00	4.78	4.88	95.6	97.6	76.0-121			2.07	20
1,2,3-Trimethylbenzene	5.00	4.99	4.98	99.8	99.6	77.0-120			0.201	20
1,3,5-Trimethylbenzene	5.00	4.73	4.80	94.6	96.0	76.0-122			1.47	20
Vinyl chloride	5.00	6.14	6.33	123	127	67.0-131			3.05	20
Xylenes, Total	15.0	14.7	14.4	98.0	96.0	79.0-123			2.06	20
(S) Toluene-d8				104	104	80.0-120				
(S) 4-Bromofluorobenzene				99.4	100	77.0-126				
(S) 1,2-Dichloroethane-d4				98.8	104	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4199027-1 04/13/25 22:58

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/kg		ug/kg	ug/kg
C10-C28 Diesel Range	U		1610	4000
C28-C36 Motor Oil Range	U		274	4000
(S) o-Terphenyl	72.2			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4199027-2 04/13/25 23:11

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/kg	ug/kg	%	%	
C10-C28 Diesel Range	50000	40300	80.6	50.0-150	
(S) o-Terphenyl			87.1	18.0-148	

L1847545-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847545-02 04/14/25 00:21 • (MS) R4199025-1 04/14/25 00:33 • (MSD) R4199025-2 04/14/25 00:46

	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
Analyte	ug/kg	ug/kg	ug/kg	ug/kg	%	%		%			%	%
C10-C28 Diesel Range	49800	U	51500	43800	103	87.5	5	50.0-150			16.2	20
(S) o-Terphenyl					57.2	62.7		18.0-148				

Sample Narrative:

OS: Cannot run at lower dilution due to viscosity of extract

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4199245-2 04/14/25 09:14

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4199245-2 04/14/25 09:14

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	62.3			12.0-120
(S) Phenol-d5	55.7			10.0-120
(S) Nitrobenzene-d5	56.8			10.0-122
(S) 2-Fluorobiphenyl	64.6			15.0-120
(S) 2,4,6-Tribromophenol	62.3			10.0-127
(S) p-Terphenyl-d14	70.9			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4199245-1 04/14/25 08:53

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	666	435	65.3	38.0-120	
Acenaphthylene	666	473	71.0	40.0-120	
Anthracene	666	451	67.7	42.0-120	
Benzidine	1330	469	35.3	10.0-120	J
Benzo(a)anthracene	666	461	69.2	44.0-120	
Benzo(b)fluoranthene	666	430	64.6	43.0-120	
Benzo(k)fluoranthene	666	451	67.7	44.0-120	
Benzo(g,h,i)perylene	666	440	66.1	43.0-120	
Benzo(a)pyrene	666	440	66.1	45.0-120	
Bis(2-chlorethoxy)methane	666	319	47.9	20.0-120	J
Bis(2-chloroethyl)ether	666	372	55.9	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4199245-1 04/14/25 08:53

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	666	318	47.7	23.0-120	UL
4-Bromophenyl-phenylether	666	507	76.1	40.0-120	
2-Chloronaphthalene	666	413	62.0	35.0-120	
4-Chlorophenyl-phenylether	666	466	70.0	40.0-120	
Chrysene	666	439	65.9	43.0-120	
Dibenz(a,h)anthracene	666	467	70.1	44.0-120	
1,2-Dichlorobenzene	666	372	55.9	32.0-120	
1,3-Dichlorobenzene	666	370	55.6	30.0-120	
1,4-Dichlorobenzene	666	383	57.5	31.0-120	
3,3-Dichlorobenzidine	1330	930	69.9	28.0-120	
2,4-Dinitrotoluene	666	503	75.5	45.0-120	
2,6-Dinitrotoluene	666	461	69.2	42.0-120	
Fluoranthene	666	479	71.9	44.0-120	
Fluorene	666	454	68.2	41.0-120	
Hexachlorobenzene	666	481	72.2	39.0-120	
Hexachloro-1,3-butadiene	666	327	49.1	15.0-120	UL
Hexachlorocyclopentadiene	666	262	39.3	15.0-120	UL
Hexachloroethane	666	366	55.0	17.0-120	
Indeno(1,2,3-cd)pyrene	666	443	66.5	45.0-120	
Isophorone	666	314	47.1	23.0-120	UL
Naphthalene	666	318	47.7	18.0-120	
Nitrobenzene	666	303	45.5	17.0-120	UL
n-Nitrosodimethylamine	666	349	52.4	10.0-125	
n-Nitrosodiphenylamine	666	457	68.6	40.0-120	
n-Nitrosodi-n-propylamine	666	354	53.2	26.0-120	
Phenanthrene	666	436	65.5	42.0-120	
Benzylbutyl phthalate	666	441	66.2	40.0-120	
Bis(2-ethylhexyl)phthalate	666	473	71.0	41.0-120	
Di-n-butyl phthalate	666	478	71.8	43.0-120	
Diethyl phthalate	666	472	70.9	43.0-120	
Dimethyl phthalate	666	470	70.6	43.0-120	
Di-n-octyl phthalate	666	410	61.6	40.0-120	
Pyrene	666	419	62.9	41.0-120	
1,2,4-Trichlorobenzene	666	355	53.3	17.0-120	
4-Chloro-3-methylphenol	666	363	54.5	28.0-120	
2-Chlorophenol	666	375	56.3	28.0-120	
2,4-Dichlorophenol	666	375	56.3	25.0-120	
2,4-Dimethylphenol	666	326	48.9	15.0-120	UL
4,6-Dinitro-2-methylphenol	666	578	86.8	16.0-120	
2,4-Dinitrophenol	666	456	68.5	10.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R4199245-1 04/14/25 08:53

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	666	376	56.5	20.0-120	
4-Nitrophenol	666	507	76.1	27.0-120	
Pentachlorophenol	666	413	62.0	29.0-120	
Phenol	666	379	56.9	28.0-120	
2,4,6-Trichlorophenol	666	466	70.0	37.0-120	
(S) 2-Fluorophenol			66.4	12.0-120	
(S) Phenol-d5			62.3	10.0-120	
(S) Nitrobenzene-d5			49.8	10.0-122	
(S) 2-Fluorobiphenyl			66.1	15.0-120	
(S) 2,4,6-Tribromophenol			80.9	10.0-127	
(S) p-Terphenyl-d14			66.1	10.0-120	

L1847545-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847545-01 04/14/25 09:57 • (MS) R4199390-1 04/14/25 10:26 • (MSD) R4199390-2 04/14/25 10:56

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	663	U	481	453	72.5	68.6	1	18.0-120			5.83	32
Acenaphthylene	663	U	533	513	80.4	77.6	1	25.0-120			3.85	32
Anthracene	663	U	474	475	71.4	71.8	1	22.0-120			0.213	29
Benzidine	1330	U	714	702	53.6	53.2	1	10.0-120	J	J	1.57	40
Benzo(a)anthracene	663	U	510	512	76.9	77.4	1	25.0-120			0.394	29
Benzo(b)fluoranthene	663	U	460	455	69.3	68.8	1	19.0-122			1.10	31
Benzo(k)fluoranthene	663	U	437	434	66.0	65.7	1	23.0-120			0.694	30
Benzo(g,h,i)perylene	663	U	456	448	68.7	67.8	1	10.0-120			1.56	33
Benzo(a)pyrene	663	12.5	430	428	63.0	62.9	1	24.0-120			0.469	30
Bis(2-chlorethoxy)methane	663	U	368	354	55.5	53.5	1	10.0-120			3.91	34
Bis(2-chloroethyl)ether	663	U	413	406	62.3	61.4	1	10.0-120			1.72	40
2,2-Oxybis(1-Chloropropane)	663	U	451	425	68.1	64.3	1	10.0-120			5.98	40
4-Bromophenyl-phenylether	663	U	475	452	71.6	68.4	1	27.0-120			4.78	30
2-Chloronaphthalene	663	U	441	422	66.6	63.9	1	20.0-120			4.43	32
4-Chlorophenyl-phenylether	663	U	446	424	67.3	64.2	1	24.0-120			5.09	29
Chrysene	663	U	450	448	67.9	67.8	1	21.0-120			0.448	29
Dibenz(a,h)anthracene	663	U	485	469	73.1	70.9	1	10.0-120			3.38	32
1,2-Dichlorobenzene	663	U	391	369	59.0	55.8	1	10.0-120			5.84	38
1,3-Dichlorobenzene	663	U	389	368	58.7	55.6	1	10.0-120			5.59	40
1,4-Dichlorobenzene	663	U	398	375	60.0	56.7	1	10.0-120			6.00	39
3,3-Dichlorobenzidine	1330	U	979	959	73.6	72.7	1	10.0-120			1.98	34
2,4-Dinitrotoluene	663	U	484	444	72.9	67.2	1	30.0-120			8.47	31

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1847545-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847545-01 04/14/25 09:57 • (MS) R4199390-1 04/14/25 10:26 • (MSD) R4199390-2 04/14/25 10:56

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	663	U	471	459	71.0	69.4	1	25.0-120			2.60	31
Fluoranthene	663	U	478	486	72.0	73.5	1	18.0-126			1.67	32
Fluorene	663	U	451	433	68.1	65.5	1	25.0-120			4.10	30
Hexachlorobenzene	663	U	403	395	60.8	59.8	1	27.0-120			2.02	28
Hexachloro-1,3-butadiene	663	U	291	279	43.9	42.2	1	10.0-120	U	U	4.24	38
Hexachlorocyclopentadiene	663	U	172	157	26.0	23.8	1	10.0-120	U	U	9.17	40
Hexachloroethane	663	U	386	375	58.2	56.7	1	10.0-120			2.91	40
Indeno(1,2,3-cd)pyrene	663	U	512	509	77.2	77.0	1	10.0-120			0.592	32
Isophorone	663	U	390	373	58.8	56.4	1	13.0-120			4.49	34
Naphthalene	663	U	350	343	52.7	51.8	1	10.0-120			2.04	35
Nitrobenzene	663	U	362	357	54.6	54.0	1	10.0-120			1.40	36
n-Nitrosodimethylamine	663	U	384	406	57.9	61.4	1	10.0-127			5.61	40
n-Nitrosodiphenylamine	663	U	473	458	71.3	69.2	1	17.0-120			3.25	29
n-Nitrosodi-n-propylamine	663	U	459	446	69.1	67.5	1	10.0-120			2.67	37
Phenanthrene	663	U	459	469	69.1	70.9	1	17.0-120			2.17	31
Benzylbutyl phthalate	663	U	599	599	90.3	90.5	1	23.0-120			0.000	30
Bis(2-ethylhexyl)phthalate	663	U	581	584	87.7	88.3	1	17.0-126			0.346	30
Di-n-butyl phthalate	663	U	517	511	78.0	77.3	1	30.0-120			1.18	29
Diethyl phthalate	663	U	531	501	80.1	75.8	1	26.0-120			5.86	28
Dimethyl phthalate	663	U	502	479	75.7	72.4	1	25.0-120			4.73	29
Di-n-octyl phthalate	663	U	597	605	90.0	91.5	1	21.0-123			1.34	29
Pyrene	663	U	472	480	71.1	72.6	1	16.0-121			1.69	32
1,2,4-Trichlorobenzene	663	U	346	335	52.1	50.6	1	12.0-120		U	3.26	37
4-Chloro-3-methylphenol	663	U	401	383	60.5	57.9	1	15.0-120			4.63	30
2-Chlorophenol	663	U	400	385	60.3	58.2	1	15.0-120			3.85	37
2,4-Dichlorophenol	663	U	389	376	58.7	56.9	1	20.0-120			3.43	31
2,4-Dimethylphenol	663	U	365	340	55.0	51.4	1	10.0-120			7.15	33
4,6-Dinitro-2-methylphenol	663	U	362	376	54.6	56.9	1	10.0-120			3.83	39
2,4-Dinitrophenol	663	U	325	333	48.9	50.3	1	10.0-121	U	U	2.45	40
2-Nitrophenol	663	U	381	372	57.4	56.2	1	12.0-120			2.41	39
4-Nitrophenol	663	U	512	493	77.2	74.5	1	10.0-137			3.81	32
Pentachlorophenol	663	U	362	364	54.6	55.0	1	10.0-160			0.556	31
Phenol	663	U	437	426	66.0	64.5	1	12.0-120			2.57	38
2,4,6-Trichlorophenol	663	U	459	440	69.1	66.6	1	19.0-120			4.04	32
(S) 2-Fluorophenol					78.3	75.2		12.0-120				
(S) Phenol-d5					70.4	68.9		10.0-120				
(S) Nitrobenzene-d5					50.5	49.1		10.0-122				
(S) 2-Fluorobiphenyl					68.1	65.5		15.0-120				
(S) 2,4,6-Tribromophenol					58.4	57.5		10.0-127				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1847545-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1847545-01 04/14/25 09:57 • (MS) R4199390-1 04/14/25 10:26 • (MSD) R4199390-2 04/14/25 10:56

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	ug/kg	ug/kg	ug/kg	ug/kg	%	%		%			%	%
(S) p-Terphenyl-d14					69.9	69.5		10.0-120				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

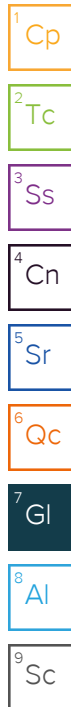
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.



GLOSSARY OF TERMS

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

ACCREDITATIONS & LOCATIONS

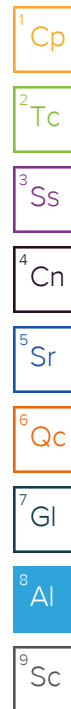
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

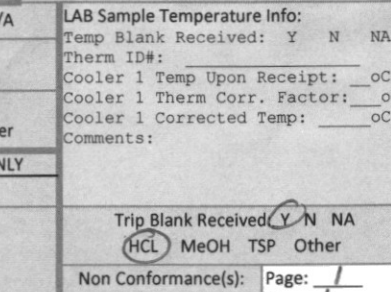
Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	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.





Multiple Parcel Form

L#

L1847544

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
SWA	RR A9	6.8	+0.4	1.2	Yes / No / Not Present
SWA	RR A9	1.0	+0.4	1.4	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Carol Bushfield
Name

4/13/25
Date



CHAIN-OF-CUSTODY Analytical Request Document

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>
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or
MTJL Log-In Number Here **H208**

ALL BOLD OUTLINED AREAS are for LAB USE ONLY

Company: CTEH	Billing Information: ctehap@montrose-env.com
Address:	
Report To: Lab Results; Kyle Lawrence; Lisa Howes; Andrew Henault	Email To: labresults@cteh.com; kylelawrence@cteh.com; lhowes@cteh.com; ahenault@cteh.com
Copy To:	Site Collection Info/Address:

Customer Project Name/Number: Bishop Loss of Containment PROJ-054017	State: CO County/City: Galeton Time Zone Collect [] PT [X] MT [] CT [] ET
---	---

Phone:	Site/Facility ID #:	Compliance Monitoring? [] Yes [] No
Email:		

Collected By (print): L. Howes	Purchase Order #:	DW PWS ID #:
	Quote #:	DW Location Code:

Collected By (signature): <i>LH</i>	Turnaround Date Required:	Immediately Packed on Ice: [X] Yes [] No
-------------------------------------	---------------------------	--

Sample Disposal: [] Dispose as appropriate [] Return [] Archive: [X] Hold: 2X	Rush: (Expedite Charges Apply) ASAP [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] Standard	Field Filtered (if applicable): [] Yes [] No Analysis:
--	--	--

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Date	Time	No. of Cntrs
GACO0412P001-D	SL	Grab	04/12/2025	1258	2
GACO0412D001-D	SL	Grab	04/12/2025	1312	2
GACO0412D002-D	SL	Grab	04/12/2025	1327	2
GACO0412T001-D	OT	Grab	04/12/2025	1525	1

Container Preservative Type **	Lab Project Manager:
U U U U U 3	

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

L1847544

Analyses

Container Type: Plastic (P) or Glass (G)	8260D - VOCs	8270E - SVOCs	8260D - TPH - GRO	8015C - TPH - DRO & ORO	6010 / 3500-Cr - TAL Metals	HCl Trip Blank
G	X	X	X	X	X	-
G	X	X	X	X	X	-
G	X	X	X	X	X	-
G	-	-	-	-	-	X

Lab Profile/Line:

Lab Sample Receipt Checklist:	
Custody Seals Present/Intact	N NA
Custody Signatures Present	N NA
Collector Signature Present	N NA
Bottles Intact	N NA
Correct Bottles	N NA
Sufficient Volume	N NA
Samples Received on Ice	N NA
VOA - Headspace Acceptable	N NA
USDA Regulated Soils	N NA
Samples in Holding Time	N NA
Residual Chlorine Present	N NA
Cl Strips:	
Sample pH Acceptable	N NA
pH Strips:	
Sulfide Present	N NA
Lead Acetate Strips:	

LAB USE ONLY:

Lab Sample # / Comments:

01
02
03
04

Customer Remarks / Special Conditions / Possible Hazards:	Type of Ice Used: Wet Blue Dry None	SHORT HOLDS PRESENT (<72 hours): Y N N/A	LAB Sample Temperature Info: Temp Blank Received: Y N NA Therm ID#:
	Packing Material Used:	Lab Tracking #:	Cooler 1 Temp Upon Receipt: °C Cooler 1 Therm Corr. Factor: °C Cooler 1 Corrected Temp: °C Comments:
	Radchem sample(s) screened (<500 cpm): Y N NA	Samples received via: FEDEX UPS Client Courier Pace Courier	

Relinquished by/Company: (Signature) <i>LH CTEH</i>	Date/Time: 04-12-25 1650	Received by/Company: (Signature) <i>[Signature]</i>	Date/Time: 4/12/25/656	MTJL LAB USE ONLY
Relinquished by/Company: (Signature) <i>[Signature]</i>	Date/Time: 4/12/25 1400	Received by/Company: (Signature) <i>[Signature]</i>	Date/Time:	Table #:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Acctnum: Template:
				PM: PB:

Trip Blank Received Y N NA
(HCL) MeOH TSP Other

Non Conformance(s): Page: 1
YES / NO of: 1

Multiple Parcel Form

L# L1847544

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
SWA	IR 19	6.8	+0.4	1.2	Yes / No / Not Present
SWA	IR 19	1.0	+0.4	1.4	Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Carol Bushfield
Name

4/13/25
Date