

CTEH - ER

Sample Delivery Group: L1851263
Samples Received: 04/24/2025
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.

TABLE OF CONTENTS

Cp: Cover Page	1	
Tc: Table of Contents	2	
Ss: Sample Summary	3	
Cn: Case Narrative	5	
Sr: Sample Results	7	
GACO0423T089S001 L1851263-01	7	
GACO0423T089S002 L1851263-02	10	
GACO0423T089S003 L1851263-03	13	
GACO0423T089S004 L1851263-04	16	
GACO0423T089S005 L1851263-05	19	
GACO0423T089T001 L1851263-06	22	
Qc: Quality Control Summary	24	
Total Solids by Method 2540 G-2011	24	
Wet Chemistry by Method 350.1	25	
Wet Chemistry by Method 4500NOrg D-2021	26	
Wet Chemistry by Method 9056A	29	
Wet Chemistry by Method WALKLEY-BLACK	30	
Metals (ICP) by Method 6010D	31	
Volatile Organic Compounds (GC/MS) by Method 8260D	33	
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	42	
Gl: Glossary of Terms	47	
Al: Accreditations & Locations	48	
Sc: Sample Chain of Custody	49	

SAMPLE SUMMARY

GACO0423T089S001 L1851263-01 Solid

Collected by: Kaitlin Wykoff
 Collected date/time: 04/23/25 11:00
 Received date/time: 04/24/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2499181	1	04/24/25 15:28	04/25/25 17:15	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2499093	1	04/24/25 14:31	04/24/25 14:41	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2499240	1	04/24/25 16:09	04/24/25 22:29	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2499264	5	04/24/25 21:25	04/25/25 17:15	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2499181	1	04/24/25 15:28	04/24/25 18:10	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2499356	5	04/24/25 18:02	04/25/25 22:30	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2499146	1	04/24/25 14:55	04/24/25 19:57	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2499340	1	04/24/25 14:30	04/24/25 18:22	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2499161	1	04/24/25 15:02	04/24/25 19:37	JRM	Mt. Juliet, TN



GACO0423T089S002 L1851263-02 Solid

Collected by: Kaitlin Wykoff
 Collected date/time: 04/23/25 11:35
 Received date/time: 04/24/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2499181	1	04/24/25 15:28	04/25/25 17:19	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2499093	1	04/24/25 14:31	04/24/25 14:41	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2499240	1	04/24/25 16:09	04/24/25 22:33	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2499264	5	04/24/25 21:25	04/25/25 17:19	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2499181	1	04/24/25 15:28	04/24/25 18:24	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2499356	5	04/24/25 18:02	04/25/25 22:31	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2499146	1	04/24/25 14:55	04/24/25 19:59	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2499340	1	04/24/25 14:30	04/24/25 18:41	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2499161	1	04/24/25 15:02	04/24/25 20:39	JRM	Mt. Juliet, TN

GACO0423T089S003 L1851263-03 Solid

Collected by: Kaitlin Wykoff
 Collected date/time: 04/23/25 12:00
 Received date/time: 04/24/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2499181	1	04/24/25 15:28	04/28/25 19:17	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2499093	1	04/24/25 14:31	04/24/25 14:41	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2499240	1	04/24/25 16:09	04/24/25 22:36	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2501019	10	04/27/25 09:34	04/28/25 19:17	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2499181	1	04/24/25 15:28	04/24/25 18:37	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2499356	5	04/24/25 18:02	04/25/25 22:31	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2499146	1	04/24/25 14:55	04/24/25 20:01	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2499340	1	04/24/25 14:30	04/24/25 19:00	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2499161	1	04/24/25 15:02	04/24/25 20:59	JRM	Mt. Juliet, TN

GACO0423T089S004 L1851263-04 Solid

Collected by: Kaitlin Wykoff
 Collected date/time: 04/23/25 12:25
 Received date/time: 04/24/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2499181	1	04/24/25 15:28	04/25/25 17:23	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2499093	1	04/24/25 14:31	04/24/25 14:41	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2499240	1	04/24/25 16:09	04/24/25 22:38	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2499264	5	04/24/25 21:25	04/25/25 17:23	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2499181	1	04/24/25 15:28	04/24/25 18:51	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2499356	5	04/24/25 18:02	04/25/25 22:32	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2499146	1	04/24/25 14:55	04/24/25 20:06	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2499340	1	04/24/25 14:30	04/24/25 19:19	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2499161	1	04/24/25 15:02	04/24/25 21:20	JRM	Mt. Juliet, TN

SAMPLE SUMMARY

GACO0423T089S005 L1851263-05 Solid

Collected by: Kaitlin Wykoff
 Collected date/time: 04/23/25 12:55
 Received date/time: 04/24/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2499181	1	04/24/25 15:28	04/25/25 17:28	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2499093	1	04/24/25 14:31	04/24/25 14:41	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2499240	1	04/24/25 16:09	04/24/25 22:42	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2499264	5	04/24/25 21:25	04/25/25 17:28	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2499181	1	04/24/25 15:28	04/24/25 19:04	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2499356	5	04/24/25 18:02	04/25/25 22:32	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2499146	1	04/24/25 14:55	04/24/25 20:08	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2499340	1	04/24/25 14:30	04/24/25 19:38	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2499161	2	04/24/25 15:02	04/25/25 01:25	JRM	Mt. Juliet, TN

GACO0423T089T001 L1851263-06 GW

Collected by: Kaitlin Wykoff
 Collected date/time: 04/23/25 10:00
 Received date/time: 04/24/25 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2499120	1	04/24/25 15:33	04/24/25 15:33	KST	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

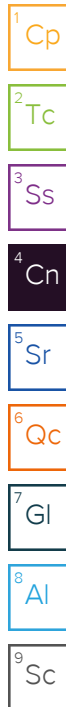
9 Sc

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 350.1

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

Batch	Lab Sample ID	Analytes
WG2499240	(MS) R4204793-5, (MSD) R4204793-6, L1851263-01	Ammonia Nitrogen

Wet Chemistry by Method 4500NOrg D-2021

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

Batch	Lab Sample ID	Analytes
WG2499264	(MSD) R4205325-6, L1851263-01	Kjeldahl Nitrogen, TKN
WG2501019	(MS) R4206551-3, (MSD) R4206551-4	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2501019	(MS) R4206551-6	Kjeldahl Nitrogen, TKN

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
WG2499146	(MS) R4204767-11, (MSD) R4204767-12	Aluminum, Calcium, Iron, Magnesium and Potassium

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

Batch	Lab Sample ID	Analytes
WG2499146	(MSD) R4204767-12	Aluminum and 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
WG2499120	L1851263-06	2,2-Dichloropropane, Acetone, Bromomethane and Chloroethane
WG2499340	L1851263-01	12 analytes
WG2499340	L1851263-02	12 analytes
WG2499340	L1851263-03	12 analytes
WG2499340	L1851263-04	12 analytes
WG2499340	L1851263-05	12 analytes

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

Batch	Lab Sample ID	Analytes
WG2499340	(LCS) R4204888-1, L1851263-01, 02, 03, 04, 05	1,2-Dibromo-3-Chloropropane

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

Batch	Lab Sample ID	Analytes
WG2499120	(LCS) R4204925-1, (LCSD) R4204925-2, L1851263-06	Acrolein

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

Batch	Lab Sample ID	Analytes
WG2499340	(LCSD) R4204888-2, L1851263-02, 03, 04, 05	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Hexachloro-1,3-butadiene

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

Batch	Lab Sample ID	Analytes
WG2499340	(MS) R4204888-4, L1851263-01	Hexachloro-1,3-butadiene

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

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

Batch	Lab Sample ID	Analytes
WG2499161	L1851263-01	2,2-Oxybis(1-Chloropropane)
WG2499161	L1851263-02	2,2-Oxybis(1-Chloropropane)
WG2499161	L1851263-03	2,2-Oxybis(1-Chloropropane)
WG2499161	L1851263-04	2,2-Oxybis(1-Chloropropane)
WG2499161	L1851263-05	2,2-Oxybis(1-Chloropropane)

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

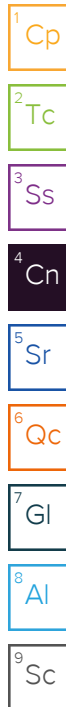
Batch	Lab Sample ID	Analytes
WG2499161	L1851263-01	Benzidine and Hexachlorocyclopentadiene
WG2499161	L1851263-02	Benzidine and Hexachlorocyclopentadiene
WG2499161	L1851263-03	Benzidine and Hexachlorocyclopentadiene
WG2499161	L1851263-04	Benzidine and Hexachlorocyclopentadiene
WG2499161	L1851263-05	Benzidine and Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2499161	(MS) R4204835-3, (MSD) R4204835-4	Benzidine and Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2499161	(MSD) R4204835-4	Benzidine



Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1200000		640	21100	1	04/25/2025 17:15	WG2499181

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.7		1	04/24/2025 14:41	WG2499093

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	U	J6	7590	10600	1	04/24/2025 22:29	WG2499240

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1180000	J6	80300	106000	5	04/25/2025 17:15	WG2499264

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	20800	J	640	21100	1	04/24/2025 18:10	WG2499181

Wet Chemistry by Method WALKLEY-BLACK

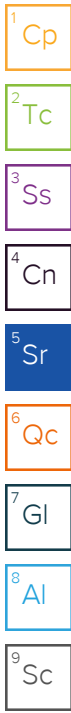
Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	16800000		128000	500000	5	04/25/2025 22:30	WG2499356

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	2420000		6420	21100	1	04/24/2025 19:57	WG2499146
Antimony	U		730	2110	1	04/24/2025 19:57	WG2499146
Beryllium	286		50.4	211	1	04/24/2025 19:57	WG2499146
Calcium	2090000		20100	106000	1	04/24/2025 19:57	WG2499146
Cobalt	2490		187	1060	1	04/24/2025 19:57	WG2499146
Iron	2520000		2370	10600	1	04/24/2025 19:57	WG2499146
Magnesium	1160000		21000	106000	1	04/24/2025 19:57	WG2499146
Manganese	141000		183	1060	1	04/24/2025 19:57	WG2499146
Potassium	1050000		22100	106000	1	04/24/2025 19:57	WG2499146
Sodium	56400	J	43500	106000	1	04/24/2025 19:57	WG2499146
Thallium	U		547	2110	1	04/24/2025 19:57	WG2499146
Vanadium	7800		404	2110	1	04/24/2025 19:57	WG2499146

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	U	C3	40.6	55.6	1	04/24/2025 18:22	WG2499340
Acrylonitrile	U	C3	4.01	13.9	1	04/24/2025 18:22	WG2499340
Bromobenzene	U		1.00	13.9	1	04/24/2025 18:22	WG2499340
Bromodichloromethane	U		0.806	2.78	1	04/24/2025 18:22	WG2499340
Bromoform	U		1.30	27.8	1	04/24/2025 18:22	WG2499340
Bromomethane	U		2.19	13.9	1	04/24/2025 18:22	WG2499340



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		5.84	13.9	1	04/24/2025 18:22	WG2499340
sec-Butylbenzene	U		3.20	13.9	1	04/24/2025 18:22	WG2499340
tert-Butylbenzene	U		2.17	5.56	1	04/24/2025 18:22	WG2499340
Carbon tetrachloride	U		0.999	5.56	1	04/24/2025 18:22	WG2499340
Chlorobenzene	U		0.234	2.78	1	04/24/2025 18:22	WG2499340
Chlorodibromomethane	U		0.681	2.78	1	04/24/2025 18:22	WG2499340
Chloroethane	U	C3	1.89	5.56	1	04/24/2025 18:22	WG2499340
Chloroform	U		1.15	2.78	1	04/24/2025 18:22	WG2499340
Chloromethane	U	C3	4.84	13.9	1	04/24/2025 18:22	WG2499340
2-Chlorotoluene	U		0.962	2.78	1	04/24/2025 18:22	WG2499340
4-Chlorotoluene	U		0.500	5.56	1	04/24/2025 18:22	WG2499340
1,2-Dibromo-3-Chloropropane	U	C3 J4	4.34	27.8	1	04/24/2025 18:22	WG2499340
1,2-Dibromoethane	U		0.721	2.78	1	04/24/2025 18:22	WG2499340
Dibromomethane	U		0.834	5.56	1	04/24/2025 18:22	WG2499340
1,2-Dichlorobenzene	U		0.473	5.56	1	04/24/2025 18:22	WG2499340
1,3-Dichlorobenzene	U		0.667	5.56	1	04/24/2025 18:22	WG2499340
1,4-Dichlorobenzene	U		0.778	5.56	1	04/24/2025 18:22	WG2499340
Dichlorodifluoromethane	U		1.79	5.56	1	04/24/2025 18:22	WG2499340
1,1-Dichloroethane	U		0.546	2.78	1	04/24/2025 18:22	WG2499340
1,2-Dichloroethane	U		0.722	2.78	1	04/24/2025 18:22	WG2499340
1,1-Dichloroethene	U		0.674	2.78	1	04/24/2025 18:22	WG2499340
cis-1,2-Dichloroethene	U		0.816	2.78	1	04/24/2025 18:22	WG2499340
trans-1,2-Dichloroethene	U		1.16	5.56	1	04/24/2025 18:22	WG2499340
1,2-Dichloropropane	U		1.58	5.56	1	04/24/2025 18:22	WG2499340
1,1-Dichloropropene	U		0.900	2.78	1	04/24/2025 18:22	WG2499340
1,3-Dichloropropane	U		0.557	5.56	1	04/24/2025 18:22	WG2499340
cis-1,3-Dichloropropene	U		0.842	2.78	1	04/24/2025 18:22	WG2499340
trans-1,3-Dichloropropene	U		1.27	5.56	1	04/24/2025 18:22	WG2499340
2,2-Dichloropropane	U		1.53	2.78	1	04/24/2025 18:22	WG2499340
Di-isopropyl ether	U		0.456	1.11	1	04/24/2025 18:22	WG2499340
Hexachloro-1,3-butadiene	U	J5	6.67	27.8	1	04/24/2025 18:22	WG2499340
Isopropylbenzene	U		0.473	2.78	1	04/24/2025 18:22	WG2499340
p-Isopropyltoluene	U		2.84	5.56	1	04/24/2025 18:22	WG2499340
2-Butanone (MEK)	U	C3	70.6	111	1	04/24/2025 18:22	WG2499340
Methylene Chloride	U		7.38	27.8	1	04/24/2025 18:22	WG2499340
4-Methyl-2-pentanone (MIBK)	U	C3	2.54	27.8	1	04/24/2025 18:22	WG2499340
Methyl tert-butyl ether	U	C3	0.389	1.11	1	04/24/2025 18:22	WG2499340
n-Propylbenzene	U		1.06	5.56	1	04/24/2025 18:22	WG2499340
Styrene	U		0.255	13.9	1	04/24/2025 18:22	WG2499340
1,1,1,2-Tetrachloroethane	U		1.05	2.78	1	04/24/2025 18:22	WG2499340
1,1,2,2-Tetrachloroethane	U	C3	0.773	2.78	1	04/24/2025 18:22	WG2499340
1,1,2-Trichlorotrifluoroethane	U		0.838	2.78	1	04/24/2025 18:22	WG2499340
Tetrachloroethene	U		0.996	2.78	1	04/24/2025 18:22	WG2499340
1,2,3-Trichlorobenzene	U	C3	8.15	13.9	1	04/24/2025 18:22	WG2499340
1,2,4-Trichlorobenzene	U	C3	4.89	13.9	1	04/24/2025 18:22	WG2499340
1,1,1-Trichloroethane	U		1.03	2.78	1	04/24/2025 18:22	WG2499340
1,1,2-Trichloroethane	U		0.664	2.78	1	04/24/2025 18:22	WG2499340
Trichloroethene	U		0.649	1.11	1	04/24/2025 18:22	WG2499340
Trichlorofluoromethane	U		0.920	2.78	1	04/24/2025 18:22	WG2499340
1,2,3-Trichloropropane	U	C3	1.80	13.9	1	04/24/2025 18:22	WG2499340
1,2,3-Trimethylbenzene	U		1.76	5.56	1	04/24/2025 18:22	WG2499340
Vinyl chloride	U		1.29	2.78	1	04/24/2025 18:22	WG2499340
(S) Toluene-d8	117			75.0-131		04/24/2025 18:22	WG2499340
(S) 4-Bromofluorobenzene	97.1			67.0-138		04/24/2025 18:22	WG2499340
(S) 1,2-Dichloroethane-d4	95.4			70.0-130		04/24/2025 18:22	WG2499340

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		4.95	35.2	1	04/24/2025 19:37	WG2499161
Benzidine	U	C7	66.1	1760	1	04/24/2025 19:37	WG2499161
Benzo(g,h,i)perylene	U		6.43	35.2	1	04/24/2025 19:37	WG2499161
Bis(2-chloroethoxy)methane	U		10.6	352	1	04/24/2025 19:37	WG2499161
Bis(2-chloroethyl)ether	U		11.6	352	1	04/24/2025 19:37	WG2499161
2,2-Oxybis(1-Chloropropane)	U	C3	15.2	352	1	04/24/2025 19:37	WG2499161
4-Bromophenyl-phenylether	U		12.4	352	1	04/24/2025 19:37	WG2499161
2-Chloronaphthalene	U		6.18	35.2	1	04/24/2025 19:37	WG2499161
4-Chlorophenyl-phenylether	U		12.2	352	1	04/24/2025 19:37	WG2499161
1,2-Dichlorobenzene	U		10.4	352	1	04/24/2025 19:37	WG2499161
1,3-Dichlorobenzene	U		10.7	352	1	04/24/2025 19:37	WG2499161
1,4-Dichlorobenzene	U		10.5	352	1	04/24/2025 19:37	WG2499161
3,3-Dichlorobenzidine	U		13.0	352	1	04/24/2025 19:37	WG2499161
2,4-Dinitrotoluene	U		10.1	352	1	04/24/2025 19:37	WG2499161
2,6-Dinitrotoluene	U		11.5	352	1	04/24/2025 19:37	WG2499161
Hexachlorobenzene	U		12.5	352	1	04/24/2025 19:37	WG2499161
Hexachloro-1,3-butadiene	U		11.8	352	1	04/24/2025 19:37	WG2499161
Hexachlorocyclopentadiene	U	C7	18.5	352	1	04/24/2025 19:37	WG2499161
Hexachloroethane	U		13.8	352	1	04/24/2025 19:37	WG2499161
Isophorone	U		10.8	352	1	04/24/2025 19:37	WG2499161
Nitrobenzene	U		12.2	352	1	04/24/2025 19:37	WG2499161
n-Nitrosodimethylamine	U		52.2	352	1	04/24/2025 19:37	WG2499161
n-Nitrosodiphenylamine	U		26.6	352	1	04/24/2025 19:37	WG2499161
n-Nitrosodi-n-propylamine	U		11.7	352	1	04/24/2025 19:37	WG2499161
Phenanthrene	U		6.98	35.2	1	04/24/2025 19:37	WG2499161
Benzylbutyl phthalate	U		11.0	352	1	04/24/2025 19:37	WG2499161
Bis(2-ethylhexyl)phthalate	U		44.6	352	1	04/24/2025 19:37	WG2499161
Di-n-butyl phthalate	U		12.0	352	1	04/24/2025 19:37	WG2499161
Diethyl phthalate	U		11.6	352	1	04/24/2025 19:37	WG2499161
Dimethyl phthalate	U		74.5	352	1	04/24/2025 19:37	WG2499161
Di-n-octyl phthalate	U		23.8	352	1	04/24/2025 19:37	WG2499161
1,2,4-Trichlorobenzene	U		11.0	352	1	04/24/2025 19:37	WG2499161
4-Chloro-3-methylphenol	U		11.4	352	1	04/24/2025 19:37	WG2499161
2-Chlorophenol	U		11.6	352	1	04/24/2025 19:37	WG2499161
2,4-Dichlorophenol	U		10.2	352	1	04/24/2025 19:37	WG2499161
2,4-Dimethylphenol	U		9.19	352	1	04/24/2025 19:37	WG2499161
4,6-Dinitro-2-methylphenol	U		79.7	352	1	04/24/2025 19:37	WG2499161
2,4-Dinitrophenol	U		82.3	352	1	04/24/2025 19:37	WG2499161
2-Nitrophenol	U		12.6	352	1	04/24/2025 19:37	WG2499161
4-Nitrophenol	U		11.0	352	1	04/24/2025 19:37	WG2499161
Pentachlorophenol	U		9.46	352	1	04/24/2025 19:37	WG2499161
Phenol	U		14.1	352	1	04/24/2025 19:37	WG2499161
2,4,6-Trichlorophenol	U		11.3	352	1	04/24/2025 19:37	WG2499161
(S) 2-Fluorophenol	64.2			12.0-120		04/24/2025 19:37	WG2499161
(S) Phenol-d5	59.8			10.0-120		04/24/2025 19:37	WG2499161
(S) Nitrobenzene-d5	59.9			10.0-122		04/24/2025 19:37	WG2499161
(S) 2-Fluorobiphenyl	63.6			15.0-120		04/24/2025 19:37	WG2499161
(S) 2,4,6-Tribromophenol	88.2			10.0-127		04/24/2025 19:37	WG2499161
(S) p-Terphenyl-d14	68.5			10.0-120		04/24/2025 19:37	WG2499161

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1020000		619	20400	1	04/25/2025 17:19	WG2499181

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.9		1	04/24/2025 14:41	WG2499093

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	U		7340	10200	1	04/24/2025 22:33	WG2499240

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1000000		77600	102000	5	04/25/2025 17:19	WG2499264

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	24200		619	20400	1	04/24/2025 18:24	WG2499181

Wet Chemistry by Method WALKLEY-BLACK

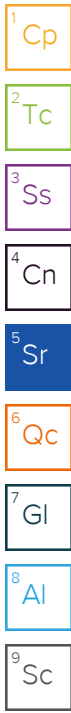
Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	14300000		128000	500000	5	04/25/2025 22:31	WG2499356

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	2750000		6210	20400	1	04/24/2025 19:59	WG2499146
Antimony	U		706	2040	1	04/24/2025 19:59	WG2499146
Beryllium	287		48.7	204	1	04/24/2025 19:59	WG2499146
Calcium	14400000		19400	102000	1	04/24/2025 19:59	WG2499146
Cobalt	2310		181	1020	1	04/24/2025 19:59	WG2499146
Iron	4640000		2290	10200	1	04/24/2025 19:59	WG2499146
Magnesium	1910000		20300	102000	1	04/24/2025 19:59	WG2499146
Manganese	137000		177	1020	1	04/24/2025 19:59	WG2499146
Potassium	938000		21300	102000	1	04/24/2025 19:59	WG2499146
Sodium	76300	J	42100	102000	1	04/24/2025 19:59	WG2499146
Thallium	U		529	2040	1	04/24/2025 19:59	WG2499146
Vanadium	9230		391	2040	1	04/24/2025 19:59	WG2499146

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	U	C3	38.0	52.1	1	04/24/2025 18:41	WG2499340
Acrylonitrile	U	C3	3.76	13.0	1	04/24/2025 18:41	WG2499340
Bromobenzene	U		0.938	13.0	1	04/24/2025 18:41	WG2499340
Bromodichloromethane	U		0.756	2.61	1	04/24/2025 18:41	WG2499340
Bromoform	U		1.22	26.1	1	04/24/2025 18:41	WG2499340
Bromomethane	U		2.05	13.0	1	04/24/2025 18:41	WG2499340



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		5.47	13.0	1	04/24/2025 18:41	WG2499340
sec-Butylbenzene	U		3.00	13.0	1	04/24/2025 18:41	WG2499340
tert-Butylbenzene	U		2.03	5.21	1	04/24/2025 18:41	WG2499340
Carbon tetrachloride	U		0.936	5.21	1	04/24/2025 18:41	WG2499340
Chlorobenzene	U		0.219	2.61	1	04/24/2025 18:41	WG2499340
Chlorodibromomethane	U		0.638	2.61	1	04/24/2025 18:41	WG2499340
Chloroethane	U	C3	1.77	5.21	1	04/24/2025 18:41	WG2499340
Chloroform	U		1.07	2.61	1	04/24/2025 18:41	WG2499340
Chloromethane	U	C3	4.53	13.0	1	04/24/2025 18:41	WG2499340
2-Chlorotoluene	U		0.902	2.61	1	04/24/2025 18:41	WG2499340
4-Chlorotoluene	U		0.469	5.21	1	04/24/2025 18:41	WG2499340
1,2-Dibromo-3-Chloropropane	U	C3 J4	4.07	26.1	1	04/24/2025 18:41	WG2499340
1,2-Dibromoethane	U		0.675	2.61	1	04/24/2025 18:41	WG2499340
Dibromomethane	U		0.782	5.21	1	04/24/2025 18:41	WG2499340
1,2-Dichlorobenzene	U		0.443	5.21	1	04/24/2025 18:41	WG2499340
1,3-Dichlorobenzene	U		0.625	5.21	1	04/24/2025 18:41	WG2499340
1,4-Dichlorobenzene	U		0.730	5.21	1	04/24/2025 18:41	WG2499340
Dichlorodifluoromethane	U		1.68	5.21	1	04/24/2025 18:41	WG2499340
1,1-Dichloroethane	U		0.512	2.61	1	04/24/2025 18:41	WG2499340
1,2-Dichloroethane	U		0.677	2.61	1	04/24/2025 18:41	WG2499340
1,1-Dichloroethene	U		0.632	2.61	1	04/24/2025 18:41	WG2499340
cis-1,2-Dichloroethene	U		0.765	2.61	1	04/24/2025 18:41	WG2499340
trans-1,2-Dichloroethene	U		1.08	5.21	1	04/24/2025 18:41	WG2499340
1,2-Dichloropropane	U		1.48	5.21	1	04/24/2025 18:41	WG2499340
1,1-Dichloropropene	U		0.843	2.61	1	04/24/2025 18:41	WG2499340
1,3-Dichloropropane	U		0.522	5.21	1	04/24/2025 18:41	WG2499340
cis-1,3-Dichloropropene	U		0.789	2.61	1	04/24/2025 18:41	WG2499340
trans-1,3-Dichloropropene	U		1.19	5.21	1	04/24/2025 18:41	WG2499340
2,2-Dichloropropane	U		1.44	2.61	1	04/24/2025 18:41	WG2499340
Di-isopropyl ether	U		0.427	1.04	1	04/24/2025 18:41	WG2499340
Hexachloro-1,3-butadiene	U	J3	6.25	26.1	1	04/24/2025 18:41	WG2499340
Isopropylbenzene	U		0.443	2.61	1	04/24/2025 18:41	WG2499340
p-Isopropyltoluene	U		2.66	5.21	1	04/24/2025 18:41	WG2499340
2-Butanone (MEK)	U	C3	66.2	104	1	04/24/2025 18:41	WG2499340
Methylene Chloride	U		6.92	26.1	1	04/24/2025 18:41	WG2499340
4-Methyl-2-pentanone (MIBK)	U	C3	2.38	26.1	1	04/24/2025 18:41	WG2499340
Methyl tert-butyl ether	U	C3	0.365	1.04	1	04/24/2025 18:41	WG2499340
n-Propylbenzene	U		0.990	5.21	1	04/24/2025 18:41	WG2499340
Styrene	U		0.239	13.0	1	04/24/2025 18:41	WG2499340
1,1,1,2-Tetrachloroethane	U		0.988	2.61	1	04/24/2025 18:41	WG2499340
1,1,2,2-Tetrachloroethane	U	C3	0.724	2.61	1	04/24/2025 18:41	WG2499340
1,1,2-Trichlorotrifluoroethane	U		0.786	2.61	1	04/24/2025 18:41	WG2499340
Tetrachloroethene	U		0.934	2.61	1	04/24/2025 18:41	WG2499340
1,2,3-Trichlorobenzene	U	C3 J3	7.64	13.0	1	04/24/2025 18:41	WG2499340
1,2,4-Trichlorobenzene	U	C3 J3	4.59	13.0	1	04/24/2025 18:41	WG2499340
1,1,1-Trichloroethane	U		0.962	2.61	1	04/24/2025 18:41	WG2499340
1,1,2-Trichloroethane	U		0.622	2.61	1	04/24/2025 18:41	WG2499340
Trichloroethene	U		0.609	1.04	1	04/24/2025 18:41	WG2499340
Trichlorofluoromethane	U		0.862	2.61	1	04/24/2025 18:41	WG2499340
1,2,3-Trichloropropane	U	C3	1.69	13.0	1	04/24/2025 18:41	WG2499340
1,2,3-Trimethylbenzene	U		1.65	5.21	1	04/24/2025 18:41	WG2499340
Vinyl chloride	U		1.21	2.61	1	04/24/2025 18:41	WG2499340
(S) Toluene-d8	105			75.0-131		04/24/2025 18:41	WG2499340
(S) 4-Bromofluorobenzene	101			67.0-138		04/24/2025 18:41	WG2499340
(S) 1,2-Dichloroethane-d4	90.7			70.0-130		04/24/2025 18:41	WG2499340

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		4.79	34.0	1	04/24/2025 20:39	WG2499161
Benzidine	U	C7	63.9	1710	1	04/24/2025 20:39	WG2499161
Benzo(g,h,i)perylene	U		6.22	34.0	1	04/24/2025 20:39	WG2499161
Bis(2-chloroethoxy)methane	U		10.2	340	1	04/24/2025 20:39	WG2499161
Bis(2-chloroethyl)ether	U		11.2	340	1	04/24/2025 20:39	WG2499161
2,2-Oxybis(1-Chloropropane)	U	C3	14.7	340	1	04/24/2025 20:39	WG2499161
4-Bromophenyl-phenylether	U		11.9	340	1	04/24/2025 20:39	WG2499161
2-Chloronaphthalene	U		5.97	34.0	1	04/24/2025 20:39	WG2499161
4-Chlorophenyl-phenylether	U		11.8	340	1	04/24/2025 20:39	WG2499161
1,2-Dichlorobenzene	U		10.1	340	1	04/24/2025 20:39	WG2499161
1,3-Dichlorobenzene	U		10.3	340	1	04/24/2025 20:39	WG2499161
1,4-Dichlorobenzene	U		10.1	340	1	04/24/2025 20:39	WG2499161
3,3-Dichlorobenzidine	U		12.6	340	1	04/24/2025 20:39	WG2499161
2,4-Dinitrotoluene	U		9.75	340	1	04/24/2025 20:39	WG2499161
2,6-Dinitrotoluene	U		11.1	340	1	04/24/2025 20:39	WG2499161
Hexachlorobenzene	U		12.1	340	1	04/24/2025 20:39	WG2499161
Hexachloro-1,3-butadiene	U		11.4	340	1	04/24/2025 20:39	WG2499161
Hexachlorocyclopentadiene	U	C7	17.9	340	1	04/24/2025 20:39	WG2499161
Hexachloroethane	U		13.4	340	1	04/24/2025 20:39	WG2499161
Isophorone	U		10.4	340	1	04/24/2025 20:39	WG2499161
Nitrobenzene	U		11.8	340	1	04/24/2025 20:39	WG2499161
n-Nitrosodimethylamine	U		50.4	340	1	04/24/2025 20:39	WG2499161
n-Nitrosodiphenylamine	U		25.7	340	1	04/24/2025 20:39	WG2499161
n-Nitrosodi-n-propylamine	U		11.3	340	1	04/24/2025 20:39	WG2499161
Phenanthrene	U		6.75	34.0	1	04/24/2025 20:39	WG2499161
Benzylbutyl phthalate	U		10.6	340	1	04/24/2025 20:39	WG2499161
Bis(2-ethylhexyl)phthalate	U		43.1	340	1	04/24/2025 20:39	WG2499161
Di-n-butyl phthalate	U		11.6	340	1	04/24/2025 20:39	WG2499161
Diethyl phthalate	U		11.2	340	1	04/24/2025 20:39	WG2499161
Dimethyl phthalate	U		72.1	340	1	04/24/2025 20:39	WG2499161
Di-n-octyl phthalate	U		23.0	340	1	04/24/2025 20:39	WG2499161
1,2,4-Trichlorobenzene	U		10.6	340	1	04/24/2025 20:39	WG2499161
4-Chloro-3-methylphenol	U		11.0	340	1	04/24/2025 20:39	WG2499161
2-Chlorophenol	U		11.2	340	1	04/24/2025 20:39	WG2499161
2,4-Dichlorophenol	U		9.91	340	1	04/24/2025 20:39	WG2499161
2,4-Dimethylphenol	U		8.88	340	1	04/24/2025 20:39	WG2499161
4,6-Dinitro-2-methylphenol	U		77.1	340	1	04/24/2025 20:39	WG2499161
2,4-Dinitrophenol	U		79.6	340	1	04/24/2025 20:39	WG2499161
2-Nitrophenol	U		12.2	340	1	04/24/2025 20:39	WG2499161
4-Nitrophenol	U		10.6	340	1	04/24/2025 20:39	WG2499161
Pentachlorophenol	U		9.15	340	1	04/24/2025 20:39	WG2499161
Phenol	U		13.7	340	1	04/24/2025 20:39	WG2499161
2,4,6-Trichlorophenol	U		10.9	340	1	04/24/2025 20:39	WG2499161
(S) 2-Fluorophenol	61.1			12.0-120		04/24/2025 20:39	WG2499161
(S) Phenol-d5	56.7			10.0-120		04/24/2025 20:39	WG2499161
(S) Nitrobenzene-d5	58.8			10.0-122		04/24/2025 20:39	WG2499161
(S) 2-Fluorobiphenyl	60.0			15.0-120		04/24/2025 20:39	WG2499161
(S) 2,4,6-Tribromophenol	88.2			10.0-127		04/24/2025 20:39	WG2499161
(S) p-Terphenyl-d14	63.0			10.0-120		04/24/2025 20:39	WG2499161

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2150000		669	22100	1	04/28/2025 19:17	WG2499181

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.6		1	04/24/2025 14:41	WG2499093

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	U		7940	11000	1	04/24/2025 22:36	WG2499240

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2100000		168000	221000	10	04/28/2025 19:17	WG2501019

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	58600		669	22100	1	04/24/2025 18:37	WG2499181

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	16300000		128000	500000	5	04/25/2025 22:31	WG2499356

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	3280000		6710	22100	1	04/24/2025 20:01	WG2499146
Antimony	U		763	2210	1	04/24/2025 20:01	WG2499146
Beryllium	299		52.7	221	1	04/24/2025 20:01	WG2499146
Calcium	11100000		21000	110000	1	04/24/2025 20:01	WG2499146
Cobalt	2830		195	1100	1	04/24/2025 20:01	WG2499146
Iron	5200000		2470	11000	1	04/24/2025 20:01	WG2499146
Magnesium	1990000		22000	110000	1	04/24/2025 20:01	WG2499146
Manganese	159000		191	1100	1	04/24/2025 20:01	WG2499146
Potassium	1790000		23100	110000	1	04/24/2025 20:01	WG2499146
Sodium	86700	J	45500	110000	1	04/24/2025 20:01	WG2499146
Thallium	U		572	2210	1	04/24/2025 20:01	WG2499146
Vanadium	10000		423	2210	1	04/24/2025 20:01	WG2499146

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	U	C3	44.1	60.4	1	04/24/2025 19:00	WG2499340
Acrylonitrile	U	C3	4.36	15.1	1	04/24/2025 19:00	WG2499340
Bromobenzene	U		1.09	15.1	1	04/24/2025 19:00	WG2499340
Bromodichloromethane	U		0.876	3.02	1	04/24/2025 19:00	WG2499340
Bromoform	U		1.41	30.2	1	04/24/2025 19:00	WG2499340
Bromomethane	U		2.38	15.1	1	04/24/2025 19:00	WG2499340



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	04/24/2025 19:00	WG2499340
sec-Butylbenzene	U		3.48	15.1	1	04/24/2025 19:00	WG2499340
tert-Butylbenzene	U		2.36	6.04	1	04/24/2025 19:00	WG2499340
Carbon tetrachloride	U		1.09	6.04	1	04/24/2025 19:00	WG2499340
Chlorobenzene	U		0.254	3.02	1	04/24/2025 19:00	WG2499340
Chlorodibromomethane	U		0.740	3.02	1	04/24/2025 19:00	WG2499340
Chloroethane	U	C3	2.05	6.04	1	04/24/2025 19:00	WG2499340
Chloroform	U		1.24	3.02	1	04/24/2025 19:00	WG2499340
Chloromethane	U	C3	5.26	15.1	1	04/24/2025 19:00	WG2499340
2-Chlorotoluene	U		1.05	3.02	1	04/24/2025 19:00	WG2499340
4-Chlorotoluene	U		0.544	6.04	1	04/24/2025 19:00	WG2499340
1,2-Dibromo-3-Chloropropane	U	C3 J4	4.71	30.2	1	04/24/2025 19:00	WG2499340
1,2-Dibromoethane	U		0.783	3.02	1	04/24/2025 19:00	WG2499340
Dibromomethane	U		0.906	6.04	1	04/24/2025 19:00	WG2499340
1,2-Dichlorobenzene	U		0.514	6.04	1	04/24/2025 19:00	WG2499340
1,3-Dichlorobenzene	U		0.725	6.04	1	04/24/2025 19:00	WG2499340
1,4-Dichlorobenzene	U		0.846	6.04	1	04/24/2025 19:00	WG2499340
Dichlorodifluoromethane	U		1.95	6.04	1	04/24/2025 19:00	WG2499340
1,1-Dichloroethane	U		0.593	3.02	1	04/24/2025 19:00	WG2499340
1,2-Dichloroethane	U		0.784	3.02	1	04/24/2025 19:00	WG2499340
1,1-Dichloroethene	U		0.732	3.02	1	04/24/2025 19:00	WG2499340
cis-1,2-Dichloroethene	U		0.887	3.02	1	04/24/2025 19:00	WG2499340
trans-1,2-Dichloroethene	U		1.26	6.04	1	04/24/2025 19:00	WG2499340
1,2-Dichloropropane	U		1.72	6.04	1	04/24/2025 19:00	WG2499340
1,1-Dichloropropene	U		0.978	3.02	1	04/24/2025 19:00	WG2499340
1,3-Dichloropropane	U		0.605	6.04	1	04/24/2025 19:00	WG2499340
cis-1,3-Dichloropropene	U		0.915	3.02	1	04/24/2025 19:00	WG2499340
trans-1,3-Dichloropropene	U		1.38	6.04	1	04/24/2025 19:00	WG2499340
2,2-Dichloropropane	U		1.67	3.02	1	04/24/2025 19:00	WG2499340
Di-isopropyl ether	U		0.495	1.21	1	04/24/2025 19:00	WG2499340
Hexachloro-1,3-butadiene	U	J3	7.25	30.2	1	04/24/2025 19:00	WG2499340
Isopropylbenzene	U		0.514	3.02	1	04/24/2025 19:00	WG2499340
p-Isopropyltoluene	U		3.08	6.04	1	04/24/2025 19:00	WG2499340
2-Butanone (MEK)	U	C3	76.7	121	1	04/24/2025 19:00	WG2499340
Methylene Chloride	U		8.02	30.2	1	04/24/2025 19:00	WG2499340
4-Methyl-2-pentanone (MIBK)	U	C3	2.76	30.2	1	04/24/2025 19:00	WG2499340
Methyl tert-butyl ether	U	C3	0.423	1.21	1	04/24/2025 19:00	WG2499340
n-Propylbenzene	U		1.15	6.04	1	04/24/2025 19:00	WG2499340
Styrene	U		0.277	15.1	1	04/24/2025 19:00	WG2499340
1,1,1,2-Tetrachloroethane	U		1.15	3.02	1	04/24/2025 19:00	WG2499340
1,1,2,2-Tetrachloroethane	U	C3	0.840	3.02	1	04/24/2025 19:00	WG2499340
1,1,2-Trichlorotrifluoroethane	U		0.911	3.02	1	04/24/2025 19:00	WG2499340
Tetrachloroethene	U		1.08	3.02	1	04/24/2025 19:00	WG2499340
1,2,3-Trichlorobenzene	U	C3 J3	8.86	15.1	1	04/24/2025 19:00	WG2499340
1,2,4-Trichlorobenzene	U	C3 J3	5.32	15.1	1	04/24/2025 19:00	WG2499340
1,1,1-Trichloroethane	U		1.12	3.02	1	04/24/2025 19:00	WG2499340
1,1,2-Trichloroethane	U		0.721	3.02	1	04/24/2025 19:00	WG2499340
Trichloroethene	U		0.706	1.21	1	04/24/2025 19:00	WG2499340
Trichlorofluoromethane	U		0.999	3.02	1	04/24/2025 19:00	WG2499340
1,2,3-Trichloropropane	U	C3	1.96	15.1	1	04/24/2025 19:00	WG2499340
1,2,3-Trimethylbenzene	U		1.91	6.04	1	04/24/2025 19:00	WG2499340
Vinyl chloride	U		1.40	3.02	1	04/24/2025 19:00	WG2499340
(S) Toluene-d8	104			75.0-131		04/24/2025 19:00	WG2499340
(S) 4-Bromofluorobenzene	97.2			67.0-138		04/24/2025 19:00	WG2499340
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		04/24/2025 19:00	WG2499340

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	36.8	1	04/24/2025 20:59	WG2499161
Benidine	U	C7	69.1	1840	1	04/24/2025 20:59	WG2499161
Benzo(g,h,i)perylene	U		6.72	36.8	1	04/24/2025 20:59	WG2499161
Bis(2-chloroethoxy)methane	U		11.0	368	1	04/24/2025 20:59	WG2499161
Bis(2-chloroethyl)ether	U		12.1	368	1	04/24/2025 20:59	WG2499161
2,2-Oxybis(1-Chloropropane)	U	C3	15.9	368	1	04/24/2025 20:59	WG2499161
4-Bromophenyl-phenylether	U		12.9	368	1	04/24/2025 20:59	WG2499161
2-Chloronaphthalene	U		6.46	36.8	1	04/24/2025 20:59	WG2499161
4-Chlorophenyl-phenylether	U		12.8	368	1	04/24/2025 20:59	WG2499161
1,2-Dichlorobenzene	U		10.9	368	1	04/24/2025 20:59	WG2499161
1,3-Dichlorobenzene	U		11.2	368	1	04/24/2025 20:59	WG2499161
1,4-Dichlorobenzene	U		10.9	368	1	04/24/2025 20:59	WG2499161
3,3-Dichlorobenzidine	U		13.6	368	1	04/24/2025 20:59	WG2499161
2,4-Dinitrotoluene	U		10.5	368	1	04/24/2025 20:59	WG2499161
2,6-Dinitrotoluene	U		12.0	368	1	04/24/2025 20:59	WG2499161
Hexachlorobenzene	U		13.0	368	1	04/24/2025 20:59	WG2499161
Hexachloro-1,3-butadiene	U		12.4	368	1	04/24/2025 20:59	WG2499161
Hexachlorocyclopentadiene	U	C7	19.3	368	1	04/24/2025 20:59	WG2499161
Hexachloroethane	U		14.5	368	1	04/24/2025 20:59	WG2499161
Isophorone	U		11.3	368	1	04/24/2025 20:59	WG2499161
Nitrobenzene	U		12.8	368	1	04/24/2025 20:59	WG2499161
n-Nitrosodimethylamine	U		54.5	368	1	04/24/2025 20:59	WG2499161
n-Nitrosodiphenylamine	U		27.8	368	1	04/24/2025 20:59	WG2499161
n-Nitrosodi-n-propylamine	U		12.3	368	1	04/24/2025 20:59	WG2499161
Phenanthrene	U		7.30	36.8	1	04/24/2025 20:59	WG2499161
Benzylbutyl phthalate	U		11.5	368	1	04/24/2025 20:59	WG2499161
Bis(2-ethylhexyl)phthalate	U		46.6	368	1	04/24/2025 20:59	WG2499161
Di-n-butyl phthalate	U		12.6	368	1	04/24/2025 20:59	WG2499161
Diethyl phthalate	U		12.1	368	1	04/24/2025 20:59	WG2499161
Dimethyl phthalate	U		78.0	368	1	04/24/2025 20:59	WG2499161
Di-n-octyl phthalate	U		24.8	368	1	04/24/2025 20:59	WG2499161
1,2,4-Trichlorobenzene	U		11.5	368	1	04/24/2025 20:59	WG2499161
4-Chloro-3-methylphenol	U		11.9	368	1	04/24/2025 20:59	WG2499161
2-Chlorophenol	U		12.1	368	1	04/24/2025 20:59	WG2499161
2,4-Dichlorophenol	U		10.7	368	1	04/24/2025 20:59	WG2499161
2,4-Dimethylphenol	U		9.61	368	1	04/24/2025 20:59	WG2499161
4,6-Dinitro-2-methylphenol	U		83.4	368	1	04/24/2025 20:59	WG2499161
2,4-Dinitrophenol	U		86.0	368	1	04/24/2025 20:59	WG2499161
2-Nitrophenol	U		13.1	368	1	04/24/2025 20:59	WG2499161
4-Nitrophenol	U		11.5	368	1	04/24/2025 20:59	WG2499161
Pentachlorophenol	U		9.89	368	1	04/24/2025 20:59	WG2499161
Phenol	U		14.8	368	1	04/24/2025 20:59	WG2499161
2,4,6-Trichlorophenol	U		11.8	368	1	04/24/2025 20:59	WG2499161
(S) 2-Fluorophenol	60.2			12.0-120		04/24/2025 20:59	WG2499161
(S) Phenol-d5	57.4			10.0-120		04/24/2025 20:59	WG2499161
(S) Nitrobenzene-d5	58.8			10.0-122		04/24/2025 20:59	WG2499161
(S) 2-Fluorobiphenyl	61.9			15.0-120		04/24/2025 20:59	WG2499161
(S) 2,4,6-Tribromophenol	93.3			10.0-127		04/24/2025 20:59	WG2499161
(S) p-Terphenyl-d14	65.6			10.0-120		04/24/2025 20:59	WG2499161

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1400000		625	20600	1	04/25/2025 17:23	WG2499181

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.0		1	04/24/2025 14:41	WG2499093

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	U		7410	10300	1	04/24/2025 22:38	WG2499240

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1390000		78300	103000	5	04/25/2025 17:23	WG2499264

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	6350	J	625	20600	1	04/24/2025 18:51	WG2499181

Wet Chemistry by Method WALKLEY-BLACK

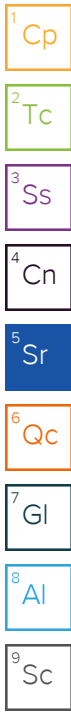
Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	14500000		128000	500000	5	04/25/2025 22:32	WG2499356

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	3540000		6270	20600	1	04/24/2025 20:06	WG2499146
Antimony	U		712	2060	1	04/24/2025 20:06	WG2499146
Beryllium	361		49.2	206	1	04/24/2025 20:06	WG2499146
Calcium	2370000		19600	103000	1	04/24/2025 20:06	WG2499146
Cobalt	3130		182	1030	1	04/24/2025 20:06	WG2499146
Iron	7310000		2310	10300	1	04/24/2025 20:06	WG2499146
Magnesium	1500000		20500	103000	1	04/24/2025 20:06	WG2499146
Manganese	228000		178	1030	1	04/24/2025 20:06	WG2499146
Potassium	1330000		21500	103000	1	04/24/2025 20:06	WG2499146
Sodium	61300	J	42500	103000	1	04/24/2025 20:06	WG2499146
Thallium	U		534	2060	1	04/24/2025 20:06	WG2499146
Vanadium	12800		395	2060	1	04/24/2025 20:06	WG2499146

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	U	C3	38.7	53.1	1	04/24/2025 19:19	WG2499340
Acrylonitrile	U	C3	3.83	13.3	1	04/24/2025 19:19	WG2499340
Bromobenzene	U		0.955	13.3	1	04/24/2025 19:19	WG2499340
Bromodichloromethane	U		0.769	2.65	1	04/24/2025 19:19	WG2499340
Bromoform	U		1.24	26.5	1	04/24/2025 19:19	WG2499340
Bromomethane	U		2.09	13.3	1	04/24/2025 19:19	WG2499340



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		5.57	13.3	1	04/24/2025 19:19	WG2499340
sec-Butylbenzene	U		3.06	13.3	1	04/24/2025 19:19	WG2499340
tert-Butylbenzene	U		2.07	5.31	1	04/24/2025 19:19	WG2499340
Carbon tetrachloride	U		0.953	5.31	1	04/24/2025 19:19	WG2499340
Chlorobenzene	U		0.223	2.65	1	04/24/2025 19:19	WG2499340
Chlorodibromomethane	U		0.649	2.65	1	04/24/2025 19:19	WG2499340
Chloroethane	U	C3	1.80	5.31	1	04/24/2025 19:19	WG2499340
Chloroform	U		1.09	2.65	1	04/24/2025 19:19	WG2499340
Chloromethane	U	C3	4.62	13.3	1	04/24/2025 19:19	WG2499340
2-Chlorotoluene	U		0.918	2.65	1	04/24/2025 19:19	WG2499340
4-Chlorotoluene	U		0.478	5.31	1	04/24/2025 19:19	WG2499340
1,2-Dibromo-3-Chloropropane	U	C3 J4	4.14	26.5	1	04/24/2025 19:19	WG2499340
1,2-Dibromoethane	U		0.688	2.65	1	04/24/2025 19:19	WG2499340
Dibromomethane	U		0.796	5.31	1	04/24/2025 19:19	WG2499340
1,2-Dichlorobenzene	U		0.451	5.31	1	04/24/2025 19:19	WG2499340
1,3-Dichlorobenzene	U		0.637	5.31	1	04/24/2025 19:19	WG2499340
1,4-Dichlorobenzene	U		0.743	5.31	1	04/24/2025 19:19	WG2499340
Dichlorodifluoromethane	U		1.71	5.31	1	04/24/2025 19:19	WG2499340
1,1-Dichloroethane	U		0.521	2.65	1	04/24/2025 19:19	WG2499340
1,2-Dichloroethane	U		0.689	2.65	1	04/24/2025 19:19	WG2499340
1,1-Dichloroethene	U		0.643	2.65	1	04/24/2025 19:19	WG2499340
cis-1,2-Dichloroethene	U		0.779	2.65	1	04/24/2025 19:19	WG2499340
trans-1,2-Dichloroethene	U		1.10	5.31	1	04/24/2025 19:19	WG2499340
1,2-Dichloropropane	U		1.51	5.31	1	04/24/2025 19:19	WG2499340
1,1-Dichloropropene	U		0.858	2.65	1	04/24/2025 19:19	WG2499340
1,3-Dichloropropane	U		0.532	5.31	1	04/24/2025 19:19	WG2499340
cis-1,3-Dichloropropene	U		0.803	2.65	1	04/24/2025 19:19	WG2499340
trans-1,3-Dichloropropene	U		1.21	5.31	1	04/24/2025 19:19	WG2499340
2,2-Dichloropropane	U		1.46	2.65	1	04/24/2025 19:19	WG2499340
Di-isopropyl ether	U		0.435	1.06	1	04/24/2025 19:19	WG2499340
Hexachloro-1,3-butadiene	U	J3	6.37	26.5	1	04/24/2025 19:19	WG2499340
Isopropylbenzene	U		0.451	2.65	1	04/24/2025 19:19	WG2499340
p-Isopropyltoluene	U		2.71	5.31	1	04/24/2025 19:19	WG2499340
2-Butanone (MEK)	U	C3	67.4	106	1	04/24/2025 19:19	WG2499340
Methylene Chloride	U		7.05	26.5	1	04/24/2025 19:19	WG2499340
4-Methyl-2-pentanone (MIBK)	U	C3	2.42	26.5	1	04/24/2025 19:19	WG2499340
Methyl tert-butyl ether	U	C3	0.371	1.06	1	04/24/2025 19:19	WG2499340
n-Propylbenzene	U		1.01	5.31	1	04/24/2025 19:19	WG2499340
Styrene	U		0.243	13.3	1	04/24/2025 19:19	WG2499340
1,1,1,2-Tetrachloroethane	U		1.01	2.65	1	04/24/2025 19:19	WG2499340
1,1,2,2-Tetrachloroethane	U	C3	0.738	2.65	1	04/24/2025 19:19	WG2499340
1,1,2-Trichlorotrifluoroethane	U		0.800	2.65	1	04/24/2025 19:19	WG2499340
Tetrachloroethene	U		0.951	2.65	1	04/24/2025 19:19	WG2499340
1,2,3-Trichlorobenzene	U	C3 J3	7.78	13.3	1	04/24/2025 19:19	WG2499340
1,2,4-Trichlorobenzene	U	C3 J3	4.67	13.3	1	04/24/2025 19:19	WG2499340
1,1,1-Trichloroethane	U		0.979	2.65	1	04/24/2025 19:19	WG2499340
1,1,2-Trichloroethane	U		0.634	2.65	1	04/24/2025 19:19	WG2499340
Trichloroethene	U		0.620	1.06	1	04/24/2025 19:19	WG2499340
Trichlorofluoromethane	U		0.878	2.65	1	04/24/2025 19:19	WG2499340
1,2,3-Trichloropropane	U	C3	1.72	13.3	1	04/24/2025 19:19	WG2499340
1,2,3-Trimethylbenzene	U		1.68	5.31	1	04/24/2025 19:19	WG2499340
Vinyl chloride	U		1.23	2.65	1	04/24/2025 19:19	WG2499340
(S) Toluene-d8	105			75.0-131		04/24/2025 19:19	WG2499340
(S) 4-Bromofluorobenzene	101			67.0-138		04/24/2025 19:19	WG2499340
(S) 1,2-Dichloroethane-d4	99.1			70.0-130		04/24/2025 19:19	WG2499340

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		4.83	34.3	1	04/24/2025 21:20	WG2499161
Benzidine	U	C7	64.5	1720	1	04/24/2025 21:20	WG2499161
Benzo(g,h,i)perylene	U		6.28	34.3	1	04/24/2025 21:20	WG2499161
Bis(2-chloroethoxy)methane	U		10.3	343	1	04/24/2025 21:20	WG2499161
Bis(2-chloroethyl)ether	U		11.3	343	1	04/24/2025 21:20	WG2499161
2,2-Oxybis(1-Chloropropane)	U	C3	14.8	343	1	04/24/2025 21:20	WG2499161
4-Bromophenyl-phenylether	U		12.1	343	1	04/24/2025 21:20	WG2499161
2-Chloronaphthalene	U		6.03	34.3	1	04/24/2025 21:20	WG2499161
4-Chlorophenyl-phenylether	U		12.0	343	1	04/24/2025 21:20	WG2499161
1,2-Dichlorobenzene	U		10.2	343	1	04/24/2025 21:20	WG2499161
1,3-Dichlorobenzene	U		10.4	343	1	04/24/2025 21:20	WG2499161
1,4-Dichlorobenzene	U		10.2	343	1	04/24/2025 21:20	WG2499161
3,3-Dichlorobenzidine	U		12.7	343	1	04/24/2025 21:20	WG2499161
2,4-Dinitrotoluene	U		9.84	343	1	04/24/2025 21:20	WG2499161
2,6-Dinitrotoluene	U		11.2	343	1	04/24/2025 21:20	WG2499161
Hexachlorobenzene	U		12.2	343	1	04/24/2025 21:20	WG2499161
Hexachloro-1,3-butadiene	U		11.5	343	1	04/24/2025 21:20	WG2499161
Hexachlorocyclopentadiene	U	C7	18.0	343	1	04/24/2025 21:20	WG2499161
Hexachloroethane	U		13.5	343	1	04/24/2025 21:20	WG2499161
Isophorone	U		10.5	343	1	04/24/2025 21:20	WG2499161
Nitrobenzene	U		12.0	343	1	04/24/2025 21:20	WG2499161
n-Nitrosodimethylamine	U		50.9	343	1	04/24/2025 21:20	WG2499161
n-Nitrosodiphenylamine	U		26.0	343	1	04/24/2025 21:20	WG2499161
n-Nitrosodi-n-propylamine	U		11.4	343	1	04/24/2025 21:20	WG2499161
Phenanthrene	U		6.81	34.3	1	04/24/2025 21:20	WG2499161
Benzylbutyl phthalate	U		10.7	343	1	04/24/2025 21:20	WG2499161
Bis(2-ethylhexyl)phthalate	U		43.5	343	1	04/24/2025 21:20	WG2499161
Di-n-butyl phthalate	U		11.7	343	1	04/24/2025 21:20	WG2499161
Diethyl phthalate	U		11.3	343	1	04/24/2025 21:20	WG2499161
Dimethyl phthalate	U		72.8	343	1	04/24/2025 21:20	WG2499161
Di-n-octyl phthalate	U		23.2	343	1	04/24/2025 21:20	WG2499161
1,2,4-Trichlorobenzene	U		10.7	343	1	04/24/2025 21:20	WG2499161
4-Chloro-3-methylphenol	U		11.1	343	1	04/24/2025 21:20	WG2499161
2-Chlorophenol	U		11.3	343	1	04/24/2025 21:20	WG2499161
2,4-Dichlorophenol	U		10.0	343	1	04/24/2025 21:20	WG2499161
2,4-Dimethylphenol	U		8.97	343	1	04/24/2025 21:20	WG2499161
4,6-Dinitro-2-methylphenol	U		77.8	343	1	04/24/2025 21:20	WG2499161
2,4-Dinitrophenol	U		80.3	343	1	04/24/2025 21:20	WG2499161
2-Nitrophenol	U		12.3	343	1	04/24/2025 21:20	WG2499161
4-Nitrophenol	U		10.7	343	1	04/24/2025 21:20	WG2499161
Pentachlorophenol	U		9.23	343	1	04/24/2025 21:20	WG2499161
Phenol	U		13.8	343	1	04/24/2025 21:20	WG2499161
2,4,6-Trichlorophenol	U		11.0	343	1	04/24/2025 21:20	WG2499161
(S) 2-Fluorophenol	55.1			12.0-120		04/24/2025 21:20	WG2499161
(S) Phenol-d5	50.3			10.0-120		04/24/2025 21:20	WG2499161
(S) Nitrobenzene-d5	52.7			10.0-122		04/24/2025 21:20	WG2499161
(S) 2-Fluorobiphenyl	56.2			15.0-120		04/24/2025 21:20	WG2499161
(S) 2,4,6-Tribromophenol	82.9			10.0-127		04/24/2025 21:20	WG2499161
(S) p-Terphenyl-d14	60.1			10.0-120		04/24/2025 21:20	WG2499161

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1800000		630	20800	1	04/25/2025 17:28	WG2499181

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.2		1	04/24/2025 14:41	WG2499093

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	U		7470	10400	1	04/24/2025 22:42	WG2499240

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1790000		79000	104000	5	04/25/2025 17:28	WG2499264

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	17200	J	630	20800	1	04/24/2025 19:04	WG2499181

Wet Chemistry by Method WALKLEY-BLACK

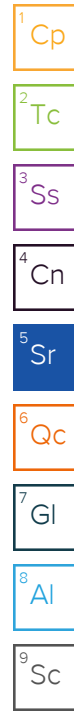
Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	22700000		128000	500000	5	04/25/2025 22:32	WG2499356

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	3660000		6320	20800	1	04/24/2025 20:08	WG2499146
Antimony	U		718	2080	1	04/24/2025 20:08	WG2499146
Beryllium	362		49.6	208	1	04/24/2025 20:08	WG2499146
Calcium	9210000		19800	104000	1	04/24/2025 20:08	WG2499146
Cobalt	2940		184	1040	1	04/24/2025 20:08	WG2499146
Iron	6070000		2330	10400	1	04/24/2025 20:08	WG2499146
Magnesium	1980000		20700	104000	1	04/24/2025 20:08	WG2499146
Manganese	191000		180	1040	1	04/24/2025 20:08	WG2499146
Potassium	1460000		21700	104000	1	04/24/2025 20:08	WG2499146
Sodium	73600	J	42800	104000	1	04/24/2025 20:08	WG2499146
Thallium	U		538	2080	1	04/24/2025 20:08	WG2499146
Vanadium	14400		398	2080	1	04/24/2025 20:08	WG2499146

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	U	C3	39.4	54.0	1	04/24/2025 19:38	WG2499340
Acrylonitrile	U	C3	3.90	13.5	1	04/24/2025 19:38	WG2499340
Bromobenzene	U		0.971	13.5	1	04/24/2025 19:38	WG2499340
Bromodichloromethane	U		0.782	2.70	1	04/24/2025 19:38	WG2499340
Bromoform	U		1.26	27.0	1	04/24/2025 19:38	WG2499340
Bromomethane	U		2.13	13.5	1	04/24/2025 19:38	WG2499340



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		5.66	13.5	1	04/24/2025 19:38	WG2499340
sec-Butylbenzene	U		3.11	13.5	1	04/24/2025 19:38	WG2499340
tert-Butylbenzene	U		2.10	5.40	1	04/24/2025 19:38	WG2499340
Carbon tetrachloride	U		0.969	5.40	1	04/24/2025 19:38	WG2499340
Chlorobenzene	U		0.227	2.70	1	04/24/2025 19:38	WG2499340
Chlorodibromomethane	U		0.660	2.70	1	04/24/2025 19:38	WG2499340
Chloroethane	U	C3	1.83	5.40	1	04/24/2025 19:38	WG2499340
Chloroform	U		1.11	2.70	1	04/24/2025 19:38	WG2499340
Chloromethane	U	C3	4.69	13.5	1	04/24/2025 19:38	WG2499340
2-Chlorotoluene	U		0.933	2.70	1	04/24/2025 19:38	WG2499340
4-Chlorotoluene	U		0.486	5.40	1	04/24/2025 19:38	WG2499340
1,2-Dibromo-3-Chloropropane	U	C3 J4	4.21	27.0	1	04/24/2025 19:38	WG2499340
1,2-Dibromoethane	U		0.699	2.70	1	04/24/2025 19:38	WG2499340
Dibromomethane	U		0.809	5.40	1	04/24/2025 19:38	WG2499340
1,2-Dichlorobenzene	U		0.459	5.40	1	04/24/2025 19:38	WG2499340
1,3-Dichlorobenzene	U		0.647	5.40	1	04/24/2025 19:38	WG2499340
1,4-Dichlorobenzene	U		0.755	5.40	1	04/24/2025 19:38	WG2499340
Dichlorodifluoromethane	U		1.74	5.40	1	04/24/2025 19:38	WG2499340
1,1-Dichloroethane	U		0.530	2.70	1	04/24/2025 19:38	WG2499340
1,2-Dichloroethane	U		0.700	2.70	1	04/24/2025 19:38	WG2499340
1,1-Dichloroethene	U		0.654	2.70	1	04/24/2025 19:38	WG2499340
cis-1,2-Dichloroethene	U		0.792	2.70	1	04/24/2025 19:38	WG2499340
trans-1,2-Dichloroethene	U		1.12	5.40	1	04/24/2025 19:38	WG2499340
1,2-Dichloropropane	U		1.53	5.40	1	04/24/2025 19:38	WG2499340
1,1-Dichloropropene	U		0.873	2.70	1	04/24/2025 19:38	WG2499340
1,3-Dichloropropane	U		0.541	5.40	1	04/24/2025 19:38	WG2499340
cis-1,3-Dichloropropene	U		0.817	2.70	1	04/24/2025 19:38	WG2499340
trans-1,3-Dichloropropene	U		1.23	5.40	1	04/24/2025 19:38	WG2499340
2,2-Dichloropropane	U		1.49	2.70	1	04/24/2025 19:38	WG2499340
Di-isopropyl ether	U		0.442	1.08	1	04/24/2025 19:38	WG2499340
Hexachloro-1,3-butadiene	U	J3	6.47	27.0	1	04/24/2025 19:38	WG2499340
Isopropylbenzene	U		0.459	2.70	1	04/24/2025 19:38	WG2499340
p-Isopropyltoluene	U		2.75	5.40	1	04/24/2025 19:38	WG2499340
2-Butanone (MEK)	U	C3	68.5	108	1	04/24/2025 19:38	WG2499340
Methylene Chloride	U		7.16	27.0	1	04/24/2025 19:38	WG2499340
4-Methyl-2-pentanone (MIBK)	U	C3	2.46	27.0	1	04/24/2025 19:38	WG2499340
Methyl tert-butyl ether	U	C3	0.378	1.08	1	04/24/2025 19:38	WG2499340
n-Propylbenzene	U		1.03	5.40	1	04/24/2025 19:38	WG2499340
Styrene	U		0.247	13.5	1	04/24/2025 19:38	WG2499340
1,1,1,2-Tetrachloroethane	U		1.02	2.70	1	04/24/2025 19:38	WG2499340
1,1,2,2-Tetrachloroethane	U	C3	0.750	2.70	1	04/24/2025 19:38	WG2499340
1,1,2-Trichlorotrifluoroethane	U		0.814	2.70	1	04/24/2025 19:38	WG2499340
Tetrachloroethene	U		0.967	2.70	1	04/24/2025 19:38	WG2499340
1,2,3-Trichlorobenzene	U	C3 J3	7.91	13.5	1	04/24/2025 19:38	WG2499340
1,2,4-Trichlorobenzene	U	C3 J3	4.75	13.5	1	04/24/2025 19:38	WG2499340
1,1,1-Trichloroethane	U		0.996	2.70	1	04/24/2025 19:38	WG2499340
1,1,2-Trichloroethane	U		0.644	2.70	1	04/24/2025 19:38	WG2499340
Trichloroethene	U		0.630	1.08	1	04/24/2025 19:38	WG2499340
Trichlorofluoromethane	U		0.892	2.70	1	04/24/2025 19:38	WG2499340
1,2,3-Trichloropropane	U	C3	1.75	13.5	1	04/24/2025 19:38	WG2499340
1,2,3-Trimethylbenzene	U		1.70	5.40	1	04/24/2025 19:38	WG2499340
Vinyl chloride	U		1.25	2.70	1	04/24/2025 19:38	WG2499340
(S) Toluene-d8	106			75.0-131		04/24/2025 19:38	WG2499340
(S) 4-Bromofluorobenzene	100			67.0-138		04/24/2025 19:38	WG2499340
(S) 1,2-Dichloroethane-d4	99.2			70.0-130		04/24/2025 19:38	WG2499340

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		9.75	69.2	2	04/25/2025 01:25	WG2499161
Benzidine	U	C7	130	3470	2	04/25/2025 01:25	WG2499161
Benzo(g,h,i)perylene	U		12.7	69.2	2	04/25/2025 01:25	WG2499161
Bis(2-chloroethoxy)methane	U		20.8	692	2	04/25/2025 01:25	WG2499161
Bis(2-chloroethyl)ether	U		22.9	692	2	04/25/2025 01:25	WG2499161
2,2-Oxybis(1-Chloropropane)	U	C3	29.9	692	2	04/25/2025 01:25	WG2499161
4-Bromophenyl-phenylether	U		24.3	692	2	04/25/2025 01:25	WG2499161
2-Chloronaphthalene	U		12.2	69.2	2	04/25/2025 01:25	WG2499161
4-Chlorophenyl-phenylether	U		24.1	692	2	04/25/2025 01:25	WG2499161
1,2-Dichlorobenzene	U		20.5	692	2	04/25/2025 01:25	WG2499161
1,3-Dichlorobenzene	U		21.0	692	2	04/25/2025 01:25	WG2499161
1,4-Dichlorobenzene	U		20.6	692	2	04/25/2025 01:25	WG2499161
3,3-Dichlorobenzidine	U		25.6	692	2	04/25/2025 01:25	WG2499161
2,4-Dinitrotoluene	U		19.9	692	2	04/25/2025 01:25	WG2499161
2,6-Dinitrotoluene	U		22.7	692	2	04/25/2025 01:25	WG2499161
Hexachlorobenzene	U		24.5	692	2	04/25/2025 01:25	WG2499161
Hexachloro-1,3-butadiene	U		23.3	692	2	04/25/2025 01:25	WG2499161
Hexachlorocyclopentadiene	U	C7	36.4	692	2	04/25/2025 01:25	WG2499161
Hexachloroethane	U		27.2	692	2	04/25/2025 01:25	WG2499161
Isophorone	U		21.2	692	2	04/25/2025 01:25	WG2499161
Nitrobenzene	U		24.1	692	2	04/25/2025 01:25	WG2499161
n-Nitrosodimethylamine	U		103	692	2	04/25/2025 01:25	WG2499161
n-Nitrosodiphenylamine	U		52.4	692	2	04/25/2025 01:25	WG2499161
n-Nitrosodi-n-propylamine	U		23.1	692	2	04/25/2025 01:25	WG2499161
Phenanthrene	U		13.7	69.2	2	04/25/2025 01:25	WG2499161
Benzylbutyl phthalate	U		21.6	692	2	04/25/2025 01:25	WG2499161
Bis(2-ethylhexyl)phthalate	U		87.7	692	2	04/25/2025 01:25	WG2499161
Di-n-butyl phthalate	U		23.7	692	2	04/25/2025 01:25	WG2499161
Diethyl phthalate	U		22.9	692	2	04/25/2025 01:25	WG2499161
Dimethyl phthalate	U		147	692	2	04/25/2025 01:25	WG2499161
Di-n-octyl phthalate	U		46.8	692	2	04/25/2025 01:25	WG2499161
1,2,4-Trichlorobenzene	U		21.6	692	2	04/25/2025 01:25	WG2499161
4-Chloro-3-methylphenol	U		22.5	692	2	04/25/2025 01:25	WG2499161
2-Chlorophenol	U		22.9	692	2	04/25/2025 01:25	WG2499161
2,4-Dichlorophenol	U		20.2	692	2	04/25/2025 01:25	WG2499161
2,4-Dimethylphenol	U		18.1	692	2	04/25/2025 01:25	WG2499161
4,6-Dinitro-2-methylphenol	U		157	692	2	04/25/2025 01:25	WG2499161
2,4-Dinitrophenol	U		162	692	2	04/25/2025 01:25	WG2499161
2-Nitrophenol	U		24.7	692	2	04/25/2025 01:25	WG2499161
4-Nitrophenol	U		21.6	692	2	04/25/2025 01:25	WG2499161
Pentachlorophenol	U		18.6	692	2	04/25/2025 01:25	WG2499161
Phenol	U		27.9	692	2	04/25/2025 01:25	WG2499161
2,4,6-Trichlorophenol	U		22.2	692	2	04/25/2025 01:25	WG2499161
(S) 2-Fluorophenol	56.6			12.0-120		04/25/2025 01:25	WG2499161
(S) Phenol-d5	54.4			10.0-120		04/25/2025 01:25	WG2499161
(S) Nitrobenzene-d5	54.1			10.0-122		04/25/2025 01:25	WG2499161
(S) 2-Fluorobiphenyl	58.0			15.0-120		04/25/2025 01:25	WG2499161
(S) 2,4,6-Tribromophenol	93.0			10.0-127		04/25/2025 01:25	WG2499161
(S) p-Terphenyl-d14	68.5			10.0-120		04/25/2025 01:25	WG2499161

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1851263-05 WG2499161: Dilution due to matrix impact during extraction procedure

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	C3	11.3	50.0	1	04/24/2025 15:33	WG2499120
Acrolein	U	J4	2.54	50.0	1	04/24/2025 15:33	WG2499120
Acrylonitrile	U		0.671	10.0	1	04/24/2025 15:33	WG2499120
Benzene	U		0.0941	1.00	1	04/24/2025 15:33	WG2499120
Bromobenzene	U		0.118	1.00	1	04/24/2025 15:33	WG2499120
Bromodichloromethane	U		0.136	1.00	1	04/24/2025 15:33	WG2499120
Bromoform	U		0.129	1.00	1	04/24/2025 15:33	WG2499120
Bromomethane	U	C3	0.605	5.00	1	04/24/2025 15:33	WG2499120
n-Butylbenzene	U		0.157	1.00	1	04/24/2025 15:33	WG2499120
sec-Butylbenzene	U		0.125	1.00	1	04/24/2025 15:33	WG2499120
tert-Butylbenzene	U		0.127	1.00	1	04/24/2025 15:33	WG2499120
Carbon tetrachloride	U		0.128	1.00	1	04/24/2025 15:33	WG2499120
Chlorobenzene	U		0.116	1.00	1	04/24/2025 15:33	WG2499120
Chlorodibromomethane	U		0.140	1.00	1	04/24/2025 15:33	WG2499120
Chloroethane	U	C3	0.192	5.00	1	04/24/2025 15:33	WG2499120
Chloroform	U		0.111	5.00	1	04/24/2025 15:33	WG2499120
Chloromethane	U		0.960	2.50	1	04/24/2025 15:33	WG2499120
2-Chlorotoluene	U		0.106	1.00	1	04/24/2025 15:33	WG2499120
4-Chlorotoluene	U		0.114	1.00	1	04/24/2025 15:33	WG2499120
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	04/24/2025 15:33	WG2499120
1,2-Dibromoethane	U		0.126	1.00	1	04/24/2025 15:33	WG2499120
Dibromomethane	U		0.122	1.00	1	04/24/2025 15:33	WG2499120
1,2-Dichlorobenzene	U		0.107	1.00	1	04/24/2025 15:33	WG2499120
1,3-Dichlorobenzene	U		0.110	1.00	1	04/24/2025 15:33	WG2499120
1,4-Dichlorobenzene	U		0.120	1.00	1	04/24/2025 15:33	WG2499120
Dichlorodifluoromethane	U		0.374	5.00	1	04/24/2025 15:33	WG2499120
1,1-Dichloroethane	U		0.100	1.00	1	04/24/2025 15:33	WG2499120
1,2-Dichloroethane	U		0.0819	1.00	1	04/24/2025 15:33	WG2499120
1,1-Dichloroethene	U		0.188	1.00	1	04/24/2025 15:33	WG2499120
cis-1,2-Dichloroethene	U		0.126	1.00	1	04/24/2025 15:33	WG2499120
trans-1,2-Dichloroethene	U		0.149	1.00	1	04/24/2025 15:33	WG2499120
1,2-Dichloropropane	U		0.149	1.00	1	04/24/2025 15:33	WG2499120
1,1-Dichloropropene	U		0.142	1.00	1	04/24/2025 15:33	WG2499120
1,3-Dichloropropane	U		0.110	1.00	1	04/24/2025 15:33	WG2499120
cis-1,3-Dichloropropene	U		0.111	1.00	1	04/24/2025 15:33	WG2499120
trans-1,3-Dichloropropene	U		0.118	1.00	1	04/24/2025 15:33	WG2499120
2,2-Dichloropropane	U	C3	0.161	1.00	1	04/24/2025 15:33	WG2499120
Di-isopropyl ether	U		0.105	1.00	1	04/24/2025 15:33	WG2499120
Ethylbenzene	U		0.137	1.00	1	04/24/2025 15:33	WG2499120
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/24/2025 15:33	WG2499120
Isopropylbenzene	U		0.105	1.00	1	04/24/2025 15:33	WG2499120
p-Isopropyltoluene	U		0.120	1.00	1	04/24/2025 15:33	WG2499120
2-Butanone (MEK)	U		1.19	10.0	1	04/24/2025 15:33	WG2499120
Methylene Chloride	U		0.430	5.00	1	04/24/2025 15:33	WG2499120
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	04/24/2025 15:33	WG2499120
Methyl tert-butyl ether	U		0.101	1.00	1	04/24/2025 15:33	WG2499120
Naphthalene	U		1.00	5.00	1	04/24/2025 15:33	WG2499120
n-Propylbenzene	U		0.0993	1.00	1	04/24/2025 15:33	WG2499120
Styrene	U		0.118	1.00	1	04/24/2025 15:33	WG2499120
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	04/24/2025 15:33	WG2499120
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	04/24/2025 15:33	WG2499120
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	04/24/2025 15:33	WG2499120
Tetrachloroethene	U		0.300	1.00	1	04/24/2025 15:33	WG2499120
Toluene	U		0.278	1.00	1	04/24/2025 15:33	WG2499120
1,2,3-Trichlorobenzene	U		0.230	1.00	1	04/24/2025 15:33	WG2499120
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/24/2025 15:33	WG2499120

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.149	1.00	1	04/24/2025 15:33	WG2499120
1,1,2-Trichloroethane	U		0.158	1.00	1	04/24/2025 15:33	WG2499120
Trichloroethene	U		0.190	1.00	1	04/24/2025 15:33	WG2499120
Trichlorofluoromethane	U		0.160	5.00	1	04/24/2025 15:33	WG2499120
1,2,3-Trichloropropane	U		0.237	2.50	1	04/24/2025 15:33	WG2499120
1,2,4-Trimethylbenzene	U		0.322	1.00	1	04/24/2025 15:33	WG2499120
1,2,3-Trimethylbenzene	U		0.104	1.00	1	04/24/2025 15:33	WG2499120
1,3,5-Trimethylbenzene	U		0.104	1.00	1	04/24/2025 15:33	WG2499120
Vinyl chloride	U		0.234	1.00	1	04/24/2025 15:33	WG2499120
Xylenes, Total	U		0.174	3.00	1	04/24/2025 15:33	WG2499120
(S) Toluene-d8	120			80.0-120		04/24/2025 15:33	WG2499120
(S) 4-Bromofluorobenzene	91.8			77.0-126		04/24/2025 15:33	WG2499120
(S) 1,2-Dichloroethane-d4	93.1			70.0-130		04/24/2025 15:33	WG2499120

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4204854-1 04/24/25 14:41

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

1 Cp

2 Tc

3 Ss

L1851263-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1851263-01 04/24/25 14:41 • (DUP) R4204854-3 04/24/25 14:41

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	94.7	94.8	1	0.0683		10

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R4204854-2 04/24/25 14:41

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

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4204793-1 04/24/25 22:27

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ammonia Nitrogen	U		7190	10000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1851263-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1851263-02 04/24/25 22:33 • (DUP) R4204793-7 04/24/25 22:34

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

L1851263-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1851263-03 04/24/25 22:36 • (DUP) R4204793-8 04/24/25 22:37

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

Laboratory Control Sample (LCS)

(LCS) R4204793-2 04/24/25 22:28

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	250000	273000	109	90.0-110	

L1851263-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851263-01 04/24/25 22:29 • (MS) R4204793-5 04/24/25 22:31 • (MSD) R4204793-6 04/24/25 22:32

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	528000	U	279000	284000	52.8	53.8	1	90.0-110	J6	J6	1.72	20

Method Blank (MB)

(MB) R4205325-1 04/25/25 16:02

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1851263-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1851263-04 04/25/25 17:23 • (DUP) R4205325-8 04/25/25 17:24

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Kjeldahl Nitrogen, TKN	1390000	1310000	5	5.71		20

L1851274-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1851274-04 04/25/25 17:33 • (DUP) R4205325-9 04/25/25 17:34

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Kjeldahl Nitrogen, TKN	1150000	1070000	5	7.22		20

Laboratory Control Sample (LCS)

(LCS) R4205325-2 04/25/25 16:03

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Kjeldahl Nitrogen, TKN	240000	225000	93.8	81.7-124	

L1851263-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851263-01 04/25/25 17:15 • (MS) R4205325-5 04/25/25 17:16 • (MSD) R4205325-6 04/25/25 17:17

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Kjeldahl Nitrogen, TKN	422000	1180000	1680000	1470000	118	66.7	5	81.7-124		J6	13.8	20

Method Blank (MB)

(MB) R4206551-1 04/28/25 16:30

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1850922-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1850922-07 04/28/25 19:09 • (DUP) R4206551-5 04/28/25 19:10

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Kjeldahl Nitrogen, TKN	2790000	2880000	10	3.12		20

L1850922-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1850922-09 04/28/25 19:14 • (DUP) R4206551-7 04/28/25 19:16

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Kjeldahl Nitrogen, TKN	2820000	2660000	10	5.82		20

Laboratory Control Sample (LCS)

(LCS) R4206551-2 04/28/25 16:31

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Kjeldahl Nitrogen, TKN	294000	299000	102	81.7-124	

L1850899-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1850899-02 04/28/25 16:34 • (MS) R4206551-3 04/28/25 16:35 • (MSD) R4206551-4 04/28/25 16:36

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Kjeldahl Nitrogen, TKN	491000	227000	510000	486000	57.7	52.8	1	81.7-124	<u>J6</u>	<u>J6</u>	4.83	20

L1850922-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1850922-08 04/28/25 19:12 • (MS) R4206551-6 04/28/25 19:13

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Kjeldahl Nitrogen, TKN	452000	3030000	3210000	39.6	10	81.7-124	<u>V</u>

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4204842-1 04/24/25 17:41

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Nitrate-Nitrite	U		606	20000

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4204842-2 04/24/25 17:54

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Nitrate-Nitrite	40000	39400	98.6	80.0-120	

4 Cn

5 Sr

L1851274-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851274-02 04/24/25 19:31 • (MS) R4204842-3 04/24/25 19:45 • (MSD) R4204842-4 04/24/25 19:58

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	41700	9690	56600	54200	112	107	1.03	80.0-120			4.17	15

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4205412-1 04/25/25 22:27

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1851263-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1851263-01 04/25/25 22:30 • (DUP) R4205412-3 04/25/25 22:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC By Walkley Black	16800000	15900000	5	5.62		20

L1851263-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1851263-04 04/25/25 22:32 • (DUP) R4205412-4 04/25/25 22:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC By Walkley Black	14500000	16300000	5	11.5		20

Laboratory Control Sample (LCS)

(LCS) R4205412-2 04/25/25 22:29

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC By Walkley Black	3230000	4110000	127	75.0-144	

L1851344-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851344-08 04/25/25 22:35 • (MS) R4205412-5 04/25/25 22:35 • (MSD) R4205412-6 04/25/25 22:35

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC By Walkley Black	4000000	2290000	6850000	6740000	114	111	1	80.0-120			1.59	20

Method Blank (MB)

(MB) R4204767-7 04/24/25 19:45

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/kg		ug/kg	ug/kg
Aluminum	U		6080	20000
Antimony	U		691	2000
Beryllium	U		47.7	200
Calcium	U		19000	100000
Cobalt	U		177	1000
Iron	2530	J	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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4204767-8 04/24/25 19:47

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/kg	ug/kg	%	%	
Aluminum	1000000	916000	91.6	80.0-120	
Antimony	100000	91300	91.3	80.0-120	
Beryllium	100000	90300	90.3	80.0-120	
Calcium	1000000	893000	89.3	80.0-120	
Cobalt	100000	86000	86.0	80.0-120	
Iron	1000000	895000	89.5	80.0-120	
Magnesium	1000000	923000	92.3	80.0-120	
Manganese	100000	91000	91.0	80.0-120	
Potassium	1000000	900000	90.0	80.0-120	
Sodium	1000000	928000	92.8	80.0-120	
Thallium	100000	92800	92.8	80.0-120	
Vanadium	100000	88700	88.7	80.0-120	

L1851274-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851274-03 04/24/25 19:49 • (MS) R4204767-11 04/24/25 19:54 • (MSD) R4204767-12 04/24/25 19:56

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/kg	ug/kg	ug/kg	ug/kg	%	%		%			%	%
Aluminum	1070000	2700000	5380000	6600000	250	365	1	75.0-125	J5	J3 J5	20.5	20
Antimony	107000	U	89100	82100	83.2	76.6	1	75.0-125			8.26	20

L1851274-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851274-03 04/24/25 19:49 • (MS) R4204767-11 04/24/25 19:54 • (MSD) R4204767-12 04/24/25 19:56

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Beryllium	107000	331	107000	105000	99.5	97.5	1	75.0-125			2.09	20
Calcium	1070000	1810000	2970000	3440000	108	153	1	75.0-125		J5	14.9	20
Cobalt	107000	2600	109000	108000	99.2	98.5	1	75.0-125			0.687	20
Iron	1070000	3880000	6670000	9270000	261	503	1	75.0-125	J5	J3 J5	32.6	20
Magnesium	1070000	1190000	2580000	2780000	130	149	1	75.0-125	J5	J5	7.51	20
Manganese	107000	171000	264000	300000	86.6	120	1	75.0-125			12.7	20
Potassium	1070000	1390000	2570000	2930000	110	144	1	75.0-125		J5	13.1	20
Sodium	1070000	60800	1190000	1160000	106	102	1	75.0-125			2.82	20
Thallium	107000	U	108000	106000	101	98.6	1	75.0-125			2.41	20
Vanadium	107000	9660	115000	116000	98.7	99.6	1	75.0-125			0.818	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4204925-3 04/24/25 14:04

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4204925-3 04/24/25 14:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	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	119			80.0-120
(S) 4-Bromofluorobenzene	85.9			77.0-126
(S) 1,2-Dichloroethane-d4	97.0			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4204925-1 04/24/25 12:45 • (LCSD) R4204925-2 04/24/25 13:05

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Acetone	25.0	19.4	19.2	77.6	76.8	19.0-160	J	J	1.04	27
Acrolein	25.0	48.1	50.3	192	201	10.0-160	J J4	J4	4.47	26
Acrylonitrile	25.0	25.4	25.8	102	103	55.0-149			1.56	20
Benzene	5.00	5.37	5.50	107	110	70.0-123			2.39	20

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

(LCS) R4204925-1 04/24/25 12:45 • (LCSD) R4204925-2 04/24/25 13:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	5.00	4.54	4.64	90.8	92.8	73.0-121			2.18	20
Bromodichloromethane	5.00	5.07	5.06	101	101	75.0-120			0.197	20
Bromoform	5.00	5.04	5.08	101	102	68.0-132			0.791	20
Bromomethane	5.00	3.90	3.98	78.0	79.6	10.0-160	U	U	2.03	25
n-Butylbenzene	5.00	4.96	5.19	99.2	104	73.0-125			4.53	20
sec-Butylbenzene	5.00	4.79	5.02	95.8	100	75.0-125			4.69	20
tert-Butylbenzene	5.00	4.69	4.84	93.8	96.8	76.0-124			3.15	20
Carbon tetrachloride	5.00	4.55	4.73	91.0	94.6	68.0-126			3.88	20
Chlorobenzene	5.00	5.87	5.82	117	116	80.0-121			0.855	20
Chlorodibromomethane	5.00	5.96	5.82	119	116	77.0-125			2.38	20
Chloroethane	5.00	3.80	3.99	76.0	79.8	47.0-150	U	U	4.88	20
Chloroform	5.00	4.44	4.44	88.8	88.8	73.0-120	U	U	0.000	20
Chloromethane	5.00	4.13	4.43	82.6	88.6	41.0-142			7.01	20
2-Chlorotoluene	5.00	4.80	4.92	96.0	98.4	76.0-123			2.47	20
4-Chlorotoluene	5.00	4.52	4.67	90.4	93.4	75.0-122			3.26	20
1,2-Dibromo-3-Chloropropane	5.00	4.87	5.23	97.4	105	58.0-134	U		7.13	20
1,2-Dibromoethane	5.00	5.60	5.55	112	111	80.0-122			0.897	20
Dibromomethane	5.00	4.98	4.95	99.6	99.0	80.0-120			0.604	20
1,2-Dichlorobenzene	5.00	5.68	5.77	114	115	79.0-121			1.57	20
1,3-Dichlorobenzene	5.00	5.39	5.47	108	109	79.0-120			1.47	20
1,4-Dichlorobenzene	5.00	5.41	5.60	108	112	79.0-120			3.45	20
Dichlorodifluoromethane	5.00	4.30	4.35	86.0	87.0	51.0-149	U	U	1.16	20
1,1-Dichloroethane	5.00	4.99	5.21	99.8	104	70.0-126			4.31	20
1,2-Dichloroethane	5.00	4.74	4.74	94.8	94.8	70.0-128			0.000	20
1,1-Dichloroethene	5.00	4.57	4.65	91.4	93.0	71.0-124			1.74	20
cis-1,2-Dichloroethene	5.00	4.67	4.83	93.4	96.6	73.0-120			3.37	20
trans-1,2-Dichloroethene	5.00	4.43	4.59	88.6	91.8	73.0-120			3.55	20
1,2-Dichloropropane	5.00	5.27	5.31	105	106	77.0-125			0.756	20
1,1-Dichloropropene	5.00	4.83	4.97	96.6	99.4	74.0-126			2.86	20
1,3-Dichloropropane	5.00	5.68	5.64	114	113	80.0-120			0.707	20
cis-1,3-Dichloropropene	5.00	4.95	5.06	99.0	101	80.0-123			2.20	20
trans-1,3-Dichloropropene	5.00	5.73	5.64	115	113	78.0-124			1.58	20
2,2-Dichloropropane	5.00	3.89	3.94	77.8	78.8	58.0-130			1.28	20
Di-isopropyl ether	5.00	5.12	5.31	102	106	58.0-138			3.64	20
Ethylbenzene	5.00	5.37	5.23	107	105	79.0-123			2.64	20
Hexachloro-1,3-butadiene	5.00	4.16	4.36	83.2	87.2	54.0-138			4.69	20
Isopropylbenzene	5.00	5.22	5.27	104	105	76.0-127			0.953	20
p-Isopropyltoluene	5.00	5.13	5.34	103	107	76.0-125			4.01	20
2-Butanone (MEK)	25.0	28.6	29.2	114	117	44.0-160			2.08	20
Methylene Chloride	5.00	4.02	4.17	80.4	83.4	67.0-120	U	U	3.66	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4204925-1 04/24/25 12:45 • (LCSD) R4204925-2 04/24/25 13:05

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	33.7	33.2	135	133	68.0-142			1.49	20
Methyl tert-butyl ether	5.00	4.22	4.41	84.4	88.2	68.0-125			4.40	20
Naphthalene	5.00	5.08	5.51	102	110	54.0-135			8.12	20
n-Propylbenzene	5.00	5.04	5.11	101	102	77.0-124			1.38	20
Styrene	5.00	5.00	4.95	100	99.0	73.0-130			1.01	20
1,1,1,2-Tetrachloroethane	5.00	5.38	5.34	108	107	75.0-125			0.746	20
1,1,2,2-Tetrachloroethane	5.00	4.97	5.01	99.4	100	65.0-130			0.802	20
1,1,2-Trichlorotrifluoroethane	5.00	4.83	4.88	96.6	97.6	69.0-132			1.03	20
Tetrachloroethene	5.00	5.78	5.88	116	118	72.0-132			1.72	20
Toluene	5.00	6.01	5.80	120	116	79.0-120			3.56	20
1,2,3-Trichlorobenzene	5.00	5.58	5.73	112	115	50.0-138			2.65	20
1,2,4-Trichlorobenzene	5.00	4.74	4.99	94.8	99.8	57.0-137			5.14	20
1,1,1-Trichloroethane	5.00	4.74	4.94	94.8	98.8	73.0-124			4.13	20
1,1,2-Trichloroethane	5.00	5.93	5.73	119	115	80.0-120			3.43	20
Trichloroethene	5.00	5.26	5.55	105	111	78.0-124			5.37	20
Trichlorofluoromethane	5.00	4.06	4.26	81.2	85.2	59.0-147	U	U	4.81	20
1,2,3-Trichloropropane	5.00	4.66	4.55	93.2	91.0	73.0-130			2.39	20
1,2,4-Trimethylbenzene	5.00	4.96	5.07	99.2	101	76.0-121			2.19	20
1,2,3-Trimethylbenzene	5.00	4.86	4.99	97.2	99.8	77.0-120			2.64	20
1,3,5-Trimethylbenzene	5.00	4.94	5.04	98.8	101	76.0-122			2.00	20
Vinyl chloride	5.00	4.68	4.68	93.6	93.6	67.0-131			0.000	20
Xylenes, Total	15.0	16.7	16.5	111	110	79.0-123			1.20	20
(S) Toluene-d8				118	114	80.0-120				
(S) 4-Bromofluorobenzene				88.3	86.4	77.0-126				
(S) 1,2-Dichloroethane-d4				94.9	95.9	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) R4204888-3 04/24/25 10:56

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4204888-3 04/24/25 10:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/kg		ug/kg	ug/kg
Methylene Chloride	7.70	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	94.2			75.0-131
(S) 4-Bromofluorobenzene	97.8			67.0-138
(S) 1,2-Dichloroethane-d4	97.3			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R4204888-1 04/24/25 09:20 • (LCSD) R4204888-2 04/24/25 09:39

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/kg	ug/kg	ug/kg	%	%	%			%	%
Acetone	625	234	233	37.4	37.3	10.0-160			0.428	31
Acrylonitrile	625	354	342	56.6	54.7	45.0-153			3.45	22
Bromobenzene	125	124	116	99.2	92.8	73.0-121			6.67	20
Bromodichloromethane	125	112	105	89.6	84.0	73.0-121			6.45	20
Bromoform	125	103	93.6	82.4	74.9	64.0-132			9.56	20
Bromomethane	125	111	107	88.8	85.6	56.0-147			3.67	20
n-Butylbenzene	125	123	124	98.4	99.2	68.0-135			0.810	20
sec-Butylbenzene	125	129	129	103	103	74.0-130			0.000	20
tert-Butylbenzene	125	130	130	104	104	75.0-127			0.000	20
Carbon tetrachloride	125	131	121	105	96.8	66.0-128			7.94	20
Chlorobenzene	125	122	123	97.6	98.4	76.0-128			0.816	20
Chlorodibromomethane	125	105	109	84.0	87.2	74.0-127			3.74	20

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

(LCS) R4204888-1 04/24/25 09:20 • (LCSD) R4204888-2 04/24/25 09:39

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 %
Chloroethane	125	94.3	93.2	75.4	74.6	61.0-134			1.17	20
Chloroform	125	112	113	89.6	90.4	72.0-123			0.889	20
Chloromethane	125	99.1	97.3	79.3	77.8	51.0-138			1.83	20
2-Chlorotoluene	125	130	131	104	105	75.0-124			0.766	20
4-Chlorotoluene	125	111	113	88.8	90.4	75.0-124			1.79	20
1,2-Dibromo-3-Chloropropane	125	70.5	81.8	56.4	65.4	59.0-130	J4		14.8	20
1,2-Dibromoethane	125	106	114	84.8	91.2	74.0-128			7.27	20
Dibromomethane	125	101	104	80.8	83.2	75.0-122			2.93	20
1,2-Dichlorobenzene	125	114	114	91.2	91.2	76.0-124			0.000	20
1,3-Dichlorobenzene	125	121	123	96.8	98.4	76.0-125			1.64	20
1,4-Dichlorobenzene	125	119	119	95.2	95.2	77.0-121			0.000	20
Dichlorodifluoromethane	125	100	98.5	80.0	78.8	43.0-156			1.51	20
1,1-Dichloroethane	125	114	113	91.2	90.4	70.0-127			0.881	20
1,2-Dichloroethane	125	102	98.2	81.6	78.6	65.0-131			3.80	20
1,1-Dichloroethene	125	102	104	81.6	83.2	65.0-131			1.94	20
cis-1,2-Dichloroethene	125	102	102	81.6	81.6	73.0-125			0.000	20
trans-1,2-Dichloroethene	125	106	102	84.8	81.6	71.0-125			3.85	20
1,2-Dichloropropane	125	107	112	85.6	89.6	74.0-125			4.57	20
1,1-Dichloropropene	125	117	116	93.6	92.8	73.0-125			0.858	20
1,3-Dichloropropane	125	105	112	84.0	89.6	80.0-125			6.45	20
cis-1,3-Dichloropropene	125	111	108	88.8	86.4	76.0-127			2.74	20
trans-1,3-Dichloropropene	125	111	114	88.8	91.2	73.0-127			2.67	20
2,2-Dichloropropane	125	120	108	96.0	86.4	59.0-135			10.5	20
Di-isopropyl ether	125	102	101	81.6	80.8	60.0-136			0.985	20
Hexachloro-1,3-butadiene	125	135	170	108	136	57.0-150		J3	23.0	20
Isopropylbenzene	125	132	120	106	96.0	72.0-127			9.52	20
p-Isopropyltoluene	125	134	129	107	103	72.0-133			3.80	20
2-Butanone (MEK)	625	326	354	52.2	56.6	30.0-160			8.24	24
Methylene Chloride	125	102	99.6	81.6	79.7	68.0-123			2.38	20
4-Methyl-2-pentanone (MIBK)	625	477	503	76.3	80.5	56.0-143			5.31	20
Methyl tert-butyl ether	125	91.6	87.3	73.3	69.8	66.0-132			4.81	20
n-Propylbenzene	125	122	124	97.6	99.2	74.0-126			1.63	20
Styrene	125	116	108	92.8	86.4	72.0-127			7.14	20
1,1,1,2-Tetrachloroethane	125	116	109	92.8	87.2	74.0-129			6.22	20
1,1,2,2-Tetrachloroethane	125	86.0	94.1	68.8	75.3	68.0-128			8.99	20
1,1,2-Trichlorotrifluoroethane	125	121	115	96.8	92.0	61.0-139			5.08	20
Tetrachloroethene	125	157	150	126	120	70.0-136			4.56	20
1,2,3-Trichlorobenzene	125	98.8	137	79.0	110	59.0-139		J3	32.4	20
1,2,4-Trichlorobenzene	125	98.1	135	78.5	108	62.0-137		J3	31.7	20
1,1,1-Trichloroethane	125	124	111	99.2	88.8	69.0-126			11.1	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4204888-1 04/24/25 09:20 • (LCSD) R4204888-2 04/24/25 09:39

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	100	109	80.0	87.2	78.0-123			8.61	20
Trichloroethene	125	124	115	99.2	92.0	76.0-126			7.53	20
Trichlorofluoromethane	125	122	115	97.6	92.0	61.0-142			5.91	20
1,2,3-Trichloropropane	125	93.3	97.2	74.6	77.8	67.0-129			4.09	20
1,2,3-Trimethylbenzene	125	111	112	88.8	89.6	74.0-124			0.897	20
Vinyl chloride	125	108	109	86.4	87.2	63.0-134			0.922	20
(S) Toluene-d8				101	106	75.0-131				
(S) 4-Bromofluorobenzene				98.8	87.9	67.0-138				
(S) 1,2-Dichloroethane-d4				102	98.2	70.0-130				

L1851263-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851263-01 04/24/25 18:22 • (MS) R4204888-4 04/24/25 20:55 • (MSD) R4204888-5 04/24/25 21:14

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	695	U	197	183	28.3	26.4	1	10.0-160			7.02	40
Acrylonitrile	695	U	307	350	44.2	50.4	1	10.0-160			13.2	40
Bromobenzene	139	U	156	136	112	97.6	1	10.0-156			13.7	38
Bromodichloromethane	139	U	131	120	94.4	86.4	1	10.0-143			8.85	37
Bromoform	139	U	106	92.7	76.0	66.7	1	10.0-146			13.0	36
Bromomethane	139	U	111	109	79.8	78.7	1	10.0-149			1.31	38
n-Butylbenzene	139	U	156	139	112	100	1	10.0-160			11.3	40
sec-Butylbenzene	139	U	166	143	119	103	1	10.0-159			14.4	39
tert-Butylbenzene	139	U	173	155	125	111	1	10.0-156			11.5	39
Carbon tetrachloride	139	U	146	133	105	96.0	1	10.0-145			8.76	37
Chlorobenzene	139	U	158	137	114	98.4	1	10.0-152			14.3	39
Chlorodibromomethane	139	U	121	112	87.2	80.8	1	10.0-146			7.62	37
Chloroethane	139	U	57.4	54.2	41.3	39.0	1	10.0-146			5.78	40
Chloroform	139	U	129	122	92.8	88.0	1	10.0-146			5.31	37
Chloromethane	139	U	131	130	94.4	93.6	1	10.0-159			0.851	37
2-Chlorotoluene	139	U	161	143	116	103	1	10.0-159			11.7	38
4-Chlorotoluene	139	U	147	130	106	93.6	1	10.0-155			12.0	39
1,2-Dibromo-3-Chloropropane	139	U	67.8	61.5	48.8	44.2	1	10.0-151			9.80	39
1,2-Dibromoethane	139	U	137	117	98.4	84.0	1	10.0-148			15.8	34
Dibromomethane	139	U	113	105	81.6	75.5	1	10.0-147			7.74	35
1,2-Dichlorobenzene	139	U	140	130	101	93.6	1	10.0-155			7.41	37
1,3-Dichlorobenzene	139	U	156	138	112	99.2	1	10.0-153			12.1	38
1,4-Dichlorobenzene	139	U	156	138	112	99.2	1	10.0-151			12.1	38
Dichlorodifluoromethane	139	U	132	127	95.2	91.2	1	10.0-160			4.29	35

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1851263-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851263-01 04/24/25 18:22 • (MS) R4204888-4 04/24/25 20:55 • (MSD) R4204888-5 04/24/25 21:14

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	139	U	133	130	96.0	93.6	1	10.0-147			2.53	37
1,2-Dichloroethane	139	U	130	113	93.6	81.6	1	10.0-148			13.7	35
1,1-Dichloroethene	139	U	171	165	123	118	1	10.0-155			3.97	37
cis-1,2-Dichloroethene	139	U	120	110	86.4	79.2	1	10.0-149			8.70	37
trans-1,2-Dichloroethene	139	U	121	118	87.2	84.8	1	10.0-150			2.79	37
1,2-Dichloropropane	139	U	136	125	97.6	89.6	1	10.0-148			8.55	37
1,1-Dichloropropene	139	U	153	145	110	104	1	10.0-153			5.97	35
1,3-Dichloropropane	139	U	140	125	101	89.6	1	10.0-154			11.8	35
cis-1,3-Dichloropropene	139	U	133	125	96.0	89.6	1	10.0-151			6.90	37
trans-1,3-Dichloropropene	139	U	142	127	102	91.2	1	10.0-148			11.6	37
2,2-Dichloropropane	139	U	110	94.2	79.4	67.8	1	10.0-138			15.9	36
Di-isopropyl ether	139	U	109	106	78.5	75.9	1	10.0-147			3.32	36
Hexachloro-1,3-butadiene	139	U	235	205	169	147	1	10.0-160	J5		13.7	40
Isopropylbenzene	139	U	158	146	114	105	1	10.0-155			8.06	38
p-Isopropyltoluene	139	U	167	149	120	107	1	10.0-160			11.3	40
2-Butanone (MEK)	695	U	355	321	51.0	46.2	1	10.0-160			9.87	40
Methylene Chloride	139	U	149	139	107	100	1	10.0-141			6.95	37
4-Methyl-2-pentanone (MIBK)	695	U	485	411	69.8	59.2	1	10.0-160			16.4	35
Methyl tert-butyl ether	139	U	84.3	81.7	60.6	58.8	1	11.0-147			3.08	35
n-Propylbenzene	139	U	159	139	114	100	1	10.0-158			13.4	38
Styrene	139	U	147	130	106	93.6	1	10.0-160			12.0	40
1,1,1,2-Tetrachloroethane	139	U	120	108	86.4	77.4	1	10.0-149			10.9	39
1,1,2,2-Tetrachloroethane	139	U	93.3	81.8	67.1	58.9	1	10.0-160			13.1	35
1,1,2-Trichlorotrifluoroethane	139	U	158	131	114	94.4	1	10.0-160			18.5	36
Tetrachloroethene	139	U	195	173	140	125	1	10.0-156			11.5	39
1,2,3-Trichlorobenzene	139	U	145	136	104	97.6	1	10.0-160			6.35	40
1,2,4-Trichlorobenzene	139	U	150	137	108	98.4	1	10.0-160			9.30	40
1,1,1-Trichloroethane	139	U	140	129	101	92.8	1	10.0-144			8.26	35
1,1,2-Trichloroethane	139	U	126	113	90.4	81.6	1	10.0-160			10.2	35
Trichloroethene	139	U	165	151	118	109	1	10.0-156			8.45	38
Trichlorofluoromethane	139	U	86.4	83.1	62.2	59.8	1	10.0-160			3.94	40
1,2,3-Trichloropropane	139	U	112	100	80.8	71.9	1	10.0-156			11.6	35
1,2,3-Trimethylbenzene	139	U	138	121	99.2	87.2	1	10.0-160			12.9	36
Vinyl chloride	139	U	139	135	100	96.8	1	10.0-160			3.25	37
(S) Toluene-d8					104	103		75.0-131				
(S) 4-Bromofluorobenzene					97.6	97.1		67.0-138				
(S) 1,2-Dichloroethane-d4					93.6	97.0		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) R4204835-2 04/24/25 19:17

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4204835-2 04/24/25 19:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/kg		ug/kg	ug/kg
Pentachlorophenol	U		8.96	333
Phenol	U		13.4	333
2,4,6-Trichlorophenol	U		10.7	333
(S) 2-Fluorophenol	61.1			12.0-120
(S) Phenol-d5	57.2			10.0-120
(S) Nitrobenzene-d5	57.1			10.0-122
(S) 2-Fluorobiphenyl	61.0			15.0-120
(S) 2,4,6-Tribromophenol	76.9			10.0-127
(S) p-Terphenyl-d14	69.4			10.0-120

Laboratory Control Sample (LCS)

(LCS) R4204835-1 04/24/25 18:56

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/kg	ug/kg	%	%	
Acenaphthylene	666	510	76.6	40.0-120	
Benidine	1330	513	38.6	10.0-120	J
Benzo(g,h,i)perylene	666	463	69.5	43.0-120	
Bis(2-chlorethoxy)methane	666	344	51.7	20.0-120	
Bis(2-chloroethyl)ether	666	398	59.8	16.0-120	
2,2-Oxybis(1-Chloropropane)	666	351	52.7	23.0-120	
4-Bromophenyl-phenylether	666	562	84.4	40.0-120	
2-Chloronaphthalene	666	438	65.8	35.0-120	
4-Chlorophenyl-phenylether	666	505	75.8	40.0-120	
1,2-Dichlorobenzene	666	394	59.2	32.0-120	
1,3-Dichlorobenzene	666	388	58.3	30.0-120	
1,4-Dichlorobenzene	666	409	61.4	31.0-120	
3,3-Dichlorobenzidine	1330	1030	77.4	28.0-120	
2,4-Dinitrotoluene	666	567	85.1	45.0-120	
2,6-Dinitrotoluene	666	499	74.9	42.0-120	
Hexachlorobenzene	666	533	80.0	39.0-120	
Hexachloro-1,3-butadiene	666	355	53.3	15.0-120	
Hexachlorocyclopentadiene	666	248	37.2	15.0-120	J
Hexachloroethane	666	379	56.9	17.0-120	
Isophorone	666	348	52.3	23.0-120	
Nitrobenzene	666	337	50.6	17.0-120	
n-Nitrosodimethylamine	666	372	55.9	10.0-125	
n-Nitrosodiphenylamine	666	489	73.4	40.0-120	
n-Nitrosodi-n-propylamine	666	400	60.1	26.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4204835-1 04/24/25 18:56

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Phenanthrene	666	453	68.0	42.0-120	
Benzylbutyl phthalate	666	462	69.4	40.0-120	
Bis(2-ethylhexyl)phthalate	666	483	72.5	41.0-120	
Di-n-butyl phthalate	666	506	76.0	43.0-120	
Diethyl phthalate	666	514	77.2	43.0-120	
Dimethyl phthalate	666	508	76.3	43.0-120	
Di-n-octyl phthalate	666	433	65.0	40.0-120	
1,2,4-Trichlorobenzene	666	382	57.4	17.0-120	
4-Chloro-3-methylphenol	666	401	60.2	28.0-120	
2-Chlorophenol	666	396	59.5	28.0-120	
2,4-Dichlorophenol	666	402	60.4	25.0-120	
2,4-Dimethylphenol	666	356	53.5	15.0-120	
4,6-Dinitro-2-methylphenol	666	610	91.6	16.0-120	
2,4-Dinitrophenol	666	466	70.0	10.0-120	
2-Nitrophenol	666	406	61.0	20.0-120	
4-Nitrophenol	666	558	83.8	27.0-120	
Pentachlorophenol	666	433	65.0	29.0-120	
Phenol	666	414	62.2	28.0-120	
2,4,6-Trichlorophenol	666	514	77.2	37.0-120	
(S) 2-Fluorophenol			71.8	12.0-120	
(S) Phenol-d5			67.4	10.0-120	
(S) Nitrobenzene-d5			53.2	10.0-122	
(S) 2-Fluorobiphenyl			71.2	15.0-120	
(S) 2,4,6-Tribromophenol			97.3	10.0-127	
(S) p-Terphenyl-d14			72.4	10.0-120	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1851274-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851274-01 04/25/25 00:24 • (MS) R4204835-3 04/25/25 00:44 • (MSD) R4204835-4 04/25/25 01:05

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	693	U	474	443	68.4	63.9	1	25.0-120			6.85	32
Benzidine	1380	U	149	83.6	10.8	6.05	1	10.0-120	↓	J J3 J6	56.0	40
Benzo(g,h,i)perylene	693	U	355	336	51.2	48.5	1	10.0-120			5.45	33
Bis(2-chlorethoxy)methane	693	U	297	257	42.9	37.2	1	10.0-120	↓	↓	14.3	34
Bis(2-chloroethyl)ether	693	U	338	293	48.8	42.3	1	10.0-120	↓	↓	14.3	40
2,2-Oxybis(1-Chloropropane)	693	U	283	239	40.8	34.4	1	10.0-120	↓	↓	16.9	40
4-Bromophenyl-phenylether	693	U	539	535	77.8	77.2	1	27.0-120			0.780	30
2-Chloronaphthalene	693	U	390	363	56.3	52.4	1	20.0-120			7.22	32

L1851274-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851274-01 04/25/25 00:24 • (MS) R4204835-3 04/25/25 00:44 • (MSD) R4204835-4 04/25/25 01:05

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	693	U	483	459	69.8	66.3	1	24.0-120			5.11	29
1,2-Dichlorobenzene	693	U	314	274	45.3	39.6	1	10.0-120	J	J	13.5	38
1,3-Dichlorobenzene	693	U	314	269	45.3	38.8	1	10.0-120	J	J	15.4	40
1,4-Dichlorobenzene	693	U	330	284	47.6	40.9	1	10.0-120	J	J	15.0	39
3,3-Dichlorobenzidine	1380	U	834	713	60.4	51.6	1	10.0-120			15.7	34
2,4-Dinitrotoluene	693	U	541	540	78.1	77.9	1	30.0-120			0.194	31
2,6-Dinitrotoluene	693	U	490	456	70.7	65.9	1	25.0-120			7.08	31
Hexachlorobenzene	693	U	511	488	73.7	70.4	1	27.0-120			4.61	28
Hexachloro-1,3-butadiene	693	U	311	277	44.9	40.0	1	10.0-120	J	J	11.4	38
Hexachlorocyclopentadiene	693	U	20.5	18.5	2.96	2.67	1	10.0-120	J J6	J J6	10.2	40
Hexachloroethane	693	U	182	159	26.3	23.0	1	10.0-120	J	J	13.5	40
Isophorone	693	U	306	273	44.1	39.4	1	13.0-120	J	J	11.2	34
Nitrobenzene	693	U	278	245	40.2	35.3	1	10.0-120	J	J	12.8	36
n-Nitrosodimethylamine	693	U	241	208	34.7	30.1	1	10.0-127	J	J	14.5	40
n-Nitrosodiphenylamine	693	U	475	472	68.6	68.1	1	17.0-120			0.663	29
n-Nitrosodi-n-propylamine	693	U	339	287	48.9	41.4	1	10.0-120	J	J	16.7	37
Phenanthrene	693	8.41	452	432	64.0	61.2	1	17.0-120			4.50	31
Benzylbutyl phthalate	693	U	497	476	71.8	68.7	1	23.0-120			4.30	30
Bis(2-ethylhexyl)phthalate	693	U	523	510	75.5	73.6	1	17.0-126			2.63	30
Di-n-butyl phthalate	693	U	518	495	74.8	71.5	1	30.0-120			4.55	29
Diethyl phthalate	693	U	492	480	71.0	69.3	1	26.0-120			2.37	28
Dimethyl phthalate	693	U	474	449	68.4	64.8	1	25.0-120			5.44	29
Di-n-octyl phthalate	693	U	527	509	76.1	73.4	1	21.0-123			3.64	29
1,2,4-Trichlorobenzene	693	U	327	298	47.1	43.1	1	12.0-120	J	J	9.05	37
4-Chloro-3-methylphenol	693	U	387	372	55.9	53.6	1	15.0-120			4.14	30
2-Chlorophenol	693	U	335	294	48.3	42.4	1	15.0-120	J	J	13.0	37
2,4-Dichlorophenol	693	U	386	362	55.7	52.3	1	20.0-120			6.43	31
2,4-Dimethylphenol	693	U	324	295	46.8	42.6	1	10.0-120	J	J	9.46	33
4,6-Dinitro-2-methylphenol	693	U	503	477	72.7	68.9	1	10.0-120			5.34	39
2,4-Dinitrophenol	693	U	372	346	53.6	50.0	1	10.0-121		J	7.00	40
2-Nitrophenol	693	U	382	321	55.1	46.4	1	12.0-120		J	17.3	39
4-Nitrophenol	693	U	607	580	87.6	83.7	1	10.0-137			4.59	32
Pentachlorophenol	693	U	447	428	64.5	61.8	1	10.0-160			4.31	31
Phenol	693	U	343	301	49.5	43.5	1	12.0-120	J	J	13.0	38
2,4,6-Trichlorophenol	693	U	490	478	70.7	69.0	1	19.0-120			2.38	32
(S) 2-Fluorophenol					54.4	50.2		12.0-120				
(S) Phenol-d5					52.6	48.0		10.0-120				
(S) Nitrobenzene-d5					45.0	39.9		10.0-122				
(S) 2-Fluorobiphenyl					59.5	56.2		15.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1851274-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1851274-01 04/25/25 00:24 • (MS) R4204835-3 04/25/25 00:44 • (MSD) R4204835-4 04/25/25 01:05

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 %
(S) 2,4,6-Tribromophenol					96.8	97.3		10.0-127				
(S) p-Terphenyl-d14					66.2	64.7		10.0-120				

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

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

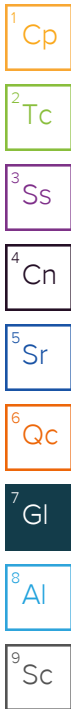
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
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.



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C1851263

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

Contact/Report To: Lab Results, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman
Phone #:
E-Mail: labresults@cteh.com; kylelawrence@cteh.com; tmcnullin@cteh.com; ahenault@cteh.com
Cc E-Mail: ecattlin@cteh.com; mlinkerman@cteh.com

Customer Project #: PROJ-054017
Project Name:
Bishop Loss of Containment Incident
Site Collection Info/Facility ID (as applicable):
Chevron Galeton, CO

Invoice to: CTEH
Invoice E-mail:
ctehap@montrose-env.com
Purchase Order # (if applicable):
Quote #:
County / State origin of sample(s): CO

Time Zone Collected: [] AK [] PT MT [] CT [] ET
Data Deliverables:
 Level II [] Level III [] Level IV
[] EQUIS
[] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [] No
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), Bioassay (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/TKN/NH+NH3 EPA 351.2/9056A	TOC Walkley Black	VOCs 8260D Trip Blank	Sample Comment
			Date	Time	Date	Time		Result	Units						
GACO 0423T089S001	SS	G	04-23-25	1100			3			X	X	X	X	-	-01
GACO 0423T089S002	SS	G	04-23-25	1135			3			X	X	X	X	-	-02
GACO 0423T089S003	SS	G	04-23-25	1200			3			X	X	X	X	-	-03
GACO 0423T089S004	SS	G	04-23-25	1225			3			X	X	X	X	-	-04
GACO 0423T089S005	SS	G	04-23-25	1255			3			X	X	X	X	-	-05
GACO 0423T089T001	OT	G	04-23-25	1600			2			X	*	-	-	X	-06

8410.4-4.3 TL19
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:
Printed Name: Kaitlin Walkley
Signature: [Signature]

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

Relinquished by/Company: (Signature)
Date/Time: 04-23-25 1645

Received by/Company: (Signature)
Date/Time: 04-23-25 18:00 SWA

Received by/Company: (Signature)
Date/Time: 4-23-25 1230

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