

CTEH - ER

Sample Delivery Group: L1853224
Samples Received: 04/30/2025
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

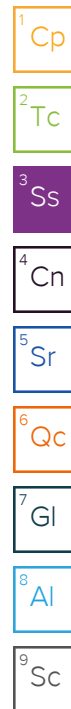
⁹ Sc

SAMPLE SUMMARY

GACO0429T000S004 L1853224-01 Solid

Collected by Jules Van H. Collected date/time 04/29/25 10:35 Received date/time 04/30/25 11:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2503695	1	04/30/25 14:18	05/01/25 17:28	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2503523	1	04/30/25 14:57	04/30/25 15:14	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2503850	1	04/30/25 18:20	04/30/25 20:11	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2503884	10	04/30/25 20:39	05/01/25 17:28	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2503695	1	04/30/25 14:18	04/30/25 18:40	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2503926	5	04/30/25 17:11	05/01/25 14:01	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2503717	1	04/30/25 14:01	04/30/25 15:56	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2503743	1	04/30/25 12:41	04/30/25 15:52	WHS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2503715	2	04/30/25 15:35	05/01/25 01:23	HLA	Mt. Juliet, TN



GACO0429T000S005 L1853224-02 Solid

Collected by Jules Van H. Collected date/time 04/29/25 11:28 Received date/time 04/30/25 11:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2503695	1	04/30/25 14:18	05/01/25 17:29	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2503523	1	04/30/25 14:57	04/30/25 15:14	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2503850	1	04/30/25 18:20	04/30/25 20:17	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2503884	10	04/30/25 20:39	05/01/25 17:29	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2503695	1	04/30/25 14:18	04/30/25 18:53	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2503926	5	04/30/25 17:11	05/01/25 14:01	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2503717	1	04/30/25 14:01	04/30/25 15:57	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2503743	1	04/30/25 12:41	04/30/25 16:11	WHS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2503715	1	04/30/25 15:35	04/30/25 22:15	HLA	Mt. Juliet, TN

GACO0429T000S006 L1853224-03 Solid

Collected by Jules Van H. Collected date/time 04/29/25 11:06 Received date/time 04/30/25 11:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2503695	1	04/30/25 14:18	05/01/25 17:32	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2503523	1	04/30/25 14:57	04/30/25 15:14	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2503850	1	04/30/25 18:20	04/30/25 20:18	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2503884	10	04/30/25 20:39	05/01/25 17:32	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2503695	1	04/30/25 14:18	04/30/25 19:06	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2503926	5	04/30/25 17:11	05/01/25 14:02	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2503717	1	04/30/25 14:01	04/30/25 15:59	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2503743	1	04/30/25 12:41	04/30/25 16:30	WHS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2503715	1	04/30/25 15:35	04/30/25 22:36	HLA	Mt. Juliet, TN

GACO0429T000S007 L1853224-04 Solid

Collected by Jules Van H. Collected date/time 04/29/25 10:42 Received date/time 04/30/25 11:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2503695	1	04/30/25 14:18	05/01/25 17:34	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2503523	1	04/30/25 14:57	04/30/25 15:14	CMB	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2503850	1	04/30/25 18:20	04/30/25 20:20	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2503884	10	04/30/25 20:39	05/01/25 17:34	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2503695	1	04/30/25 14:18	04/30/25 19:19	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2503926	5	04/30/25 17:11	05/01/25 14:02	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2503717	1	04/30/25 14:01	04/30/25 16:01	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2503743	1	04/30/25 12:41	04/30/25 16:49	WHS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2503715	1	04/30/25 15:35	04/30/25 23:18	HLA	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0429T000T002 L1853224-05 GW

Collected by
Jules Van H.

Collected date/time
04/29/25 07:30

Received date/time
04/30/25 11:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2503659	1	04/30/25 14:29	04/30/25 14:29	NCD	Mt. Juliet, TN

GACO0429T000T005 L1853224-06 GW

Collected by
Jules Van H.

Collected date/time
04/29/25 07:00

Received date/time
04/30/25 11:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2503659	1	04/30/25 14:49	04/30/25 14:49	NCD	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

CASE NARRATIVE

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



Jared Starkey
Project Manager

Wet Chemistry by Method 4500NOrg D-2021

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

Batch	Lab Sample ID	Analytes
WG2503884	(MS) R4208489-11, (MSD) R4208489-13	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2503884	(MS) R4208489-9	Kjeldahl Nitrogen, TKN

Wet Chemistry by Method 9056A

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2503695	Nitrate-Nitrite	L1853224-04

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2503717	(MS) R4207786-5	Aluminum and Iron

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

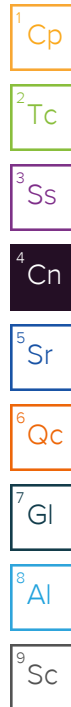
Batch	Lab Sample ID	Analytes
WG2503717	(MS) R4207786-5, (MSD) R4207786-6	Calcium

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

Batch	Lab Sample ID	Analytes
WG2503717	(MS) R4207786-5, (MSD) R4207786-6	Potassium

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

Batch	Lab Sample ID	Analytes
WG2503717	(MSD) R4207786-6	Iron



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
WG2503659	L1853224-05	Acetone, Naphthalene and Styrene
WG2503659	L1853224-06	Acetone, Naphthalene and Styrene

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

Batch	Lab Sample ID	Analytes
WG2503743	(LCS) R4207882-1, (LCSD) R4207882-2, L1853224-01, 02, 03, 04	2-Butanone (MEK) and Acetone

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

Batch	Lab Sample ID	Analytes
WG2503659	(LCSD) R4207900-2, L1853224-05, 06	2-Butanone (MEK) and Acetone
WG2503743	(LCSD) R4207882-2, L1853224-01, 02, 03, 04	Bromomethane

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

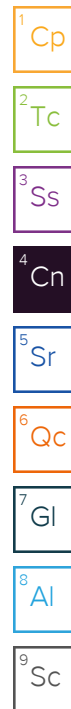
Batch	Lab Sample ID	Analytes
WG2503743	(MSD) R4207882-5	Acetone

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

Batch	Lab Sample ID	Analytes
WG2503659	(MS) R4207900-4, (MSD) R4207900-5	Acrolein and Bromomethane

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

Batch	Lab Sample ID	Analytes
WG2503743	(MSD) R4207882-5	1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloropropene, 2,2-Dichloropropane, 2-Butanone (MEK), Acetone, Carbon tetrachloride, Tetrachloroethene and trans-1,2-Dichloroethene



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
WG2503715	L1853224-01	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and Pentachlorophenol
WG2503715	L1853224-02	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and Pentachlorophenol
WG2503715	L1853224-03	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and Pentachlorophenol
WG2503715	L1853224-04	2,4-Dimethylphenol, Bis(2-chloroethyl)ether, Hexachlorocyclopentadiene and Pentachlorophenol

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

Batch	Lab Sample ID	Analytes
WG2503715	L1853224-01	Hexachlorocyclopentadiene
WG2503715	L1853224-02	Hexachlorocyclopentadiene
WG2503715	L1853224-03	Hexachlorocyclopentadiene
WG2503715	L1853224-04	Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2503715	(MS) R4207985-3, (MSD) R4207985-4	Benzidine and Hexachlorocyclopentadiene

Calculated Results

	Result (dry)	<u>Qualifier</u>	MDL (dry)	RDL (dry)	Dilution	Analysis	<u>Batch</u>
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Total Nitrogen	1270000		690	22800	1	05/01/2025 17:28	WG2503695

Total Solids by Method 2540 G-2011

	Result	<u>Qualifier</u>	Dilution	Analysis	<u>Batch</u>
Analyte	%			date / time	
Total Solids	87.8		1	04/30/2025 15:14	WG2503523

Wet Chemistry by Method 350.1

	Result (dry)	<u>Qualifier</u>	MDL (dry)	RDL (dry)	Dilution	Analysis	<u>Batch</u>
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Ammonia Nitrogen	U		8190	11400	1	04/30/2025 20:11	WG2503850

Wet Chemistry by Method 4500NOrg D-2021

	Result (dry)	<u>Qualifier</u>	MDL (dry)	RDL (dry)	Dilution	Analysis	<u>Batch</u>
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Kjeldahl Nitrogen, TKN	1240000		173000	228000	10	05/01/2025 17:28	WG2503884

Wet Chemistry by Method 9056A

	Result (dry)	<u>Qualifier</u>	MDL (dry)	RDL (dry)	Dilution	Analysis	<u>Batch</u>
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Nitrate-Nitrite	21800	<u>J</u>	690	22800	1	04/30/2025 18:40	WG2503695

Wet Chemistry by Method WALKLEY-BLACK

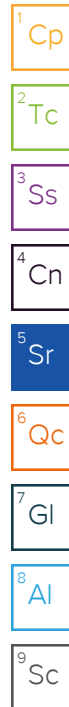
	Result	<u>Qualifier</u>	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	ug/kg		ug/kg	ug/kg		date / time	
TOC By Walkley Black	17500000		128000	500000	5	05/01/2025 14:01	WG2503926

Metals (ICP) by Method 6010D

	Result (dry)	<u>Qualifier</u>	MDL (dry)	RDL (dry)	Dilution	Analysis	<u>Batch</u>
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Aluminum	2210000		6930	22800	1	04/30/2025 15:56	WG2503717
Antimony	U		787	2280	1	04/30/2025 15:56	WG2503717
Beryllium	373		54.3	228	1	04/30/2025 15:56	WG2503717
Calcium	2700000		21600	114000	1	04/30/2025 15:56	WG2503717
Cobalt	2850		202	1140	1	04/30/2025 15:56	WG2503717
Iron	3160000		2550	11400	1	04/30/2025 15:56	WG2503717
Magnesium	1200000		22700	114000	1	04/30/2025 15:56	WG2503717
Manganese	199000		197	1140	1	04/30/2025 15:56	WG2503717
Potassium	1360000		23800	114000	1	04/30/2025 15:56	WG2503717
Sodium	143000		46900	114000	1	04/30/2025 15:56	WG2503717
Thallium	U		590	2280	1	04/30/2025 15:56	WG2503717
Vanadium	7780		436	2280	1	04/30/2025 15:56	WG2503717

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

	Result (dry)	<u>Qualifier</u>	MDL (dry)	RDL (dry)	Dilution	Analysis	<u>Batch</u>
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Acetone	U	<u>J4</u>	46.7	64.0	1	04/30/2025 15:52	WG2503743
Acrylonitrile	U		4.62	16.0	1	04/30/2025 15:52	WG2503743
Bromobenzene	U		1.15	16.0	1	04/30/2025 15:52	WG2503743
Bromodichloromethane	U		0.927	3.20	1	04/30/2025 15:52	WG2503743
Bromoform	U		1.50	32.0	1	04/30/2025 15:52	WG2503743
Bromomethane	U	<u>J3</u>	2.52	16.0	1	04/30/2025 15:52	WG2503743



GACO0429T000S004

Collected date/time: 04/29/25 10:35

SAMPLE RESULTS - 01

L1853224

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
n-Butylbenzene	U		6.72	16.0	1	04/30/2025 15:52	WG2503743
sec-Butylbenzene	U		3.68	16.0	1	04/30/2025 15:52	WG2503743
tert-Butylbenzene	U		2.49	6.40	1	04/30/2025 15:52	WG2503743
Carbon tetrachloride	U		1.15	6.40	1	04/30/2025 15:52	WG2503743
Chlorobenzene	U		0.269	3.20	1	04/30/2025 15:52	WG2503743
Chlorodibromomethane	U		0.783	3.20	1	04/30/2025 15:52	WG2503743
Chloroethane	U		2.17	6.40	1	04/30/2025 15:52	WG2503743
Chloroform	U		1.32	3.20	1	04/30/2025 15:52	WG2503743
Chloromethane	U		5.56	16.0	1	04/30/2025 15:52	WG2503743
2-Chlorotoluene	U		1.11	3.20	1	04/30/2025 15:52	WG2503743
4-Chlorotoluene	U		0.576	6.40	1	04/30/2025 15:52	WG2503743
1,2-Dibromo-3-Chloropropane	U		4.99	32.0	1	04/30/2025 15:52	WG2503743
1,2-Dibromoethane	U		0.829	3.20	1	04/30/2025 15:52	WG2503743
Dibromomethane	U		0.959	6.40	1	04/30/2025 15:52	WG2503743
1,2-Dichlorobenzene	U		0.544	6.40	1	04/30/2025 15:52	WG2503743
1,3-Dichlorobenzene	U		0.768	6.40	1	04/30/2025 15:52	WG2503743
1,4-Dichlorobenzene	U		0.895	6.40	1	04/30/2025 15:52	WG2503743
Dichlorodifluoromethane	U		2.06	6.40	1	04/30/2025 15:52	WG2503743
1,1-Dichloroethane	U		0.628	3.20	1	04/30/2025 15:52	WG2503743
1,2-Dichloroethane	U		0.830	3.20	1	04/30/2025 15:52	WG2503743
1,1-Dichloroethene	U		0.775	3.20	1	04/30/2025 15:52	WG2503743
cis-1,2-Dichloroethene	U		0.939	3.20	1	04/30/2025 15:52	WG2503743
trans-1,2-Dichloroethene	U		1.33	6.40	1	04/30/2025 15:52	WG2503743
1,2-Dichloropropane	U		1.82	6.40	1	04/30/2025 15:52	WG2503743
1,1-Dichloropropene	U		1.03	3.20	1	04/30/2025 15:52	WG2503743
1,3-Dichloropropane	U		0.641	6.40	1	04/30/2025 15:52	WG2503743
cis-1,3-Dichloropropene	U		0.968	3.20	1	04/30/2025 15:52	WG2503743
trans-1,3-Dichloropropene	U		1.46	6.40	1	04/30/2025 15:52	WG2503743
2,2-Dichloropropane	U		1.77	3.20	1	04/30/2025 15:52	WG2503743
Di-isopropyl ether	U		0.524	1.28	1	04/30/2025 15:52	WG2503743
Hexachloro-1,3-butadiene	U		7.68	32.0	1	04/30/2025 15:52	WG2503743
Isopropylbenzene	U		0.544	3.20	1	04/30/2025 15:52	WG2503743
p-Isopropyltoluene	U		3.26	6.40	1	04/30/2025 15:52	WG2503743
2-Butanone (MEK)	U	J4	81.2	128	1	04/30/2025 15:52	WG2503743
Methylene Chloride	U		8.49	32.0	1	04/30/2025 15:52	WG2503743
4-Methyl-2-pentanone (MIBK)	U		2.92	32.0	1	04/30/2025 15:52	WG2503743
Methyl tert-butyl ether	U		0.448	1.28	1	04/30/2025 15:52	WG2503743
n-Propylbenzene	U		1.22	6.40	1	04/30/2025 15:52	WG2503743
Styrene	U		0.293	16.0	1	04/30/2025 15:52	WG2503743
1,1,1,2-Tetrachloroethane	U		1.21	3.20	1	04/30/2025 15:52	WG2503743
1,1,2,2-Tetrachloroethane	U		0.889	3.20	1	04/30/2025 15:52	WG2503743
1,1,2-Trichlorotrifluoroethane	U		0.965	3.20	1	04/30/2025 15:52	WG2503743
Tetrachloroethene	U		1.15	3.20	1	04/30/2025 15:52	WG2503743
1,2,3-Trichlorobenzene	U		9.38	16.0	1	04/30/2025 15:52	WG2503743
1,2,4-Trichlorobenzene	U		5.63	16.0	1	04/30/2025 15:52	WG2503743
1,1,1-Trichloroethane	U		1.18	3.20	1	04/30/2025 15:52	WG2503743
1,1,2-Trichloroethane	U		0.764	3.20	1	04/30/2025 15:52	WG2503743
Trichloroethene	U		0.747	1.28	1	04/30/2025 15:52	WG2503743
Trichlorofluoromethane	U		1.06	3.20	1	04/30/2025 15:52	WG2503743
1,2,3-Trichloropropane	U		2.07	16.0	1	04/30/2025 15:52	WG2503743
1,2,3-Trimethylbenzene	U		2.02	6.40	1	04/30/2025 15:52	WG2503743
Vinyl chloride	U		1.48	3.20	1	04/30/2025 15:52	WG2503743
(S) Toluene-d8	101			75.0-131		04/30/2025 15:52	WG2503743
(S) 4-Bromofluorobenzene	92.9			67.0-138		04/30/2025 15:52	WG2503743
(S) 1,2-Dichloroethane-d4	105			70.0-130		04/30/2025 15:52	WG2503743

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
Acenaphthylene	U		10.7	75.9	2	05/01/2025 01:23	WG2503715
Benzdine	U		142	3810	2	05/01/2025 01:23	WG2503715
Benzo(g,h,i)perylene	U		13.9	75.9	2	05/01/2025 01:23	WG2503715
Bis(2-chlorethoxy)methane	U		22.8	759	2	05/01/2025 01:23	WG2503715
Bis(2-chloroethyl)ether	U	C3	25.1	759	2	05/01/2025 01:23	WG2503715
2,2-Oxybis(1-Chloropropane)	U		32.8	759	2	05/01/2025 01:23	WG2503715
4-Bromophenyl-phenylether	U		26.7	759	2	05/01/2025 01:23	WG2503715
2-Chloronaphthalene	U		13.3	75.9	2	05/01/2025 01:23	WG2503715
4-Chlorophenyl-phenylether	U		26.4	759	2	05/01/2025 01:23	WG2503715
1,2-Dichlorobenzene	U		22.4	759	2	05/01/2025 01:23	WG2503715
1,3-Dichlorobenzene	U		23.0	759	2	05/01/2025 01:23	WG2503715
1,4-Dichlorobenzene	U		22.6	759	2	05/01/2025 01:23	WG2503715
3,3-Dichlorobenzidine	U		28.0	759	2	05/01/2025 01:23	WG2503715
2,4-Dinitrotoluene	U		21.8	759	2	05/01/2025 01:23	WG2503715
2,6-Dinitrotoluene	U		24.8	759	2	05/01/2025 01:23	WG2503715
Hexachlorobenzene	U		26.9	759	2	05/01/2025 01:23	WG2503715
Hexachloro-1,3-butadiene	U		25.5	759	2	05/01/2025 01:23	WG2503715
Hexachlorocyclopentadiene	U	C3 C7	39.9	759	2	05/01/2025 01:23	WG2503715
Hexachloroethane	U		29.9	759	2	05/01/2025 01:23	WG2503715
Isophorone	U		23.2	759	2	05/01/2025 01:23	WG2503715
Nitrobenzene	U		26.4	759	2	05/01/2025 01:23	WG2503715
n-Nitrosodimethylamine	U		113	759	2	05/01/2025 01:23	WG2503715
n-Nitrosodiphenylamine	U		57.4	759	2	05/01/2025 01:23	WG2503715
n-Nitrosodi-n-propylamine	U		25.3	759	2	05/01/2025 01:23	WG2503715
Phenanthrene	U		15.0	75.9	2	05/01/2025 01:23	WG2503715
Benzylbutyl phthalate	U		23.7	759	2	05/01/2025 01:23	WG2503715
Bis(2-ethylhexyl)phtthalate	U		96.2	759	2	05/01/2025 01:23	WG2503715
Di-n-butyl phthalate	U		26.0	759	2	05/01/2025 01:23	WG2503715
Diethyl phthalate	U		25.1	759	2	05/01/2025 01:23	WG2503715
Dimethyl phthalate	U		161	759	2	05/01/2025 01:23	WG2503715
Di-n-octyl phthalate	U		51.3	759	2	05/01/2025 01:23	WG2503715
1,2,4-Trichlorobenzene	U		23.7	759	2	05/01/2025 01:23	WG2503715
4-Chloro-3-methylphenol	U		24.6	759	2	05/01/2025 01:23	WG2503715
2-Chlorophenol	U		25.1	759	2	05/01/2025 01:23	WG2503715
2,4-Dichlorophenol	U		22.1	759	2	05/01/2025 01:23	WG2503715
2,4-Dimethylphenol	U	C3	19.8	759	2	05/01/2025 01:23	WG2503715
4,6-Dinitro-2-methylphenol	U		172	759	2	05/01/2025 01:23	WG2503715
2,4-Dinitrophenol	U		178	759	2	05/01/2025 01:23	WG2503715
2-Nitrophenol	U		27.1	759	2	05/01/2025 01:23	WG2503715
4-Nitrophenol	U		23.7	759	2	05/01/2025 01:23	WG2503715
Pentachlorophenol	U	C3	20.4	759	2	05/01/2025 01:23	WG2503715
Phenol	U		30.5	759	2	05/01/2025 01:23	WG2503715
2,4,6-Trichlorophenol	U		24.4	759	2	05/01/2025 01:23	WG2503715
(S) 2-Fluorophenol	84.9			12.0-120		05/01/2025 01:23	WG2503715
(S) Phenol-d5	80.3			10.0-120		05/01/2025 01:23	WG2503715
(S) Nitrobenzene-d5	79.1			10.0-122		05/01/2025 01:23	WG2503715
(S) 2-Fluorobiphenyl	75.7			15.0-120		05/01/2025 01:23	WG2503715
(S) 2,4,6-Tribromophenol	80.3			10.0-127		05/01/2025 01:23	WG2503715
(S) p-Terphenyl-d14	76.0			10.0-120		05/01/2025 01:23	WG2503715

Sample Narrative:

L1853224-01 WG2503715: Dilution due to matrix impact during extraction procedure

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Calculated Results

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Total Nitrogen	1340000		669	22100	1	05/01/2025 17:29	WG2503695

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	90.6		1	04/30/2025 15:14	WG2503523

Wet Chemistry by Method 350.1

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Ammonia Nitrogen	U		7930	11000	1	04/30/2025 20:17	WG2503850

Wet Chemistry by Method 4500NOrg D-2021

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Kjeldahl Nitrogen, TKN	1320000		168000	221000	10	05/01/2025 17:29	WG2503884

Wet Chemistry by Method 9056A

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Nitrate-Nitrite	21000	J	669	22100	1	04/30/2025 18:53	WG2503695

Wet Chemistry by Method WALKLEY-BLACK

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
TOC By Walkley Black	18400000		128000	500000	5	05/01/2025 14:01	WG2503926

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	2200000		6710	22100	1	04/30/2025 15:57	WG2503717
Antimony	U		762	2210	1	04/30/2025 15:57	WG2503717
Beryllium	381		52.6	221	1	04/30/2025 15:57	WG2503717
Calcium	13800000		21000	110000	1	04/30/2025 15:57	WG2503717
Cobalt	2890		195	1100	1	04/30/2025 15:57	WG2503717
Iron	3060000		2470	11000	1	04/30/2025 15:57	WG2503717
Magnesium	1740000		22000	110000	1	04/30/2025 15:57	WG2503717
Manganese	176000		191	1100	1	04/30/2025 15:57	WG2503717
Potassium	1290000		23100	110000	1	04/30/2025 15:57	WG2503717
Sodium	220000		45500	110000	1	04/30/2025 15:57	WG2503717
Thallium	U		572	2210	1	04/30/2025 15:57	WG2503717
Vanadium	8770		423	2210	1	04/30/2025 15:57	WG2503717

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	J4	44.0	60.3	1	04/30/2025 16:11	WG2503743
Acrylonitrile	U		4.36	15.1	1	04/30/2025 16:11	WG2503743
Bromobenzene	U		1.09	15.1	1	04/30/2025 16:11	WG2503743
Bromodichloromethane	U		0.875	3.02	1	04/30/2025 16:11	WG2503743
Bromoform	U		1.41	30.2	1	04/30/2025 16:11	WG2503743
Bromomethane	U	J3	2.38	15.1	1	04/30/2025 16:11	WG2503743



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
n-Butylbenzene	U		6.34	15.1	1	04/30/2025 16:11	WG2503743
sec-Butylbenzene	U		3.48	15.1	1	04/30/2025 16:11	WG2503743
tert-Butylbenzene	U		2.35	6.03	1	04/30/2025 16:11	WG2503743
Carbon tetrachloride	U		1.08	6.03	1	04/30/2025 16:11	WG2503743
Chlorobenzene	U		0.253	3.02	1	04/30/2025 16:11	WG2503743
Chlorodibromomethane	U		0.739	3.02	1	04/30/2025 16:11	WG2503743
Chloroethane	U		2.05	6.03	1	04/30/2025 16:11	WG2503743
Chloroform	U		1.24	3.02	1	04/30/2025 16:11	WG2503743
Chloromethane	U		5.25	15.1	1	04/30/2025 16:11	WG2503743
2-Chlorotoluene	U		1.04	3.02	1	04/30/2025 16:11	WG2503743
4-Chlorotoluene	U		0.543	6.03	1	04/30/2025 16:11	WG2503743
1,2-Dibromo-3-Chloropropane	U		4.71	30.2	1	04/30/2025 16:11	WG2503743
1,2-Dibromoethane	U		0.782	3.02	1	04/30/2025 16:11	WG2503743
Dibromomethane	U		0.905	6.03	1	04/30/2025 16:11	WG2503743
1,2-Dichlorobenzene	U		0.513	6.03	1	04/30/2025 16:11	WG2503743
1,3-Dichlorobenzene	U		0.724	6.03	1	04/30/2025 16:11	WG2503743
1,4-Dichlorobenzene	U		0.845	6.03	1	04/30/2025 16:11	WG2503743
Dichlorodifluoromethane	U		1.94	6.03	1	04/30/2025 16:11	WG2503743
1,1-Dichloroethane	U		0.593	3.02	1	04/30/2025 16:11	WG2503743
1,2-Dichloroethane	U		0.783	3.02	1	04/30/2025 16:11	WG2503743
1,1-Dichloroethene	U		0.731	3.02	1	04/30/2025 16:11	WG2503743
cis-1,2-Dichloroethene	U		0.886	3.02	1	04/30/2025 16:11	WG2503743
trans-1,2-Dichloroethene	U		1.26	6.03	1	04/30/2025 16:11	WG2503743
1,2-Dichloropropane	U		1.71	6.03	1	04/30/2025 16:11	WG2503743
1,1-Dichloropropene	U		0.976	3.02	1	04/30/2025 16:11	WG2503743
1,3-Dichloropropane	U		0.605	6.03	1	04/30/2025 16:11	WG2503743
cis-1,3-Dichloropropene	U		0.914	3.02	1	04/30/2025 16:11	WG2503743
trans-1,3-Dichloropropene	U		1.38	6.03	1	04/30/2025 16:11	WG2503743
2,2-Dichloropropane	U		1.67	3.02	1	04/30/2025 16:11	WG2503743
Di-isopropyl ether	U		0.495	1.21	1	04/30/2025 16:11	WG2503743
Hexachloro-1,3-butadiene	U		7.24	30.2	1	04/30/2025 16:11	WG2503743
Isopropylbenzene	U		0.513	3.02	1	04/30/2025 16:11	WG2503743
p-Isopropyltoluene	U		3.08	6.03	1	04/30/2025 16:11	WG2503743
2-Butanone (MEK)	U	J4	76.6	121	1	04/30/2025 16:11	WG2503743
Methylene Chloride	U		8.01	30.2	1	04/30/2025 16:11	WG2503743
4-Methyl-2-pentanone (MIBK)	U		2.75	30.2	1	04/30/2025 16:11	WG2503743
Methyl tert-butyl ether	U		0.422	1.21	1	04/30/2025 16:11	WG2503743
n-Propylbenzene	U		1.15	6.03	1	04/30/2025 16:11	WG2503743
Styrene	U		0.276	15.1	1	04/30/2025 16:11	WG2503743
1,1,1,2-Tetrachloroethane	U		1.14	3.02	1	04/30/2025 16:11	WG2503743
1,1,2,2-Tetrachloroethane	U		0.839	3.02	1	04/30/2025 16:11	WG2503743
1,1,2-Trichlorotrifluoroethane	U		0.910	3.02	1	04/30/2025 16:11	WG2503743
Tetrachloroethene	U		1.08	3.02	1	04/30/2025 16:11	WG2503743
1,2,3-Trichlorobenzene	U		8.85	15.1	1	04/30/2025 16:11	WG2503743
1,2,4-Trichlorobenzene	U		5.31	15.1	1	04/30/2025 16:11	WG2503743
1,1,1-Trichloroethane	U		1.11	3.02	1	04/30/2025 16:11	WG2503743
1,1,2-Trichloroethane	U		0.720	3.02	1	04/30/2025 16:11	WG2503743
Trichloroethene	U		0.705	1.21	1	04/30/2025 16:11	WG2503743
Trichlorofluoromethane	U		0.998	3.02	1	04/30/2025 16:11	WG2503743
1,2,3-Trichloropropane	U		1.96	15.1	1	04/30/2025 16:11	WG2503743
1,2,3-Trimethylbenzene	U		1.91	6.03	1	04/30/2025 16:11	WG2503743
Vinyl chloride	U		1.40	3.02	1	04/30/2025 16:11	WG2503743
(S) Toluene-d8	98.3			75.0-131		04/30/2025 16:11	WG2503743
(S) 4-Bromofluorobenzene	93.6			67.0-138		04/30/2025 16:11	WG2503743
(S) 1,2-Dichloroethane-d4	111			70.0-130		04/30/2025 16:11	WG2503743

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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
Acenaphthylene	U		5.18	36.7	1	04/30/2025 22:15	WG2503715
Benzidine	U		69.1	1840	1	04/30/2025 22:15	WG2503715
Benzo(g,h,i)perylene	U		6.72	36.7	1	04/30/2025 22:15	WG2503715
Bis(2-chlorethoxy)methane	U		11.0	367	1	04/30/2025 22:15	WG2503715
Bis(2-chloroethyl)ether	U	C3	12.1	367	1	04/30/2025 22:15	WG2503715
2,2-Oxybis(1-Chloropropane)	U		15.9	367	1	04/30/2025 22:15	WG2503715
4-Bromophenyl-phenylether	U		12.9	367	1	04/30/2025 22:15	WG2503715
2-Chloronaphthalene	U		6.45	36.7	1	04/30/2025 22:15	WG2503715
4-Chlorophenyl-phenylether	U		12.8	367	1	04/30/2025 22:15	WG2503715
1,2-Dichlorobenzene	U		10.9	367	1	04/30/2025 22:15	WG2503715
1,3-Dichlorobenzene	U		11.1	367	1	04/30/2025 22:15	WG2503715
1,4-Dichlorobenzene	U		10.9	367	1	04/30/2025 22:15	WG2503715
3,3-Dichlorobenzidine	U		13.6	367	1	04/30/2025 22:15	WG2503715
2,4-Dinitrotoluene	U		10.5	367	1	04/30/2025 22:15	WG2503715
2,6-Dinitrotoluene	U		12.0	367	1	04/30/2025 22:15	WG2503715
Hexachlorobenzene	U		13.0	367	1	04/30/2025 22:15	WG2503715
Hexachloro-1,3-butadiene	U		12.4	367	1	04/30/2025 22:15	WG2503715
Hexachlorocyclopentadiene	U	C3 C7	19.3	367	1	04/30/2025 22:15	WG2503715
Hexachloroethane	U		14.5	367	1	04/30/2025 22:15	WG2503715
Isophorone	U		11.3	367	1	04/30/2025 22:15	WG2503715
Nitrobenzene	U		12.8	367	1	04/30/2025 22:15	WG2503715
n-Nitrosodimethylamine	U		54.5	367	1	04/30/2025 22:15	WG2503715
n-Nitrosodiphenylamine	U		27.8	367	1	04/30/2025 22:15	WG2503715
n-Nitrosodi-n-propylamine	U		12.2	367	1	04/30/2025 22:15	WG2503715
Phenanthrene	U		7.29	36.7	1	04/30/2025 22:15	WG2503715
Benzylbutyl phthalate	U		11.5	367	1	04/30/2025 22:15	WG2503715
Bis(2-ethylhexyl)phthalate	U		46.6	367	1	04/30/2025 22:15	WG2503715
Di-n-butyl phthalate	U		12.6	367	1	04/30/2025 22:15	WG2503715
Diethyl phthalate	U		12.1	367	1	04/30/2025 22:15	WG2503715
Dimethyl phthalate	U		77.9	367	1	04/30/2025 22:15	WG2503715
Di-n-octyl phthalate	U		24.8	367	1	04/30/2025 22:15	WG2503715
1,2,4-Trichlorobenzene	U		11.5	367	1	04/30/2025 22:15	WG2503715
4-Chloro-3-methylphenol	U		11.9	367	1	04/30/2025 22:15	WG2503715
2-Chlorophenol	U		12.1	367	1	04/30/2025 22:15	WG2503715
2,4-Dichlorophenol	U		10.7	367	1	04/30/2025 22:15	WG2503715
2,4-Dimethylphenol	U	C3	9.60	367	1	04/30/2025 22:15	WG2503715
4,6-Dinitro-2-methylphenol	U		83.3	367	1	04/30/2025 22:15	WG2503715
2,4-Dinitrophenol	U		86.0	367	1	04/30/2025 22:15	WG2503715
2-Nitrophenol	U		13.1	367	1	04/30/2025 22:15	WG2503715
4-Nitrophenol	U		11.5	367	1	04/30/2025 22:15	WG2503715
Pentachlorophenol	U	C3	9.89	367	1	04/30/2025 22:15	WG2503715
Phenol	U		14.8	367	1	04/30/2025 22:15	WG2503715
2,4,6-Trichlorophenol	U		11.8	367	1	04/30/2025 22:15	WG2503715
(S) 2-Fluorophenol	82.8			12.0-120		04/30/2025 22:15	WG2503715
(S) Phenol-d5	75.2			10.0-120		04/30/2025 22:15	WG2503715
(S) Nitrobenzene-d5	76.3			10.0-122		04/30/2025 22:15	WG2503715
(S) 2-Fluorobiphenyl	76.3			15.0-120		04/30/2025 22:15	WG2503715
(S) 2,4,6-Tribromophenol	81.5			10.0-127		04/30/2025 22:15	WG2503715
(S) p-Terphenyl-d14	78.7			10.0-120		04/30/2025 22:15	WG2503715

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Calculated Results

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Total Nitrogen	1230000		715	23600	1	05/01/2025 17:32	WG2503695

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	84.7		1	04/30/2025 15:14	WG2503523

Wet Chemistry by Method 350.1

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Ammonia Nitrogen	U		8490	11800	1	04/30/2025 20:18	WG2503850

Wet Chemistry by Method 4500NOrg D-2021

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Kjeldahl Nitrogen, TKN	1220000		179000	236000	10	05/01/2025 17:32	WG2503884

Wet Chemistry by Method 9056A

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Nitrate-Nitrite	9180	J	715	23600	1	04/30/2025 19:06	WG2503695

Wet Chemistry by Method WALKLEY-BLACK

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
TOC By Walkley Black	17700000		128000	500000	5	05/01/2025 14:02	WG2503926

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	1840000		7180	23600	1	04/30/2025 15:59	WG2503717
Antimony	U		816	2360	1	04/30/2025 15:59	WG2503717
Beryllium	470		56.3	236	1	04/30/2025 15:59	WG2503717
Calcium	5420000		22400	118000	1	04/30/2025 15:59	WG2503717
Cobalt	2650		209	1180	1	04/30/2025 15:59	WG2503717
Iron	2320000		2640	11800	1	04/30/2025 15:59	WG2503717
Magnesium	1900000		23500	118000	1	04/30/2025 15:59	WG2503717
Manganese	183000		204	1180	1	04/30/2025 15:59	WG2503717
Potassium	1100000		24700	118000	1	04/30/2025 15:59	WG2503717
Sodium	158000		48600	118000	1	04/30/2025 15:59	WG2503717
Thallium	U		612	2360	1	04/30/2025 15:59	WG2503717
Vanadium	7860		452	2360	1	04/30/2025 15:59	WG2503717

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	J4	49.7	68.1	1	04/30/2025 16:30	WG2503743
Acrylonitrile	U		4.91	17.0	1	04/30/2025 16:30	WG2503743
Bromobenzene	U		1.23	17.0	1	04/30/2025 16:30	WG2503743
Bromodichloromethane	U		0.987	3.40	1	04/30/2025 16:30	WG2503743
Bromoform	U		1.59	34.0	1	04/30/2025 16:30	WG2503743
Bromomethane	U	J3	2.68	17.0	1	04/30/2025 16:30	WG2503743



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
n-Butylbenzene	U		7.15	17.0	1	04/30/2025 16:30	WG2503743
sec-Butylbenzene	U		3.92	17.0	1	04/30/2025 16:30	WG2503743
tert-Butylbenzene	U		2.65	6.81	1	04/30/2025 16:30	WG2503743
Carbon tetrachloride	U		1.22	6.81	1	04/30/2025 16:30	WG2503743
Chlorobenzene	U		0.286	3.40	1	04/30/2025 16:30	WG2503743
Chlorodibromomethane	U		0.833	3.40	1	04/30/2025 16:30	WG2503743
Chloroethane	U		2.31	6.81	1	04/30/2025 16:30	WG2503743
Chloroform	U		1.40	3.40	1	04/30/2025 16:30	WG2503743
Chloromethane	U		5.92	17.0	1	04/30/2025 16:30	WG2503743
2-Chlorotoluene	U		1.18	3.40	1	04/30/2025 16:30	WG2503743
4-Chlorotoluene	U		0.613	6.81	1	04/30/2025 16:30	WG2503743
1,2-Dibromo-3-Chloropropane	U		5.31	34.0	1	04/30/2025 16:30	WG2503743
1,2-Dibromoethane	U		0.882	3.40	1	04/30/2025 16:30	WG2503743
Dibromomethane	U		1.02	6.81	1	04/30/2025 16:30	WG2503743
1,2-Dichlorobenzene	U		0.579	6.81	1	04/30/2025 16:30	WG2503743
1,3-Dichlorobenzene	U		0.817	6.81	1	04/30/2025 16:30	WG2503743
1,4-Dichlorobenzene	U		0.953	6.81	1	04/30/2025 16:30	WG2503743
Dichlorodifluoromethane	U		2.19	6.81	1	04/30/2025 16:30	WG2503743
1,1-Dichloroethane	U		0.668	3.40	1	04/30/2025 16:30	WG2503743
1,2-Dichloroethane	U		0.884	3.40	1	04/30/2025 16:30	WG2503743
1,1-Dichloroethene	U		0.825	3.40	1	04/30/2025 16:30	WG2503743
cis-1,2-Dichloroethene	U		0.999	3.40	1	04/30/2025 16:30	WG2503743
trans-1,2-Dichloroethene	U		1.42	6.81	1	04/30/2025 16:30	WG2503743
1,2-Dichloropropane	U		1.93	6.81	1	04/30/2025 16:30	WG2503743
1,1-Dichloropropene	U		1.10	3.40	1	04/30/2025 16:30	WG2503743
1,3-Dichloropropane	U		0.682	6.81	1	04/30/2025 16:30	WG2503743
cis-1,3-Dichloropropene	U		1.03	3.40	1	04/30/2025 16:30	WG2503743
trans-1,3-Dichloropropene	U		1.55	6.81	1	04/30/2025 16:30	WG2503743
2,2-Dichloropropane	U		1.88	3.40	1	04/30/2025 16:30	WG2503743
Di-isopropyl ether	U		0.558	1.36	1	04/30/2025 16:30	WG2503743
Hexachloro-1,3-butadiene	U		8.17	34.0	1	04/30/2025 16:30	WG2503743
Isopropylbenzene	U		0.579	3.40	1	04/30/2025 16:30	WG2503743
p-Isopropyltoluene	U		3.47	6.81	1	04/30/2025 16:30	WG2503743
2-Butanone (MEK)	U	J4	86.4	136	1	04/30/2025 16:30	WG2503743
Methylene Chloride	U		9.04	34.0	1	04/30/2025 16:30	WG2503743
4-Methyl-2-pentanone (MIBK)	U		3.10	34.0	1	04/30/2025 16:30	WG2503743
Methyl tert-butyl ether	U		0.476	1.36	1	04/30/2025 16:30	WG2503743
n-Propylbenzene	U		1.29	6.81	1	04/30/2025 16:30	WG2503743
Styrene	U		0.312	17.0	1	04/30/2025 16:30	WG2503743
1,1,1,2-Tetrachloroethane	U		1.29	3.40	1	04/30/2025 16:30	WG2503743
1,1,2,2-Tetrachloroethane	U		0.946	3.40	1	04/30/2025 16:30	WG2503743
1,1,2-Trichlorotrifluoroethane	U		1.03	3.40	1	04/30/2025 16:30	WG2503743
Tetrachloroethene	U		1.22	3.40	1	04/30/2025 16:30	WG2503743
1,2,3-Trichlorobenzene	U		9.98	17.0	1	04/30/2025 16:30	WG2503743
1,2,4-Trichlorobenzene	U		5.99	17.0	1	04/30/2025 16:30	WG2503743
1,1,1-Trichloroethane	U		1.26	3.40	1	04/30/2025 16:30	WG2503743
1,1,2-Trichloroethane	U		0.813	3.40	1	04/30/2025 16:30	WG2503743
Trichloroethene	U		0.795	1.36	1	04/30/2025 16:30	WG2503743
Trichlorofluoromethane	U		1.13	3.40	1	04/30/2025 16:30	WG2503743
1,2,3-Trichloropropane	U		2.21	17.0	1	04/30/2025 16:30	WG2503743
1,2,3-Trimethylbenzene	U		2.15	6.81	1	04/30/2025 16:30	WG2503743
Vinyl chloride	U		1.58	3.40	1	04/30/2025 16:30	WG2503743
(S) Toluene-d8	99.6			75.0-131		04/30/2025 16:30	WG2503743
(S) 4-Bromofluorobenzene	94.2			67.0-138		04/30/2025 16:30	WG2503743
(S) 1,2-Dichloroethane-d4	112			70.0-130		04/30/2025 16:30	WG2503743

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
Acenaphthylene	U		5.54	39.3	1	04/30/2025 22:36	WG2503715
Benzidine	U		73.9	1970	1	04/30/2025 22:36	WG2503715
Benzo(g,h,i)perylene	U		7.19	39.3	1	04/30/2025 22:36	WG2503715
Bis(2-chlorethoxy)methane	U		11.8	393	1	04/30/2025 22:36	WG2503715
Bis(2-chloroethyl)ether	U	C3	13.0	393	1	04/30/2025 22:36	WG2503715
2,2-Oxybis(1-Chloropropane)	U		17.0	393	1	04/30/2025 22:36	WG2503715
4-Bromophenyl-phenylether	U		13.8	393	1	04/30/2025 22:36	WG2503715
2-Chloronaphthalene	U		6.91	39.3	1	04/30/2025 22:36	WG2503715
4-Chlorophenyl-phenylether	U		13.7	393	1	04/30/2025 22:36	WG2503715
1,2-Dichlorobenzene	U		11.7	393	1	04/30/2025 22:36	WG2503715
1,3-Dichlorobenzene	U		11.9	393	1	04/30/2025 22:36	WG2503715
1,4-Dichlorobenzene	U		11.7	393	1	04/30/2025 22:36	WG2503715
3,3-Dichlorobenzidine	U		14.5	393	1	04/30/2025 22:36	WG2503715
2,4-Dinitrotoluene	U		11.3	393	1	04/30/2025 22:36	WG2503715
2,6-Dinitrotoluene	U		12.9	393	1	04/30/2025 22:36	WG2503715
Hexachlorobenzene	U		13.9	393	1	04/30/2025 22:36	WG2503715
Hexachloro-1,3-butadiene	U		13.2	393	1	04/30/2025 22:36	WG2503715
Hexachlorocyclopentadiene	U	C3 C7	20.7	393	1	04/30/2025 22:36	WG2503715
Hexachloroethane	U		15.5	393	1	04/30/2025 22:36	WG2503715
Isophorone	U		12.0	393	1	04/30/2025 22:36	WG2503715
Nitrobenzene	U		13.7	393	1	04/30/2025 22:36	WG2503715
n-Nitrosodimethylamine	U		58.3	393	1	04/30/2025 22:36	WG2503715
n-Nitrosodiphenylamine	U		29.8	393	1	04/30/2025 22:36	WG2503715
n-Nitrosodi-n-propylamine	U		13.1	393	1	04/30/2025 22:36	WG2503715
Phenanthrene	U		7.80	39.3	1	04/30/2025 22:36	WG2503715
Benzylbutyl phthalate	U		12.3	393	1	04/30/2025 22:36	WG2503715
Bis(2-ethylhexyl)phthalate	U		49.8	393	1	04/30/2025 22:36	WG2503715
Di-n-butyl phthalate	U		13.5	393	1	04/30/2025 22:36	WG2503715
Diethyl phthalate	U		13.0	393	1	04/30/2025 22:36	WG2503715
Dimethyl phthalate	U		83.3	393	1	04/30/2025 22:36	WG2503715
Di-n-octyl phthalate	U		26.6	393	1	04/30/2025 22:36	WG2503715
1,2,4-Trichlorobenzene	U		12.3	393	1	04/30/2025 22:36	WG2503715
4-Chloro-3-methylphenol	U		12.8	393	1	04/30/2025 22:36	WG2503715
2-Chlorophenol	U		13.0	393	1	04/30/2025 22:36	WG2503715
2,4-Dichlorophenol	U		11.5	393	1	04/30/2025 22:36	WG2503715
2,4-Dimethylphenol	U	C3	10.3	393	1	04/30/2025 22:36	WG2503715
4,6-Dinitro-2-methylphenol	U		89.1	393	1	04/30/2025 22:36	WG2503715
2,4-Dinitrophenol	U		92.0	393	1	04/30/2025 22:36	WG2503715
2-Nitrophenol	U		14.0	393	1	04/30/2025 22:36	WG2503715
4-Nitrophenol	U		12.3	393	1	04/30/2025 22:36	WG2503715
Pentachlorophenol	U	C3	10.6	393	1	04/30/2025 22:36	WG2503715
Phenol	U		15.8	393	1	04/30/2025 22:36	WG2503715
2,4,6-Trichlorophenol	U		12.6	393	1	04/30/2025 22:36	WG2503715
(S) 2-Fluorophenol	75.0			12.0-120		04/30/2025 22:36	WG2503715
(S) Phenol-d5	67.7			10.0-120		04/30/2025 22:36	WG2503715
(S) Nitrobenzene-d5	70.0			10.0-122		04/30/2025 22:36	WG2503715
(S) 2-Fluorobiphenyl	67.3			15.0-120		04/30/2025 22:36	WG2503715
(S) 2,4,6-Tribromophenol	74.1			10.0-127		04/30/2025 22:36	WG2503715
(S) p-Terphenyl-d14	68.8			10.0-120		04/30/2025 22:36	WG2503715

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Calculated Results

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Total Nitrogen	1720000		816	26900	1	05/01/2025 17:34	WG2503695

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	74.2		1	04/30/2025 15:14	WG2503523

Wet Chemistry by Method 350.1

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Ammonia Nitrogen	U		9680	13500	1	04/30/2025 20:20	WG2503850

Wet Chemistry by Method 4500NOrg D-2021

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Kjeldahl Nitrogen, TKN	1720000		205000	269000	10	05/01/2025 17:34	WG2503884

Wet Chemistry by Method 9056A

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
Nitrate-Nitrite	2710	B J	816	26900	1	04/30/2025 19:19	WG2503695

Wet Chemistry by Method WALKLEY-BLACK

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg	ug/kg		date / time	
TOC By Walkley Black	26100000		128000	500000	5	05/01/2025 14:02	WG2503926

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	2210000		8190	26900	1	04/30/2025 16:01	WG2503717
Antimony	U		931	2690	1	04/30/2025 16:01	WG2503717
Beryllium	451		64.2	269	1	04/30/2025 16:01	WG2503717
Calcium	4640000		25600	135000	1	04/30/2025 16:01	WG2503717
Cobalt	3180		238	1350	1	04/30/2025 16:01	WG2503717
Iron	2620000		3020	13500	1	04/30/2025 16:01	WG2503717
Magnesium	1350000		26800	135000	1	04/30/2025 16:01	WG2503717
Manganese	227000		233	1350	1	04/30/2025 16:01	WG2503717
Potassium	1750000		28100	135000	1	04/30/2025 16:01	WG2503717
Sodium	461000		55500	135000	1	04/30/2025 16:01	WG2503717
Thallium	U		698	2690	1	04/30/2025 16:01	WG2503717
Vanadium	8190		516	2690	1	04/30/2025 16:01	WG2503717

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	J4	61.8	84.7	1	04/30/2025 16:49	WG2503743
Acrylonitrile	U		6.12	21.2	1	04/30/2025 16:49	WG2503743
Bromobenzene	U		1.52	21.2	1	04/30/2025 16:49	WG2503743
Bromodichloromethane	U		1.23	4.24	1	04/30/2025 16:49	WG2503743
Bromoform	U		1.98	42.4	1	04/30/2025 16:49	WG2503743
Bromomethane	U	J3	3.34	21.2	1	04/30/2025 16:49	WG2503743



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
n-Butylbenzene	U		8.89	21.2	1	04/30/2025 16:49	WG2503743
sec-Butylbenzene	U		4.88	21.2	1	04/30/2025 16:49	WG2503743
tert-Butylbenzene	U		3.30	8.47	1	04/30/2025 16:49	WG2503743
Carbon tetrachloride	U		1.52	8.47	1	04/30/2025 16:49	WG2503743
Chlorobenzene	U		0.356	4.24	1	04/30/2025 16:49	WG2503743
Chlorodibromomethane	U		1.04	4.24	1	04/30/2025 16:49	WG2503743
Chloroethane	U		2.88	8.47	1	04/30/2025 16:49	WG2503743
Chloroform	U		1.74	4.24	1	04/30/2025 16:49	WG2503743
Chloromethane	U		7.37	21.2	1	04/30/2025 16:49	WG2503743
2-Chlorotoluene	U		1.47	4.24	1	04/30/2025 16:49	WG2503743
4-Chlorotoluene	U		0.762	8.47	1	04/30/2025 16:49	WG2503743
1,2-Dibromo-3-Chloropropane	U		6.61	42.4	1	04/30/2025 16:49	WG2503743
1,2-Dibromoethane	U		1.10	4.24	1	04/30/2025 16:49	WG2503743
Dibromomethane	U		1.27	8.47	1	04/30/2025 16:49	WG2503743
1,2-Dichlorobenzene	U		0.720	8.47	1	04/30/2025 16:49	WG2503743
1,3-Dichlorobenzene	U		1.02	8.47	1	04/30/2025 16:49	WG2503743
1,4-Dichlorobenzene	U		1.19	8.47	1	04/30/2025 16:49	WG2503743
Dichlorodifluoromethane	U		2.73	8.47	1	04/30/2025 16:49	WG2503743
1,1-Dichloroethane	U		0.832	4.24	1	04/30/2025 16:49	WG2503743
1,2-Dichloroethane	U		1.10	4.24	1	04/30/2025 16:49	WG2503743
1,1-Dichloroethene	U		1.03	4.24	1	04/30/2025 16:49	WG2503743
cis-1,2-Dichloroethene	U		1.24	4.24	1	04/30/2025 16:49	WG2503743
trans-1,2-Dichloroethene	U		1.76	8.47	1	04/30/2025 16:49	WG2503743
1,2-Dichloropropane	U		2.41	8.47	1	04/30/2025 16:49	WG2503743
1,1-Dichloropropene	U		1.37	4.24	1	04/30/2025 16:49	WG2503743
1,3-Dichloropropane	U		0.849	8.47	1	04/30/2025 16:49	WG2503743
cis-1,3-Dichloropropene	U		1.28	4.24	1	04/30/2025 16:49	WG2503743
trans-1,3-Dichloropropene	U		1.93	8.47	1	04/30/2025 16:49	WG2503743
2,2-Dichloropropane	U		2.34	4.24	1	04/30/2025 16:49	WG2503743
Di-isopropyl ether	U		0.695	1.69	1	04/30/2025 16:49	WG2503743
Hexachloro-1,3-butadiene	U		10.2	42.4	1	04/30/2025 16:49	WG2503743
Isopropylbenzene	U		0.720	4.24	1	04/30/2025 16:49	WG2503743
p-Isopropyltoluene	U		4.32	8.47	1	04/30/2025 16:49	WG2503743
2-Butanone (MEK)	U	J4	108	169	1	04/30/2025 16:49	WG2503743
Methylene Chloride	U		11.2	42.4	1	04/30/2025 16:49	WG2503743
4-Methyl-2-pentanone (MIBK)	U		3.86	42.4	1	04/30/2025 16:49	WG2503743
Methyl tert-butyl ether	U		0.593	1.69	1	04/30/2025 16:49	WG2503743
n-Propylbenzene	U		1.61	8.47	1	04/30/2025 16:49	WG2503743
Styrene	U		0.388	21.2	1	04/30/2025 16:49	WG2503743
1,1,1,2-Tetrachloroethane	U		1.61	4.24	1	04/30/2025 16:49	WG2503743
1,1,2,2-Tetrachloroethane	U		1.18	4.24	1	04/30/2025 16:49	WG2503743
1,1,2-Trichlorotrifluoroethane	U		1.28	4.24	1	04/30/2025 16:49	WG2503743
Tetrachloroethene	U		1.52	4.24	1	04/30/2025 16:49	WG2503743
1,2,3-Trichlorobenzene	U		12.4	21.2	1	04/30/2025 16:49	WG2503743
1,2,4-Trichlorobenzene	U		7.45	21.2	1	04/30/2025 16:49	WG2503743
1,1,1-Trichloroethane	U		1.56	4.24	1	04/30/2025 16:49	WG2503743
1,1,2-Trichloroethane	U		1.01	4.24	1	04/30/2025 16:49	WG2503743
Trichloroethene	U		0.989	1.69	1	04/30/2025 16:49	WG2503743
Trichlorofluoromethane	U		1.40	4.24	1	04/30/2025 16:49	WG2503743
1,2,3-Trichloropropane	U		2.74	21.2	1	04/30/2025 16:49	WG2503743
1,2,3-Trimethylbenzene	U		2.68	8.47	1	04/30/2025 16:49	WG2503743
Vinyl chloride	U		1.97	4.24	1	04/30/2025 16:49	WG2503743
(S) Toluene-d8	99.9			75.0-131		04/30/2025 16:49	WG2503743
(S) 4-Bromofluorobenzene	92.9			67.0-138		04/30/2025 16:49	WG2503743
(S) 1,2-Dichloroethane-d4	112			70.0-130		04/30/2025 16:49	WG2503743

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
Acenaphthylene	U		6.32	44.8	1	04/30/2025 23:18	WG2503715
Benzidine	U		84.3	2250	1	04/30/2025 23:18	WG2503715
Benzo(g,h,i)perylene	53.2		8.20	44.8	1	04/30/2025 23:18	WG2503715
Bis(2-chlorethoxy)methane	U		13.5	448	1	04/30/2025 23:18	WG2503715
Bis(2-chloroethyl)ether	U	C3	14.8	448	1	04/30/2025 23:18	WG2503715
2,2-Oxybis(1-Chloropropane)	U		19.4	448	1	04/30/2025 23:18	WG2503715
4-Bromophenyl-phenylether	U		15.8	448	1	04/30/2025 23:18	WG2503715
2-Chloronaphthalene	U		7.88	44.8	1	04/30/2025 23:18	WG2503715
4-Chlorophenyl-phenylether	U		15.6	448	1	04/30/2025 23:18	WG2503715
1,2-Dichlorobenzene	U		13.3	448	1	04/30/2025 23:18	WG2503715
1,3-Dichlorobenzene	U		13.6	448	1	04/30/2025 23:18	WG2503715
1,4-Dichlorobenzene	U		13.3	448	1	04/30/2025 23:18	WG2503715
3,3-Dichlorobenzidine	U		16.6	448	1	04/30/2025 23:18	WG2503715
2,4-Dinitrotoluene	U		12.9	448	1	04/30/2025 23:18	WG2503715
2,6-Dinitrotoluene	U		14.7	448	1	04/30/2025 23:18	WG2503715
Hexachlorobenzene	U		15.9	448	1	04/30/2025 23:18	WG2503715
Hexachloro-1,3-butadiene	U		15.1	448	1	04/30/2025 23:18	WG2503715
Hexachlorocyclopentadiene	U	C3 C7	23.6	448	1	04/30/2025 23:18	WG2503715
Hexachloroethane	U		17.6	448	1	04/30/2025 23:18	WG2503715
Isophorone	U		13.7	448	1	04/30/2025 23:18	WG2503715
Nitrobenzene	U		15.6	448	1	04/30/2025 23:18	WG2503715
n-Nitrosodimethylamine	U		66.5	448	1	04/30/2025 23:18	WG2503715
n-Nitrosodiphenylamine	U		33.9	448	1	04/30/2025 23:18	WG2503715
n-Nitrosodi-n-propylamine	U		14.9	448	1	04/30/2025 23:18	WG2503715
Phenanthrene	529		8.90	44.8	1	04/30/2025 23:18	WG2503715
Benzylbutyl phthalate	U		14.0	448	1	04/30/2025 23:18	WG2503715
Bis(2-ethylhexyl)phthalate	U		56.8	448	1	04/30/2025 23:18	WG2503715
Di-n-butyl phthalate	U		15.4	448	1	04/30/2025 23:18	WG2503715
Diethyl phthalate	U		14.8	448	1	04/30/2025 23:18	WG2503715
Dimethyl phthalate	U		95.1	448	1	04/30/2025 23:18	WG2503715
Di-n-octyl phthalate	U		30.3	448	1	04/30/2025 23:18	WG2503715
1,2,4-Trichlorobenzene	U		14.0	448	1	04/30/2025 23:18	WG2503715
4-Chloro-3-methylphenol	U		14.5	448	1	04/30/2025 23:18	WG2503715
2-Chlorophenol	U		14.8	448	1	04/30/2025 23:18	WG2503715
2,4-Dichlorophenol	U		13.1	448	1	04/30/2025 23:18	WG2503715
2,4-Dimethylphenol	U	C3	11.7	448	1	04/30/2025 23:18	WG2503715
4,6-Dinitro-2-methylphenol	U		102	448	1	04/30/2025 23:18	WG2503715
2,4-Dinitrophenol	U		105	448	1	04/30/2025 23:18	WG2503715
2-Nitrophenol	U		16.0	448	1	04/30/2025 23:18	WG2503715
4-Nitrophenol	U		14.0	448	1	04/30/2025 23:18	WG2503715
Pentachlorophenol	U	C3	12.1	448	1	04/30/2025 23:18	WG2503715
Phenol	U		18.0	448	1	04/30/2025 23:18	WG2503715
2,4,6-Trichlorophenol	U		14.4	448	1	04/30/2025 23:18	WG2503715
(S) 2-Fluorophenol	75.9			12.0-120		04/30/2025 23:18	WG2503715
(S) Phenol-d5	68.6			10.0-120		04/30/2025 23:18	WG2503715
(S) Nitrobenzene-d5	70.4			10.0-122		04/30/2025 23:18	WG2503715
(S) 2-Fluorobiphenyl	68.6			15.0-120		04/30/2025 23:18	WG2503715
(S) 2,4,6-Tribromophenol	71.7			10.0-127		04/30/2025 23:18	WG2503715
(S) p-Terphenyl-d14	66.4			10.0-120		04/30/2025 23:18	WG2503715

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

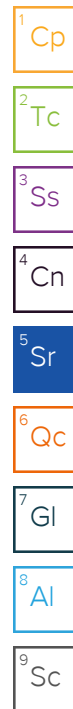
7Gl

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	C3 J3	11.3	50.0	1	04/30/2025 14:29	WG2503659
Acrolein	U		2.54	50.0	1	04/30/2025 14:29	WG2503659
Acrylonitrile	U		0.671	10.0	1	04/30/2025 14:29	WG2503659
Benzene	U		0.0941	1.00	1	04/30/2025 14:29	WG2503659
Bromobenzene	U		0.118	1.00	1	04/30/2025 14:29	WG2503659
Bromodichloromethane	U		0.136	1.00	1	04/30/2025 14:29	WG2503659
Bromoform	U		0.129	1.00	1	04/30/2025 14:29	WG2503659
Bromomethane	U		0.605	5.00	1	04/30/2025 14:29	WG2503659
n-Butylbenzene	U		0.157	1.00	1	04/30/2025 14:29	WG2503659
sec-Butylbenzene	U		0.125	1.00	1	04/30/2025 14:29	WG2503659
tert-Butylbenzene	U		0.127	1.00	1	04/30/2025 14:29	WG2503659
Carbon tetrachloride	U		0.128	1.00	1	04/30/2025 14:29	WG2503659
Chlorobenzene	U		0.116	1.00	1	04/30/2025 14:29	WG2503659
Chlorodibromomethane	U		0.140	1.00	1	04/30/2025 14:29	WG2503659
Chloroethane	U		0.192	5.00	1	04/30/2025 14:29	WG2503659
Chloroform	U		0.111	5.00	1	04/30/2025 14:29	WG2503659
Chloromethane	U		0.960	2.50	1	04/30/2025 14:29	WG2503659
2-Chlorotoluene	U		0.106	1.00	1	04/30/2025 14:29	WG2503659
4-Chlorotoluene	U		0.114	1.00	1	04/30/2025 14:29	WG2503659
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	04/30/2025 14:29	WG2503659
1,2-Dibromoethane	U		0.126	1.00	1	04/30/2025 14:29	WG2503659
Dibromomethane	U		0.122	1.00	1	04/30/2025 14:29	WG2503659
1,2-Dichlorobenzene	U		0.107	1.00	1	04/30/2025 14:29	WG2503659
1,3-Dichlorobenzene	U		0.110	1.00	1	04/30/2025 14:29	WG2503659
1,4-Dichlorobenzene	U		0.120	1.00	1	04/30/2025 14:29	WG2503659
Dichlorodifluoromethane	U		0.374	5.00	1	04/30/2025 14:29	WG2503659
1,1-Dichloroethane	U		0.100	1.00	1	04/30/2025 14:29	WG2503659
1,2-Dichloroethane	U		0.0819	1.00	1	04/30/2025 14:29	WG2503659
1,1-Dichloroethene	U		0.188	1.00	1	04/30/2025 14:29	WG2503659
cis-1,2-Dichloroethene	U		0.126	1.00	1	04/30/2025 14:29	WG2503659
trans-1,2-Dichloroethene	U		0.149	1.00	1	04/30/2025 14:29	WG2503659
1,2-Dichloropropane	U		0.149	1.00	1	04/30/2025 14:29	WG2503659
1,1-Dichloropropene	U		0.142	1.00	1	04/30/2025 14:29	WG2503659
1,3-Dichloropropane	U		0.110	1.00	1	04/30/2025 14:29	WG2503659
cis-1,3-Dichloropropene	U		0.111	1.00	1	04/30/2025 14:29	WG2503659
trans-1,3-Dichloropropene	U		0.118	1.00	1	04/30/2025 14:29	WG2503659
2,2-Dichloropropane	U		0.161	1.00	1	04/30/2025 14:29	WG2503659
Di-isopropyl ether	U		0.105	1.00	1	04/30/2025 14:29	WG2503659
Ethylbenzene	U		0.137	1.00	1	04/30/2025 14:29	WG2503659
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/30/2025 14:29	WG2503659
Isopropylbenzene	U		0.105	1.00	1	04/30/2025 14:29	WG2503659
p-Isopropyltoluene	U		0.120	1.00	1	04/30/2025 14:29	WG2503659
2-Butanone (MEK)	U	J3	1.19	10.0	1	04/30/2025 14:29	WG2503659
Methylene Chloride	U		0.430	5.00	1	04/30/2025 14:29	WG2503659
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	04/30/2025 14:29	WG2503659
Methyl tert-butyl ether	U		0.101	1.00	1	04/30/2025 14:29	WG2503659
Naphthalene	U	C3	1.00	5.00	1	04/30/2025 14:29	WG2503659
n-Propylbenzene	U		0.0993	1.00	1	04/30/2025 14:29	WG2503659
Styrene	U	C3	0.118	1.00	1	04/30/2025 14:29	WG2503659
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	04/30/2025 14:29	WG2503659
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	04/30/2025 14:29	WG2503659
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	04/30/2025 14:29	WG2503659
Tetrachloroethene	U		0.300	1.00	1	04/30/2025 14:29	WG2503659
Toluene	U		0.278	1.00	1	04/30/2025 14:29	WG2503659
1,2,3-Trichlorobenzene	U		0.230	1.00	1	04/30/2025 14:29	WG2503659
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/30/2025 14:29	WG2503659



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	04/30/2025 14:29	WG2503659
1,1,2-Trichloroethane	U		0.158	1.00	1	04/30/2025 14:29	WG2503659
Trichloroethene	U		0.190	1.00	1	04/30/2025 14:29	WG2503659
Trichlorofluoromethane	U		0.160	5.00	1	04/30/2025 14:29	WG2503659
1,2,3-Trichloropropane	U		0.237	2.50	1	04/30/2025 14:29	WG2503659
1,2,4-Trimethylbenzene	U		0.322	1.00	1	04/30/2025 14:29	WG2503659
1,2,3-Trimethylbenzene	U		0.104	1.00	1	04/30/2025 14:29	WG2503659
1,3,5-Trimethylbenzene	U		0.104	1.00	1	04/30/2025 14:29	WG2503659
Vinyl chloride	U		0.234	1.00	1	04/30/2025 14:29	WG2503659
Xylenes, Total	U		0.174	3.00	1	04/30/2025 14:29	WG2503659
(S) Toluene-d8	103			80.0-120		04/30/2025 14:29	WG2503659
(S) 4-Bromofluorobenzene	101			77.0-126		04/30/2025 14:29	WG2503659
(S) 1,2-Dichloroethane-d4	108			70.0-130		04/30/2025 14:29	WG2503659

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

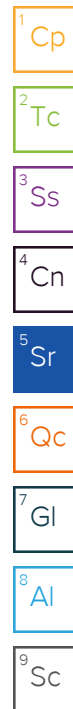
7Gl

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	C3 J3	11.3	50.0	1	04/30/2025 14:49	WG2503659
Acrolein	U		2.54	50.0	1	04/30/2025 14:49	WG2503659
Acrylonitrile	U		0.671	10.0	1	04/30/2025 14:49	WG2503659
Benzene	U		0.0941	1.00	1	04/30/2025 14:49	WG2503659
Bromobenzene	U		0.118	1.00	1	04/30/2025 14:49	WG2503659
Bromodichloromethane	U		0.136	1.00	1	04/30/2025 14:49	WG2503659
Bromoform	U		0.129	1.00	1	04/30/2025 14:49	WG2503659
Bromomethane	U		0.605	5.00	1	04/30/2025 14:49	WG2503659
n-Butylbenzene	U		0.157	1.00	1	04/30/2025 14:49	WG2503659
sec-Butylbenzene	U		0.125	1.00	1	04/30/2025 14:49	WG2503659
tert-Butylbenzene	U		0.127	1.00	1	04/30/2025 14:49	WG2503659
Carbon tetrachloride	U		0.128	1.00	1	04/30/2025 14:49	WG2503659
Chlorobenzene	U		0.116	1.00	1	04/30/2025 14:49	WG2503659
Chlorodibromomethane	U		0.140	1.00	1	04/30/2025 14:49	WG2503659
Chloroethane	U		0.192	5.00	1	04/30/2025 14:49	WG2503659
Chloroform	U		0.111	5.00	1	04/30/2025 14:49	WG2503659
Chloromethane	U		0.960	2.50	1	04/30/2025 14:49	WG2503659
2-Chlorotoluene	U		0.106	1.00	1	04/30/2025 14:49	WG2503659
4-Chlorotoluene	U		0.114	1.00	1	04/30/2025 14:49	WG2503659
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	04/30/2025 14:49	WG2503659
1,2-Dibromoethane	U		0.126	1.00	1	04/30/2025 14:49	WG2503659
Dibromomethane	U		0.122	1.00	1	04/30/2025 14:49	WG2503659
1,2-Dichlorobenzene	U		0.107	1.00	1	04/30/2025 14:49	WG2503659
1,3-Dichlorobenzene	U		0.110	1.00	1	04/30/2025 14:49	WG2503659
1,4-Dichlorobenzene	U		0.120	1.00	1	04/30/2025 14:49	WG2503659
Dichlorodifluoromethane	U		0.374	5.00	1	04/30/2025 14:49	WG2503659
1,1-Dichloroethane	U		0.100	1.00	1	04/30/2025 14:49	WG2503659
1,2-Dichloroethane	U		0.0819	1.00	1	04/30/2025 14:49	WG2503659
1,1-Dichloroethene	U		0.188	1.00	1	04/30/2025 14:49	WG2503659
cis-1,2-Dichloroethene	U		0.126	1.00	1	04/30/2025 14:49	WG2503659
trans-1,2-Dichloroethene	U		0.149	1.00	1	04/30/2025 14:49	WG2503659
1,2-Dichloropropane	U		0.149	1.00	1	04/30/2025 14:49	WG2503659
1,1-Dichloropropene	U		0.142	1.00	1	04/30/2025 14:49	WG2503659
1,3-Dichloropropane	U		0.110	1.00	1	04/30/2025 14:49	WG2503659
cis-1,3-Dichloropropene	U		0.111	1.00	1	04/30/2025 14:49	WG2503659
trans-1,3-Dichloropropene	U		0.118	1.00	1	04/30/2025 14:49	WG2503659
2,2-Dichloropropane	U		0.161	1.00	1	04/30/2025 14:49	WG2503659
Di-isopropyl ether	U		0.105	1.00	1	04/30/2025 14:49	WG2503659
Ethylbenzene	U		0.137	1.00	1	04/30/2025 14:49	WG2503659
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/30/2025 14:49	WG2503659
Isopropylbenzene	U		0.105	1.00	1	04/30/2025 14:49	WG2503659
p-Isopropyltoluene	U		0.120	1.00	1	04/30/2025 14:49	WG2503659
2-Butanone (MEK)	U	J3	1.19	10.0	1	04/30/2025 14:49	WG2503659
Methylene Chloride	U		0.430	5.00	1	04/30/2025 14:49	WG2503659
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	04/30/2025 14:49	WG2503659
Methyl tert-butyl ether	U		0.101	1.00	1	04/30/2025 14:49	WG2503659
Naphthalene	U	C3	1.00	5.00	1	04/30/2025 14:49	WG2503659
n-Propylbenzene	U		0.0993	1.00	1	04/30/2025 14:49	WG2503659
Styrene	U	C3	0.118	1.00	1	04/30/2025 14:49	WG2503659
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	04/30/2025 14:49	WG2503659
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	04/30/2025 14:49	WG2503659
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	04/30/2025 14:49	WG2503659
Tetrachloroethene	U		0.300	1.00	1	04/30/2025 14:49	WG2503659
Toluene	U		0.278	1.00	1	04/30/2025 14:49	WG2503659
1,2,3-Trichlorobenzene	U		0.230	1.00	1	04/30/2025 14:49	WG2503659
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/30/2025 14:49	WG2503659



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	04/30/2025 14:49	WG2503659
1,1,2-Trichloroethane	U		0.158	1.00	1	04/30/2025 14:49	WG2503659
Trichloroethene	U		0.190	1.00	1	04/30/2025 14:49	WG2503659
Trichlorofluoromethane	U		0.160	5.00	1	04/30/2025 14:49	WG2503659
1,2,3-Trichloropropane	U		0.237	2.50	1	04/30/2025 14:49	WG2503659
1,2,4-Trimethylbenzene	U		0.322	1.00	1	04/30/2025 14:49	WG2503659
1,2,3-Trimethylbenzene	U		0.104	1.00	1	04/30/2025 14:49	WG2503659
1,3,5-Trimethylbenzene	U		0.104	1.00	1	04/30/2025 14:49	WG2503659
Vinyl chloride	U		0.234	1.00	1	04/30/2025 14:49	WG2503659
Xylenes, Total	U		0.174	3.00	1	04/30/2025 14:49	WG2503659
(S) Toluene-d8	103			80.0-120		04/30/2025 14:49	WG2503659
(S) 4-Bromofluorobenzene	102			77.0-126		04/30/2025 14:49	WG2503659
(S) 1,2-Dichloroethane-d4	110			70.0-130		04/30/2025 14:49	WG2503659

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4208067-1 04/30/25 15:14

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Total Solids	0.000			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1853231-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1853231-05 04/30/25 15:14 • (DUP) R4208067-3 04/30/25 15:14

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Total Solids	90.5	87.8	1	3.09		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4208067-2 04/30/25 15:14

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

⁹Sc

Method Blank (MB)

(MB) R4207959-1 04/30/25 19:38

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/kg		ug/kg	ug/kg
Ammonia Nitrogen	U		7190	10000

L1853208-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1853208-01 04/30/25 19:41 • (DUP) R4207959-3 04/30/25 19:42

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

L1853208-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1853208-02 04/30/25 19:44 • (DUP) R4207959-4 04/30/25 19:45

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

Laboratory Control Sample (LCS)

(LCS) R4207959-2 04/30/25 19:39

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/kg	ug/kg	%	%	
Ammonia Nitrogen	250000	267000	107	90.0-110	

L1853216-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853216-03 04/30/25 19:51 • (MS) R4207959-5 04/30/25 19:57 • (MSD) R4207959-6 04/30/25 19:59

	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	%	%		%			%	%
Ammonia Nitrogen	294000	U	301000	292000	102	99.2	1	90.0-110			3.06	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1853226-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853226-03 04/30/25 20:24 • (MS) R4207959-7 04/30/25 20:26 • (MSD) R4207959-8 04/30/25 20:27

	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	%	%		%			%	%
Ammonia Nitrogen	272000	U	270000	280000	99.4	103	1	90.0-110			3.44	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4208489-1 05/01/25 17:05

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1853208-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1853208-01 05/01/25 17:07 • (DUP) R4208489-5 05/01/25 17:08

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/kg	ug/kg		%		%
Kjeldahl Nitrogen, TKN	1260000	1170000	10	7.63		20

L1853208-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1853208-02 05/01/25 17:09 • (DUP) R4208489-7 05/01/25 17:10

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/kg	ug/kg		%		%
Kjeldahl Nitrogen, TKN	1390000	1560000	10	11.8		20

Laboratory Control Sample (LCS)

(LCS) R4208489-3 05/01/25 17:05

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/kg	ug/kg	%	%	
Kjeldahl Nitrogen, TKN	480000	483000	101	81.7-124	

L1853208-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1853208-03 05/01/25 17:11 • (MS) R4208489-9 05/01/25 17:12

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/kg	ug/kg	ug/kg	%		%	
Kjeldahl Nitrogen, TKN	441000	1400000	1570000	39.4	10	81.7-124	J6

L1853216-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853216-03 05/01/25 17:15 • (MS) R4208489-11 05/01/25 17:16 • (MSD) R4208489-13 05/01/25 17:19

	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	%	%		%			%	%
Kjeldahl Nitrogen, TKN	470000	2240000	2630000	2610000	81.4	78.3	10	81.7-124	<u>V</u>	<u>V</u>	0.566	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4207888-2 04/30/25 16:45

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/kg		ug/kg	ug/kg
Nitrate-Nitrite	709	⬇	606	20000

Laboratory Control Sample (LCS)

(LCS) R4207888-1 04/30/25 16:32

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/kg	ug/kg	%	%	
Nitrate-Nitrite	40000	39000	97.6	80.0-120	

L1853216-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853216-03 04/30/25 18:02 • (MS) R4207888-3 04/30/25 18:15 • (MSD) R4207888-4 04/30/25 18:27

	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	%	%		%			%	%
Nitrate-Nitrite	47000	88300	137000	130000	103	88.1	1	80.0-120			5.39	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4208288-1 05/01/25 13:40

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

L1853216-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1853216-02 05/01/25 13:41 • (DUP) R4208288-3 05/01/25 13:42

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/kg	ug/kg		%		%
TOC By Walkley Black	17100000	18200000	5	6.07		20

L1853219-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1853219-02 05/01/25 13:48 • (DUP) R4208288-4 05/01/25 13:48

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/kg	ug/kg		%		%
TOC By Walkley Black	3600000	4290000	5	17.3		20

Laboratory Control Sample (LCS)

(LCS) R4208288-2 05/01/25 13:40

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/kg	ug/kg	%	%	
TOC By Walkley Black	3230000	4250000	131	75.0-144	

L1853226-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853226-03 05/01/25 14:04 • (MS) R4208288-5 05/01/25 14:04 • (MSD) R4208288-6 05/01/25 14:05

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/kg	ug/kg	ug/kg	ug/kg	%	%		%			%	%
TOC By Walkley Black	20000000	19700000	38900000	40300000	95.7	103	5	80.0-120			3.67	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4207786-1 04/30/25 15:30

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Aluminum	U		6080	20000
Antimony	U		691	2000
Beryllium	U		47.7	200
Calcium	U		19000	100000
Cobalt	U		177	1000
Iron	U		2240	10000
Magnesium	U		19900	100000
Manganese	U		173	1000
Potassium	U		20900	100000
Sodium	U		41200	100000
Thallium	U		518	2000
Vanadium	U		383	2000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4207786-2 04/30/25 15:32

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000000	950000	95.0	80.0-120	
Antimony	100000	96600	96.6	80.0-120	
Beryllium	100000	106000	106	80.0-120	
Calcium	1000000	1030000	103	80.0-120	
Cobalt	100000	99100	99.1	80.0-120	
Iron	1000000	1030000	103	80.0-120	
Magnesium	1000000	967000	96.7	80.0-120	
Manganese	100000	107000	107	80.0-120	
Potassium	1000000	1000000	100	80.0-120	
Sodium	1000000	1120000	112	80.0-120	
Thallium	100000	106000	106	80.0-120	
Vanadium	100000	101000	101	80.0-120	

L1853216-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853216-03 04/30/25 15:34 • (MS) R4207786-5 04/30/25 15:39 • (MSD) R4207786-6 04/30/25 15:41

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	1180000	2430000	4570000	3810000	182	117	1	75.0-125	J5		18.2	20
Antimony	118000	U	93800	94100	79.7	80.0	1	75.0-125			0.337	20

L1853216-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853216-03 04/30/25 15:34 • (MS) R4207786-5 04/30/25 15:39 • (MSD) R4207786-6 04/30/25 15:41

	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	%	%		%			%	%
Beryllium	118000	469	118000	116000	99.5	98.5	1	75.0-125			1.09	20
Calcium	1180000	5640000	6090000	5930000	38.4	24.5	1	75.0-125	V	V	2.71	20
Cobalt	118000	3210	116000	115000	95.9	95.0	1	75.0-125			0.913	20
Iron	1180000	3390000	6350000	4660000	252	108	1	75.0-125	J5	J3	30.7	20
Magnesium	1180000	1670000	3080000	2770000	120	94.0	1	75.0-125			10.4	20
Manganese	118000	218000	327000	308000	92.6	76.3	1	75.0-125			6.01	20
Potassium	1180000	3010000	3880000	3760000	74.4	64.2	1	75.0-125	J6	J6	3.14	20
Sodium	1180000	600000	1700000	1700000	93.2	93.8	1	75.0-125			0.394	20
Thallium	118000	U	116000	116000	98.9	98.5	1	75.0-125			0.380	20
Vanadium	118000	9780	122000	119000	95.3	93.0	1	75.0-125			2.29	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4207900-3 04/30/25 11:10

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) R4207900-3 04/30/25 11:10

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	101			80.0-120
(S) 4-Bromofluorobenzene	98.3			77.0-126
(S) 1,2-Dichloroethane-d4	109			70.0-130

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4207900-1 04/30/25 10:09 • (LCSD) R4207900-2 04/30/25 10:29

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	19.3	27.3	77.2	109	19.0-160	J	J J3	34.3	27
Acrolein	25.0	27.0	27.3	108	109	10.0-160	J	J	1.10	26
Acrylonitrile	25.0	24.8	27.5	99.2	110	55.0-149			10.3	20
Benzene	5.00	4.39	4.33	87.8	86.6	70.0-123			1.38	20

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

(LCS) R4207900-1 04/30/25 10:09 • (LCSD) R4207900-2 04/30/25 10:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromobenzene	5.00	4.34	4.29	86.8	85.8	73.0-121			1.16	20
Bromodichloromethane	5.00	4.42	4.39	88.4	87.8	75.0-120			0.681	20
Bromoform	5.00	4.41	4.51	88.2	90.2	68.0-132			2.24	20
Bromomethane	5.00	6.72	6.29	134	126	10.0-160			6.61	25
n-Butylbenzene	5.00	4.17	4.04	83.4	80.8	73.0-125			3.17	20
sec-Butylbenzene	5.00	4.20	4.12	84.0	82.4	75.0-125			1.92	20
tert-Butylbenzene	5.00	4.37	4.11	87.4	82.2	76.0-124			6.13	20
Carbon tetrachloride	5.00	4.38	4.50	87.6	90.0	68.0-126			2.70	20
Chlorobenzene	5.00	4.27	4.25	85.4	85.0	80.0-121			0.469	20
Chlorodibromomethane	5.00	4.31	4.42	86.2	88.4	77.0-125			2.52	20
Chloroethane	5.00	4.95	5.06	99.0	101	47.0-150	U		2.20	20
Chloroform	5.00	4.43	4.59	88.6	91.8	73.0-120	U	U	3.55	20
Chloromethane	5.00	4.36	4.45	87.2	89.0	41.0-142			2.04	20
2-Chlorotoluene	5.00	4.27	4.08	85.4	81.6	76.0-123			4.55	20
4-Chlorotoluene	5.00	4.32	4.14	86.4	82.8	75.0-122			4.26	20
1,2-Dibromo-3-Chloropropane	5.00	4.38	4.58	87.6	91.6	58.0-134	U	U	4.46	20
1,2-Dibromoethane	5.00	4.41	4.31	88.2	86.2	80.0-122			2.29	20
Dibromomethane	5.00	4.30	4.48	86.0	89.6	80.0-120			4.10	20
1,2-Dichlorobenzene	5.00	4.27	4.29	85.4	85.8	79.0-121			0.467	20
1,3-Dichlorobenzene	5.00	4.35	4.21	87.0	84.2	79.0-120			3.27	20
1,4-Dichlorobenzene	5.00	4.31	4.22	86.2	84.4	79.0-120			2.11	20
Dichlorodifluoromethane	5.00	4.69	5.00	93.8	100	51.0-149	U	U	6.40	20
1,1-Dichloroethane	5.00	4.51	4.57	90.2	91.4	70.0-126			1.32	20
1,2-Dichloroethane	5.00	4.26	4.55	85.2	91.0	70.0-128			6.58	20
1,1-Dichloroethene	5.00	4.14	4.24	82.8	84.8	71.0-124			2.39	20
cis-1,2-Dichloroethene	5.00	4.38	4.39	87.6	87.8	73.0-120			0.228	20
trans-1,2-Dichloroethene	5.00	4.24	4.31	84.8	86.2	73.0-120			1.64	20
1,2-Dichloropropane	5.00	4.50	4.51	90.0	90.2	77.0-125			0.222	20
1,1-Dichloropropene	5.00	4.28	4.37	85.6	87.4	74.0-126			2.08	20
1,3-Dichloropropane	5.00	4.26	4.38	85.2	87.6	80.0-120			2.78	20
cis-1,3-Dichloropropene	5.00	4.18	4.31	83.6	86.2	80.0-123			3.06	20
trans-1,3-Dichloropropene	5.00	4.20	4.31	84.0	86.2	78.0-124			2.59	20
2,2-Dichloropropane	5.00	4.46	4.50	89.2	90.0	58.0-130			0.893	20
Di-isopropyl ether	5.00	4.37	4.50	87.4	90.0	58.0-138			2.93	20
Ethylbenzene	5.00	4.11	4.10	82.2	82.0	79.0-123			0.244	20
Hexachloro-1,3-butadiene	5.00	4.45	4.19	89.0	83.8	54.0-138			6.02	20
Isopropylbenzene	5.00	4.04	4.06	80.8	81.2	76.0-127			0.494	20
p-Isopropyltoluene	5.00	4.16	3.99	83.2	79.8	76.0-125			4.17	20
2-Butanone (MEK)	25.0	21.2	26.3	84.8	105	44.0-160		U3	21.5	20
Methylene Chloride	5.00	4.26	4.21	85.2	84.2	67.0-120	U	U	1.18	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4207900-1 04/30/25 10:09 • (LCSD) R4207900-2 04/30/25 10:29

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	22.9	24.7	91.6	98.8	68.0-142			7.56	20
Methyl tert-butyl ether	5.00	4.32	4.51	86.4	90.2	68.0-125			4.30	20
Naphthalene	5.00	3.75	3.95	75.0	79.0	54.0-135	J	J	5.19	20
n-Propylbenzene	5.00	4.34	4.05	86.8	81.0	77.0-124			6.91	20
Styrene	5.00	3.95	4.08	79.0	81.6	73.0-130			3.24	20
1,1,1,2-Tetrachloroethane	5.00	4.27	4.48	85.4	89.6	75.0-125			4.80	20
1,1,2,2-Tetrachloroethane	5.00	4.90	4.81	98.0	96.2	65.0-130			1.85	20
1,1,2-Trichlorotrifluoroethane	5.00	4.23	4.30	84.6	86.0	69.0-132			1.64	20
Tetrachloroethene	5.00	4.18	4.18	83.6	83.6	72.0-132			0.000	20
Toluene	5.00	4.22	4.20	84.4	84.0	79.0-120			0.475	20
1,2,3-Trichlorobenzene	5.00	4.04	4.19	80.8	83.8	50.0-138			3.65	20
1,2,4-Trichlorobenzene	5.00	4.18	4.12	83.6	82.4	57.0-137			1.45	20
1,1,1-Trichloroethane	5.00	4.42	4.50	88.4	90.0	73.0-124			1.79	20
1,1,2-Trichloroethane	5.00	4.30	4.39	86.0	87.8	80.0-120			2.07	20
Trichloroethene	5.00	4.35	4.26	87.0	85.2	78.0-124			2.09	20
Trichlorofluoromethane	5.00	4.88	5.08	97.6	102	59.0-147	J		4.02	20
1,2,3-Trichloropropane	5.00	4.83	4.69	96.6	93.8	73.0-130			2.94	20
1,2,4-Trimethylbenzene	5.00	4.17	3.99	83.4	79.8	76.0-121			4.41	20
1,2,3-Trimethylbenzene	5.00	4.15	3.99	83.0	79.8	77.0-120			3.93	20
1,3,5-Trimethylbenzene	5.00	4.24	4.08	84.8	81.6	76.0-122			3.85	20
Vinyl chloride	5.00	5.02	5.06	100	101	67.0-131			0.794	20
Xylenes, Total	15.0	11.9	12.1	79.3	80.7	79.0-123			1.67	20
(S) Toluene-d8				101	101	80.0-120				
(S) 4-Bromofluorobenzene				96.9	98.6	77.0-126				
(S) 1,2-Dichloroethane-d4				106	108	70.0-130				

L1853223-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853223-03 04/30/25 18:11 • (MS) R4207900-4 04/30/25 19:11 • (MSD) R4207900-5 04/30/25 19:31

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	U	23.1	22.0	92.4	88.0	1	10.0-160			4.88	35
Acrolein	25.0	U	48.2	45.9	193	184	1	10.0-160	J J5	J J5	4.89	39
Acrylonitrile	25.0	U	28.8	28.6	115	114	1	21.0-160			0.697	32
Benzene	5.00	U	5.19	5.19	104	104	1	17.0-158			0.000	27
Bromobenzene	5.00	U	4.87	4.95	97.4	99.0	1	30.0-149			1.63	28
Bromodichloromethane	5.00	U	5.23	5.30	105	106	1	31.0-150			1.33	27
Bromoform	5.00	U	4.92	5.08	98.4	102	1	29.0-150			3.20	29
Bromomethane	5.00	U	8.60	9.11	172	182	1	10.0-160	J5	J5	5.76	38

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1853223-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853223-03 04/30/25 18:11 • (MS) R4207900-4 04/30/25 19:11 • (MSD) R4207900-5 04/30/25 19:31

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	5.00	U	4.74	4.89	94.8	97.8	1	31.0-150			3.12	30
sec-Butylbenzene	5.00	U	5.08	5.08	102	102	1	33.0-155			0.000	29
tert-Butylbenzene	5.00	U	4.94	5.08	98.8	102	1	34.0-153			2.79	28
Carbon tetrachloride	5.00	U	5.36	5.39	107	108	1	23.0-159			0.558	28
Chlorobenzene	5.00	U	4.89	4.87	97.8	97.4	1	33.0-152			0.410	27
Chlorodibromomethane	5.00	U	4.88	5.12	97.6	102	1	37.0-149			4.80	27
Chloroethane	5.00	U	5.82	5.87	116	117	1	10.0-160			0.855	30
Chloroform	5.00	U	5.17	5.15	103	103	1	29.0-154			0.388	28
Chloromethane	5.00	U	5.72	5.63	114	113	1	10.0-160			1.59	29
2-Chlorotoluene	5.00	U	4.85	4.87	97.0	97.4	1	32.0-153			0.412	28
4-Chlorotoluene	5.00	U	4.96	4.98	99.2	99.6	1	32.0-150			0.402	28
1,2-Dibromo-3-Chloropropane	5.00	U	5.84	5.68	117	114	1	22.0-151			2.78	34
1,2-Dibromoethane	5.00	U	4.91	5.31	98.2	106	1	34.0-147			7.83	27
Dibromomethane	5.00	U	5.08	5.12	102	102	1	30.0-151			0.784	27
1,2-Dichlorobenzene	5.00	U	5.07	4.99	101	99.8	1	34.0-149			1.59	28
1,3-Dichlorobenzene	5.00	U	5.04	5.07	101	101	1	36.0-146			0.593	27
1,4-Dichlorobenzene	5.00	U	4.97	4.90	99.4	98.0	1	35.0-142			1.42	27
Dichlorodifluoromethane	5.00	U	6.21	6.12	124	122	1	10.0-160			1.46	29
1,1-Dichloroethane	5.00	U	5.31	5.31	106	106	1	25.0-158			0.000	27
1,2-Dichloroethane	5.00	U	5.26	5.16	105	103	1	29.0-151			1.92	27
1,1-Dichloroethene	5.00	U	5.17	5.20	103	104	1	11.0-160			0.579	29
cis-1,2-Dichloroethene	5.00	U	5.21	5.06	104	101	1	10.0-160			2.92	27
trans-1,2-Dichloroethene	5.00	U	5.14	5.22	103	104	1	17.0-153			1.54	27
1,2-Dichloropropane	5.00	U	5.19	5.39	104	108	1	30.0-156			3.78	27
1,1-Dichloropropene	5.00	U	5.18	5.37	104	107	1	25.0-158			3.60	27
1,3-Dichloropropane	5.00	U	5.00	5.08	100	102	1	38.0-147			1.59	27
cis-1,3-Dichloropropene	5.00	U	4.72	4.83	94.4	96.6	1	34.0-149			2.30	28
trans-1,3-Dichloropropene	5.00	U	4.72	5.06	94.4	101	1	32.0-149			6.95	28
2,2-Dichloropropane	5.00	U	4.85	4.90	97.0	98.0	1	24.0-152			1.03	29
Di-isopropyl ether	5.00	U	5.12	5.15	102	103	1	21.0-160			0.584	28
Ethylbenzene	5.00	U	4.64	4.77	92.8	95.4	1	30.0-155			2.76	27
Hexachloro-1,3-butadiene	5.00	U	4.74	4.89	94.8	97.8	1	20.0-154			3.12	34
Isopropylbenzene	5.00	U	4.72	4.92	94.4	98.4	1	28.0-157			4.15	27
p-Isopropyltoluene	5.00	U	4.85	4.88	97.0	97.6	1	30.0-154			0.617	29
2-Butanone (MEK)	25.0	U	26.6	25.5	106	102	1	10.0-160			4.22	32
Methylene Chloride	5.00	U	4.93	4.86	98.6	97.2	1	23.0-144			1.43	28
4-Methyl-2-pentanone (MIBK)	25.0	U	28.1	29.8	112	119	1	29.0-160			5.87	29
Methyl tert-butyl ether	5.00	U	5.15	5.15	103	103	1	28.0-150			0.000	29
Naphthalene	5.00	U	4.71	4.82	94.2	96.4	1	12.0-156	U	U	2.31	35
n-Propylbenzene	5.00	U	4.94	5.09	98.8	102	1	31.0-154			2.99	28

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1853223-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853223-03 04/30/25 18:11 • (MS) R4207900-4 04/30/25 19:11 • (MSD) R4207900-5 04/30/25 19:31

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Styrene	5.00	U	4.55	4.74	91.0	94.8	1	33.0-155			4.09	28
1,1,1,2-Tetrachloroethane	5.00	U	4.86	5.10	97.2	102	1	36.0-151			4.82	29
1,1,2,2-Tetrachloroethane	5.00	U	5.65	5.51	113	110	1	33.0-150			2.51	28
1,1,2-Trichlorotrifluoroethane	5.00	U	5.46	5.13	109	103	1	23.0-160			6.23	30
Tetrachloroethene	5.00	U	4.90	5.10	98.0	102	1	10.0-160			4.00	27
Toluene	5.00	U	4.93	5.06	98.6	101	1	26.0-154			2.60	28
1,2,3-Trichlorobenzene	5.00	U	4.90	5.00	98.0	100	1	17.0-150			2.02	36
1,2,4-Trichlorobenzene	5.00	U	4.73	4.87	94.6	97.4	1	24.0-150			2.92	33
1,1,1-Trichloroethane	5.00	U	5.48	5.42	110	108	1	23.0-160			1.10	28
1,1,2-Trichloroethane	5.00	U	5.06	5.19	101	104	1	35.0-147			2.54	27
Trichloroethene	5.00	U	5.02	5.08	100	102	1	10.0-160			1.19	25
Trichlorofluoromethane	5.00	U	6.10	6.18	122	124	1	17.0-160			1.30	31
1,2,3-Trichloropropane	5.00	U	5.62	5.60	112	112	1	34.0-151			0.357	29
1,2,4-Trimethylbenzene	5.00	U	4.85	4.86	97.0	97.2	1	26.0-154			0.206	27
1,2,3-Trimethylbenzene	5.00	U	4.82	4.78	96.4	95.6	1	32.0-149			0.833	28
1,3,5-Trimethylbenzene	5.00	U	4.82	4.89	96.4	97.8	1	28.0-153			1.44	27
Vinyl chloride	5.00	U	6.01	6.35	120	127	1	10.0-160			5.50	27
Xylenes, Total	15.0	U	14.1	14.7	94.0	98.0	1	29.0-154			4.17	28
(S) Toluene-d8					98.2	101		80.0-120				
(S) 4-Bromofluorobenzene					98.8	100		77.0-126				
(S) 1,2-Dichloroethane-d4					108	106		70.0-130				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4207882-3 04/30/25 14:05

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
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
Hexachloro-1,3-butadiene	U		6.00	25.0
Isopropylbenzene	U		0.425	2.50
p-Isopropyltoluene	U		2.55	5.00
2-Butanone (MEK)	U		63.5	100

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4207882-3 04/30/25 14:05

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
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
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
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
1,2,3-Trimethylbenzene	U		1.58	5.00
Vinyl chloride	U		1.16	2.50
(S) Toluene-d8	98.7			75.0-131
(S) 4-Bromofluorobenzene	91.8			67.0-138
(S) 1,2-Dichloroethane-d4	114			70.0-130

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4207882-1 04/30/25 12:30 • (LCSD) R4207882-2 04/30/25 12:49

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	625	1130	1050	181	168	10.0-160	J4	J4	7.34	31
Acrylonitrile	625	881	755	141	121	45.0-153			15.4	22
Bromobenzene	125	132	121	106	96.8	73.0-121			8.70	20
Bromodichloromethane	125	136	124	109	99.2	73.0-121			9.23	20
Bromoform	125	111	97.2	88.8	77.8	64.0-132			13.3	20
Bromomethane	125	117	92.9	93.6	74.3	56.0-147		J3	23.0	20
n-Butylbenzene	125	122	110	97.6	88.0	68.0-135			10.3	20
sec-Butylbenzene	125	133	118	106	94.4	74.0-130			12.0	20
tert-Butylbenzene	125	141	126	113	101	75.0-127			11.2	20
Carbon tetrachloride	125	144	130	115	104	66.0-128			10.2	20
Chlorobenzene	125	122	111	97.6	88.8	76.0-128			9.44	20
Chlorodibromomethane	125	120	112	96.0	89.6	74.0-127			6.90	20

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

(LCS) R4207882-1 04/30/25 12:30 • (LCSD) R4207882-2 04/30/25 12:49

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Chloroethane	125	127	108	102	86.4	61.0-134			16.2	20
Chloroform	125	132	125	106	100	72.0-123			5.45	20
Chloromethane	125	127	112	102	89.6	51.0-138			12.6	20
2-Chlorotoluene	125	142	123	114	98.4	75.0-124			14.3	20
4-Chlorotoluene	125	128	118	102	94.4	75.0-124			8.13	20
1,2-Dibromo-3-Chloropropane	125	136	126	109	101	59.0-130			7.63	20
1,2-Dibromoethane	125	127	115	102	92.0	74.0-128			9.92	20
Dibromomethane	125	130	126	104	101	75.0-122			3.12	20
1,2-Dichlorobenzene	125	130	119	104	95.2	76.0-124			8.84	20
1,3-Dichlorobenzene	125	129	120	103	96.0	76.0-125			7.23	20
1,4-Dichlorobenzene	125	119	113	95.2	90.4	77.0-121			5.17	20
Dichlorodifluoromethane	125	122	112	97.6	89.6	43.0-156			8.55	20
1,1-Dichloroethane	125	147	130	118	104	70.0-127			12.3	20
1,2-Dichloroethane	125	148	137	118	110	65.0-131			7.72	20
1,1-Dichloroethene	125	145	125	116	100	65.0-131			14.8	20
cis-1,2-Dichloroethene	125	126	114	101	91.2	73.0-125			10.0	20
trans-1,2-Dichloroethene	125	131	112	105	89.6	71.0-125			15.6	20
1,2-Dichloropropane	125	153	141	122	113	74.0-125			8.16	20
1,1-Dichloropropene	125	142	123	114	98.4	73.0-125			14.3	20
1,3-Dichloropropane	125	133	122	106	97.6	80.0-125			8.63	20
cis-1,3-Dichloropropene	125	135	125	108	100	76.0-127			7.69	20
trans-1,3-Dichloropropene	125	128	121	102	96.8	73.0-127			5.62	20
2,2-Dichloropropane	125	123	102	98.4	81.6	59.0-135			18.7	20
Di-isopropyl ether	125	146	140	117	112	60.0-136			4.20	20
Hexachloro-1,3-butadiene	125	109	99.9	87.2	79.9	57.0-150			8.71	20
Isopropylbenzene	125	124	109	99.2	87.2	72.0-127			12.9	20
p-Isopropyltoluene	125	135	120	108	96.0	72.0-133			11.8	20
2-Butanone (MEK)	625	1140	1010	182	162	30.0-160	J4	J4	12.1	24
Methylene Chloride	125	125	108	100	86.4	68.0-123			14.6	20
4-Methyl-2-pentanone (MIBK)	625	880	792	141	127	56.0-143			10.5	20
Methyl tert-butyl ether	125	135	133	108	106	66.0-132			1.49	20
n-Propylbenzene	125	142	128	114	102	74.0-126			10.4	20
Styrene	125	118	109	94.4	87.2	72.0-127			7.93	20
1,1,1,2-Tetrachloroethane	125	123	109	98.4	87.2	74.0-129			12.1	20
1,1,2,2-Tetrachloroethane	125	145	131	116	105	68.0-128			10.1	20
1,1,2-Trichlorotrifluoroethane	125	128	126	102	101	61.0-139			1.57	20
Tetrachloroethene	125	126	114	101	91.2	70.0-136			10.0	20
1,2,3-Trichlorobenzene	125	134	130	107	104	59.0-139			3.03	20
1,2,4-Trichlorobenzene	125	124	116	99.2	92.8	62.0-137			6.67	20
1,1,1-Trichloroethane	125	150	134	120	107	69.0-126			11.3	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4207882-1 04/30/25 12:30 • (LCSD) R4207882-2 04/30/25 12:49

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,1,2-Trichloroethane	125	132	123	106	98.4	78.0-123			7.06	20
Trichloroethene	125	139	121	111	96.8	76.0-126			13.8	20
Trichlorofluoromethane	125	133	122	106	97.6	61.0-142			8.63	20
1,2,3-Trichloropropane	125	156	140	125	112	67.0-129			10.8	20
1,2,3-Trimethylbenzene	125	136	120	109	96.0	74.0-124			12.5	20
Vinyl chloride	125	119	104	95.2	83.2	63.0-134			13.5	20
(S) Toluene-d8				97.0	99.1	75.0-131				
(S) 4-Bromofluorobenzene				92.7	90.6	67.0-138				
(S) 1,2-Dichloroethane-d4				116	117	70.0-130				

L1853226-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853226-03 04/30/25 17:46 • (MS) R4207882-4 04/30/25 18:05 • (MSD) R4207882-5 04/30/25 18:24

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	735	U	514	U	69.9	0.000	1	10.0-160		J3 J6	200	40
Acrylonitrile	735	U	820	671	112	91.2	1	10.0-160			20.0	40
Bromobenzene	147	U	141	114	96.0	77.3	1	10.0-156			21.6	38
Bromodichloromethane	147	U	146	118	99.2	80.0	1	10.0-143			21.4	37
Bromoform	147	U	107	92.4	73.0	62.8	1	10.0-146			15.0	36
Bromomethane	147	U	159	133	108	90.4	1	10.0-149			17.7	38
n-Butylbenzene	147	U	145	109	98.4	74.3	1	10.0-160			27.9	40
sec-Butylbenzene	147	U	146	107	99.2	72.6	1	10.0-159			30.9	39
tert-Butylbenzene	147	U	157	112	106	76.0	1	10.0-156			33.3	39
Carbon tetrachloride	147	U	161	103	110	69.9	1	10.0-145		J3	44.2	37
Chlorobenzene	147	U	133	103	90.4	70.1	1	10.0-152			25.3	39
Chlorodibromomethane	147	U	126	107	85.6	72.5	1	10.0-146			16.6	37
Chloroethane	147	U	209	165	142	112	1	10.0-146			23.9	40
Chloroform	147	U	147	104	100	71.0	1	10.0-146			33.9	37
Chloromethane	147	U	139	108	94.4	73.2	1	10.0-159			25.3	37
2-Chlorotoluene	147	U	148	115	101	78.3	1	10.0-159			25.1	38
4-Chlorotoluene	147	U	139	109	94.4	74.1	1	10.0-155			24.1	39
1,2-Dibromo-3-Chloropropane	147	U	118	104	80.0	71.0	1	10.0-151			12.0	39
1,2-Dibromoethane	147	U	133	116	90.4	78.6	1	10.0-148			13.9	34
Dibromomethane	147	U	139	116	94.4	79.0	1	10.0-147			17.8	35
1,2-Dichlorobenzene	147	U	144	122	97.6	83.2	1	10.0-155			15.9	37
1,3-Dichlorobenzene	147	U	145	113	98.4	76.7	1	10.0-153			24.8	38
1,4-Dichlorobenzene	147	U	133	110	90.4	75.1	1	10.0-151			18.5	38
Dichlorodifluoromethane	147	U	157	115	106	78.0	1	10.0-160			30.8	35

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1853226-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853226-03 04/30/25 17:46 • (MS) R4207882-4 04/30/25 18:05 • (MSD) R4207882-5 04/30/25 18:24

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-Dichloroethane	147	U	157	106	106	72.1	1	10.0-147		J3	38.5	37
1,2-Dichloroethane	147	U	154	132	105	89.6	1	10.0-148			15.6	35
1,1-Dichloroethene	147	U	172	122	117	83.2	1	10.0-155			33.6	37
cis-1,2-Dichloroethene	147	U	137	96.4	92.8	65.5	1	10.0-149			34.5	37
trans-1,2-Dichloroethene	147	U	135	92.7	92.0	63.0	1	10.0-150		J3	37.4	37
1,2-Dichloropropane	147	U	167	128	114	87.2	1	10.0-148			26.3	37
1,1-Dichloropropene	147	U	153	100	104	68.1	1	10.0-153		J3	41.7	35
1,3-Dichloropropane	147	U	146	127	99.2	86.4	1	10.0-154			13.8	35
cis-1,3-Dichloropropene	147	U	155	127	106	86.4	1	10.0-151			20.0	37
trans-1,3-Dichloropropene	147	U	147	126	100	85.6	1	10.0-148			15.5	37
2,2-Dichloropropane	147	U	133	84.7	90.4	57.6	1	10.0-138		J3	44.3	36
Di-isopropyl ether	147	U	171	131	116	88.8	1	10.0-147			26.6	36
Hexachloro-1,3-butadiene	147	U	137	121	92.8	82.4	1	10.0-160			11.9	40
Isopropylbenzene	147	U	151	103	102	69.8	1	10.0-155			37.8	38
p-Isopropyltoluene	147	U	157	111	106	75.6	1	10.0-160			33.8	40
2-Butanone (MEK)	735	U	464	781	63.0	106	1	10.0-160		J3	51.0	40
Methylene Chloride	147	U	138	120	93.6	81.6	1	10.0-141			13.7	37
4-Methyl-2-pentanone (MIBK)	735	U	814	700	111	95.2	1	10.0-160			15.1	35
Methyl tert-butyl ether	147	U	139	109	94.4	73.8	1	11.0-147			24.4	35
n-Propylbenzene	147	U	153	109	104	74.1	1	10.0-158			33.6	38
Styrene	147	U	131	101	88.8	69.0	1	10.0-160			25.2	40
1,1,1,2-Tetrachloroethane	147	U	127	94.7	86.4	64.4	1	10.0-149			29.2	39
1,1,2,2-Tetrachloroethane	147	U	126	107	85.6	72.7	1	10.0-160			16.3	35
1,1,2-Trichlorotrifluoroethane	147	U	167	116	114	79.0	1	10.0-160			36.0	36
Tetrachloroethene	147	U	146	95.6	99.2	65.0	1	10.0-156		J3	41.7	39
1,2,3-Trichlorobenzene	147	U	174	181	118	123	1	10.0-160			3.97	40
1,2,4-Trichlorobenzene	147	U	172	161	117	110	1	10.0-160			6.36	40
1,1,1-Trichloroethane	147	U	164	105	111	71.7	1	10.0-144		J3	43.2	35
1,1,2-Trichloroethane	147	U	139	125	94.4	84.8	1	10.0-160			10.7	35
Trichloroethene	147	U	162	116	110	78.7	1	10.0-156			33.5	38
Trichlorofluoromethane	147	U	221	158	150	107	1	10.0-160			33.5	40
1,2,3-Trichloropropane	147	U	146	129	99.2	88.0	1	10.0-156			12.0	35
1,2,3-Trimethylbenzene	147	U	147	116	100	78.9	1	10.0-160			23.6	36
Vinyl chloride	147	U	134	98.1	91.2	66.7	1	10.0-160			31.0	37
(S) Toluene-d8					97.9	98.1		75.0-131				
(S) 4-Bromofluorobenzene					92.6	90.5		67.0-138				
(S) 1,2-Dichloroethane-d4					110	103		70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4207985-2 04/30/25 20:52

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Acenaphthylene	U		4.69	33.3
Benzidine	U		62.6	1670
Benzo(g,h,i)perylene	U		6.09	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
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
Hexachlorobenzene	U		11.8	333
Hexachloro-1,3-butadiene	U		11.2	333
Hexachlorocyclopentadiene	U		17.5	333
Hexachloroethane	U		13.1	333
Isophorone	U		10.2	333
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
Diethyl phthalate	U		11.0	333
Dimethyl phthalate	U		70.6	333
Di-n-octyl phthalate	U		22.5	333
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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4207985-2 04/30/25 20:52

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Pentachlorophenol	U		8.96	333
Phenol	U		13.4	333
2,4,6-Trichlorophenol	U		10.7	333
(S) 2-Fluorophenol	84.4			12.0-120
(S) Phenol-d5	77.8			10.0-120
(S) Nitrobenzene-d5	78.7			10.0-122
(S) 2-Fluorobiphenyl	76.6			15.0-120
(S) 2,4,6-Tribromophenol	78.7			10.0-127
(S) p-Terphenyl-d14	80.8			10.0-120

Laboratory Control Sample (LCS)

(LCS) R4207985-1 04/30/25 20:31

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	666	573	86.0	40.0-120	
Benzidine	1330	491	36.9	10.0-120	J
Benzo(g,h,i)perylene	666	525	78.8	43.0-120	
Bis(2-chlorethoxy)methane	666	394	59.2	20.0-120	
Bis(2-chloroethyl)ether	666	458	68.8	16.0-120	
2,2-Oxybis(1-Chloropropane)	666	471	70.7	23.0-120	
4-Bromophenyl-phenylether	666	525	78.8	40.0-120	
2-Chloronaphthalene	666	485	72.8	35.0-120	
4-Chlorophenyl-phenylether	666	526	79.0	40.0-120	
1,2-Dichlorobenzene	666	455	68.3	32.0-120	
1,3-Dichlorobenzene	666	437	65.6	30.0-120	
1,4-Dichlorobenzene	666	459	68.9	31.0-120	
3,3-Dichlorobenzidine	1330	1050	78.9	28.0-120	
2,4-Dinitrotoluene	666	619	92.9	45.0-120	
2,6-Dinitrotoluene	666	574	86.2	42.0-120	
Hexachlorobenzene	666	476	71.5	39.0-120	
Hexachloro-1,3-butadiene	666	357	53.6	15.0-120	
Hexachlorocyclopentadiene	666	423	63.5	15.0-120	
Hexachloroethane	666	460	69.1	17.0-120	
Isophorone	666	435	65.3	23.0-120	
Nitrobenzene	666	420	63.1	17.0-120	
n-Nitrosodimethylamine	666	541	81.2	10.0-125	
n-Nitrosodiphenylamine	666	517	77.6	40.0-120	
n-Nitrosodi-n-propylamine	666	497	74.6	26.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R4207985-1 04/30/25 20:31

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Phenanthrene	666	503	75.5	42.0-120	
Benzylbutyl phthalate	666	614	92.2	40.0-120	
Bis(2-ethylhexyl)phthalate	666	632	94.9	41.0-120	
Di-n-butyl phthalate	666	552	82.9	43.0-120	
Diethyl phthalate	666	592	88.9	43.0-120	
Dimethyl phthalate	666	575	86.3	43.0-120	
Di-n-octyl phthalate	666	611	91.7	40.0-120	
1,2,4-Trichlorobenzene	666	392	58.9	17.0-120	
4-Chloro-3-methylphenol	666	398	59.8	28.0-120	
2-Chlorophenol	666	444	66.7	28.0-120	
2,4-Dichlorophenol	666	380	57.1	25.0-120	
2,4-Dimethylphenol	666	351	52.7	15.0-120	
4,6-Dinitro-2-methylphenol	666	472	70.9	16.0-120	
2,4-Dinitrophenol	666	347	52.1	10.0-120	
2-Nitrophenol	666	458	68.8	20.0-120	
4-Nitrophenol	666	615	92.3	27.0-120	
Pentachlorophenol	666	333	50.0	29.0-120	U
Phenol	666	472	70.9	28.0-120	
2,4,6-Trichlorophenol	666	452	67.9	37.0-120	
(S) 2-Fluorophenol			87.2	12.0-120	
(S) Phenol-d5			80.0	10.0-120	
(S) Nitrobenzene-d5			63.7	10.0-122	
(S) 2-Fluorobiphenyl			78.1	15.0-120	
(S) 2,4,6-Tribromophenol			82.3	10.0-127	
(S) p-Terphenyl-d14			79.6	10.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1853216-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853216-03 05/01/25 00:20 • (MS) R4207985-3 05/01/25 00:41 • (MSD) R4207985-4 05/01/25 01:02

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 %
Acenaphthylene	764	U	619	562	80.9	73.3	2	25.0-120			9.56	32
Benzidine	1530	U	U	U	0.000	0.000	2	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	764	U	481	443	62.9	57.8	2	10.0-120			8.14	33
Bis(2-chlorethoxy)methane	764	U	465	436	60.8	56.9	2	10.0-120	U	U	6.27	34
Bis(2-chloroethyl)ether	764	U	515	507	67.4	66.1	2	10.0-120	U	U	1.61	40
2,2-Oxybis(1-Chloropropane)	764	U	494	480	64.6	62.6	2	10.0-120	U	U	2.90	40
4-Bromophenyl-phenylether	764	U	581	512	76.0	66.7	2	27.0-120	U	U	12.7	30
2-Chloronaphthalene	764	U	519	476	67.8	62.1	2	20.0-120			8.51	32

L1853216-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853216-03 05/01/25 00:20 • (MS) R4207985-3 05/01/25 00:41 • (MSD) R4207985-4 05/01/25 01:02

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 %
4-Chlorophenyl-phenylether	764	U	585	528	76.5	68.9	2	24.0-120	⬇	⬇	10.1	29
1,2-Dichlorobenzene	764	U	461	436	60.3	56.9	2	10.0-120	⬇	⬇	5.50	38
1,3-Dichlorobenzene	764	U	429	421	56.2	54.9	2	10.0-120	⬇	⬇	1.94	40
1,4-Dichlorobenzene	764	U	463	453	60.6	59.0	2	10.0-120	⬇	⬇	2.31	39
3,3-Dichlorobenzidine	1530	U	692	599	45.2	39.2	2	10.0-120	⬇	⬇	14.4	34
2,4-Dinitrotoluene	764	U	649	606	84.9	79.0	2	30.0-120	⬇	⬇	6.94	31
2,6-Dinitrotoluene	764	U	617	557	80.8	72.7	2	25.0-120	⬇	⬇	10.2	31
Hexachlorobenzene	764	U	521	466	68.2	60.7	2	27.0-120	⬇	⬇	11.2	28
Hexachloro-1,3-butadiene	764	U	412	383	53.8	50.0	2	10.0-120	⬇	⬇	7.10	38
Hexachlorocyclopentadiene	764	U	U	U	2.32	3.25	2	10.0-120	J J6	J J6	33.6	40
Hexachloroethane	764	U	258	239	33.7	31.1	2	10.0-120	⬇	⬇	7.58	40
Isophorone	764	U	507	463	66.3	60.4	2	13.0-120	⬇	⬇	8.97	34
Nitrobenzene	764	U	478	463	62.5	60.4	2	10.0-120	⬇	⬇	3.00	36
n-Nitrosodimethylamine	764	U	543	500	71.1	65.2	2	10.0-127	⬇	⬇	8.34	40
n-Nitrosodiphenylamine	764	U	582	515	76.2	67.2	2	17.0-120	⬇	⬇	12.2	29
n-Nitrosodi-n-propylamine	764	U	520	489	68.0	63.8	2	10.0-120	⬇	⬇	6.06	37
Phenanthrene	764	U	549	494	71.8	64.4	2	17.0-120			10.6	31
Benzylbutyl phthalate	764	U	714	652	93.4	85.0	2	23.0-120	⬇	⬇	9.13	30
Bis(2-ethylhexyl)phthalate	764	U	724	672	94.8	87.6	2	17.0-126	⬇	⬇	7.58	30
Di-n-butyl phthalate	764	U	629	577	82.3	75.3	2	30.0-120	⬇	⬇	8.58	29
Diethyl phthalate	764	U	656	585	85.8	76.2	2	26.0-120	⬇	⬇	11.6	28
Dimethyl phthalate	764	U	613	552	80.2	71.9	2	25.0-120	⬇	⬇	10.5	29
Di-n-octyl phthalate	764	U	722	669	94.5	87.3	2	21.0-123	⬇	⬇	7.61	29
1,2,4-Trichlorobenzene	764	U	458	428	59.8	55.8	2	12.0-120	⬇	⬇	6.64	37
4-Chloro-3-methylphenol	764	U	513	463	67.1	60.4	2	15.0-120	⬇	⬇	10.1	30
2-Chlorophenol	764	U	478	447	62.5	58.3	2	15.0-120	⬇	⬇	6.62	37
2,4-Dichlorophenol	764	U	476	452	62.3	58.9	2	20.0-120	⬇	⬇	5.32	31
2,4-Dimethylphenol	764	U	439	412	57.4	53.7	2	10.0-120	⬇	⬇	6.36	33
4,6-Dinitro-2-methylphenol	764	U	440	374	57.5	48.8	2	10.0-120	⬇	⬇	16.2	39
2,4-Dinitrophenol	764	U	382	327	50.0	42.6	2	10.0-121	⬇	⬇	15.6	40
2-Nitrophenol	764	U	536	508	70.2	66.3	2	12.0-120	⬇	⬇	5.41	39
4-Nitrophenol	764	U	730	663	95.5	86.5	2	10.0-137	⬇	⬇	9.62	32
Pentachlorophenol	764	U	375	320	49.1	41.7	2	10.0-160	⬇	⬇	15.9	31
Phenol	764	U	505	472	66.0	61.5	2	12.0-120	⬇	⬇	6.75	38
2,4,6-Trichlorophenol	764	U	533	488	69.7	63.7	2	19.0-120	⬇	⬇	8.76	32
(S) 2-Fluorophenol					77.5	72.8		12.0-120				
(S) Phenol-d5					72.5	68.2		10.0-120				
(S) Nitrobenzene-d5					63.1	56.7		10.0-122				
(S) 2-Fluorobiphenyl					70.8	63.8		15.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1853216-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853216-03 05/01/25 00:20 • (MS) R4207985-3 05/01/25 00:41 • (MSD) R4207985-4 05/01/25 01:02

	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) 2,4,6-Tribromophenol					78.8	72.4		10.0-127				
(S) p-Terphenyl-d14					78.2	69.3		10.0-120				

Sample Narrative:

OS: Dilution due to matrix impact during extraction procedure

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

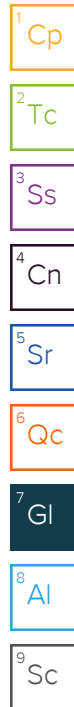
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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



ACCREDITATIONS & LOCATIONS

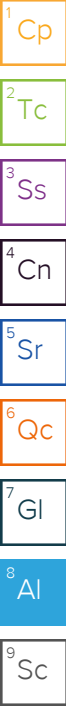
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



A065

Pace® Location Requested (City/State): CHAIN-OF-CUSTODY Analytical Request Document
Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122
 Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name: CTEH, LLC
 Street Address:
5120 North Shore Drive, North Little Rock, AR 72118

Customer Project #: PROJ-054017
 Project Name:
Bishop LOC
 Site Collection Info/Facility ID (as applicable):
Galeton, CO

Time Zone Collected: ☐ AK ☐ PT ☒ MT ☐ CT ☐ ET
 County / State origin of sample(s): CO

Contact/Report To: Lab Results, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman
 Phone #:
 E-MAIL: labresults@cteh.com; kylelawrence@cteh.com; tmcsmullin@cteh.com; ahenault@cteh.com
 G-MAIL: ecattin@cteh.com; mklinkerman@cteh.com
 Invoice to: CTEH
 Invoice E-mail: ctehap@montrose-env.com
 Purchase Order # (if applicable):
 Quote #:
 Reportable ☐ Yes ☐ No

Data Deliverables:
☒ Level II ☐ Level III ☐ Level IV
☐ EQUIS
☐ Other: _____

Regulatory Program (DW, RCRA, etc.) as applicable:
 Rush (Pre-approval required): ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day Other ASAP
 Date Results Requested: _____
 DW PWSID # or WW Permit # as applicable:
 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 (SS), Oil (OL), Wipe (WP), Tissue (TS), Biossary (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Residual Chlorine		VOCs 8260D	SVOCs 8270E; Metals 6010D	Total N/TKNN+NNH3 EPA 351.2/9056A	TOC Walkley Black	VOCs 8260D	Lab Use Only	Sample Comment	Preservation non-conformance identified for sample.
			Date	Time	Date	Time		Result	Units								
GACO0429T000S004	SS	G	-	-	4/29/2025	1035	3	-	-	X	X	X	X	-		-01	
GACO0429T000S005	SS	G	-	-	4/29/2025	1128	3	-	-	X	X	X	X	-		-02	
GACO0429T000S006	SS	G	-	-	4/29/2025	1106	3	-	-	X	X	X	X	-		-03	
GACO0429T000S007	SS	G	-	-	4/29/2025	1042	3	-	-	X	X	X	X	-		-04	
GACO0429T000T002	OT	G	-	-	4/29/2025	0730	2	-	-	-	-	-	-	X		-05	
GACO0429T000T005	OT	G	-	-	4/29/2025	0700	2	-	-	-	-	-	-	X		-06	

2-26-4-26 TLT
 Sample Receipt Checklist
 COC Seal Present/Intact: ☒ Y ☐ N NP If Applicable
 COC Signed/Accurate: ☒ Y ☐ N VOA Zero Headspace: ☐ Y ☐ N
 Bottles arrive intact: ☒ Y ☐ N Pres. Correct/Check: ☐ Y ☐ N
 Correct bottles used: ☒ Y ☐ N
 Sufficient volume sent: ☒ Y ☐ N Condition: ☐ NCF ☒ OK
 RA Screen <0.5 mR/hr: ☒ Y ☐ N

Additional Instructions from Pace®:
 VOCs - full list minus BTEX, 1,2,4-TMB, 1,3,5-TMB; SVOCs - full list minus PAHs, 1-methylnaphthalene, 2-methylnaphthalene; Metals - TAL minus RCRA, Cu, Ni, Zn

Collected By: Jules Van Horn
 Printed Name Signature: Jules Van Horn

Customer Remarks / Special Conditions / Possible Hazards:
 # Coolers: _____ Thermometer ID: _____ Correction Factor (°C): _____ Obs. Temp. (°C): _____ Corrected Temp. (°C): _____ ☐ On Ice

Relinquished by/Company (Signature): [Signature] Date/Time: 4/29/25 15:00
 Relinquished by/Company (Signature): [Signature] Date/Time: 4/30/25 1120
 Relinquished by/Company (Signature): [Signature] Date/Time: 4/30/25 1120
 Relinquished by/Company (Signature): [Signature] Date/Time: 4/30/25 1120

Tracking Number:
 Delivered by: ☐ In-Person ☐ Courier
☐ FedEx ☐ UPS ☐ Other
 Page: of

Submitting a sample via this chainofcustody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at <https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>.

ENV-FRM-CORQ-0019_v02_110123 ©