ANALYTICAL REPORT

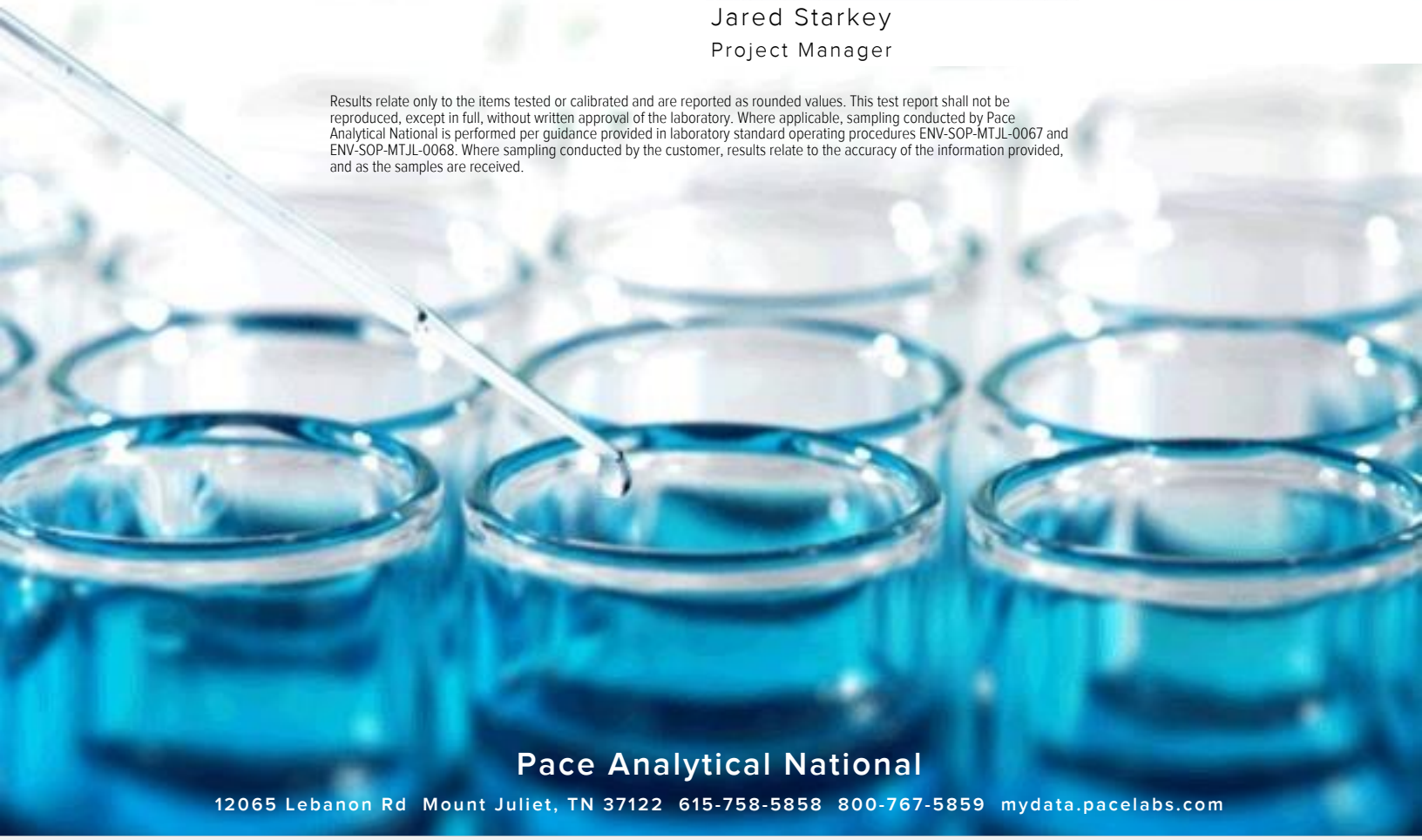
May 16, 2025

CTEH - ER

Sample Delivery Group:	L1858929
Samples Received:	05/15/2025
Project Number:	PROJ-054017
Description:	Bishop Loss of Containment Incident
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

GACO0514T016S001 L1858929-01

Collected by: Daniel Crawford | Collected date/time: 05/14/25 10:35 | Received date/time: 05/15/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2515771	1	05/15/25 14:09	05/16/25 10:58	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2515685	1	05/15/25 11:07	05/15/25 11:13	MT	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2515898	1	05/15/25 21:08	05/16/25 01:33	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2515891	5	05/15/25 21:03	05/16/25 10:58	KMB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2515771	1.05	05/15/25 14:09	05/15/25 21:27	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2515983	5	05/15/25 10:00	05/16/25 14:49	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2515776	1	05/15/25 12:11	05/15/25 16:08	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2515743	1	05/14/25 10:35	05/15/25 16:18	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2515764	1	05/15/25 12:38	05/15/25 22:18	JRM	Mt. Juliet, TN

GACO0514T016C001 L1858929-02

Collected by: Daniel Crawford | Collected date/time: 05/14/25 10:35 | Received date/time: 05/15/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2515771	1	05/15/25 14:09	05/16/25 10:59	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2515685	1	05/15/25 11:07	05/15/25 11:13	MT	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2515898	1	05/15/25 21:08	05/16/25 01:34	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2515891	5	05/15/25 21:03	05/16/25 10:59	KMB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2515771	1.04	05/15/25 14:09	05/15/25 21:44	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2515983	5	05/15/25 10:00	05/16/25 14:49	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2515776	1	05/15/25 12:11	05/15/25 16:09	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2515743	1	05/14/25 10:35	05/15/25 16:37	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2515764	1	05/15/25 12:38	05/15/25 22:39	JRM	Mt. Juliet, TN

GACO0514T016S002 L1858929-03

Collected by: Daniel Crawford | Collected date/time: 05/14/25 11:00 | Received date/time: 05/15/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2515771	1	05/15/25 14:09	05/16/25 11:00	KMB	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2515685	1	05/15/25 11:07	05/15/25 11:13	MT	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2515898	1	05/15/25 21:08	05/16/25 01:36	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2515891	5	05/15/25 21:03	05/16/25 11:00	KMB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2515771	1.05	05/15/25 14:09	05/15/25 22:00	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2515983	5	05/15/25 10:00	05/16/25 14:49	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2515776	1	05/15/25 12:11	05/15/25 16:11	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2515743	1	05/14/25 11:00	05/15/25 16:56	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2515764	2	05/15/25 12:38	05/16/25 04:19	JTO	Mt. Juliet, TN

GACO0514T016T001 L1858929-04

Collected by: Daniel Crawford | Collected date/time: 05/14/25 07:00 | Received date/time: 05/15/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2515567	1	05/15/25 11:40	05/15/25 11:40	NCD	Mt. Juliet, TN

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

Jared Starkey
Project Manager

Wet Chemistry by Method 4500NOrg D-2021

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

Batch	Lab Sample ID	Analytes
WG2515891	(MS) R4215781-8	Kjeldahl Nitrogen, TKN

Wet Chemistry by Method WALKLEY-BLACK

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

Batch	Lab Sample ID	Analytes
WG2515983	(MS) R4215902-6, (MS) R4215902-4, (MSD) R4215902-5, (MSD) R4215902-7	TOC By Walkley Black

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2515776	(MS) R4215438-5	Calcium

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

Batch	Lab Sample ID	Analytes
WG2515776	(MS) R4215438-5, (MSD) R4215438-6	Iron

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

Batch	Lab Sample ID	Analytes
WG2515776	(MS) R4215438-5, (MSD) R4215438-6	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
WG2515567	L1858929-04	1,2,3-Trichlorobenzene and Carbon tetrachloride
WG2515743	L1858929-01	1,2-Dibromo-3-Chloropropane, Acetone and Bromoform
WG2515743	L1858929-02	1,2-Dibromo-3-Chloropropane, Acetone and Bromoform
WG2515743	L1858929-03	1,2-Dibromo-3-Chloropropane, Acetone and Bromoform

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

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

Batch	Lab Sample ID	Analytes
WG2515567	(LCS) R4215570-1, L1858929-04	1,1,2-Trichloroethane and Acetone

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

Batch	Lab Sample ID	Analytes
WG2515567	(LCS) R4215570-1, L1858929-04	1,2,3-Trichlorobenzene

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

Batch	Lab Sample ID	Analytes
WG2515567	(MS) R4215570-3	Acrolein
WG2515743	(MS) R4215713-4, (MSD) R4215713-5	Acetone

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

Batch	Lab Sample ID	Analytes
WG2515743	(MSD) R4215713-5	31 analytes

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
WG2515764	L1858929-01	2,2-Oxybis(1-Chloropropane), 4-Nitrophenol, Hexachlorocyclopentadiene, n-Nitrosodimethylamine, n-Nitrosodi-n-propylamine and Phenol
WG2515764	L1858929-02	2,2-Oxybis(1-Chloropropane), 4-Nitrophenol, Hexachlorocyclopentadiene, n-Nitrosodimethylamine, n-Nitrosodi-n-propylamine and Phenol
WG2515764	L1858929-03	2,2-Oxybis(1-Chloropropane), 4-Nitrophenol, Hexachlorocyclopentadiene, n-Nitrosodimethylamine, n-Nitrosodi-n-propylamine and Phenol

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

Batch	Lab Sample ID	Analytes
WG2515764	(MS) R4215583-5, (MSD) R4215583-6	Benzidine and Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2515764	(MSD) R4215583-6	Benzidine

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1900000		23500	1	05/16/2025 10:58	WG2515771

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.2		1	05/15/2025 11:13	WG2515685

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11200	1	05/16/2025 01:33	WG2515898

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1860000		112000	5	05/16/2025 10:58	WG2515891

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	38600		23500	1.05	05/15/2025 21:27	WG2515771

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	21900000		500000	5	05/16/2025 14:49	WG2515983

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	4770000		22400	1	05/15/2025 16:08	WG2515776
Antimony	ND		2240	1	05/15/2025 16:08	WG2515776
Beryllium	407		224	1	05/15/2025 16:08	WG2515776
Calcium	6560000		112000	1	05/15/2025 16:08	WG2515776
Cobalt	3700		1120	1	05/15/2025 16:08	WG2515776
Iron	6370000		11200	1	05/15/2025 16:08	WG2515776
Magnesium	2620000		112000	1	05/15/2025 16:08	WG2515776
Manganese	189000		1120	1	05/15/2025 16:08	WG2515776
Potassium	2070000		112000	1	05/15/2025 16:08	WG2515776
Sodium	617000		112000	1	05/15/2025 16:08	WG2515776
Thallium	ND		2240	1	05/15/2025 16:08	WG2515776
Vanadium	11800		2240	1	05/15/2025 16:08	WG2515776

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	62.1	1	05/15/2025 16:18	WG2515743
Acrylonitrile	ND		15.5	1	05/15/2025 16:18	WG2515743
Bromobenzene	ND		15.5	1	05/15/2025 16:18	WG2515743
Bromodichloromethane	ND		3.11	1	05/15/2025 16:18	WG2515743
Bromoform	ND	C3	31.1	1	05/15/2025 16:18	WG2515743
Bromomethane	ND		15.5	1	05/15/2025 16:18	WG2515743

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		15.5	1	05/15/2025 16:18	WG2515743
sec-Butylbenzene	ND		15.5	1	05/15/2025 16:18	WG2515743
tert-Butylbenzene	ND		6.21	1	05/15/2025 16:18	WG2515743
Carbon tetrachloride	ND		6.21	1	05/15/2025 16:18	WG2515743
Chlorobenzene	ND		3.11	1	05/15/2025 16:18	WG2515743
Chlorodibromomethane	ND		3.11	1	05/15/2025 16:18	WG2515743
Chloroethane	ND		6.21	1	05/15/2025 16:18	WG2515743
Chloroform	ND		3.11	1	05/15/2025 16:18	WG2515743
Chloromethane	ND		15.5	1	05/15/2025 16:18	WG2515743
2-Chlorotoluene	ND		3.11	1	05/15/2025 16:18	WG2515743
4-Chlorotoluene	ND		6.21	1	05/15/2025 16:18	WG2515743
1,2-Dibromo-3-Chloropropane	ND	C3	31.1	1	05/15/2025 16:18	WG2515743
1,2-Dibromoethane	ND		3.11	1	05/15/2025 16:18	WG2515743
Dibromomethane	ND		6.21	1	05/15/2025 16:18	WG2515743
1,2-Dichlorobenzene	ND		6.21	1	05/15/2025 16:18	WG2515743
1,3-Dichlorobenzene	ND		6.21	1	05/15/2025 16:18	WG2515743
1,4-Dichlorobenzene	ND		6.21	1	05/15/2025 16:18	WG2515743
Dichlorodifluoromethane	ND		6.21	1	05/15/2025 16:18	WG2515743
1,1-Dichloroethane	ND		3.11	1	05/15/2025 16:18	WG2515743
1,2-Dichloroethane	ND		3.11	1	05/15/2025 16:18	WG2515743
1,1-Dichloroethene	ND		3.11	1	05/15/2025 16:18	WG2515743
cis-1,2-Dichloroethene	ND		3.11	1	05/15/2025 16:18	WG2515743
trans-1,2-Dichloroethene	ND		6.21	1	05/15/2025 16:18	WG2515743
1,2-Dichloropropane	ND		6.21	1	05/15/2025 16:18	WG2515743
1,1-Dichloropropene	ND		3.11	1	05/15/2025 16:18	WG2515743
1,3-Dichloropropane	ND		6.21	1	05/15/2025 16:18	WG2515743
cis-1,3-Dichloropropene	ND		3.11	1	05/15/2025 16:18	WG2515743
trans-1,3-Dichloropropene	ND		6.21	1	05/15/2025 16:18	WG2515743
2,2-Dichloropropane	ND		3.11	1	05/15/2025 16:18	WG2515743
Di-isopropyl ether	ND		1.24	1	05/15/2025 16:18	WG2515743
Hexachloro-1,3-butadiene	ND		31.1	1	05/15/2025 16:18	WG2515743
Isopropylbenzene	ND		3.11	1	05/15/2025 16:18	WG2515743
p-Isopropyltoluene	ND		6.21	1	05/15/2025 16:18	WG2515743
2-Butanone (MEK)	ND		124	1	05/15/2025 16:18	WG2515743
Methylene Chloride	ND		31.1	1	05/15/2025 16:18	WG2515743
4-Methyl-2-pentanone (MIBK)	ND		31.1	1	05/15/2025 16:18	WG2515743
Methyl tert-butyl ether	ND		1.24	1	05/15/2025 16:18	WG2515743
n-Propylbenzene	ND		6.21	1	05/15/2025 16:18	WG2515743
Styrene	ND		15.5	1	05/15/2025 16:18	WG2515743
1,1,1,2-Tetrachloroethane	ND		3.11	1	05/15/2025 16:18	WG2515743
1,1,2,2-Tetrachloroethane	ND		3.11	1	05/15/2025 16:18	WG2515743
1,1,2-Trichlorotrifluoroethane	ND		3.11	1	05/15/2025 16:18	WG2515743
Tetrachloroethene	ND		3.11	1	05/15/2025 16:18	WG2515743
1,2,3-Trichlorobenzene	ND		15.5	1	05/15/2025 16:18	WG2515743
1,2,4-Trichlorobenzene	ND		15.5	1	05/15/2025 16:18	WG2515743
1,1,1-Trichloroethane	ND		3.11	1	05/15/2025 16:18	WG2515743
1,1,2-Trichloroethane	ND		3.11	1	05/15/2025 16:18	WG2515743
Trichloroethene	ND		1.24	1	05/15/2025 16:18	WG2515743
Trichlorofluoromethane	ND		3.11	1	05/15/2025 16:18	WG2515743
1,2,3-Trichloropropane	ND		15.5	1	05/15/2025 16:18	WG2515743
1,2,3-Trimethylbenzene	ND		6.21	1	05/15/2025 16:18	WG2515743
Vinyl chloride	ND		3.11	1	05/15/2025 16:18	WG2515743
(S) Toluene-d8	*100*		*75.0-131*		*05/15/2025 16:18*	WG2515743
(S) 4-Bromofluorobenzene	*104*		*67.0-138*		*05/15/2025 16:18*	WG2515743
(S) 1,2-Dichloroethane-d4	*96.9*		*70.0-130*		*05/15/2025 16:18*	WG2515743

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		37.3	1	05/15/2025 22:18	WG2515764
Benzidine	ND		1870	1	05/15/2025 22:18	WG2515764
Benzo(g,h,i)perylene	ND		37.3	1	05/15/2025 22:18	WG2515764
Bis(2-chlorethoxy)methane	ND		373	1	05/15/2025 22:18	WG2515764
Bis(2-chloroethyl)ether	ND		373	1	05/15/2025 22:18	WG2515764
2,2-Oxybis(1-Chloropropane)	ND	C3	373	1	05/15/2025 22:18	WG2515764
4-Bromophenyl-phenylether	ND		373	1	05/15/2025 22:18	WG2515764
2-Chloronaphthalene	ND		37.3	1	05/15/2025 22:18	WG2515764
4-Chlorophenyl-phenylether	ND		373	1	05/15/2025 22:18	WG2515764
1,2-Dichlorobenzene	ND		373	1	05/15/2025 22:18	WG2515764
1,3-Dichlorobenzene	ND		373	1	05/15/2025 22:18	WG2515764
1,4-Dichlorobenzene	ND		373	1	05/15/2025 22:18	WG2515764
3,3-Dichlorobenzidine	ND		373	1	05/15/2025 22:18	WG2515764
2,4-Dinitrotoluene	ND		373	1	05/15/2025 22:18	WG2515764
2,6-Dinitrotoluene	ND		373	1	05/15/2025 22:18	WG2515764
Hexachlorobenzene	ND		373	1	05/15/2025 22:18	WG2515764
Hexachloro-1,3-butadiene	ND		373	1	05/15/2025 22:18	WG2515764
Hexachlorocyclopentadiene	ND	C3	373	1	05/15/2025 22:18	WG2515764
Hexachloroethane	ND		373	1	05/15/2025 22:18	WG2515764
Isophorone	ND		373	1	05/15/2025 22:18	WG2515764
Nitrobenzene	ND		373	1	05/15/2025 22:18	WG2515764
n-Nitrosodimethylamine	ND	C3	373	1	05/15/2025 22:18	WG2515764
n-Nitrosodiphenylamine	ND		373	1	05/15/2025 22:18	WG2515764
n-Nitrosodi-n-propylamine	ND	C3	373	1	05/15/2025 22:18	WG2515764
Phenanthrene	ND		37.3	1	05/15/2025 22:18	WG2515764
Benzylbutyl phthalate	ND		373	1	05/15/2025 22:18	WG2515764
Bis(2-ethylhexyl)phthalate	ND		373	1	05/15/2025 22:18	WG2515764
Di-n-butyl phthalate	ND		373	1	05/15/2025 22:18	WG2515764
Diethyl phthalate	ND		373	1	05/15/2025 22:18	WG2515764
Dimethyl phthalate	ND		373	1	05/15/2025 22:18	WG2515764
Di-n-octyl phthalate	ND		373	1	05/15/2025 22:18	WG2515764
1,2,4-Trichlorobenzene	ND		373	1	05/15/2025 22:18	WG2515764
4-Chloro-3-methylphenol	ND		373	1	05/15/2025 22:18	WG2515764
2-Chlorophenol	ND		373	1	05/15/2025 22:18	WG2515764
2,4-Dichlorophenol	ND		373	1	05/15/2025 22:18	WG2515764
2,4-Dimethylphenol	ND		373	1	05/15/2025 22:18	WG2515764
4,6-Dinitro-2-methylphenol	ND		373	1	05/15/2025 22:18	WG2515764
2,4-Dinitrophenol	ND		373	1	05/15/2025 22:18	WG2515764
2-Nitrophenol	ND		373	1	05/15/2025 22:18	WG2515764
4-Nitrophenol	ND	C3	373	1	05/15/2025 22:18	WG2515764
Pentachlorophenol	ND		373	1	05/15/2025 22:18	WG2515764
Phenol	ND	C3	373	1	05/15/2025 22:18	WG2515764
2,4,6-Trichlorophenol	ND		373	1	05/15/2025 22:18	WG2515764
(S) 2-Fluorophenol	*66.0*		*12.0-120*		*05/15/2025 22:18*	WG2515764
(S) Phenol-d5	*55.7*		*10.0-120*		*05/15/2025 22:18*	WG2515764
(S) Nitrobenzene-d5	*58.3*		*10.0-122*		*05/15/2025 22:18*	WG2515764
(S) 2-Fluorobiphenyl	*67.7*		*15.0-120*		*05/15/2025 22:18*	WG2515764
(S) 2,4,6-Tribromophenol	*82.0*		*10.0-127*		*05/15/2025 22:18*	WG2515764
(S) p-Terphenyl-d14	*76.1*		*10.0-120*		*05/15/2025 22:18*	WG2515764

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1060000		23700	1	05/16/2025 10:59	WG2515771

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.9		1	05/15/2025 11:13	WG2515685

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11400	1	05/16/2025 01:34	WG2515898

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1030000		114000	5	05/16/2025 10:59	WG2515891

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	38000		23700	1.04	05/15/2025 21:44	WG2515771

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	10100000		500000	5	05/16/2025 14:49	WG2515983

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	3810000		22700	1	05/15/2025 16:09	WG2515776
Antimony	ND		2270	1	05/15/2025 16:09	WG2515776
Beryllium	381		227	1	05/15/2025 16:09	WG2515776
Calcium	11400000		114000	1	05/15/2025 16:09	WG2515776
Cobalt	3690		1140	1	05/15/2025 16:09	WG2515776
Iron	6360000		11400	1	05/15/2025 16:09	WG2515776
Magnesium	2390000		114000	1	05/15/2025 16:09	WG2515776
Manganese	228000		1140	1	05/15/2025 16:09	WG2515776
Potassium	1480000		114000	1	05/15/2025 16:09	WG2515776
Sodium	1080000		114000	1	05/15/2025 16:09	WG2515776
Thallium	ND		2270	1	05/15/2025 16:09	WG2515776
Vanadium	12500		2270	1	05/15/2025 16:09	WG2515776

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	63.7	1	05/15/2025 16:37	WG2515743
Acrylonitrile	ND		15.9	1	05/15/2025 16:37	WG2515743
Bromobenzene	ND		15.9	1	05/15/2025 16:37	WG2515743
Bromodichloromethane	ND		3.19	1	05/15/2025 16:37	WG2515743
Bromoform	ND	C3	31.9	1	05/15/2025 16:37	WG2515743
Bromomethane	ND		15.9	1	05/15/2025 16:37	WG2515743

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		15.9	1	05/15/2025 16:37	WG2515743
sec-Butylbenzene	ND		15.9	1	05/15/2025 16:37	WG2515743
tert-Butylbenzene	ND		6.37	1	05/15/2025 16:37	WG2515743
Carbon tetrachloride	ND		6.37	1	05/15/2025 16:37	WG2515743
Chlorobenzene	ND		3.19	1	05/15/2025 16:37	WG2515743
Chlorodibromomethane	ND		3.19	1	05/15/2025 16:37	WG2515743
Chloroethane	ND		6.37	1	05/15/2025 16:37	WG2515743
Chloroform	ND		3.19	1	05/15/2025 16:37	WG2515743
Chloromethane	ND		15.9	1	05/15/2025 16:37	WG2515743
2-Chlorotoluene	ND		3.19	1	05/15/2025 16:37	WG2515743
4-Chlorotoluene	ND		6.37	1	05/15/2025 16:37	WG2515743
1,2-Dibromo-3-Chloropropane	ND	C3	31.9	1	05/15/2025 16:37	WG2515743
1,2-Dibromoethane	ND		3.19	1	05/15/2025 16:37	WG2515743
Dibromomethane	ND		6.37	1	05/15/2025 16:37	WG2515743
1,2-Dichlorobenzene	ND		6.37	1	05/15/2025 16:37	WG2515743
1,3-Dichlorobenzene	ND		6.37	1	05/15/2025 16:37	WG2515743
1,4-Dichlorobenzene	ND		6.37	1	05/15/2025 16:37	WG2515743
Dichlorodifluoromethane	ND		6.37	1	05/15/2025 16:37	WG2515743
1,1-Dichloroethane	ND		3.19	1	05/15/2025 16:37	WG2515743
1,2-Dichloroethane	ND		3.19	1	05/15/2025 16:37	WG2515743
1,1-Dichloroethene	ND		3.19	1	05/15/2025 16:37	WG2515743
cis-1,2-Dichloroethene	ND		3.19	1	05/15/2025 16:37	WG2515743
trans-1,2-Dichloroethene	ND		6.37	1	05/15/2025 16:37	WG2515743
1,2-Dichloropropane	ND		6.37	1	05/15/2025 16:37	WG2515743
1,1-Dichloropropene	ND		3.19	1	05/15/2025 16:37	WG2515743
1,3-Dichloropropane	ND		6.37	1	05/15/2025 16:37	WG2515743
cis-1,3-Dichloropropene	ND		3.19	1	05/15/2025 16:37	WG2515743
trans-1,3-Dichloropropene	ND		6.37	1	05/15/2025 16:37	WG2515743
2,2-Dichloropropane	ND		3.19	1	05/15/2025 16:37	WG2515743
Di-isopropyl ether	ND		1.27	1	05/15/2025 16:37	WG2515743
Hexachloro-1,3-butadiene	ND		31.9	1	05/15/2025 16:37	WG2515743
Isopropylbenzene	ND		3.19	1	05/15/2025 16:37	WG2515743
p-Isopropyltoluene	ND		6.37	1	05/15/2025 16:37	WG2515743
2-Butanone (MEK)	ND		127	1	05/15/2025 16:37	WG2515743
Methylene Chloride	ND		31.9	1	05/15/2025 16:37	WG2515743
4-Methyl-2-pentanone (MIBK)	ND		31.9	1	05/15/2025 16:37	WG2515743
Methyl tert-butyl ether	ND		1.27	1	05/15/2025 16:37	WG2515743
n-Propylbenzene	ND		6.37	1	05/15/2025 16:37	WG2515743
Styrene	ND		15.9	1	05/15/2025 16:37	WG2515743
1,1,1,2-Tetrachloroethane	ND		3.19	1	05/15/2025 16:37	WG2515743
1,1,2,2-Tetrachloroethane	ND		3.19	1	05/15/2025 16:37	WG2515743
1,1,2-Trichlorotrifluoroethane	ND		3.19	1	05/15/2025 16:37	WG2515743
Tetrachloroethene	ND		3.19	1	05/15/2025 16:37	WG2515743
1,2,3-Trichlorobenzene	ND		15.9	1	05/15/2025 16:37	WG2515743
1,2,4-Trichlorobenzene	ND		15.9	1	05/15/2025 16:37	WG2515743
1,1,1-Trichloroethane	ND		3.19	1	05/15/2025 16:37	WG2515743
1,1,2-Trichloroethane	ND		3.19	1	05/15/2025 16:37	WG2515743
Trichloroethene	ND		1.27	1	05/15/2025 16:37	WG2515743
Trichlorofluoromethane	ND		3.19	1	05/15/2025 16:37	WG2515743
1,2,3-Trichloropropane	ND		15.9	1	05/15/2025 16:37	WG2515743
1,2,3-Trimethylbenzene	ND		6.37	1	05/15/2025 16:37	WG2515743
Vinyl chloride	ND		3.19	1	05/15/2025 16:37	WG2515743
(S) Toluene-d8	*99.4*		*75.0-131*		*05/15/2025 16:37*	WG2515743
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*05/15/2025 16:37*	WG2515743
(S) 1,2-Dichloroethane-d4	*96.9*		*70.0-130*		*05/15/2025 16:37*	WG2515743

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		37.9	1	05/15/2025 22:39	WG2515764
Benzidine	ND		1900	1	05/15/2025 22:39	WG2515764
Benzo(g,h,i)perylene	ND		37.9	1	05/15/2025 22:39	WG2515764
Bis(2-chlorethoxy)methane	ND		379	1	05/15/2025 22:39	WG2515764
Bis(2-chloroethyl)ether	ND		379	1	05/15/2025 22:39	WG2515764
2,2-Oxybis(1-Chloropropane)	ND	C3	379	1	05/15/2025 22:39	WG2515764
4-Bromophenyl-phenylether	ND		379	1	05/15/2025 22:39	WG2515764
2-Chloronaphthalene	ND		37.9	1	05/15/2025 22:39	WG2515764
4-Chlorophenyl-phenylether	ND		379	1	05/15/2025 22:39	WG2515764
1,2-Dichlorobenzene	ND		379	1	05/15/2025 22:39	WG2515764
1,3-Dichlorobenzene	ND		379	1	05/15/2025 22:39	WG2515764
1,4-Dichlorobenzene	ND		379	1	05/15/2025 22:39	WG2515764
3,3-Dichlorobenzidine	ND		379	1	05/15/2025 22:39	WG2515764
2,4-Dinitrotoluene	ND		379	1	05/15/2025 22:39	WG2515764
2,6-Dinitrotoluene	ND		379	1	05/15/2025 22:39	WG2515764
Hexachlorobenzene	ND		379	1	05/15/2025 22:39	WG2515764
Hexachloro-1,3-butadiene	ND		379	1	05/15/2025 22:39	WG2515764
Hexachlorocyclopentadiene	ND	C3	379	1	05/15/2025 22:39	WG2515764
Hexachloroethane	ND		379	1	05/15/2025 22:39	WG2515764
Isophorone	ND		379	1	05/15/2025 22:39	WG2515764
Nitrobenzene	ND		379	1	05/15/2025 22:39	WG2515764
n-Nitrosodimethylamine	ND	C3	379	1	05/15/2025 22:39	WG2515764
n-Nitrosodiphenylamine	ND		379	1	05/15/2025 22:39	WG2515764
n-Nitrosodi-n-propylamine	ND	C3	379	1	05/15/2025 22:39	WG2515764
Phenanthrene	ND		37.9	1	05/15/2025 22:39	WG2515764
Benzylbutyl phthalate	ND		379	1	05/15/2025 22:39	WG2515764
Bis(2-ethylhexyl)phthalate	ND		379	1	05/15/2025 22:39	WG2515764
Di-n-butyl phthalate	ND		379	1	05/15/2025 22:39	WG2515764
Diethyl phthalate	ND		379	1	05/15/2025 22:39	WG2515764
Dimethyl phthalate	ND		379	1	05/15/2025 22:39	WG2515764
Di-n-octyl phthalate	ND		379	1	05/15/2025 22:39	WG2515764
1,2,4-Trichlorobenzene	ND		379	1	05/15/2025 22:39	WG2515764
4-Chloro-3-methylphenol	ND		379	1	05/15/2025 22:39	WG2515764
2-Chlorophenol	ND		379	1	05/15/2025 22:39	WG2515764
2,4-Dichlorophenol	ND		379	1	05/15/2025 22:39	WG2515764
2,4-Dimethylphenol	ND		379	1	05/15/2025 22:39	WG2515764
4,6-Dinitro-2-methylphenol	ND		379	1	05/15/2025 22:39	WG2515764
2,4-Dinitrophenol	ND		379	1	05/15/2025 22:39	WG2515764
2-Nitrophenol	ND		379	1	05/15/2025 22:39	WG2515764
4-Nitrophenol	ND	C3	379	1	05/15/2025 22:39	WG2515764
Pentachlorophenol	ND		379	1	05/15/2025 22:39	WG2515764
Phenol	ND	C3	379	1	05/15/2025 22:39	WG2515764
2,4,6-Trichlorophenol	ND		379	1	05/15/2025 22:39	WG2515764
(S) 2-Fluorophenol	*74.8*		*12.0-120*		*05/15/2025 22:39*	WG2515764
(S) Phenol-d5	*62.4*		*10.0-120*		*05/15/2025 22:39*	WG2515764
(S) Nitrobenzene-d5	*62.5*		*10.0-122*		*05/15/2025 22:39*	WG2515764
(S) 2-Fluorobiphenyl	*73.3*		*15.0-120*		*05/15/2025 22:39*	WG2515764
(S) 2,4,6-Tribromophenol	*82.5*		*10.0-127*		*05/15/2025 22:39*	WG2515764
(S) p-Terphenyl-d14	*80.6*		*10.0-120*		*05/15/2025 22:39*	WG2515764

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1850000		25800	1	05/16/2025 11:00	WG2515771

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.3		1	05/15/2025 11:13	WG2515685

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12300	1	05/16/2025 01:36	WG2515898

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1810000		123000	5	05/16/2025 11:00	WG2515891

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	41000		25800	1.05	05/15/2025 22:00	WG2515771

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	22600000		500000	5	05/16/2025 14:49	WG2515983

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	4150000		24600	1	05/15/2025 16:11	WG2515776
Antimony	ND		2460	1	05/15/2025 16:11	WG2515776
Beryllium	463		246	1	05/15/2025 16:11	WG2515776
Calcium	6200000		123000	1	05/15/2025 16:11	WG2515776
Cobalt	3610		1230	1	05/15/2025 16:11	WG2515776
Iron	6540000		12300	1	05/15/2025 16:11	WG2515776
Magnesium	2130000		123000	1	05/15/2025 16:11	WG2515776
Manganese	88400		1230	1	05/15/2025 16:11	WG2515776
Potassium	1700000		123000	1	05/15/2025 16:11	WG2515776
Sodium	138000		123000	1	05/15/2025 16:11	WG2515776
Thallium	ND		2460	1	05/15/2025 16:11	WG2515776
Vanadium	11400		2460	1	05/15/2025 16:11	WG2515776

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND	C3	73.0	1	05/15/2025 16:56	WG2515743
Acrylonitrile	ND		18.2	1	05/15/2025 16:56	WG2515743
Bromobenzene	ND		18.2	1	05/15/2025 16:56	WG2515743
Bromodichloromethane	ND		3.65	1	05/15/2025 16:56	WG2515743
Bromoform	ND	C3	36.5	1	05/15/2025 16:56	WG2515743
Bromomethane	ND		18.2	1	05/15/2025 16:56	WG2515743

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		18.2	1	05/15/2025 16:56	WG2515743
sec-Butylbenzene	ND		18.2	1	05/15/2025 16:56	WG2515743
tert-Butylbenzene	ND		7.30	1	05/15/2025 16:56	WG2515743
Carbon tetrachloride	ND		7.30	1	05/15/2025 16:56	WG2515743
Chlorobenzene	ND		3.65	1	05/15/2025 16:56	WG2515743
Chlorodibromomethane	ND		3.65	1	05/15/2025 16:56	WG2515743
Chloroethane	ND		7.30	1	05/15/2025 16:56	WG2515743
Chloroform	ND		3.65	1	05/15/2025 16:56	WG2515743
Chloromethane	ND		18.2	1	05/15/2025 16:56	WG2515743
2-Chlorotoluene	ND		3.65	1	05/15/2025 16:56	WG2515743
4-Chlorotoluene	ND		7.30	1	05/15/2025 16:56	WG2515743
1,2-Dibromo-3-Chloropropane	ND	C3	36.5	1	05/15/2025 16:56	WG2515743
1,2-Dibromoethane	ND		3.65	1	05/15/2025 16:56	WG2515743
Dibromomethane	ND		7.30	1	05/15/2025 16:56	WG2515743
1,2-Dichlorobenzene	ND		7.30	1	05/15/2025 16:56	WG2515743
1,3-Dichlorobenzene	ND		7.30	1	05/15/2025 16:56	WG2515743
1,4-Dichlorobenzene	ND		7.30	1	05/15/2025 16:56	WG2515743
Dichlorodifluoromethane	ND		7.30	1	05/15/2025 16:56	WG2515743
1,1-Dichloroethane	ND		3.65	1	05/15/2025 16:56	WG2515743
1,2-Dichloroethane	ND		3.65	1	05/15/2025 16:56	WG2515743
1,1-Dichloroethene	ND		3.65	1	05/15/2025 16:56	WG2515743
cis-1,2-Dichloroethene	ND		3.65	1	05/15/2025 16:56	WG2515743
trans-1,2-Dichloroethene	ND		7.30	1	05/15/2025 16:56	WG2515743
1,2-Dichloropropane	ND		7.30	1	05/15/2025 16:56	WG2515743
1,1-Dichloropropene	ND		3.65	1	05/15/2025 16:56	WG2515743
1,3-Dichloropropane	ND		7.30	1	05/15/2025 16:56	WG2515743
cis-1,3-Dichloropropene	ND		3.65	1	05/15/2025 16:56	WG2515743
trans-1,3-Dichloropropene	ND		7.30	1	05/15/2025 16:56	WG2515743
2,2-Dichloropropane	ND		3.65	1	05/15/2025 16:56	WG2515743
Di-isopropyl ether	ND		1.46	1	05/15/2025 16:56	WG2515743
Hexachloro-1,3-butadiene	ND		36.5	1	05/15/2025 16:56	WG2515743
Isopropylbenzene	ND		3.65	1	05/15/2025 16:56	WG2515743
p-Isopropyltoluene	ND		7.30	1	05/15/2025 16:56	WG2515743
2-Butanone (MEK)	ND		146	1	05/15/2025 16:56	WG2515743
Methylene Chloride	ND		36.5	1	05/15/2025 16:56	WG2515743
4-Methyl-2-pentanone (MIBK)	ND		36.5	1	05/15/2025 16:56	WG2515743
Methyl tert-butyl ether	ND		1.46	1	05/15/2025 16:56	WG2515743
n-Propylbenzene	ND		7.30	1	05/15/2025 16:56	WG2515743
Styrene	ND		18.2	1	05/15/2025 16:56	WG2515743
1,1,1,2-Tetrachloroethane	ND		3.65	1	05/15/2025 16:56	WG2515743
1,1,2,2-Tetrachloroethane	ND		3.65	1	05/15/2025 16:56	WG2515743
1,1,2-Trichlorotrifluoroethane	ND		3.65	1	05/15/2025 16:56	WG2515743
Tetrachloroethene	ND		3.65	1	05/15/2025 16:56	WG2515743
1,2,3-Trichlorobenzene	ND		18.2	1	05/15/2025 16:56	WG2515743
1,2,4-Trichlorobenzene	ND		18.2	1	05/15/2025 16:56	WG2515743
1,1,1-Trichloroethane	ND		3.65	1	05/15/2025 16:56	WG2515743
1,1,2-Trichloroethane	ND		3.65	1	05/15/2025 16:56	WG2515743
Trichloroethene	ND		1.46	1	05/15/2025 16:56	WG2515743
Trichlorofluoromethane	ND		3.65	1	05/15/2025 16:56	WG2515743
1,2,3-Trichloropropane	ND		18.2	1	05/15/2025 16:56	WG2515743
1,2,3-Trimethylbenzene	ND		7.30	1	05/15/2025 16:56	WG2515743
Vinyl chloride	ND		3.65	1	05/15/2025 16:56	WG2515743
(S) Toluene-d8	*99.3*		*75.0-131*		*05/15/2025 16:56*	WG2515743
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*05/15/2025 16:56*	WG2515743
(S) 1,2-Dichloroethane-d4	*96.1*		*70.0-130*		*05/15/2025 16:56*	WG2515743

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		81.9	2	05/16/2025 04:19	WG2515764
Benzidine	ND		4110	2	05/16/2025 04:19	WG2515764
Benzo(g,h,i)perylene	ND		81.9	2	05/16/2025 04:19	WG2515764
Bis(2-chlorethoxy)methane	ND		819	2	05/16/2025 04:19	WG2515764
Bis(2-chloroethyl)ether	ND		819	2	05/16/2025 04:19	WG2515764
2,2-Oxybis(1-Chloropropane)	ND	C3	819	2	05/16/2025 04:19	WG2515764
4-Bromophenyl-phenylether	ND		819	2	05/16/2025 04:19	WG2515764
2-Chloronaphthalene	ND		81.9	2	05/16/2025 04:19	WG2515764
4-Chlorophenyl-phenylether	ND		819	2	05/16/2025 04:19	WG2515764
1,2-Dichlorobenzene	ND		819	2	05/16/2025 04:19	WG2515764
1,3-Dichlorobenzene	ND		819	2	05/16/2025 04:19	WG2515764
1,4-Dichlorobenzene	ND		819	2	05/16/2025 04:19	WG2515764
3,3-Dichlorobenzidine	ND		819	2	05/16/2025 04:19	WG2515764
2,4-Dinitrotoluene	ND		819	2	05/16/2025 04:19	WG2515764
2,6-Dinitrotoluene	ND		819	2	05/16/2025 04:19	WG2515764
Hexachlorobenzene	ND		819	2	05/16/2025 04:19	WG2515764
Hexachloro-1,3-butadiene	ND		819	2	05/16/2025 04:19	WG2515764
Hexachlorocyclopentadiene	ND	C3	819	2	05/16/2025 04:19	WG2515764
Hexachloroethane	ND		819	2	05/16/2025 04:19	WG2515764
Isophorone	ND		819	2	05/16/2025 04:19	WG2515764
Nitrobenzene	ND		819	2	05/16/2025 04:19	WG2515764
n-Nitrosodimethylamine	ND	C3	819	2	05/16/2025 04:19	WG2515764
n-Nitrosodiphenylamine	ND		819	2	05/16/2025 04:19	WG2515764
n-Nitrosodi-n-propylamine	ND	C3	819	2	05/16/2025 04:19	WG2515764
Phenanthrene	ND		81.9	2	05/16/2025 04:19	WG2515764
Benzylbutyl phthalate	ND		819	2	05/16/2025 04:19	WG2515764
Bis(2-ethylhexyl)phthalate	ND		819	2	05/16/2025 04:19	WG2515764
Di-n-butyl phthalate	ND		819	2	05/16/2025 04:19	WG2515764
Diethyl phthalate	ND		819	2	05/16/2025 04:19	WG2515764
Dimethyl phthalate	ND		819	2	05/16/2025 04:19	WG2515764
Di-n-octyl phthalate	ND		819	2	05/16/2025 04:19	WG2515764
1,2,4-Trichlorobenzene	ND		819	2	05/16/2025 04:19	WG2515764
4-Chloro-3-methylphenol	ND		819	2	05/16/2025 04:19	WG2515764
2-Chlorophenol	ND		819	2	05/16/2025 04:19	WG2515764
2,4-Dichlorophenol	ND		819	2	05/16/2025 04:19	WG2515764
2,4-Dimethylphenol	ND		819	2	05/16/2025 04:19	WG2515764
4,6-Dinitro-2-methylphenol	ND		819	2	05/16/2025 04:19	WG2515764
2,4-Dinitrophenol	ND		819	2	05/16/2025 04:19	WG2515764
2-Nitrophenol	ND		819	2	05/16/2025 04:19	WG2515764
4-Nitrophenol	ND	C3	819	2	05/16/2025 04:19	WG2515764
Pentachlorophenol	ND		819	2	05/16/2025 04:19	WG2515764
Phenol	ND	C3	819	2	05/16/2025 04:19	WG2515764
2,4,6-Trichlorophenol	ND		819	2	05/16/2025 04:19	WG2515764
(S) 2-Fluorophenol	*77.8*		*12.0-120*		*05/16/2025 04:19*	WG2515764
(S) Phenol-d5	*64.4*		*10.0-120*		*05/16/2025 04:19*	WG2515764
(S) Nitrobenzene-d5	*68.1*		*10.0-122*		*05/16/2025 04:19*	WG2515764
(S) 2-Fluorobiphenyl	*73.3*		*15.0-120*		*05/16/2025 04:19*	WG2515764
(S) 2,4,6-Tribromophenol	*83.4*		*10.0-127*		*05/16/2025 04:19*	WG2515764
(S) p-Terphenyl-d14	*80.2*		*10.0-120*		*05/16/2025 04:19*	WG2515764

Sample Narrative:

L1858929-03 WG2515764: Dilution due to matrix impact during extract concentration procedure

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	J4	50.0	1	05/15/2025 11:40	WG2515567
Acrolein	ND		50.0	1	05/15/2025 11:40	WG2515567
Acrylonitrile	ND		10.0	1	05/15/2025 11:40	WG2515567
Benzene	ND		1.00	1	05/15/2025 11:40	WG2515567
Bromobenzene	ND		1.00	1	05/15/2025 11:40	WG2515567
Bromodichloromethane	ND		1.00	1	05/15/2025 11:40	WG2515567
Bromoform	ND		1.00	1	05/15/2025 11:40	WG2515567
Bromomethane	ND		5.00	1	05/15/2025 11:40	WG2515567
n-Butylbenzene	ND		1.00	1	05/15/2025 11:40	WG2515567
sec-Butylbenzene	ND		1.00	1	05/15/2025 11:40	WG2515567
tert-Butylbenzene	ND		1.00	1	05/15/2025 11:40	WG2515567
Carbon tetrachloride	ND	C3	1.00	1	05/15/2025 11:40	WG2515567
Chlorobenzene	ND		1.00	1	05/15/2025 11:40	WG2515567
Chlorodibromomethane	ND		1.00	1	05/15/2025 11:40	WG2515567
Chloroethane	ND		5.00	1	05/15/2025 11:40	WG2515567
Chloroform	ND		5.00	1	05/15/2025 11:40	WG2515567
Chloromethane	ND		2.50	1	05/15/2025 11:40	WG2515567
2-Chlorotoluene	ND		1.00	1	05/15/2025 11:40	WG2515567
4-Chlorotoluene	ND		1.00	1	05/15/2025 11:40	WG2515567
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/15/2025 11:40	WG2515567
1,2-Dibromoethane	ND		1.00	1	05/15/2025 11:40	WG2515567
Dibromomethane	ND		1.00	1	05/15/2025 11:40	WG2515567
1,2-Dichlorobenzene	ND		1.00	1	05/15/2025 11:40	WG2515567
1,3-Dichlorobenzene	ND		1.00	1	05/15/2025 11:40	WG2515567
1,4-Dichlorobenzene	ND		1.00	1	05/15/2025 11:40	WG2515567
Dichlorodifluoromethane	ND		5.00	1	05/15/2025 11:40	WG2515567
1,1-Dichloroethane	ND		1.00	1	05/15/2025 11:40	WG2515567
1,2-Dichloroethane	ND		1.00	1	05/15/2025 11:40	WG2515567
1,1-Dichloroethene	ND		1.00	1	05/15/2025 11:40	WG2515567
cis-1,2-Dichloroethene	ND		1.00	1	05/15/2025 11:40	WG2515567
trans-1,2-Dichloroethene	ND		1.00	1	05/15/2025 11:40	WG2515567
1,2-Dichloropropane	ND		1.00	1	05/15/2025 11:40	WG2515567
1,1-Dichloropropene	ND		1.00	1	05/15/2025 11:40	WG2515567
1,3-Dichloropropane	ND		1.00	1	05/15/2025 11:40	WG2515567
cis-1,3-Dichloropropene	ND		1.00	1	05/15/2025 11:40	WG2515567
trans-1,3-Dichloropropene	ND		1.00	1	05/15/2025 11:40	WG2515567
2,2-Dichloropropane	ND		1.00	1	05/15/2025 11:40	WG2515567
Di-isopropyl ether	ND		1.00	1	05/15/2025 11:40	WG2515567
Ethylbenzene	ND		1.00	1	05/15/2025 11:40	WG2515567
Hexachloro-1,3-butadiene	ND		1.00	1	05/15/2025 11:40	WG2515567
Isopropylbenzene	ND		1.00	1	05/15/2025 11:40	WG2515567
p-Isopropyltoluene	ND		1.00	1	05/15/2025 11:40	WG2515567
2-Butanone (MEK)	ND		10.0	1	05/15/2025 11:40	WG2515567
Methylene Chloride	ND		5.00	1	05/15/2025 11:40	WG2515567
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/15/2025 11:40	WG2515567
Methyl tert-butyl ether	ND		1.00	1	05/15/2025 11:40	WG2515567
Naphthalene	ND		5.00	1	05/15/2025 11:40	WG2515567
n-Propylbenzene	ND		1.00	1	05/15/2025 11:40	WG2515567
Styrene	ND		1.00	1	05/15/2025 11:40	WG2515567
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/15/2025 11:40	WG2515567
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/15/2025 11:40	WG2515567
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/15/2025 11:40	WG2515567
Tetrachloroethene	ND		1.00	1	05/15/2025 11:40	WG2515567
Toluene	ND		1.00	1	05/15/2025 11:40	WG2515567
1,2,3-Trichlorobenzene	ND	C3 J4	1.00	1	05/15/2025 11:40	WG2515567
1,2,4-Trichlorobenzene	ND		1.00	1	05/15/2025 11:40	WG2515567

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	05/15/2025 11:40	WG2515567
1,1,2-Trichloroethane	ND	J4	1.00	1	05/15/2025 11:40	WG2515567
Trichloroethene	ND		1.00	1	05/15/2025 11:40	WG2515567
Trichlorofluoromethane	ND		5.00	1	05/15/2025 11:40	WG2515567
1,2,3-Trichloropropane	ND		2.50	1	05/15/2025 11:40	WG2515567
1,2,4-Trimethylbenzene	ND		1.00	1	05/15/2025 11:40	WG2515567
1,2,3-Trimethylbenzene	ND		1.00	1	05/15/2025 11:40	WG2515567
1,3,5-Trimethylbenzene	ND		1.00	1	05/15/2025 11:40	WG2515567
Vinyl chloride	ND		1.00	1	05/15/2025 11:40	WG2515567
Xylenes, Total	ND		3.00	1	05/15/2025 11:40	WG2515567
(S) Toluene-d8	*103*		*80.0-120*		*05/15/2025 11:40*	WG2515567
(S) 4-Bromofluorobenzene	*98.2*		*77.0-126*		*05/15/2025 11:40*	WG2515567
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*05/15/2025 11:40*	WG2515567

Method Blank (MB)

(MB) R4215445-1 05/15/25 11:13

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

L1858923-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1858923-01 05/15/25 11:13 • (DUP) R4215445-3 05/15/25 11:13

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	85.4	84.8	1	0.695		10

Laboratory Control Sample (LCS)

(LCS) R4215445-2 05/15/25 11:13

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

QUALITY CONTROL SUMMARY

L1858929-01,02,03

Method Blank (MB)

(MB) R4215605-1 05/16/25 00:54

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

L1858917-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1858917-14 05/16/25 00:57 • (DUP) R4215605-3 05/16/25 00:58

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

L1858917-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1858917-15 05/16/25 01:00 • (DUP) R4215605-4 05/16/25 01:01

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

Laboratory Control Sample (LCS)

(LCS) R4215605-2 05/16/25 00:55

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	250000	249000	99.5	90.0-110	

L1858917-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858917-25 05/16/25 01:18 • (MS) R4215605-5 05/16/25 01:19 • (MSD) R4215605-6 05/16/25 01:21

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 %
Ammonia Nitrogen	274000	ND	286000	288000	104	105	1	90.0-110			0.642	20

L1858923-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858923-01 05/16/25 01:22 • (MS) R4215605-7 05/16/25 01:24 • (MSD) R4215605-8 05/16/25 01:25

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	%	%		%			%	%
Ammonia Nitrogen	293000	ND	305000	307000	104	105	1	90.0-110			0.530	20

Method Blank (MB)

(MB) R4215781-1 05/16/25 10:32

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Kjeldahl Nitrogen, TKN	15400	J	15200	20000

L1858917-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1858917-14 05/16/25 10:34 • (DUP) R4215781-5 05/16/25 10:35

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	1340000	1330000	5	1.14		20

Laboratory Control Sample (LCS)

(LCS) R4215781-3 05/16/25 10:33

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	480000	444000	92.6	81.7-124	

L1858917-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858917-25 05/16/25 10:48 • (MS) R4215781-8 05/16/25 10:49 • (MSD) R4215781-10 05/16/25 10:50

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 %
Kjeldahl Nitrogen, TKN	438000	2320000	2620000	2790000	68.9	108	5	81.7-124	V		6.32	20

Method Blank (MB)

(MB) R4215590-1 05/15/25 15:12

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

Laboratory Control Sample (LCS)

(LCS) R4215590-2 05/15/25 15:29

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40000	41000	102	80.0-120	

L1858912-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858912-02 05/15/25 15:45 • (MS) R4215590-3 05/15/25 16:01 • (MSD) R4215590-4 05/15/25 16:18

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 %
Nitrate-Nitrite	44000	24800	74100	74100	112	112	1	80.0-120			0.00319	15

Method Blank (MB)

(MB) R4215902-1 05/16/25 14:36

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

L1858897-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1858897-02 05/16/25 14:38 • (DUP) R4215902-3 05/16/25 14:38

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	24200000	24700000	5	1.87		20

L1858927-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1858927-01 05/16/25 14:45 • (DUP) R4215902-8 05/16/25 14:47

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	21200000	19600000	5	7.59		20

Laboratory Control Sample (LCS)

(LCS) R4215902-2 05/16/25 14:37

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC By Walkley Black	3230000	4150000	129	75.0-144	

L1858897-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858897-06 05/16/25 14:40 • (MS) R4215902-4 05/16/25 14:41 • (MSD) R4215902-5 05/16/25 14:42

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC By Walkley Black	20000000	15800000	43500000	44600000	139	144	5	80.0-120	J5	J5	2.52	20

L1858923-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858923-01 05/16/25 14:44 • (MS) R4215902-6 05/16/25 14:44 • (MSD) R4215902-7 05/16/25 14:45

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC By Walkley Black	20000000	15600000	40300000	40300000	124	123	5	80.0-120	J5	J5	0.0881	20

Method Blank (MB)

(MB) R4215438-1 05/15/25 15:21

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

Laboratory Control Sample (LCS)

(LCS) R4215438-2 05/15/25 15:23

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000000	1020000	102	80.0-120	
Antimony	100000	98700	98.7	80.0-120	
Beryllium	100000	104000	104	80.0-120	
Calcium	1000000	1010000	101	80.0-120	
Cobalt	100000	97500	97.5	80.0-120	
Iron	1000000	985000	98.5	80.0-120	
Magnesium	1000000	1020000	102	80.0-120	
Manganese	100000	102000	102	80.0-120	
Potassium	1000000	1070000	107	80.0-120	
Sodium	1000000	1030000	103	80.0-120	
Thallium	100000	103000	103	80.0-120	
Vanadium	100000	97000	97.0	80.0-120	

L1858897-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858897-06 05/15/25 15:25 • (MS) R4215438-5 05/15/25 15:30 • (MSD) R4215438-6 05/15/25 15:31

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	1060000	4360000	5480000	5220000	105	81.2	1	75.0-125			4.81	20
Antimony	106000	ND	82300	81100	77.6	76.4	1	75.0-125			1.51	20

L1858897-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858897-06 05/15/25 15:25 • (MS) R4215438-5 05/15/25 15:30 • (MSD) R4215438-6 05/15/25 15:31

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	%	%		%			%	%
Beryllium	106000	419	105000	104000	98.2	97.7	1	75.0-125			0.449	20
Calcium	1060000	1760000	2550000	2790000	74.1	96.4	1	75.0-125	J6		8.86	20
Cobalt	106000	3630	107000	107000	97.5	97.6	1	75.0-125			0.137	20
Iron	1060000	7610000	10500000	10300000	276	253	1	75.0-125	V	V	2.32	20
Magnesium	1060000	1610000	2480000	2560000	81.8	89.2	1	75.0-125			3.11	20
Manganese	106000	252000	479000	442000	214	179	1	75.0-125	J5	J5	8.14	20
Potassium	1060000	1840000	2670000	2670000	78.4	78.2	1	75.0-125			0.0570	20
Sodium	1060000	112000	1120000	1130000	94.8	95.9	1	75.0-125			1.08	20
Thallium	106000	ND	103000	103000	97.3	97.4	1	75.0-125			0.0883	20
Vanadium	106000	10700	108000	110000	91.6	93.9	1	75.0-125			2.19	20

Method Blank (MB)

(MB) R4215570-2 05/15/25 09:15

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

Method Blank (MB)

(MB) R4215570-2 05/15/25 09:15

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	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4215570-1 05/15/25 08:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	52.6	210	19.0-160	J4
Acrolein	25.0	22.2	88.8	10.0-160	
Acrylonitrile	25.0	34.3	137	55.0-149	
Benzene	5.00	5.58	112	70.0-123	

Laboratory Control Sample (LCS)

(LCS) R4215570-1 05/15/25 08:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromobenzene	5.00	4.57	91.4	73.0-121	
Bromodichloromethane	5.00	5.35	107	75.0-120	
Bromoform	5.00	4.49	89.8	68.0-132	
Bromomethane	5.00	4.02	80.4	10.0-160	
n-Butylbenzene	5.00	4.23	84.6	73.0-125	
sec-Butylbenzene	5.00	4.22	84.4	75.0-125	
tert-Butylbenzene	5.00	4.16	83.2	76.0-124	
Carbon tetrachloride	5.00	3.68	73.6	68.0-126	
Chlorobenzene	5.00	5.72	114	80.0-121	
Chlorodibromomethane	5.00	4.66	93.2	77.0-125	
Chloroethane	5.00	4.66	93.2	47.0-150	
Chloroform	5.00	5.88	118	73.0-120	
Chloromethane	5.00	6.14	123	41.0-142	
2-Chlorotoluene	5.00	4.35	87.0	76.0-123	
4-Chlorotoluene	5.00	4.29	85.8	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	5.17	103	58.0-134	
1,2-Dibromoethane	5.00	5.91	118	80.0-122	
Dibromomethane	5.00	5.84	117	80.0-120	
1,2-Dichlorobenzene	5.00	5.06	101	79.0-121	
1,3-Dichlorobenzene	5.00	4.81	96.2	79.0-120	
1,4-Dichlorobenzene	5.00	5.23	105	79.0-120	
Dichlorodifluoromethane	5.00	5.07	101	51.0-149	
1,1-Dichloroethane	5.00	5.29	106	70.0-126	
1,2-Dichloroethane	5.00	5.84	117	70.0-128	
1,1-Dichloroethene	5.00	5.68	114	71.0-124	
cis-1,2-Dichloroethene	5.00	5.92	118	73.0-120	
trans-1,2-Dichloroethene	5.00	5.72	114	73.0-120	
1,2-Dichloropropane	5.00	5.25	105	77.0-125	
1,1-Dichloropropene	5.00	4.67	93.4	74.0-126	
1,3-Dichloropropane	5.00	5.62	112	80.0-120	
cis-1,3-Dichloropropene	5.00	4.58	91.6	80.0-123	
trans-1,3-Dichloropropene	5.00	4.66	93.2	78.0-124	
2,2-Dichloropropane	5.00	4.70	94.0	58.0-130	
Di-isopropyl ether	5.00	6.27	125	58.0-138	
Ethylbenzene	5.00	5.20	104	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.56	91.2	54.0-138	
Isopropylbenzene	5.00	5.49	110	76.0-127	
p-Isopropyltoluene	5.00	4.50	90.0	76.0-125	
2-Butanone (MEK)	25.0	39.0	156	44.0-160	
Methylene Chloride	5.00	5.33	107	67.0-120	

Laboratory Control Sample (LCS)

(LCS) R4215570-1 05/15/25 08:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Methyl-2-pentanone (MIBK)	25.0	35.1	140	68.0-142	
Methyl tert-butyl ether	5.00	6.18	124	68.0-125	
Naphthalene	5.00	4.24	84.8	54.0-135	
n-Propylbenzene	5.00	4.10	82.0	77.0-124	
Styrene	5.00	4.56	91.2	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.45	109	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.14	103	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.83	96.6	69.0-132	
Tetrachloroethene	5.00	5.94	119	72.0-132	
Toluene	5.00	5.56	111	79.0-120	
1,2,3-Trichlorobenzene	5.00	2.34	46.8	50.0-138	J4
1,2,4-Trichlorobenzene	5.00	4.23	84.6	57.0-137	
1,1,1-Trichloroethane	5.00	5.23	105	73.0-124	
1,1,2-Trichloroethane	5.00	6.19	124	80.0-120	J4
Trichloroethene	5.00	6.01	120	78.0-124	
Trichlorofluoromethane	5.00	5.39	108	59.0-147	
1,2,3-Trichloropropane	5.00	5.63	113	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.39	87.8	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.58	91.6	77.0-120	
1,3,5-Trimethylbenzene	5.00	4.45	89.0	76.0-122	
Vinyl chloride	5.00	4.97	99.4	67.0-131	
Xylenes, Total	15.0	15.3	102	79.0-123	
(S) Toluene-d8			*103*	*80.0-120*	
(S) 4-Bromofluorobenzene			*98.7*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*102*	*70.0-130*	

L1858943-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858943-15 05/15/25 18:13 • (MS) R4215570-3 05/15/25 18:34 • (MSD) R4215570-4 05/15/25 18:55

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	ND	ND	ND	134	129	1	10.0-160			3.65	35
Acrolein	25.0	ND	ND	ND	170	158	1	10.0-160	J5		7.08	39
Acrylonitrile	25.0	ND	32.7	31.3	131	125	1	21.0-160			4.37	32
Benzene	5.00	ND	5.00	4.87	100	97.4	1	17.0-158			2.63	27
Bromobenzene	5.00	ND	3.83	3.79	76.6	75.8	1	30.0-149			1.05	28
Bromodichloromethane	5.00	ND	4.92	4.71	98.4	94.2	1	31.0-150			4.36	27
Bromoform	5.00	ND	4.25	4.30	85.0	86.0	1	29.0-150			1.17	29
Bromomethane	5.00	ND	ND	ND	71.6	71.6	1	10.0-160			0.000	38

L1858943-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858943-15 05/15/25 18:13 • (MS) R4215570-3 05/15/25 18:34 • (MSD) R4215570-4 05/15/25 18:55

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	5.00	ND	3.68	3.56	73.6	71.2	1	31.0-150			3.31	30
sec-Butylbenzene	5.00	ND	3.86	3.71	77.2	74.2	1	33.0-155			3.96	29
tert-Butylbenzene	5.00	ND	3.77	3.60	75.4	72.0	1	34.0-153			4.61	28
Carbon tetrachloride	5.00	ND	4.05	4.21	81.0	84.2	1	23.0-159			3.87	28
Chlorobenzene	5.00	ND	4.97	4.84	99.4	96.8	1	33.0-152			2.65	27
Chlorodibromomethane	5.00	ND	4.29	4.07	85.8	81.4	1	37.0-149			5.26	27
Chloroethane	5.00	ND	ND	ND	74.2	72.8	1	10.0-160			1.90	30
Chloroform	5.00	ND	5.36	5.27	107	105	1	29.0-154			1.69	28
Chloromethane	5.00	ND	6.19	6.13	124	123	1	10.0-160			0.974	29
2-Chlorotoluene	5.00	ND	3.77	3.70	75.4	74.0	1	32.0-153			1.87	28
4-Chlorotoluene	5.00	ND	3.65	3.66	73.0	73.2	1	32.0-150			0.274	28
1,2-Dibromo-3-Chloropropane	5.00	ND	5.33	ND	107	99.2	1	22.0-151			7.19	34
1,2-Dibromoethane	5.00	ND	4.95	4.89	99.0	97.8	1	34.0-147			1.22	27
Dibromomethane	5.00	ND	5.13	4.95	103	99.0	1	30.0-151			3.57	27
1,2-Dichlorobenzene	5.00	ND	4.31	4.34	86.2	86.8	1	34.0-149			0.694	28
1,3-Dichlorobenzene	5.00	ND	4.20	4.21	84.0	84.2	1	36.0-146			0.238	27
1,4-Dichlorobenzene	5.00	ND	4.39	4.20	87.8	84.0	1	35.0-142			4.42	27
Dichlorodifluoromethane	5.00	ND	6.09	5.71	122	114	1	10.0-160			6.44	29
1,1-Dichloroethane	5.00	ND	5.12	4.77	102	95.4	1	25.0-158			7.08	27
1,2-Dichloroethane	5.00	ND	5.34	5.05	107	101	1	29.0-151			5.58	27
1,1-Dichloroethene	5.00	ND	5.62	5.41	112	108	1	11.0-160			3.81	29
cis-1,2-Dichloroethene	5.00	ND	5.46	4.74	109	94.8	1	10.0-160			14.1	27
trans-1,2-Dichloroethene	5.00	ND	5.33	5.20	107	104	1	17.0-153			2.47	27
1,2-Dichloropropane	5.00	ND	4.68	4.50	93.6	90.0	1	30.0-156			3.92	27
1,1-Dichloropropene	5.00	ND	4.48	4.45	89.6	89.0	1	25.0-158			0.672	27
1,3-Dichloropropane	5.00	ND	4.82	4.70	96.4	94.0	1	38.0-147			2.52	27
cis-1,3-Dichloropropene	5.00	ND	3.81	3.74	76.2	74.8	1	34.0-149			1.85	28
trans-1,3-Dichloropropene	5.00	ND	3.98	3.89	79.6	77.8	1	32.0-149			2.29	28
2,2-Dichloropropane	5.00	ND	4.54	4.31	90.8	86.2	1	24.0-152			5.20	29
Di-isopropyl ether	5.00	ND	5.76	5.63	115	113	1	21.0-160			2.28	28
Ethylbenzene	5.00	ND	4.66	4.48	93.2	89.6	1	30.0-155			3.94	27
Hexachloro-1,3-butadiene	5.00	ND	4.10	3.97	82.0	79.4	1	20.0-154			3.22	34
Isopropylbenzene	5.00	ND	4.96	4.94	99.2	98.8	1	28.0-157			0.404	27
p-Isopropyltoluene	5.00	ND	3.87	3.83	77.4	76.6	1	30.0-154			1.04	29
2-Butanone (MEK)	25.0	ND	31.0	29.1	124	116	1	10.0-160			6.32	32
Methylene Chloride	5.00	ND	ND	ND	99.2	91.6	1	23.0-144			7.97	28
4-Methyl-2-pentanone (MIBK)	25.0	ND	34.9	34.5	140	138	1	29.0-160			1.15	29
Methyl tert-butyl ether	5.00	ND	5.43	5.13	109	103	1	28.0-150			5.68	29
Naphthalene	5.00	ND	ND	ND	85.6	87.0	1	12.0-156			1.62	35
n-Propylbenzene	5.00	ND	3.73	3.62	74.6	72.4	1	31.0-154			2.99	28

L1858943-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858943-15 05/15/25 18:13 • (MS) R4215570-3 05/15/25 18:34 • (MSD) R4215570-4 05/15/25 18:55

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Styrene	5.00	ND	3.92	3.59	78.4	71.8	1	33.0-155			8.79	28
1,1,1,2-Tetrachloroethane	5.00	ND	4.94	4.69	98.8	93.8	1	36.0-151			5.19	29
1,1,2,2-Tetrachloroethane	5.00	ND	5.08	4.78	102	95.6	1	33.0-150			6.09	28
1,1,2-Trichlorotrifluoroethane	5.00	ND	6.23	5.81	125	116	1	23.0-160			6.98	30
Tetrachloroethene	5.00	ND	5.37	5.40	107	108	1	10.0-160			0.557	27
Toluene	5.00	ND	4.83	4.74	96.6	94.8	1	26.0-154			1.88	28
1,2,3-Trichlorobenzene	5.00	ND	2.78	2.56	55.6	51.2	1	17.0-150			8.24	36
1,2,4-Trichlorobenzene	5.00	ND	3.86	3.69	77.2	73.8	1	24.0-150			4.50	33
1,1,1-Trichloroethane	5.00	ND	5.16	5.19	103	104	1	23.0-160			0.580	28
1,1,2-Trichloroethane	5.00	ND	5.33	5.13	107	103	1	35.0-147			3.82	27
Trichloroethene	5.00	ND	5.30	5.13	106	103	1	10.0-160			3.26	25
Trichlorofluoromethane	5.00	ND	6.08	5.79	122	116	1	17.0-160			4.89	31
1,2,3-Trichloropropane	5.00	ND	4.76	4.77	95.2	95.4	1	34.0-151			0.210	29
1,2,4-Trimethylbenzene	5.00	ND	3.79	3.72	75.8	74.4	1	26.0-154			1.86	27
1,2,3-Trimethylbenzene	5.00	ND	3.80	3.84	76.0	76.8	1	32.0-149			1.05	28
1,3,5-Trimethylbenzene	5.00	ND	3.81	3.71	76.2	74.2	1	28.0-153			2.66	27
Vinyl chloride	5.00	ND	4.42	4.51	88.4	90.2	1	10.0-160			2.02	27
Xylenes, Total	15.0	ND	13.7	13.3	91.3	88.7	1	29.0-154			2.96	28
(S) Toluene-d8					*99.3*	*99.1*		*80.0-120*				
(S) 4-Bromofluorobenzene					*99.9*	*101*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*108*	*109*		*70.0-130*				

Method Blank (MB)

(MB) R4215713-3 05/15/25 08:19

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

Method Blank (MB)

(MB) R4215713-3 05/15/25 08:19

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	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*102*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*

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

(LCS) R4215713-1 05/15/25 06:45 • (LCSD) R4215713-2 05/15/25 07:03

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	377	370	60.3	59.2	10.0-160			1.87	31
Acrylonitrile	625	598	588	95.7	94.1	45.0-153			1.69	22
Bromobenzene	125	113	114	90.4	91.2	73.0-121			0.881	20
Bromodichloromethane	125	118	118	94.4	94.4	73.0-121			0.000	20
Bromoform	125	97.8	96.3	78.2	77.0	64.0-132			1.55	20
Bromomethane	125	114	119	91.2	95.2	56.0-147			4.29	20
n-Butylbenzene	125	121	120	96.8	96.0	68.0-135			0.830	20
sec-Butylbenzene	125	119	118	95.2	94.4	74.0-130			0.844	20
tert-Butylbenzene	125	123	120	98.4	96.0	75.0-127			2.47	20
Carbon tetrachloride	125	116	116	92.8	92.8	66.0-128			0.000	20
Chlorobenzene	125	117	113	93.6	90.4	76.0-128			3.48	20
Chlorodibromomethane	125	112	109	89.6	87.2	74.0-127			2.71	20

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

(LCS) R4215713-1 05/15/25 06:45 • (LCSD) R4215713-2 05/15/25 07:03

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	117	119	93.6	95.2	61.0-134			1.69	20
Chloroform	125	123	121	98.4	96.8	72.0-123			1.64	20
Chloromethane	125	111	121	88.8	96.8	51.0-138			8.62	20
2-Chlorotoluene	125	118	121	94.4	96.8	75.0-124			2.51	20
4-Chlorotoluene	125	120	121	96.0	96.8	75.0-124			0.830	20
1,2-Dibromo-3-Chloropropane	125	96.5	104	77.2	83.2	59.0-130			7.48	20
1,2-Dibromoethane	125	119	115	95.2	92.0	74.0-128			3.42	20
Dibromomethane	125	123	121	98.4	96.8	75.0-122			1.64	20
1,2-Dichlorobenzene	125	120	121	96.0	96.8	76.0-124			0.830	20
1,3-Dichlorobenzene	125	118	118	94.4	94.4	76.0-125			0.000	20
1,4-Dichlorobenzene	125	114	115	91.2	92.0	77.0-121			0.873	20
Dichlorodifluoromethane	125	100	121	80.0	96.8	43.0-156			19.0	20
1,1-Dichloroethane	125	116	115	92.8	92.0	70.0-127			0.866	20
1,2-Dichloroethane	125	137	137	110	110	65.0-131			0.000	20
1,1-Dichloroethene	125	117	119	93.6	95.2	65.0-131			1.69	20
cis-1,2-Dichloroethene	125	114	111	91.2	88.8	73.0-125			2.67	20
trans-1,2-Dichloroethene	125	118	116	94.4	92.8	71.0-125			1.71	20
1,2-Dichloropropane	125	121	116	96.8	92.8	74.0-125			4.22	20
1,1-Dichloropropene	125	122	119	97.6	95.2	73.0-125			2.49	20
1,3-Dichloropropane	125	115	115	92.0	92.0	80.0-125			0.000	20
cis-1,3-Dichloropropene	125	118	116	94.4	92.8	76.0-127			1.71	20
trans-1,3-Dichloropropene	125	122	121	97.6	96.8	73.0-127			0.823	20
2,2-Dichloropropane	125	127	117	102	93.6	59.0-135			8.20	20
Di-isopropyl ether	125	121	120	96.8	96.0	60.0-136			0.830	20
Hexachloro-1,3-butadiene	125	124	122	99.2	97.6	57.0-150			1.63	20
Isopropylbenzene	125	118	118	94.4	94.4	72.0-127			0.000	20
p-Isopropyltoluene	125	123	124	98.4	99.2	72.0-133			0.810	20
2-Butanone (MEK)	625	781	619	125	99.0	30.0-160			23.1	24
Methylene Chloride	125	110	111	88.0	88.8	68.0-123			0.905	20
4-Methyl-2-pentanone (MIBK)	625	641	637	103	102	56.0-143			0.626	20
Methyl tert-butyl ether	125	119	116	95.2	92.8	66.0-132			2.55	20
n-Propylbenzene	125	116	117	92.8	93.6	74.0-126			0.858	20
Styrene	125	124	120	99.2	96.0	72.0-127			3.28	20
1,1,1,2-Tetrachloroethane	125	118	116	94.4	92.8	74.0-129			1.71	20
1,1,2,2-Tetrachloroethane	125	114	114	91.2	91.2	68.0-128			0.000	20
1,1,2-Trichlorotrifluoroethane	125	118	120	94.4	96.0	61.0-139			1.68	20
Tetrachloroethene	125	120	117	96.0	93.6	70.0-136			2.53	20
1,2,3-Trichlorobenzene	125	129	139	103	111	59.0-139			7.46	20
1,2,4-Trichlorobenzene	125	132	142	106	114	62.0-137			7.30	20
1,1,1-Trichloroethane	125	123	124	98.4	99.2	69.0-126			0.810	20

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

(LCS) R4215713-1 05/15/25 06:45 • (LCSD) R4215713-2 05/15/25 07:03

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 %
1,1,2-Trichloroethane	125	120	118	96.0	94.4	78.0-123			1.68	20
Trichloroethene	125	129	121	103	96.8	76.0-126			6.40	20
Trichlorofluoromethane	125	118	125	94.4	100	61.0-142			5.76	20
1,2,3-Trichloropropane	125	108	106	86.4	84.8	67.0-129			1.87	20
1,2,3-Trimethylbenzene	125	110	113	88.0	90.4	74.0-124			2.69	20
Vinyl chloride	125	114	116	91.2	92.8	63.0-134			1.74	20
(S) Toluene-d8				*99.3*	*97.9*	*75.0-131*				
(S) 4-Bromofluorobenzene				*102*	*102*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*99.7*	*98.9*	*70.0-130*				

L1858917-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858917-25 05/15/25 15:41 • (MS) R4215713-4 05/15/25 17:14 • (MSD) R4215713-5 05/15/25 17:33

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	743	ND	4600	4230	619	570	1	10.0-160	J5	J5	8.34	40
Acrylonitrile	743	ND	931	722	125	97.1	1	10.0-160			25.3	40
Bromobenzene	149	ND	107	139	72.2	93.6	1	10.0-156			25.9	38
Bromodichloromethane	149	ND	107	152	72.1	102	1	10.0-143			34.8	37
Bromoform	149	ND	99.6	113	67.0	76.2	1	10.0-146			12.8	36
Bromomethane	149	ND	53.4	106	35.9	71.2	1	10.0-149		J3	65.9	38
n-Butylbenzene	149	ND	93.4	170	62.9	114	1	10.0-160		J3	58.1	40
sec-Butylbenzene	149	ND	87.8	162	59.1	109	1	10.0-159		J3	59.2	39
tert-Butylbenzene	149	ND	84.4	162	56.8	109	1	10.0-156		J3	62.8	39
Carbon tetrachloride	149	ND	61.1	151	41.1	102	1	10.0-145		J3	84.8	37
Chlorobenzene	149	ND	94.3	147	63.4	99.2	1	10.0-152		J3	44.0	39
Chlorodibromomethane	149	ND	108	133	72.7	89.6	1	10.0-146			20.8	37
Chloroethane	149	ND	44.5	82.1	29.9	55.3	1	10.0-146		J3	59.5	40
Chloroform	149	ND	99.3	159	66.8	107	1	10.0-146		J3	46.4	37
Chloromethane	149	ND	67.0	147	45.1	99.2	1	10.0-159		J3	74.9	37
2-Chlorotoluene	149	ND	94.9	155	63.8	104	1	10.0-159		J3	47.9	38
4-Chlorotoluene	149	ND	98.2	153	66.1	103	1	10.0-155		J3	43.9	39
1,2-Dibromo-3-Chloropropane	149	ND	121	104	81.6	69.9	1	10.0-151			15.4	39
1,2-Dibromoethane	149	ND	136	147	91.2	99.2	1	10.0-148			8.40	34
Dibromomethane	149	ND	134	150	90.4	101	1	10.0-147			10.9	35
1,2-Dichlorobenzene	149	ND	125	159	84.0	107	1	10.0-155			24.3	37
1,3-Dichlorobenzene	149	ND	109	152	73.4	102	1	10.0-153			32.9	38
1,4-Dichlorobenzene	149	ND	111	150	74.4	101	1	10.0-151			30.1	38
Dichlorodifluoromethane	149	ND	46.1	140	31.0	94.4	1	10.0-160		J3	101	35

L1858917-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858917-25 05/15/25 15:41 • (MS) R4215713-4 05/15/25 17:14 • (MSD) R4215713-5 05/15/25 17:33

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1-Dichloroethane	149	ND	84.9	151	57.1	102	1	10.0-147		J3	56.0	37
1,2-Dichloroethane	149	ND	138	172	92.8	116	1	10.0-148			22.2	35
1,1-Dichloroethene	149	ND	70.7	160	47.6	108	1	10.0-155		J3	77.6	37
cis-1,2-Dichloroethene	149	ND	90.0	149	60.6	100	1	10.0-149		J3	49.1	37
trans-1,2-Dichloroethene	149	ND	74.3	156	50.0	105	1	10.0-150		J3	70.8	37
1,2-Dichloropropane	149	ND	108	162	72.5	109	1	10.0-148		J3	40.1	37
1,1-Dichloropropene	149	ND	65.1	155	43.8	104	1	10.0-153		J3	81.4	35
1,3-Dichloropropane	149	ND	132	150	88.8	101	1	10.0-154			12.7	35
cis-1,3-Dichloropropene	149	ND	112	158	75.0	106	1	10.0-151			34.6	37
trans-1,3-Dichloropropene	149	ND	126	152	84.8	102	1	10.0-148			18.8	37
2,2-Dichloropropane	149	ND	65.1	133	43.8	89.6	1	10.0-138		J3	68.6	36
Di-isopropyl ether	149	ND	112	150	75.3	101	1	10.0-147			29.0	36
Hexachloro-1,3-butadiene	149	ND	107	176	72.0	118	1	10.0-160		J3	48.7	40
Isopropylbenzene	149	ND	81.9	160	55.1	108	1	10.0-155		J3	64.8	38
p-Isopropyltoluene	149	ND	91.9	166	61.8	112	1	10.0-160		J3	57.7	40
2-Butanone (MEK)	743	ND	650	796	87.5	107	1	10.0-160			20.2	40
Methylene Chloride	149	ND	104	153	70.3	103	1	10.0-141		J3	37.9	37
4-Methyl-2-pentanone (MIBK)	743	ND	825	745	111	100	1	10.0-160			10.1	35
Methyl tert-butyl ether	149	ND	128	138	86.4	92.8	1	11.0-147			7.14	35
n-Propylbenzene	149	ND	80.7	152	54.3	102	1	10.0-158		J3	61.4	38
Styrene	149	ND	106	162	71.6	109	1	10.0-160		J3	41.2	40
1,1,1,2-Tetrachloroethane	149	ND	103	145	69.1	97.6	1	10.0-149			34.2	39
1,1,2,2-Tetrachloroethane	149	ND	132	121	88.8	81.6	1	10.0-160			8.45	35
1,1,2-Trichlorotrifluoroethane	149	ND	51.7	140	34.8	94.4	1	10.0-160		J3	92.3	36
Tetrachloroethene	149	ND	73.0	160	49.1	108	1	10.0-156		J3	74.9	39
1,2,3-Trichlorobenzene	149	ND	195	215	131	145	1	10.0-160			9.86	40
1,2,4-Trichlorobenzene	149	ND	178	207	120	139	1	10.0-160			14.8	40
1,1,1-Trichloroethane	149	ND	71.0	158	47.8	106	1	10.0-144		J3	76.1	35
1,1,2-Trichloroethane	149	ND	132	155	88.8	104	1	10.0-160			15.8	35
Trichloroethene	149	ND	90.6	175	61.0	118	1	10.0-156		J3	63.4	38
Trichlorofluoromethane	149	ND	35.4	83.7	23.8	56.3	1	10.0-160		J3	81.0	40
1,2,3-Trichloropropane	149	ND	138	134	92.8	90.4	1	10.0-156			2.62	35
1,2,3-Trimethylbenzene	149	ND	107	151	72.3	102	1	10.0-160			33.7	36
Vinyl chloride	149	ND	64.5	157	43.4	106	1	10.0-160		J3	83.4	37
(S) Toluene-d8					*98.1*	*99.2*		*75.0-131*				
(S) 4-Bromofluorobenzene					*104*	*102*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*99.3*	*91.8*		*70.0-130*				

Method Blank (MB)

(MB) R4215583-2 05/15/25 21:36

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

Method Blank (MB)

(MB) R4215583-2 05/15/25 21:36

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	*77.0*			*12.0-120*
(S) Phenol-d5	*64.1*			*10.0-120*
(S) Nitrobenzene-d5	*61.9*			*10.0-122*
(S) 2-Fluorobiphenyl	*73.0*			*15.0-120*
(S) 2,4,6-Tribromophenol	*83.0*			*10.0-127*
(S) p-Terphenyl-d14	*78.7*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4215583-1 05/15/25 21:15

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	666	597	89.6	40.0-120	
Benzidine	1330	697	52.4	10.0-120	
Benzo(g,h,i)perylene	666	567	85.1	43.0-120	
Bis(2-chlorethoxy)methane	666	342	51.4	20.0-120	
Bis(2-chloroethyl)ether	666	438	65.8	16.0-120	
2,2-Oxybis(1-Chloropropane)	666	339	50.9	23.0-120	
4-Bromophenyl-phenylether	666	617	92.6	40.0-120	
2-Chloronaphthalene	666	497	74.6	35.0-120	
4-Chlorophenyl-phenylether	666	569	85.4	40.0-120	
1,2-Dichlorobenzene	666	481	72.2	32.0-120	
1,3-Dichlorobenzene	666	465	69.8	30.0-120	
1,4-Dichlorobenzene	666	487	73.1	31.0-120	
3,3-Dichlorobenzidine	1330	1220	91.7	28.0-120	
2,4-Dinitrotoluene	666	568	85.3	45.0-120	
2,6-Dinitrotoluene	666	573	86.0	42.0-120	
Hexachlorobenzene	666	538	80.8	39.0-120	
Hexachloro-1,3-butadiene	666	397	59.6	15.0-120	
Hexachlorocyclopentadiene	666	297	44.6	15.0-120	
Hexachloroethane	666	461	69.2	17.0-120	
Isophorone	666	368	55.3	23.0-120	
Nitrobenzene	666	372	55.9	17.0-120	
n-Nitrosodimethylamine	666	498	74.8	10.0-125	
n-Nitrosodiphenylamine	666	539	80.9	40.0-120	
n-Nitrosodi-n-propylamine	666	448	67.3	26.0-120	

Laboratory Control Sample (LCS)

(LCS) R4215583-1 05/15/25 21:15

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	666	520	78.1	42.0-120	
Benzylbutyl phthalate	666	576	86.5	40.0-120	
Bis(2-ethylhexyl)phthalate	666	574	86.2	41.0-120	
Di-n-butyl phthalate	666	550	82.6	43.0-120	
Diethyl phthalate	666	598	89.8	43.0-120	
Dimethyl phthalate	666	601	90.2	43.0-120	
Di-n-octyl phthalate	666	585	87.8	40.0-120	
1,2,4-Trichlorobenzene	666	417	62.6	17.0-120	
4-Chloro-3-methylphenol	666	453	68.0	28.0-120	
2-Chlorophenol	666	473	71.0	28.0-120	
2,4-Dichlorophenol	666	466	70.0	25.0-120	
2,4-Dimethylphenol	666	398	59.8	15.0-120	
4,6-Dinitro-2-methylphenol	666	538	80.8	16.0-120	
2,4-Dinitrophenol	666	458	68.8	10.0-120	
2-Nitrophenol	666	456	68.5	20.0-120	
4-Nitrophenol	666	501	75.2	27.0-120	
Pentachlorophenol	666	436	65.5	29.0-120	
Phenol	666	468	70.3	28.0-120	
2,4,6-Trichlorophenol	666	558	83.8	37.0-120	
(S) 2-Fluorophenol			*88.3*	*12.0-120*	
(S) Phenol-d5			*71.8*	*10.0-120*	
(S) Nitrobenzene-d5			*52.9*	*10.0-122*	
(S) 2-Fluorobiphenyl			*75.7*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*85.4*	*10.0-127*	
(S) p-Terphenyl-d14			*84.7*	*10.0-120*	

L1858923-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858923-01 05/15/25 23:00 • (MS) R4215583-3 05/15/25 23:22 • (MSD) R4215583-4 05/15/25 23:43

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 %
Acenaphthylene	764	ND	652	626	85.4	81.9	1	25.0-120			4.22	32
Benzidine	1520	ND	ND	ND	13.7	11.4	1	10.0-120			18.4	40
Benzo(g,h,i)perylene	764	ND	638	582	83.6	76.2	1	10.0-120			9.21	33
Bis(2-chlorethoxy)methane	764	ND	ND	ND	48.3	49.7	1	10.0-120			2.82	34
Bis(2-chloroethyl)ether	764	ND	513	479	67.2	62.7	1	10.0-120			6.85	40
2,2-Oxybis(1-Chloropropane)	764	ND	423	ND	55.4	50.3	1	10.0-120			9.58	40
4-Bromophenyl-phenylether	764	ND	688	663	90.0	86.8	1	27.0-120			3.64	30
2-Chloronaphthalene	764	ND	549	522	71.9	68.4	1	20.0-120			5.03	32

L1858923-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858923-01 05/15/25 23:00 • (MS) R4215583-3 05/15/25 23:22 • (MSD) R4215583-4 05/15/25 23:43

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Chlorophenyl-phenylether	764	ND	636	618	83.3	81.0	1	24.0-120			2.80	29
1,2-Dichlorobenzene	764	ND	503	471	65.8	61.7	1	10.0-120			6.50	38
1,3-Dichlorobenzene	764	ND	479	451	62.7	59.0	1	10.0-120			6.05	40
1,4-Dichlorobenzene	764	ND	515	476	67.5	62.3	1	10.0-120			8.04	39
3,3-Dichlorobenzidine	1520	ND	1240	1040	81.5	68.4	1	10.0-120			17.5	34
2,4-Dinitrotoluene	764	ND	626	609	81.9	79.8	1	30.0-120			2.66	31
2,6-Dinitrotoluene	764	ND	589	596	77.1	78.1	1	25.0-120			1.19	31
Hexachlorobenzene	764	ND	620	587	81.1	76.8	1	27.0-120			5.44	28
Hexachloro-1,3-butadiene	764	ND	449	409	58.7	53.5	1	10.0-120			9.29	38
Hexachlorocyclopentadiene	764	ND	ND	ND	13.3	12.9	1	10.0-120			2.57	40
Hexachloroethane	764	ND	ND	ND	49.4	49.8	1	10.0-120			0.927	40
Isophorone	764	ND	402	ND	52.6	50.9	1	13.0-120			3.26	34
Nitrobenzene	764	ND	402	ND	52.6	48.6	1	10.0-120			7.88	36
n-Nitrosodimethylamine	764	ND	458	413	60.0	54.1	1	10.0-127			10.2	40
n-Nitrosodiphenylamine	764	ND	589	561	77.1	73.5	1	17.0-120			4.89	29
n-Nitrosodi-n-propylamine	764	ND	508	484	66.6	63.3	1	10.0-120			4.96	37
Phenanthrene	764	ND	589	563	77.1	73.8	1	17.0-120			4.47	31
Benzylbutyl phthalate	764	ND	683	626	89.4	81.9	1	23.0-120			8.77	30
Bis(2-ethylhexyl)phthalate	764	ND	691	621	90.5	81.3	1	17.0-126			10.7	30
Di-n-butyl phthalate	764	ND	637	604	83.4	79.1	1	30.0-120			5.28	29
Diethyl phthalate	764	ND	682	655	89.3	85.7	1	26.0-120			4.03	28
Dimethyl phthalate	764	ND	657	624	86.0	81.7	1	25.0-120			5.12	29
Di-n-octyl phthalate	764	ND	719	657	94.2	86.0	1	21.0-123			9.02	29
1,2,4-Trichlorobenzene	764	ND	447	447	58.6	58.6	1	12.0-120			0.000	37
4-Chloro-3-methylphenol	764	ND	500	470	65.5	61.5	1	15.0-120			6.28	30
2-Chlorophenol	764	ND	515	479	67.5	62.7	1	15.0-120			7.30	37
2,4-Dichlorophenol	764	ND	517	488	67.6	64.0	1	20.0-120			5.59	31
2,4-Dimethylphenol	764	ND	443	421	58.0	55.1	1	10.0-120			5.16	33
4,6-Dinitro-2-methylphenol	764	ND	472	457	61.8	59.8	1	10.0-120			3.28	39
2,4-Dinitrophenol	764	ND	398	395	52.1	51.7	1	10.0-121			0.886	40
2-Nitrophenol	764	ND	501	503	65.6	65.8	1	12.0-120			0.233	39
4-Nitrophenol	764	ND	580	547	75.9	71.6	1	10.0-137			5.82	32
Pentachlorophenol	764	ND	478	445	62.6	58.3	1	10.0-160			7.11	31
Phenol	764	ND	498	483	65.2	63.2	1	12.0-120			3.11	38
2,4,6-Trichlorophenol	764	ND	631	592	82.7	77.5	1	19.0-120			6.51	32
(S) 2-Fluorophenol					*82.1*	*78.4*		*12.0-120*				
(S) Phenol-d5					*69.2*	*67.3*		*10.0-120*				
(S) Nitrobenzene-d5					*49.7*	*48.2*		*10.0-122*				
(S) 2-Fluorobiphenyl					*72.4*	*71.5*		*15.0-120*				

L1858923-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858923-01 05/15/25 23:00 • (MS) R4215583-3 05/15/25 23:22 • (MSD) R4215583-4 05/15/25 23:43

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					*89.7*	*85.3*		*10.0-127*				
(S) p-Terphenyl-d14					*84.0*	*73.3*		*10.0-120*				

L1858912-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858912-02 05/16/25 02:33 • (MS) R4215583-5 05/16/25 02:54 • (MSD) R4215583-6 05/16/25 03:15

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 %
Acenaphthylene	722	ND	561	562	77.7	78.1	2	25.0-120			0.196	32
Benzidine	1440	ND	ND	ND	0.000	17.3	2	10.0-120	J6	J3	200	40
Benzo(g,h,i)perylene	722	ND	504	480	69.8	66.7	2	10.0-120			4.92	33
Bis(2-chlorethoxy)methane	722	ND	ND	ND	47.3	49.4	2	10.0-120			4.11	34
Bis(2-chloroethyl)ether	722	ND	ND	ND	54.4	58.3	2	10.0-120			6.50	40
2,2-Oxybis(1-Chloropropane)	722	ND	ND	ND	45.7	49.5	2	10.0-120			7.69	40
4-Bromophenyl-phenylether	722	ND	ND	ND	84.1	84.1	2	27.0-120			0.363	30
2-Chloronaphthalene	722	ND	451	461	62.5	64.1	2	20.0-120			2.17	32
4-Chlorophenyl-phenylether	722	ND	ND	ND	75.8	74.9	2	24.0-120			1.42	29
1,2-Dichlorobenzene	722	ND	ND	ND	56.4	57.6	2	10.0-120			1.87	38
1,3-Dichlorobenzene	722	ND	ND	ND	54.9	56.6	2	10.0-120			2.74	40
1,4-Dichlorobenzene	722	ND	ND	ND	54.9	60.2	2	10.0-120			9.02	39
3,3-Dichlorobenzidine	1440	ND	ND	ND	35.7	41.2	2	10.0-120			14.3	34
2,4-Dinitrotoluene	722	ND	ND	ND	72.3	72.5	2	30.0-120			0.000	31
2,6-Dinitrotoluene	722	ND	ND	ND	74.7	69.3	2	25.0-120			7.85	31
Hexachlorobenzene	722	ND	ND	ND	76.1	70.3	2	27.0-120			8.13	28
Hexachloro-1,3-butadiene	722	ND	ND	ND	60.4	61.2	2	10.0-120			1.01	38
Hexachlorocyclopentadiene	722	ND	ND	ND	4.42	3.20	2	10.0-120	J6	J6	32.5	40
Hexachloroethane	722	ND	ND	ND	26.8	31.7	2	10.0-120			16.2	40
Isophorone	722	ND	ND	ND	49.5	51.7	2	13.0-120			3.92	34
Nitrobenzene	722	ND	ND	ND	51.8	51.4	2	10.0-120			1.18	36
n-Nitrosodimethylamine	722	ND	ND	ND	49.5	57.6	2	10.0-127			14.8	40
n-Nitrosodiphenylamine	722	ND	ND	ND	73.8	70.0	2	17.0-120			5.52	29
n-Nitrosodi-n-propylamine	722	ND	ND	ND	55.5	56.4	2	10.0-120			1.36	37
Phenanthrene	722	ND	500	491	69.2	68.2	2	17.0-120			1.78	31
Benzylbutyl phthalate	722	ND	ND	ND	78.7	76.5	2	23.0-120			3.15	30
Bis(2-ethylhexyl)phthalate	722	ND	ND	ND	78.2	76.0	2	17.0-126			3.17	30
Di-n-butyl phthalate	722	ND	ND	ND	77.1	73.9	2	30.0-120			4.65	29
Diethyl phthalate	722	ND	ND	ND	81.1	76.8	2	26.0-120			5.80	28
Dimethyl phthalate	722	ND	ND	ND	78.2	76.3	2	25.0-120			2.77	29

L1858912-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858912-02 05/16/25 02:33 • (MS) R4215583-5 05/16/25 02:54 • (MSD) R4215583-6 05/16/25 03:15

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 %
Di-n-octyl phthalate	722	ND	ND	ND	95.7	92.7	2	21.0-123			3.57	29
1,2,4-Trichlorobenzene	722	ND	ND	ND	58.8	65.1	2	12.0-120			9.85	37
4-Chloro-3-methylphenol	722	ND	ND	ND	68.3	67.3	2	15.0-120			1.80	30
2-Chlorophenol	722	ND	ND	ND	56.2	59.9	2	15.0-120			6.04	37
2,4-Dichlorophenol	722	ND	ND	ND	66.8	67.1	2	20.0-120			0.228	31
2,4-Dimethylphenol	722	ND	ND	ND	55.8	59.2	2	10.0-120			5.58	33
4,6-Dinitro-2-methylphenol	722	ND	ND	ND	51.5	53.2	2	10.0-120			2.92	39
2,4-Dinitrophenol	722	ND	ND	ND	58.4	57.6	2	10.0-121			1.58	40
2-Nitrophenol	722	ND	ND	ND	65.4	65.4	2	12.0-120			0.233	39
4-Nitrophenol	722	ND	ND	ND	65.2	68.2	2	10.0-137			4.12	32
Pentachlorophenol	722	ND	ND	ND	65.2	59.2	2	10.0-160			10.1	31
Phenol	722	ND	ND	ND	57.6	57.6	2	12.0-120			0.265	38
2,4,6-Trichlorophenol	722	ND	ND	ND	71.0	74.5	2	19.0-120			4.41	32
(S) 2-Fluorophenol					*65.1*	*74.2*		*12.0-120*				
(S) Phenol-d5					*61.5*	*61.3*		*10.0-120*				
(S) Nitrobenzene-d5					*50.0*	*48.3*		*10.0-122*				
(S) 2-Fluorobiphenyl					*66.8*	*65.7*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*85.7*	*79.7*		*10.0-127*				
(S) p-Terphenyl-d14					*79.0*	*74.0*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
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
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
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.

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	LAO000356
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.

Pace® Location Requested (City/State):

Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

A150

Scan QR Code for instructions

L#558929

Company Name: CTEH, LLC

Street Address: 5120 North Shore Drive, North Little Rock, AR 72118

Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman

Phone #:

E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcmullin@cteh.com; ahenault@cteh.com

Cc E-Mail: ecatlin@cteh.com; mklinkerman@cteh.com

Customer Project #: PROJ-054017

Invoice to: CTEH

Project Name: Bishop LOC

Invoice E-mail: ctehap@montrose-env.com

Site Collection Info/Facility ID (as applicable): Galeton, CO

Purchase Order # (if applicable):

Quote #:

Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET

County / State origin of sample(s): CO

Data Deliverables: [X] 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)

Specify Container Size **: 8oz | 8oz | 8oz | 8oz | 6

Identify Container Preservative Type***: 1 | 1 | 1 | 1 | 4

Analysis Requested: VOCs 8260D | SVOCs 8270E; Metals 6010D | Total N/TKN/N+N/NH3 EPA 351.2/9056A | TOC Walkley Black | VOCs 8260D

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40ml vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: 546-Jared Starkey; AcctNum / Client ID: CTEHER; Table #:; Profile / Template: T271979; Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	VOCs 8260D	SVOCs 8270E; Metals 6010D	Total N/TKN/N+N/NH3 EPA 351.2/9056A	TOC Walkley Black	VOCs 8260D	Sample Comment
GAC00514T016S001	SS	G	-	-	5/14/2025	1035	3	-	-	X	X	X	X	-	-01
GAC00514T016C001	SS	G	-	-	5/14/2025	1035	3	-	-	X	X	X	X	-	-02
GAC00514T016S002	SS	G	-	-	5/14/2025	1100	3	-	-	X	X	X	X	-	-03
GAC00514T016T001	OT	-	-	-	5/14/2025	0700	2	-	-	-	-	-	-	X	-04

(9)

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 Daniel Crawford; Signature Daniel Crawford

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:	Received by/Company: (Signature)	Date/Time:
Daniel Crawford / Montrose	05/14/25 18:00	Dewark	5.15.25 0800
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

GAC00514T016S

Multiple Parcel Form

L# LX650929

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
SwA	TLA9	2.7	0.4	3.1	(Yes) / No / Not Present
SwA	TLA9	2.9	0.4	3.3	(Yes) / No / Not Present
SwA	TLA9	5.2	0.4	5.6	(Yes) / No / Not Present
SwA	TLA9	0.4	0.4	0.8	(Yes) / No / Not Present
SwA	TLA9	1.8	0.4	2.2	(Yes) / No / Not Present
SwA	TLA9	3.5	0.4	3.9	(Yes) / No / Not Present
SwA	TLA9	3.3	0.4	3.7	(Yes) / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Deegan H
Name

5.15.25
Date