

**CTEH - ER**

Sample Delivery Group: L1858438  
Samples Received: 05/14/2025  
Project Number: PROJ-054017  
Description: Bishop Loss of Containment Incident

Report To: CTEH  
5120 North Shore Drive  
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey  
Project Manager

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

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [mydata.pacelabs.com](http://mydata.pacelabs.com)

# TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	6
GACO0513T066S002 L1858438-01	6
GACO0513T066C002 L1858438-02	9
GACO0513T066T001 L1858438-03	12
Qc: Quality Control Summary	14
Total Solids by Method 2540 G-2011	14
Wet Chemistry by Method 350.1	15
Wet Chemistry by Method 4500NOrg D-2021	16
Wet Chemistry by Method 9056A	18
Wet Chemistry by Method WALKLEY-BLACK	19
Metals (ICP) by Method 6010D	20
Volatile Organic Compounds (GC/MS) by Method 8260D	22
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	30
Gl: Glossary of Terms	35
Al: Accreditations & Locations	36
Sc: Sample Chain of Custody	37



# SAMPLE SUMMARY

GACO0513T066S002 L1858438-01

Collected by  
Andrew Schall

Collected date/time  
05/13/25 08:50

Received date/time  
05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2514834	1	05/14/25 13:40	05/15/25 09:44	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2514714	1	05/14/25 12:39	05/14/25 12:59	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2514941	1	05/14/25 16:15	05/14/25 23:28	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2514925	5	05/14/25 22:58	05/15/25 09:44	KMB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2514834	1	05/14/25 13:40	05/14/25 17:11	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2514959	10	05/15/25 10:00	05/15/25 14:03	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2514882	1	05/14/25 14:11	05/14/25 16:30	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2514808	1	05/14/25 12:14	05/14/25 14:53	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2514852	1	05/14/25 14:00	05/14/25 21:15	MBE	Mt. Juliet, TN

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

GACO0513T066C002 L1858438-02

Collected by  
Andrew Schall

Collected date/time  
05/13/25 08:50

Received date/time  
05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2514834	1	05/14/25 13:40	05/15/25 09:48	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2514714	1	05/14/25 12:39	05/14/25 12:59	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2514941	1	05/14/25 16:15	05/14/25 23:29	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2514925	5	05/14/25 22:58	05/15/25 09:48	KMB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2514834	1	05/14/25 13:40	05/14/25 17:24	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2514959	5	05/15/25 10:00	05/15/25 14:04	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2514882	1	05/14/25 14:11	05/14/25 16:32	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2514808	1	05/14/25 12:14	05/14/25 15:11	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2514852	1	05/14/25 14:00	05/14/25 21:37	MBE	Mt. Juliet, TN

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

GACO0513T066T001 L1858438-03

Collected by  
Andrew Schall

Collected date/time  
05/13/25 07:00

Received date/time  
05/14/25 11:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2514719	1	05/14/25 13:48	05/14/25 13:48	WHS	Mt. Juliet, TN

# CASE NARRATIVE

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



Jared Starkey  
Project Manager

## Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2514834	(MS) R4214971-3, (MSD) R4214971-4	Nitrate-Nitrite

## Metals (ICP) by Method 6010D

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2514882	Antimony	L1858438-01, 02

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

Batch	Lab Sample ID	Analytes
WG2514882	(MS) R4214751-5, (MSD) R4214751-6	Aluminum and Manganese

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

Batch	Lab Sample ID	Analytes
WG2514882	(MS) R4214751-5	Iron

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

Batch	Lab Sample ID	Analytes
WG2514882	(MS) R4214751-5, (MSD) R4214751-6	Thallium

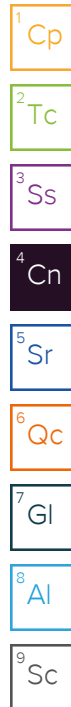
The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2514882	(MSD) R4214751-6	Iron and Manganese

## 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
WG2514719	L1858438-03	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acetone, Bromoform, Bromomethane and Naphthalene
WG2514808	L1858438-01	Dichlorodifluoromethane
WG2514808	L1858438-02	Dichlorodifluoromethane



# CASE NARRATIVE

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

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

Batch	Lab Sample ID	Analytes
WG2514808	(LCSD) R4214737-2, L1858438-01, 02	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Acetone

## 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
WG2514852	L1858438-01	2,4-Dimethylphenol and Pentachlorophenol
WG2514852	L1858438-02	2,4-Dimethylphenol and Pentachlorophenol

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

Batch	Lab Sample ID	Analytes
WG2514852	L1858438-01	Hexachlorocyclopentadiene
WG2514852	L1858438-02	Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2514852	(MS) R4214940-3, (MSD) R4214940-4	Benzidine

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Calculated Results

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg		date / time	
Total Nitrogen	1520000		22000	1	05/15/2025 09:44	<a href="#">WG2514834</a>

<sup>1</sup>Cp

<sup>2</sup>Tc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	90.9		1	05/14/2025 12:59	<a href="#">WG2514714</a>

<sup>3</sup>Ss

<sup>4</sup>Cn

Wet Chemistry by Method 350.1

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg		date / time	
Ammonia Nitrogen	ND		11000	1	05/14/2025 23:28	<a href="#">WG2514941</a>

<sup>5</sup>Sr

<sup>6</sup>Qc

Wet Chemistry by Method 4500NOrg D-2021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg		date / time	
Kjeldahl Nitrogen, TKN	1490000		110000	5	05/15/2025 09:44	<a href="#">WG2514925</a>

<sup>7</sup>Gl

<sup>8</sup>Al

Wet Chemistry by Method 9056A

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg		date / time	
Nitrate-Nitrite	35900		22000	1	05/14/2025 17:11	<a href="#">WG2514834</a>

<sup>9</sup>Sc

Wet Chemistry by Method WALKLEY-BLACK

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg		date / time	
TOC By Walkley Black	21000000		1000000	10	05/15/2025 14:03	<a href="#">WG2514959</a>

Metals (ICP) by Method 6010D

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg		date / time	
Aluminum	5770000		22000	1	05/14/2025 16:30	<a href="#">WG2514882</a>
Antimony	2230	<a href="#">B</a>	2200	1	05/14/2025 16:30	<a href="#">WG2514882</a>
Beryllium	670		220	1	05/14/2025 16:30	<a href="#">WG2514882</a>
Calcium	6090000		110000	1	05/14/2025 16:30	<a href="#">WG2514882</a>
Cobalt	4430		1100	1	05/14/2025 16:30	<a href="#">WG2514882</a>
Iron	17100000		11000	1	05/14/2025 16:30	<a href="#">WG2514882</a>
Magnesium	3610000		110000	1	05/14/2025 16:30	<a href="#">WG2514882</a>
Manganese	430000		1100	1	05/14/2025 16:30	<a href="#">WG2514882</a>
Potassium	2410000		110000	1	05/14/2025 16:30	<a href="#">WG2514882</a>
Sodium	ND		110000	1	05/14/2025 16:30	<a href="#">WG2514882</a>
Thallium	ND		2200	1	05/14/2025 16:30	<a href="#">WG2514882</a>
Vanadium	20300		2200	1	05/14/2025 16:30	<a href="#">WG2514882</a>

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg		date / time	
Acetone	ND	<a href="#">J3</a>	59.9	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Acrylonitrile	ND		15.0	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Bromobenzene	ND		15.0	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Bromodichloromethane	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Bromoform	ND		30.0	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Bromomethane	ND		15.0	1	05/14/2025 14:53	<a href="#">WG2514808</a>

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		15.0	1	05/14/2025 14:53	<a href="#">WG2514808</a>
sec-Butylbenzene	ND		15.0	1	05/14/2025 14:53	<a href="#">WG2514808</a>
tert-Butylbenzene	ND		5.99	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Carbon tetrachloride	ND		5.99	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Chlorobenzene	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Chlorodibromomethane	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Chloroethane	ND		5.99	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Chloroform	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Chloromethane	ND		15.0	1	05/14/2025 14:53	<a href="#">WG2514808</a>
2-Chlorotoluene	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
4-Chlorotoluene	ND		5.99	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,2-Dibromo-3-Chloropropane	ND		30.0	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,2-Dibromoethane	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Dibromomethane	ND		5.99	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,2-Dichlorobenzene	ND		5.99	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,3-Dichlorobenzene	ND		5.99	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,4-Dichlorobenzene	ND		5.99	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Dichlorodifluoromethane	ND	<a href="#">C3</a>	5.99	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,1-Dichloroethane	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,2-Dichloroethane	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,1-Dichloroethene	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
cis-1,2-Dichloroethene	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
trans-1,2-Dichloroethene	ND		5.99	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,2-Dichloropropane	ND		5.99	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,1-Dichloropropene	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,3-Dichloropropane	ND		5.99	1	05/14/2025 14:53	<a href="#">WG2514808</a>
cis-1,3-Dichloropropene	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
trans-1,3-Dichloropropene	ND		5.99	1	05/14/2025 14:53	<a href="#">WG2514808</a>
2,2-Dichloropropane	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Di-isopropyl ether	ND		1.20	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Hexachloro-1,3-butadiene	ND		30.0	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Isopropylbenzene	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
p-Isopropyltoluene	ND		5.99	1	05/14/2025 14:53	<a href="#">WG2514808</a>
2-Butanone (MEK)	ND		120	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Methylene Chloride	ND		30.0	1	05/14/2025 14:53	<a href="#">WG2514808</a>
4-Methyl-2-pentanone (MIBK)	ND		30.0	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Methyl tert-butyl ether	ND		1.20	1	05/14/2025 14:53	<a href="#">WG2514808</a>
n-Propylbenzene	ND		5.99	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Styrene	ND		15.0	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,1,1,2-Tetrachloroethane	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,1,2,2-Tetrachloroethane	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,1,2-Trichlorotrifluoroethane	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Tetrachloroethene	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,2,3-Trichlorobenzene	ND	<a href="#">J3</a>	15.0	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,2,4-Trichlorobenzene	ND	<a href="#">J3</a>	15.0	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,1,1-Trichloroethane	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,1,2-Trichloroethane	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Trichloroethene	ND		1.20	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Trichlorofluoromethane	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,2,3-Trichloropropane	ND		15.0	1	05/14/2025 14:53	<a href="#">WG2514808</a>
1,2,3-Trimethylbenzene	ND		5.99	1	05/14/2025 14:53	<a href="#">WG2514808</a>
Vinyl chloride	ND		3.00	1	05/14/2025 14:53	<a href="#">WG2514808</a>
(S) Toluene-d8	100		75.0-131		05/14/2025 14:53	<a href="#">WG2514808</a>
(S) 4-Bromofluorobenzene	104		67.0-138		05/14/2025 14:53	<a href="#">WG2514808</a>
(S) 1,2-Dichloroethane-d4	98.5		70.0-130		05/14/2025 14:53	<a href="#">WG2514808</a>

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	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		36.6	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Benzdine	ND		1840	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Benzo(g,h,i)perylene	ND		36.6	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Bis(2-chlorethoxy)methane	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Bis(2-chloroethyl)ether	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
2,2-Oxybis(1-Chloropropane)	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
4-Bromophenyl-phenylether	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
2-Chloronaphthalene	ND		36.6	1	05/14/2025 21:15	<a href="#">WG2514852</a>
4-Chlorophenyl-phenylether	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
1,2-Dichlorobenzene	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
1,3-Dichlorobenzene	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
1,4-Dichlorobenzene	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
3,3-Dichlorobenzidine	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
2,4-Dinitrotoluene	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
2,6-Dinitrotoluene	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Hexachlorobenzene	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Hexachloro-1,3-butadiene	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Hexachlorocyclopentadiene	ND	<a href="#">C7</a>	366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Hexachloroethane	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Isophorone	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Nitrobenzene	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
n-Nitrosodimethylamine	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
n-Nitrosodiphenylamine	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
n-Nitrosodi-n-propylamine	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Phenanthrene	ND		36.6	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Benzylbutyl phthalate	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Bis(2-ethylhexyl)phtalate	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Di-n-butyl phthalate	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Diethyl phthalate	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Dimethyl phthalate	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Di-n-octyl phthalate	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
1,2,4-Trichlorobenzene	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
4-Chloro-3-methylphenol	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
2-Chlorophenol	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
2,4-Dichlorophenol	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
2,4-Dimethylphenol	ND	<a href="#">C3</a>	366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
4,6-Dinitro-2-methylphenol	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
2,4-Dinitrophenol	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
2-Nitrophenol	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
4-Nitrophenol	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Pentachlorophenol	ND	<a href="#">C3</a>	366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
Phenol	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
2,4,6-Trichlorophenol	ND		366	1	05/14/2025 21:15	<a href="#">WG2514852</a>
(S) 2-Fluorophenol	63.8		12.0-120		05/14/2025 21:15	<a href="#">WG2514852</a>
(S) Phenol-d5	59.8		10.0-120		05/14/2025 21:15	<a href="#">WG2514852</a>
(S) Nitrobenzene-d5	59.4		10.0-122		05/14/2025 21:15	<a href="#">WG2514852</a>
(S) 2-Fluorobiphenyl	54.8		15.0-120		05/14/2025 21:15	<a href="#">WG2514852</a>
(S) 2,4,6-Tribromophenol	63.5		10.0-127		05/14/2025 21:15	<a href="#">WG2514852</a>
(S) p-Terphenyl-d14	62.2		10.0-120		05/14/2025 21:15	<a href="#">WG2514852</a>

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Calculated Results

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg		date / time	
Total Nitrogen	1470000		21800	1	05/15/2025 09:48	<a href="#">WG2514834</a>

1  
Cp

2  
Tc

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	91.9		1	05/14/2025 12:59	<a href="#">WG2514714</a>

3  
Ss

4  
Cn

Wet Chemistry by Method 350.1

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg		date / time	
Ammonia Nitrogen	ND		10900	1	05/14/2025 23:29	<a href="#">WG2514941</a>

5  
Sr

6  
Qc

Wet Chemistry by Method 4500NOrg D-2021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg		date / time	
Kjeldahl Nitrogen, TKN	1440000		109000	5	05/15/2025 09:48	<a href="#">WG2514925</a>

7  
Gl

8  
Al

Wet Chemistry by Method 9056A

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg		date / time	
Nitrate-Nitrite	26500		21800	1	05/14/2025 17:24	<a href="#">WG2514834</a>

9  
Sc

Wet Chemistry by Method WALKLEY-BLACK

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg		date / time	
TOC By Walkley Black	21100000		500000	5	05/15/2025 14:04	<a href="#">WG2514959</a>

Metals (ICP) by Method 6010D

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg		date / time	
Aluminum	4540000		21800	1	05/14/2025 16:32	<a href="#">WG2514882</a>
Antimony	2180	<a href="#">B</a>	2180	1	05/14/2025 16:32	<a href="#">WG2514882</a>
Beryllium	572		218	1	05/14/2025 16:32	<a href="#">WG2514882</a>
Calcium	5320000		109000	1	05/14/2025 16:32	<a href="#">WG2514882</a>
Cobalt	3980		1090	1	05/14/2025 16:32	<a href="#">WG2514882</a>
Iron	17800000		10900	1	05/14/2025 16:32	<a href="#">WG2514882</a>
Magnesium	3030000		109000	1	05/14/2025 16:32	<a href="#">WG2514882</a>
Manganese	472000		1090	1	05/14/2025 16:32	<a href="#">WG2514882</a>
Potassium	1870000		109000	1	05/14/2025 16:32	<a href="#">WG2514882</a>
Sodium	171000		109000	1	05/14/2025 16:32	<a href="#">WG2514882</a>
Thallium	ND		2180	1	05/14/2025 16:32	<a href="#">WG2514882</a>
Vanadium	18200		2180	1	05/14/2025 16:32	<a href="#">WG2514882</a>

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	ug/kg		ug/kg		date / time	
Acetone	ND	<a href="#">J3</a>	58.9	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Acrylonitrile	ND		14.7	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Bromobenzene	ND		14.7	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Bromodichloromethane	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Bromoform	ND		29.4	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Bromomethane	ND		14.7	1	05/14/2025 15:11	<a href="#">WG2514808</a>

GACO0513T066C002

Collected date/time: 05/13/25 08:50

SAMPLE RESULTS - 02

L1858438

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		14.7	1	05/14/2025 15:11	<a href="#">WG2514808</a>
sec-Butylbenzene	ND		14.7	1	05/14/2025 15:11	<a href="#">WG2514808</a>
tert-Butylbenzene	ND		5.89	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Carbon tetrachloride	ND		5.89	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Chlorobenzene	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Chlorodibromomethane	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Chloroethane	ND		5.89	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Chloroform	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Chloromethane	ND		14.7	1	05/14/2025 15:11	<a href="#">WG2514808</a>
2-Chlorotoluene	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
4-Chlorotoluene	ND		5.89	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,2-Dibromo-3-Chloropropane	ND		29.4	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,2-Dibromoethane	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Dibromomethane	ND		5.89	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,2-Dichlorobenzene	ND		5.89	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,3-Dichlorobenzene	ND		5.89	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,4-Dichlorobenzene	ND		5.89	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Dichlorodifluoromethane	ND	<a href="#">C3</a>	5.89	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,1-Dichloroethane	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,2-Dichloroethane	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,1-Dichloroethene	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
cis-1,2-Dichloroethene	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
trans-1,2-Dichloroethene	ND		5.89	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,2-Dichloropropane	ND		5.89	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,1-Dichloropropene	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,3-Dichloropropane	ND		5.89	1	05/14/2025 15:11	<a href="#">WG2514808</a>
cis-1,3-Dichloropropene	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
trans-1,3-Dichloropropene	ND		5.89	1	05/14/2025 15:11	<a href="#">WG2514808</a>
2,2-Dichloropropane	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Di-isopropyl ether	ND		1.18	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Hexachloro-1,3-butadiene	ND		29.4	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Isopropylbenzene	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
p-Isopropyltoluene	ND		5.89	1	05/14/2025 15:11	<a href="#">WG2514808</a>
2-Butanone (MEK)	ND		118	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Methylene Chloride	ND		29.4	1	05/14/2025 15:11	<a href="#">WG2514808</a>
4-Methyl-2-pentanone (MIBK)	ND		29.4	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Methyl tert-butyl ether	ND		1.18	1	05/14/2025 15:11	<a href="#">WG2514808</a>
n-Propylbenzene	ND		5.89	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Styrene	ND		14.7	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,1,1,2-Tetrachloroethane	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,1,2,2-Tetrachloroethane	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,1,2-Trichlorotrifluoroethane	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Tetrachloroethene	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,2,3-Trichlorobenzene	ND	<a href="#">J3</a>	14.7	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,2,4-Trichlorobenzene	ND	<a href="#">J3</a>	14.7	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,1,1-Trichloroethane	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,1,2-Trichloroethane	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Trichloroethene	ND		1.18	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Trichlorofluoromethane	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,2,3-Trichloropropane	ND		14.7	1	05/14/2025 15:11	<a href="#">WG2514808</a>
1,2,3-Trimethylbenzene	ND		5.89	1	05/14/2025 15:11	<a href="#">WG2514808</a>
Vinyl chloride	ND		2.94	1	05/14/2025 15:11	<a href="#">WG2514808</a>
(S) Toluene-d8	102		75.0-131		05/14/2025 15:11	<a href="#">WG2514808</a>
(S) 4-Bromofluorobenzene	106		67.0-138		05/14/2025 15:11	<a href="#">WG2514808</a>
(S) 1,2-Dichloroethane-d4	92.8		70.0-130		05/14/2025 15:11	<a href="#">WG2514808</a>

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	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		36.2	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Benidine	ND		1820	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Benzo(g,h,i)perylene	ND		36.2	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Bis(2-chlorethoxy)methane	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Bis(2-chloroethyl)ether	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
2,2-Oxybis(1-Chloropropane)	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
4-Bromophenyl-phenylether	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
2-Chloronaphthalene	ND		36.2	1	05/14/2025 21:37	<a href="#">WG2514852</a>
4-Chlorophenyl-phenylether	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
1,2-Dichlorobenzene	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
1,3-Dichlorobenzene	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
1,4-Dichlorobenzene	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
3,3-Dichlorobenzidine	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
2,4-Dinitrotoluene	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
2,6-Dinitrotoluene	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Hexachlorobenzene	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Hexachloro-1,3-butadiene	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Hexachlorocyclopentadiene	ND	<a href="#">C7</a>	362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Hexachloroethane	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Isophorone	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Nitrobenzene	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
n-Nitrosodimethylamine	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
n-Nitrosodiphenylamine	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
n-Nitrosodi-n-propylamine	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Phenanthrene	ND		36.2	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Benzylbutyl phthalate	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Bis(2-ethylhexyl)phtalate	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Di-n-butyl phthalate	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Diethyl phthalate	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Dimethyl phthalate	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Di-n-octyl phthalate	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
1,2,4-Trichlorobenzene	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
4-Chloro-3-methylphenol	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
2-Chlorophenol	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
2,4-Dichlorophenol	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
2,4-Dimethylphenol	ND	<a href="#">C3</a>	362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
4,6-Dinitro-2-methylphenol	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
2,4-Dinitrophenol	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
2-Nitrophenol	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
4-Nitrophenol	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Pentachlorophenol	ND	<a href="#">C3</a>	362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
Phenol	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
2,4,6-Trichlorophenol	ND		362	1	05/14/2025 21:37	<a href="#">WG2514852</a>
(S) 2-Fluorophenol	62.8		12.0-120		05/14/2025 21:37	<a href="#">WG2514852</a>
(S) Phenol-d5	58.5		10.0-120		05/14/2025 21:37	<a href="#">WG2514852</a>
(S) Nitrobenzene-d5	57.8		10.0-122		05/14/2025 21:37	<a href="#">WG2514852</a>
(S) 2-Fluorobiphenyl	51.7		15.0-120		05/14/2025 21:37	<a href="#">WG2514852</a>
(S) 2,4,6-Tribromophenol	60.8		10.0-127		05/14/2025 21:37	<a href="#">WG2514852</a>
(S) p-Terphenyl-d14	58.4		10.0-120		05/14/2025 21:37	<a href="#">WG2514852</a>

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

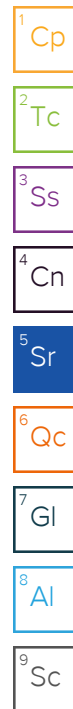
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	C3	50.0	1	05/14/2025 13:48	WG2514719
Acrolein	ND		50.0	1	05/14/2025 13:48	WG2514719
Acrylonitrile	ND		10.0	1	05/14/2025 13:48	WG2514719
Benzene	ND		1.00	1	05/14/2025 13:48	WG2514719
Bromobenzene	ND		1.00	1	05/14/2025 13:48	WG2514719
Bromodichloromethane	ND		1.00	1	05/14/2025 13:48	WG2514719
Bromoform	ND	C3	1.00	1	05/14/2025 13:48	WG2514719
Bromomethane	ND	C3	5.00	1	05/14/2025 13:48	WG2514719
n-Butylbenzene	ND		1.00	1	05/14/2025 13:48	WG2514719
sec-Butylbenzene	ND		1.00	1	05/14/2025 13:48	WG2514719
tert-Butylbenzene	ND		1.00	1	05/14/2025 13:48	WG2514719
Carbon tetrachloride	ND		1.00	1	05/14/2025 13:48	WG2514719
Chlorobenzene	ND		1.00	1	05/14/2025 13:48	WG2514719
Chlorodibromomethane	ND		1.00	1	05/14/2025 13:48	WG2514719
Chloroethane	ND		5.00	1	05/14/2025 13:48	WG2514719
Chloroform	ND		5.00	1	05/14/2025 13:48	WG2514719
Chloromethane	ND		2.50	1	05/14/2025 13:48	WG2514719
2-Chlorotoluene	ND		1.00	1	05/14/2025 13:48	WG2514719
4-Chlorotoluene	ND		1.00	1	05/14/2025 13:48	WG2514719
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	05/14/2025 13:48	WG2514719
1,2-Dibromoethane	ND		1.00	1	05/14/2025 13:48	WG2514719
Dibromomethane	ND		1.00	1	05/14/2025 13:48	WG2514719
1,2-Dichlorobenzene	ND		1.00	1	05/14/2025 13:48	WG2514719
1,3-Dichlorobenzene	ND		1.00	1	05/14/2025 13:48	WG2514719
1,4-Dichlorobenzene	ND		1.00	1	05/14/2025 13:48	WG2514719
Dichlorodifluoromethane	ND		5.00	1	05/14/2025 13:48	WG2514719
1,1-Dichloroethane	ND		1.00	1	05/14/2025 13:48	WG2514719
1,2-Dichloroethane	ND		1.00	1	05/14/2025 13:48	WG2514719
1,1-Dichloroethene	ND		1.00	1	05/14/2025 13:48	WG2514719
cis-1,2-Dichloroethene	ND		1.00	1	05/14/2025 13:48	WG2514719
trans-1,2-Dichloroethene	ND		1.00	1	05/14/2025 13:48	WG2514719
1,2-Dichloropropane	ND		1.00	1	05/14/2025 13:48	WG2514719
1,1-Dichloropropene	ND		1.00	1	05/14/2025 13:48	WG2514719
1,3-Dichloropropane	ND		1.00	1	05/14/2025 13:48	WG2514719
cis-1,3-Dichloropropene	ND		1.00	1	05/14/2025 13:48	WG2514719
trans-1,3-Dichloropropene	ND		1.00	1	05/14/2025 13:48	WG2514719
2,2-Dichloropropane	ND		1.00	1	05/14/2025 13:48	WG2514719
Di-isopropyl ether	ND		1.00	1	05/14/2025 13:48	WG2514719
Ethylbenzene	ND		1.00	1	05/14/2025 13:48	WG2514719
Hexachloro-1,3-butadiene	ND		1.00	1	05/14/2025 13:48	WG2514719
Isopropylbenzene	ND		1.00	1	05/14/2025 13:48	WG2514719
p-Isopropyltoluene	ND		1.00	1	05/14/2025 13:48	WG2514719
2-Butanone (MEK)	ND		10.0	1	05/14/2025 13:48	WG2514719
Methylene Chloride	ND		5.00	1	05/14/2025 13:48	WG2514719
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/14/2025 13:48	WG2514719
Methyl tert-butyl ether	ND		1.00	1	05/14/2025 13:48	WG2514719
Naphthalene	ND	C3	5.00	1	05/14/2025 13:48	WG2514719
n-Propylbenzene	ND		1.00	1	05/14/2025 13:48	WG2514719
Styrene	ND		1.00	1	05/14/2025 13:48	WG2514719
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/14/2025 13:48	WG2514719
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/14/2025 13:48	WG2514719
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/14/2025 13:48	WG2514719
Tetrachloroethene	ND		1.00	1	05/14/2025 13:48	WG2514719
Toluene	ND		1.00	1	05/14/2025 13:48	WG2514719
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 13:48	WG2514719
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/14/2025 13:48	WG2514719



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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	05/14/2025 13:48	<a href="#">WG2514719</a>
1,1,2-Trichloroethane	ND		1.00	1	05/14/2025 13:48	<a href="#">WG2514719</a>
Trichloroethene	ND		1.00	1	05/14/2025 13:48	<a href="#">WG2514719</a>
Trichlorofluoromethane	ND		5.00	1	05/14/2025 13:48	<a href="#">WG2514719</a>
1,2,3-Trichloropropane	ND		2.50	1	05/14/2025 13:48	<a href="#">WG2514719</a>
1,2,4-Trimethylbenzene	ND		1.00	1	05/14/2025 13:48	<a href="#">WG2514719</a>
1,2,3-Trimethylbenzene	ND		1.00	1	05/14/2025 13:48	<a href="#">WG2514719</a>
1,3,5-Trimethylbenzene	ND		1.00	1	05/14/2025 13:48	<a href="#">WG2514719</a>
Vinyl chloride	ND		1.00	1	05/14/2025 13:48	<a href="#">WG2514719</a>
Xylenes, Total	ND		3.00	1	05/14/2025 13:48	<a href="#">WG2514719</a>
(S) Toluene-d8	105		80.0-120		05/14/2025 13:48	<a href="#">WG2514719</a>
(S) 4-Bromofluorobenzene	96.7		77.0-126		05/14/2025 13:48	<a href="#">WG2514719</a>
(S) 1,2-Dichloroethane-d4	104		70.0-130		05/14/2025 13:48	<a href="#">WG2514719</a>

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4214977-1 05/14/25 12:59

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

L1858436-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1858436-01 05/14/25 12:59 • (DUP) R4214977-3 05/14/25 12:59

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	95.2	94.8	1	0.352		10

Laboratory Control Sample (LCS)

(LCS) R4214977-2 05/14/25 12:59

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.1	100	90.0-110	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4214928-1 05/14/25 23:17

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

L1858436-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1858436-01 05/14/25 23:20 • (DUP) R4214928-3 05/14/25 23:22

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

L1858440-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1858440-01 05/14/25 23:31 • (DUP) R4214928-4 05/14/25 23:37

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/kg	ug/kg		%		%
Ammonia Nitrogen	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4214928-2 05/14/25 23:19

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/kg	ug/kg	%	%	
Ammonia Nitrogen	250000	245000	97.9	90.0-110	

L1858453-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858453-05 05/15/25 00:01 • (MS) R4214928-5 05/15/25 00:02 • (MSD) R4214928-6 05/15/25 00:04

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/kg				%	%		%			%	%
Ammonia Nitrogen	305000	ND	310000	297000	102	97.6	1	90.0-110			4.10	20

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) R4215091-1 05/15/25 09:35

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

L1858436-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1858436-02 05/15/25 09:39 • (DUP) R4215091-7 05/15/25 09:41

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/kg	ug/kg		%		%
Kjeldahl Nitrogen, TKN	876000	1000000	5	13.3		20

L1858438-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1858438-01 05/15/25 09:44 • (DUP) R4215091-14 05/15/25 10:08

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/kg	ug/kg		%		%
Kjeldahl Nitrogen, TKN	1490000	1620000	5	8.82		20

Laboratory Control Sample (LCS)

(LCS) R4215091-3 05/15/25 09:36

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/kg	ug/kg	%	%	
Kjeldahl Nitrogen, TKN	480000	436000	90.9	81.7-124	

L1858436-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1858436-01 05/15/25 09:37 • (MS) R4215091-5 05/15/25 09:38

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/kg	ug/kg	ug/kg	%		%	
Kjeldahl Nitrogen, TKN	420000	683000	1170000	116	5	81.7-124	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1858453-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858453-05 05/15/25 10:05 • (MS) R4215091-10 05/15/25 10:06 • (MSD) R4215091-12 05/15/25 10:07

Analyte	Spike Amount (dry) ug/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	488000	415000	821000	835000	83.4	86.2	5	81.7-124			1.65	20

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R4214971-1 05/14/25 15:50

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

Laboratory Control Sample (LCS)

(LCS) R4214971-2 05/14/25 16:03

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/kg	ug/kg	%	%	
Nitrate-Nitrite	40000	36200	90.5	80.0-120	

L1858453-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858453-05 05/14/25 20:34 • (MS) R4214971-3 05/14/25 20:47 • (MSD) R4214971-4 05/14/25 21:01

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/kg				%	%		%			%	%
Nitrate-Nitrite	48800	ND	32700	35600	67.1	73.0	1	80.0-120	J6	J6	8.56	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4215288-1 05/15/25 14:02

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

L1858438-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1858438-01 05/15/25 14:03 • (DUP) R4215288-3 05/15/25 14:04

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/kg	ug/kg		%		%
TOC By Walkley Black	21000000	22700000	10	7.68		20

L1858444-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1858444-07 05/15/25 14:07 • (DUP) R4215288-4 05/15/25 14:08

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/kg	ug/kg		%		%
TOC By Walkley Black	5120000	4820000	5	6.11		20

Laboratory Control Sample (LCS)

(LCS) R4215288-2 05/15/25 14:03

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/kg	ug/kg	%	%	
TOC By Walkley Black	3230000	4190000	130	75.0-144	

L1858453-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858453-05 05/15/25 14:22 • (MS) R4215288-5 05/15/25 14:22 • (MSD) R4215288-6 05/15/25 14:22

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/kg	ug/kg	ug/kg	ug/kg	%	%		%			%	%
TOC By Walkley Black	40000000	7110000	51300000	51100000	111	110	10	80.0-120			0.516	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4214751-1 05/14/25 16:05

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Aluminum	U		6080	20000
Antimony	862	U	691	2000
Beryllium	U		47.7	200
Calcium	U		19000	100000
Cobalt	227	U	177	1000
Iron	U		2240	10000
Magnesium	U		19900	100000
Manganese	U		173	1000
Potassium	28400	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) R4214751-2 05/14/25 16:06

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000000	1060000	106	80.0-120	
Antimony	100000	109000	109	80.0-120	
Beryllium	100000	109000	109	80.0-120	
Calcium	1000000	1040000	104	80.0-120	
Cobalt	100000	97100	97.1	80.0-120	
Iron	1000000	1010000	101	80.0-120	
Magnesium	1000000	996000	99.6	80.0-120	
Manganese	100000	106000	106	80.0-120	
Potassium	1000000	1010000	101	80.0-120	
Sodium	1000000	1020000	102	80.0-120	
Thallium	100000	109000	109	80.0-120	
Vanadium	100000	99500	99.5	80.0-120	

L1858436-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858436-02 05/14/25 16:08 • (MS) R4214751-5 05/14/25 16:13 • (MSD) R4214751-6 05/14/25 16:15

Analyte	Spike Amount (dry) ug/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	1070000	3360000	5320000	5150000	184	168	1	75.0-125	J5	J5	3.27	20
Antimony	107000	ND	88000	82600	81.1	76.0	1	75.0-125			6.38	20

L1858436-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858436-02 05/14/25 16:08 • (MS) R4214751-5 05/14/25 16:13 • (MSD) R4214751-6 05/14/25 16:15

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	ug/kg				%	%		%			%	%
Beryllium	107000	343	104000	99800	97.5	93.3	1	75.0-125			4.41	20
Calcium	1070000	2760000	3800000	3790000	97.2	96.2	1	75.0-125			0.274	20
Cobalt	107000	2690	102000	96100	93.5	87.6	1	75.0-125			6.38	20
Iron	1070000	7130000	13400000	8330000	585	113	1	75.0-125	V	J3	46.4	20
Magnesium	1070000	1240000	2340000	2310000	103	101	1	75.0-125			1.10	20
Manganese	107000	186000	380000	292000	182	99.1	1	75.0-125	J5	J3	26.4	20
Potassium	1070000	963000	2010000	1940000	98.5	91.5	1	75.0-125			3.79	20
Sodium	1070000	ND	1070000	1070000	95.3	95.6	1	75.0-125			0.239	20
Thallium	107000	ND	56300	52700	52.8	49.5	1	75.0-125	J6	J6	6.55	20
Vanadium	107000	9540	116000	101000	99.9	85.7	1	75.0-125			14.0	20

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R4214853-2 05/14/25 10:42

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

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) R4214853-2 05/14/25 10:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	105			80.0-120
(S) 4-Bromofluorobenzene	97.7			77.0-126
(S) 1,2-Dichloroethane-d4	104			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4214853-1 05/14/25 10:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	17.6	70.4	19.0-160	
Acrolein	25.0	21.5	86.0	10.0-160	
Acrylonitrile	25.0	26.4	106	55.0-149	
Benzene	5.00	4.55	91.0	70.0-123	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS)

(LCS) R4214853-1 05/14/25 10:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Bromobenzene	5.00	4.16	83.2	73.0-121	
Bromodichloromethane	5.00	4.80	96.0	75.0-120	
Bromoform	5.00	3.97	79.4	68.0-132	
Bromomethane	5.00	2.55	51.0	10.0-160	
n-Butylbenzene	5.00	4.03	80.6	73.0-125	
sec-Butylbenzene	5.00	4.19	83.8	75.0-125	
tert-Butylbenzene	5.00	4.21	84.2	76.0-124	
Carbon tetrachloride	5.00	4.63	92.6	68.0-126	
Chlorobenzene	5.00	4.24	84.8	80.0-121	
Chlorodibromomethane	5.00	4.59	91.8	77.0-125	
Chloroethane	5.00	5.90	118	47.0-150	
Chloroform	5.00	4.48	89.6	73.0-120	
Chloromethane	5.00	5.23	105	41.0-142	
2-Chlorotoluene	5.00	4.08	81.6	76.0-123	
4-Chlorotoluene	5.00	4.11	82.2	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	3.63	72.6	58.0-134	
1,2-Dibromoethane	5.00	4.31	86.2	80.0-122	
Dibromomethane	5.00	4.73	94.6	80.0-120	
1,2-Dichlorobenzene	5.00	4.26	85.2	79.0-121	
1,3-Dichlorobenzene	5.00	4.37	87.4	79.0-120	
1,4-Dichlorobenzene	5.00	4.34	86.8	79.0-120	
Dichlorodifluoromethane	5.00	4.24	84.8	51.0-149	
1,1-Dichloroethane	5.00	5.10	102	70.0-126	
1,2-Dichloroethane	5.00	4.92	98.4	70.0-128	
1,1-Dichloroethene	5.00	4.29	85.8	71.0-124	
cis-1,2-Dichloroethene	5.00	4.56	91.2	73.0-120	
trans-1,2-Dichloroethene	5.00	4.62	92.4	73.0-120	
1,2-Dichloropropane	5.00	5.01	100	77.0-125	
1,1-Dichloropropene	5.00	4.29	85.8	74.0-126	
1,3-Dichloropropane	5.00	4.55	91.0	80.0-120	
cis-1,3-Dichloropropene	5.00	4.59	91.8	80.0-123	
trans-1,3-Dichloropropene	5.00	4.48	89.6	78.0-124	
2,2-Dichloropropane	5.00	5.15	103	58.0-130	
Di-isopropyl ether	5.00	5.92	118	58.0-138	
Ethylbenzene	5.00	4.16	83.2	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.28	85.6	54.0-138	
Isopropylbenzene	5.00	4.01	80.2	76.0-127	
p-Isopropyltoluene	5.00	4.22	84.4	76.0-125	
2-Butanone (MEK)	25.0	20.4	81.6	44.0-160	
Methylene Chloride	5.00	4.38	87.6	67.0-120	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Laboratory Control Sample (LCS)

(LCS) R4214853-1 05/14/25 10:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Methyl-2-pentanone (MIBK)	25.0	26.4	106	68.0-142	
Methyl tert-butyl ether	5.00	4.61	92.2	68.0-125	
Naphthalene	5.00	3.54	70.8	54.0-135	
n-Propylbenzene	5.00	4.07	81.4	77.0-124	
Styrene	5.00	4.06	81.2	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.27	85.4	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.30	86.0	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.27	85.4	69.0-132	
Tetrachloroethene	5.00	4.34	86.8	72.0-132	
Toluene	5.00	3.99	79.8	79.0-120	
1,2,3-Trichlorobenzene	5.00	3.94	78.8	50.0-138	
1,2,4-Trichlorobenzene	5.00	3.97	79.4	57.0-137	
1,1,1-Trichloroethane	5.00	4.82	96.4	73.0-124	
1,1,2-Trichloroethane	5.00	4.46	89.2	80.0-120	
Trichloroethene	5.00	4.54	90.8	78.0-124	
Trichlorofluoromethane	5.00	4.76	95.2	59.0-147	
1,2,3-Trichloropropane	5.00	4.51	90.2	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.17	83.4	76.0-121	
1,2,3-Trimethylbenzene	5.00	3.98	79.6	77.0-120	
1,3,5-Trimethylbenzene	5.00	4.10	82.0	76.0-122	
Vinyl chloride	5.00	4.94	98.8	67.0-131	
Xylenes, Total	15.0	12.5	83.3	79.0-123	
(S) Toluene-d8			101	80.0-120	
(S) 4-Bromofluorobenzene			97.1	77.0-126	
(S) 1,2-Dichloroethane-d4			111	70.0-130	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R4214737-3 05/14/25 11:15

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

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R4214737-3 05/14/25 11:15

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Methylene Chloride	U		6.64	25.0
4-Methyl-2-pentanone (MIBK)	U		2.28	25.0
Methyl tert-butyl ether	U		0.350	1.00
n-Propylbenzene	U		0.950	5.00
Styrene	U		0.229	12.5
1,1,1,2-Tetrachloroethane	U		0.948	2.50
1,1,2,2-Tetrachloroethane	U		0.695	2.50
1,1,2-Trichlorotrifluoroethane	U		0.754	2.50
Tetrachloroethene	U		0.896	2.50
1,2,3-Trichlorobenzene	U		7.33	12.5
1,2,4-Trichlorobenzene	U		4.40	12.5
1,1,1-Trichloroethane	U		0.923	2.50
1,1,2-Trichloroethane	U		0.597	2.50
Trichloroethene	U		0.584	1.00
Trichlorofluoromethane	U		0.827	2.50
1,2,3-Trichloropropane	U		1.62	12.5
1,2,3-Trimethylbenzene	U		1.58	5.00
Vinyl chloride	U		1.16	2.50
(S) Toluene-d8	101			75.0-131
(S) 4-Bromofluorobenzene	103			67.0-138
(S) 1,2-Dichloroethane-d4	96.6			70.0-130

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

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

(LCS) R4214737-1 05/14/25 09:41 • (LCSD) R4214737-2 05/14/25 10:00

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	625	514	940	82.2	150	10.0-160		J3	58.6	31
Acrylonitrile	625	683	791	109	127	45.0-153			14.7	22
Bromobenzene	125	119	123	95.2	98.4	73.0-121			3.31	20
Bromodichloromethane	125	128	132	102	106	73.0-121			3.08	20
Bromoform	125	110	120	88.0	96.0	64.0-132			8.70	20
Bromomethane	125	113	105	90.4	84.0	56.0-147			7.34	20
n-Butylbenzene	125	123	137	98.4	110	68.0-135			10.8	20
sec-Butylbenzene	125	124	130	99.2	104	74.0-130			4.72	20
tert-Butylbenzene	125	124	131	99.2	105	75.0-127			5.49	20
Carbon tetrachloride	125	124	130	99.2	104	66.0-128			4.72	20
Chlorobenzene	125	116	123	92.8	98.4	76.0-128			5.86	20
Chlorodibromomethane	125	118	125	94.4	100	74.0-127			5.76	20

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

(LCS) R4214737-1 05/14/25 09:41 • (LCSD) R4214737-2 05/14/25 10:00

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Chloroethane	125	120	112	96.0	89.6	61.0-134			6.90	20
Chloroform	125	129	133	103	106	72.0-123			3.05	20
Chloromethane	125	104	102	83.2	81.6	51.0-138			1.94	20
2-Chlorotoluene	125	123	126	98.4	101	75.0-124			2.41	20
4-Chlorotoluene	125	124	126	99.2	101	75.0-124			1.60	20
1,2-Dibromo-3-Chloropropane	125	124	148	99.2	118	59.0-130			17.6	20
1,2-Dibromoethane	125	126	131	101	105	74.0-128			3.89	20
Dibromomethane	125	126	130	101	104	75.0-122			3.12	20
1,2-Dichlorobenzene	125	122	135	97.6	108	76.0-124			10.1	20
1,3-Dichlorobenzene	125	121	128	96.8	102	76.0-125			5.62	20
1,4-Dichlorobenzene	125	115	125	92.0	100	77.0-121			8.33	20
Dichlorodifluoromethane	125	91.9	87.7	73.5	70.2	43.0-156			4.68	20
1,1-Dichloroethane	125	118	124	94.4	99.2	70.0-127			4.96	20
1,2-Dichloroethane	125	143	139	114	111	65.0-131			2.84	20
1,1-Dichloroethene	125	115	119	92.0	95.2	65.0-131			3.42	20
cis-1,2-Dichloroethene	125	119	125	95.2	100	73.0-125			4.92	20
trans-1,2-Dichloroethene	125	118	117	94.4	93.6	71.0-125			0.851	20
1,2-Dichloropropane	125	123	128	98.4	102	74.0-125			3.98	20
1,1-Dichloropropene	125	120	126	96.0	101	73.0-125			4.88	20
1,3-Dichloropropane	125	121	128	96.8	102	80.0-125			5.62	20
cis-1,3-Dichloropropene	125	128	130	102	104	76.0-127			1.55	20
trans-1,3-Dichloropropene	125	128	132	102	106	73.0-127			3.08	20
2,2-Dichloropropane	125	138	142	110	114	59.0-135			2.86	20
Di-isopropyl ether	125	127	134	102	107	60.0-136			5.36	20
Hexachloro-1,3-butadiene	125	120	142	96.0	114	57.0-150			16.8	20
Isopropylbenzene	125	120	135	96.0	108	72.0-127			11.8	20
p-Isopropyltoluene	125	125	137	100	110	72.0-133			9.16	20
2-Butanone (MEK)	625	784	971	125	155	30.0-160			21.3	24
Methylene Chloride	125	112	115	89.6	92.0	68.0-123			2.64	20
4-Methyl-2-pentanone (MIBK)	625	708	793	113	127	56.0-143			11.3	20
Methyl tert-butyl ether	125	128	144	102	115	66.0-132			11.8	20
n-Propylbenzene	125	118	125	94.4	100	74.0-126			5.76	20
Styrene	125	127	135	102	108	72.0-127			6.11	20
1,1,1,2-Tetrachloroethane	125	121	136	96.8	109	74.0-129			11.7	20
1,1,2,2-Tetrachloroethane	125	132	128	106	102	68.0-128			3.08	20
1,1,2-Trichlorotrifluoroethane	125	120	119	96.0	95.2	61.0-139			0.837	20
Tetrachloroethene	125	116	130	92.8	104	70.0-136			11.4	20
1,2,3-Trichlorobenzene	125	135	172	108	138	59.0-139		J3	24.1	20
1,2,4-Trichlorobenzene	125	131	166	105	133	62.0-137		J3	23.6	20
1,1,1-Trichloroethane	125	131	140	105	112	69.0-126			6.64	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4214737-1 05/14/25 09:41 • (LCSD) R4214737-2 05/14/25 10:00

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	126	133	101	106	78.0-123			5.41	20
Trichloroethene	125	125	135	100	108	76.0-126			7.69	20
Trichlorofluoromethane	125	119	120	95.2	96.0	61.0-142			0.837	20
1,2,3-Trichloropropane	125	128	134	102	107	67.0-129			4.58	20
1,2,3-Trimethylbenzene	125	116	125	92.8	100	74.0-124			7.47	20
Vinyl chloride	125	107	106	85.6	84.8	63.0-134			0.939	20
(S) Toluene-d8				100	99.3	75.0-131				
(S) 4-Bromofluorobenzene				101	102	67.0-138				
(S) 1,2-Dichloroethane-d4				103	99.4	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R4214940-2 05/14/25 19:47

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

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R4214940-2 05/14/25 19:47

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Pentachlorophenol	U		8.96	333
Phenol	U		13.4	333
2,4,6-Trichlorophenol	U		10.7	333
(S) 2-Fluorophenol	71.6			12.0-120
(S) Phenol-d5	66.2			10.0-120
(S) Nitrobenzene-d5	64.3			10.0-122
(S) 2-Fluorobiphenyl	62.2			15.0-120
(S) 2,4,6-Tribromophenol	59.8			10.0-127
(S) p-Terphenyl-d14	71.5			10.0-120

Laboratory Control Sample (LCS)

(LCS) R4214940-1 05/14/25 19:25

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	666	499	74.9	40.0-120	
Benzidine	1330	445	33.5	10.0-120	
Benzo(g,h,i)perylene	666	445	66.8	43.0-120	
Bis(2-chlorethoxy)methane	666	376	56.5	20.0-120	
Bis(2-chloroethyl)ether	666	351	52.7	16.0-120	
2,2-Oxybis(1-Chloropropane)	666	373	56.0	23.0-120	
4-Bromophenyl-phenylether	666	468	70.3	40.0-120	
2-Chloronaphthalene	666	437	65.6	35.0-120	
4-Chlorophenyl-phenylether	666	440	66.1	40.0-120	
1,2-Dichlorobenzene	666	417	62.6	32.0-120	
1,3-Dichlorobenzene	666	405	60.8	30.0-120	
1,4-Dichlorobenzene	666	430	64.6	31.0-120	
3,3-Dichlorobenzidine	1330	887	66.7	28.0-120	
2,4-Dinitrotoluene	666	486	73.0	45.0-120	
2,6-Dinitrotoluene	666	455	68.3	42.0-120	
Hexachlorobenzene	666	430	64.6	39.0-120	
Hexachloro-1,3-butadiene	666	326	48.9	15.0-120	
Hexachlorocyclopentadiene	666	275	41.3	15.0-120	
Hexachloroethane	666	426	64.0	17.0-120	
Isophorone	666	390	58.6	23.0-120	
Nitrobenzene	666	381	57.2	17.0-120	
n-Nitrosodimethylamine	666	406	61.0	10.0-125	
n-Nitrosodiphenylamine	666	450	67.6	40.0-120	
n-Nitrosodi-n-propylamine	666	468	70.3	26.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R4214940-1 05/14/25 19:25

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Phenanthrene	666	419	62.9	42.0-120	
Benzylbutyl phthalate	666	517	77.6	40.0-120	
Bis(2-ethylhexyl)phthalate	666	541	81.2	41.0-120	
Di-n-butyl phthalate	666	512	76.9	43.0-120	
Diethyl phthalate	666	491	73.7	43.0-120	
Dimethyl phthalate	666	486	73.0	43.0-120	
Di-n-octyl phthalate	666	496	74.5	40.0-120	
1,2,4-Trichlorobenzene	666	365	54.8	17.0-120	
4-Chloro-3-methylphenol	666	417	62.6	28.0-120	
2-Chlorophenol	666	418	62.8	28.0-120	
2,4-Dichlorophenol	666	384	57.7	25.0-120	
2,4-Dimethylphenol	666	374	56.2	15.0-120	
4,6-Dinitro-2-methylphenol	666	457	68.6	16.0-120	
2,4-Dinitrophenol	666	405	60.8	10.0-120	
2-Nitrophenol	666	431	64.7	20.0-120	
4-Nitrophenol	666	461	69.2	27.0-120	
Pentachlorophenol	666	303	45.5	29.0-120	
Phenol	666	444	66.7	28.0-120	
2,4,6-Trichlorophenol	666	429	64.4	37.0-120	
(S) 2-Fluorophenol			77.3	12.0-120	
(S) Phenol-d5			70.0	10.0-120	
(S) Nitrobenzene-d5			59.5	10.0-122	
(S) 2-Fluorobiphenyl			64.0	15.0-120	
(S) 2,4,6-Tribromophenol			70.4	10.0-127	
(S) p-Terphenyl-d14			68.5	10.0-120	

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

L1858453-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858453-05 05/15/25 00:11 • (MS) R4214940-3 05/15/25 00:34 • (MSD) R4214940-4 05/15/25 00:56

Analyte	Spike Amount (dry) ug/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acenaphthylene	804	ND	557	528	69.2	66.2	1	25.0-120			5.39	32
Benzidine	1610	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	804	ND	400	373	49.7	46.8	1	10.0-120			6.94	33
Bis(2-chlorethoxy)methane	804	ND	406	ND	50.5	49.5	1	10.0-120			2.74	34
Bis(2-chloroethyl)ether	804	ND	468	466	58.2	58.4	1	10.0-120			0.522	40
2,2-Oxybis(1-Chloropropane)	804	ND	419	ND	52.1	50.5	1	10.0-120			4.15	40
4-Bromophenyl-phenylether	804	ND	523	499	65.0	62.5	1	27.0-120			4.77	30
2-Chloronaphthalene	804	ND	485	449	60.3	56.3	1	20.0-120			7.83	32

L1858453-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858453-05 05/15/25 00:11 • (MS) R4214940-3 05/15/25 00:34 • (MSD) R4214940-4 05/15/25 00:56

Analyte	Spike Amount (dry) ug/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Chlorophenyl-phenylether	804	ND	495	470	61.5	59.0	1	24.0-120			5.05	29
1,2-Dichlorobenzene	804	ND	434	424	53.9	53.2	1	10.0-120			2.27	38
1,3-Dichlorobenzene	804	ND	427	413	53.0	51.8	1	10.0-120			3.19	40
1,4-Dichlorobenzene	804	ND	446	431	55.5	54.1	1	10.0-120			3.33	39
3,3-Dichlorobenzidine	1610	ND	718	665	44.6	41.7	1	10.0-120			7.58	34
2,4-Dinitrotoluene	804	ND	540	501	67.1	62.8	1	30.0-120			7.49	31
2,6-Dinitrotoluene	804	ND	517	492	64.2	61.8	1	25.0-120			4.83	31
Hexachlorobenzene	804	ND	481	452	59.8	56.7	1	27.0-120			6.27	28
Hexachloro-1,3-butadiene	804	ND	ND	ND	44.4	43.0	1	10.0-120			4.18	38
Hexachlorocyclopentadiene	804	ND	ND	ND	12.5	11.7	1	10.0-120			7.55	40
Hexachloroethane	804	ND	ND	ND	49.1	47.1	1	10.0-120			5.06	40
Isophorone	804	ND	424	414	52.7	52.0	1	13.0-120			2.33	34
Nitrobenzene	804	ND	418	ND	52.0	50.6	1	10.0-120			3.56	36
n-Nitrosodimethylamine	804	ND	ND	ND	47.9	45.6	1	10.0-127			5.86	40
n-Nitrosodiphenylamine	804	ND	494	473	61.4	59.3	1	17.0-120			4.29	29
n-Nitrosodi-n-propylamine	804	ND	545	514	67.7	64.5	1	10.0-120			5.75	37
Phenanthrene	804	ND	474	455	58.9	57.0	1	17.0-120			4.20	31
Benzylbutyl phthalate	804	ND	664	630	82.6	79.1	1	23.0-120			5.27	30
Bis(2-ethylhexyl)phthalate	804	ND	679	644	84.4	80.7	1	17.0-126			5.35	30
Di-n-butyl phthalate	804	ND	611	585	75.9	73.4	1	30.0-120			4.28	29
Diethyl phthalate	804	ND	564	531	70.2	66.7	1	26.0-120			6.01	28
Dimethyl phthalate	804	ND	538	512	66.8	64.2	1	25.0-120			4.88	29
Di-n-octyl phthalate	804	ND	683	644	84.8	80.7	1	21.0-123			5.88	29
1,2,4-Trichlorobenzene	804	ND	ND	ND	48.2	47.6	1	12.0-120			2.23	37
4-Chloro-3-methylphenol	804	ND	491	477	61.1	59.8	1	15.0-120			3.02	30
2-Chlorophenol	804	ND	455	434	56.5	54.4	1	15.0-120			4.66	37
2,4-Dichlorophenol	804	ND	431	410	53.6	51.4	1	20.0-120			5.22	31
2,4-Dimethylphenol	804	ND	412	ND	51.2	49.5	1	10.0-120			4.23	33
4,6-Dinitro-2-methylphenol	804	ND	428	ND	53.2	45.1	1	10.0-120			17.3	39
2,4-Dinitrophenol	804	ND	430	ND	53.5	46.3	1	10.0-121			15.2	40
2-Nitrophenol	804	ND	490	464	60.9	58.3	1	12.0-120			5.36	39
4-Nitrophenol	804	ND	594	551	73.8	69.1	1	10.0-137			7.45	32
Pentachlorophenol	804	ND	444	423	55.2	53.1	1	10.0-160			4.78	31
Phenol	804	ND	500	469	62.1	58.9	1	12.0-120			6.29	38
2,4,6-Trichlorophenol	804	ND	512	491	63.6	61.6	1	19.0-120			4.13	32
(S) 2-Fluorophenol					69.4	66.5		12.0-120				
(S) Phenol-d5					65.8	61.9		10.0-120				
(S) Nitrobenzene-d5					53.3	52.0		10.0-122				
(S) 2-Fluorobiphenyl					59.7	55.7		15.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1858453-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858453-05 05/15/25 00:11 • (MS) R4214940-3 05/15/25 00:34 • (MSD) R4214940-4 05/15/25 00:56

Analyte	Spike Amount (dry) ug/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
(S) 2,4,6-Tribromophenol					70.6	68.7		10.0-127				
(S) p-Terphenyl-d14					64.8	61.2		10.0-120				

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

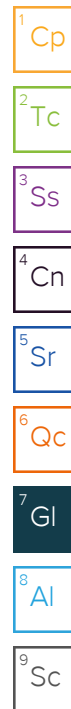
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C7	The initial calibration verification standard (SSCV) associated with this data responded high.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	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 <sup>1 6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1 4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	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 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.

