ANALYTICAL REPORT

June 20, 2025

Revised Report

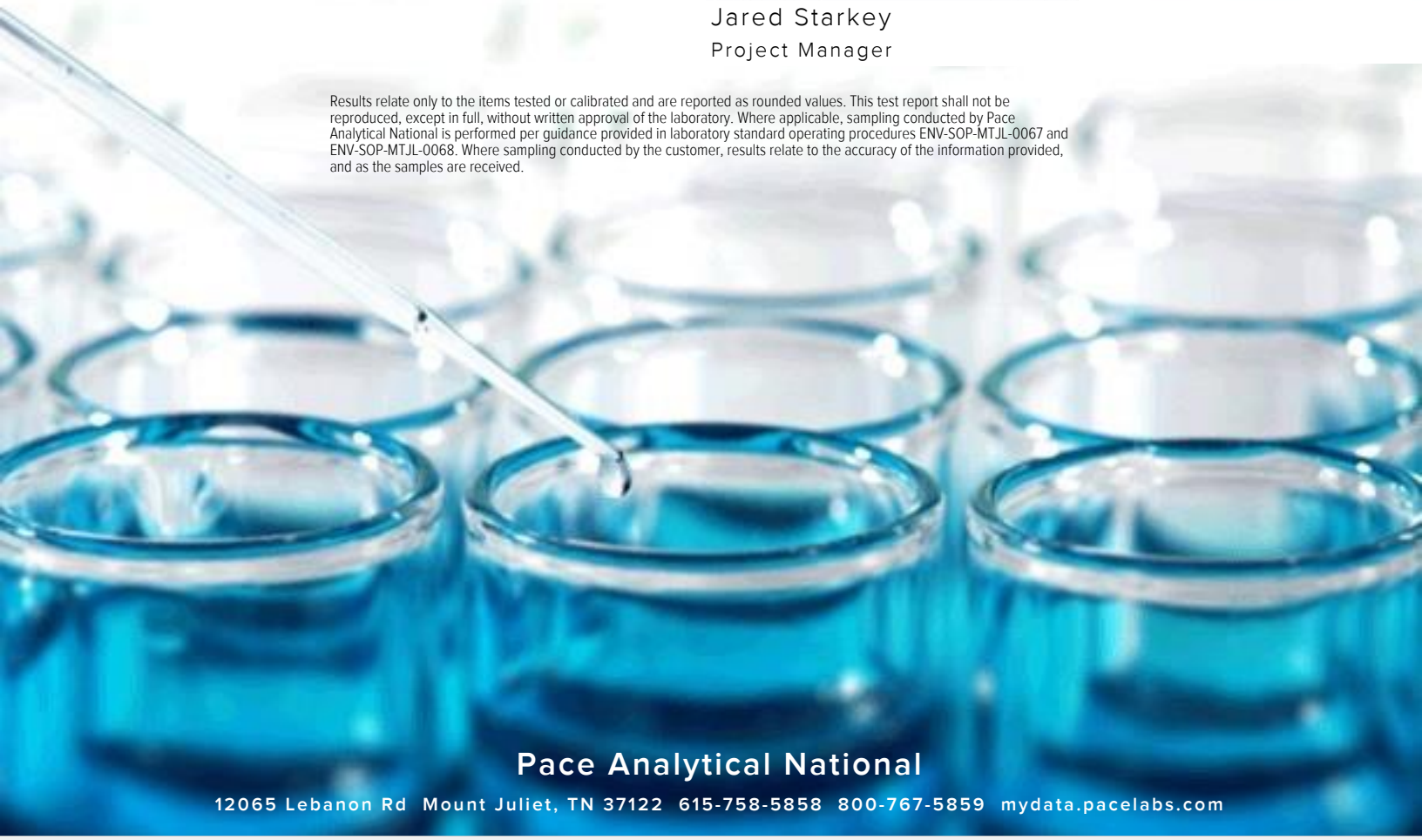
Pace Analytical Services, LLC
2025.06.20 21:30:27 -05'00'
Document is certified

CTEH - ER

Sample Delivery Group:	L1853811
Samples Received:	05/01/2025
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

GACO0430T032S001 L1853811-01

Collected by: Elizabeth | Collected date/time: 04/30/25 10:10 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2504823	1	05/01/25 17:50	05/02/25 16:02	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2504637	1	05/01/25 14:54	05/01/25 15:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2504848	1	05/01/25 21:04	05/02/25 01:44	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2504845	10	05/01/25 21:00	05/02/25 16:02	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2504823	1	05/01/25 17:50	05/01/25 21:23	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2504836	5	05/01/25 14:00	05/02/25 17:37	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2504889	1	05/01/25 18:32	05/01/25 23:25	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2504770	1	05/01/25 15:38	05/01/25 20:57	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2504788	1	05/01/25 17:27	05/02/25 00:09	JRM	Mt. Juliet, TN

GACO0430T032S002 L1853811-02

Collected by: Elizabeth | Collected date/time: 04/30/25 10:30 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2504823	1	05/01/25 17:50	05/02/25 17:15	JDG	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2504637	1	05/01/25 14:54	05/01/25 15:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2504848	1	05/01/25 21:04	05/02/25 01:46	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2504845	1	05/01/25 21:00	05/02/25 17:15	JDG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2504823	1	05/01/25 17:50	05/01/25 21:36	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2504836	5	05/01/25 14:00	05/02/25 17:37	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2504889	1	05/01/25 18:32	05/01/25 23:27	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2504770	1	05/01/25 15:38	05/01/25 21:18	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2504788	1	05/01/25 17:27	05/01/25 22:25	JRM	Mt. Juliet, TN

GACO0430T032S003 L1853811-03

Collected by: Elizabeth | Collected date/time: 04/30/25 10:55 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2504823	1	05/01/25 17:50	05/02/25 16:05	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2504637	1	05/01/25 14:54	05/01/25 15:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2504848	1	05/01/25 21:04	05/02/25 01:47	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2504845	10	05/01/25 21:00	05/02/25 16:05	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2504823	1.03	05/01/25 17:50	05/01/25 21:49	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2504836	5	05/01/25 14:00	05/02/25 17:38	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2504889	1	05/01/25 18:32	05/01/25 23:29	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2504770	1	05/01/25 15:38	05/01/25 21:39	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2504788	2	05/01/25 17:27	05/02/25 00:29	NWH	Mt. Juliet, TN

GACO0430T032S004 L1853811-04

Collected by: Elizabeth | Collected date/time: 04/30/25 11:15 | Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2504823	1	05/01/25 17:50	05/02/25 16:06	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2504637	1	05/01/25 14:54	05/01/25 15:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2504848	1	05/01/25 21:04	05/02/25 01:49	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2504845	10	05/01/25 21:00	05/02/25 16:06	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2504823	1.03	05/01/25 17:50	05/01/25 22:01	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2504836	5	05/01/25 14:00	05/02/25 17:38	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2504889	1	05/01/25 18:32	05/01/25 23:31	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2504770	1	05/01/25 15:38	05/01/25 21:59	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2504840	2	05/01/25 17:40	05/01/25 21:41	NWH	Mt. Juliet, TN

GACO0430T032C004 L1853811-05

Collected by: Elizabeth
Collected date/time: 04/30/25 11:15
Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2504823	1	05/01/25 17:50	05/02/25 16:07	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2504637	1	05/01/25 14:54	05/01/25 15:09	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2504848	1	05/01/25 21:04	05/02/25 01:50	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2504845	10	05/01/25 21:00	05/02/25 16:07	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2504823	1.03	05/01/25 17:50	05/01/25 22:14	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2504836	5	05/01/25 14:00	05/02/25 17:39	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2504889	1	05/01/25 18:32	05/01/25 23:33	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2504770	1	05/01/25 15:38	05/01/25 22:20	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2504840	2	05/01/25 17:40	05/01/25 20:38	NWH	Mt. Juliet, TN

GACO0430T032T002 L1853811-06

Collected by: Elizabeth
Collected date/time: 04/30/25 07:30
Received date/time: 05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2504926	1	05/01/25 20:39	05/01/25 20:39	DWR	Mt. Juliet, TN

CASE NARRATIVE

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

Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 05/03/25 12:24

Project Comments

-02 Nitrogen calculation correction

Wet Chemistry by Method 4500NOrg D-2021

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

Batch	Lab Sample ID	Analytes
WG2504845	(MS) R4209036-3, (MSD) R4209036-4	Kjeldahl Nitrogen, TKN

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2504889	(MS) R4208624-5, (MSD) R4208624-6	Aluminum, Magnesium and Potassium

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

Batch	Lab Sample ID	Analytes
WG2504889	(MS) R4208624-5, (MSD) R4208624-6	Antimony and Manganese

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

Batch	Lab Sample ID	Analytes
WG2504889	(MS) R4208624-5, (MSD) R4208624-6	Calcium and Iron

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

Batch	Lab Sample ID	Analytes
WG2504889	(MSD) R4208624-6	Aluminum, Calcium and Potassium

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
WG2504770	L1853811-01	4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2504770	L1853811-02	4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2504770	L1853811-03	4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2504770	L1853811-04	4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2504770	L1853811-05	4-Methyl-2-pentanone (MIBK), Acrylonitrile and Chloromethane
WG2504926	L1853811-06	1,1,2,2-Tetrachloroethane, 2-Butanone (MEK), 4-Methyl-2-pentanone (MIBK), Acrylonitrile and Di-isopropyl ether

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

Batch	Lab Sample ID	Analytes
WG2504926	(LCSD) R4208673-2, L1853811-06	1,2-Dichloropropane

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

Batch	Lab Sample ID	Analytes
WG2504770	(LCS) R4208662-1, L1853811-01, 02, 03, 04, 05	Chloroform
WG2504926	(LCS) R4208673-1, (LCSD) R4208673-2, L1853811-06	Acrolein

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
WG2504788	L1853811-01	2,2-Oxybis(1-Chloropropane), 2,4-Dimethylphenol, Bis(2-chloroethyl)ether and Hexachlorocyclopentadiene
WG2504788	L1853811-02	2,2-Oxybis(1-Chloropropane), 2,4-Dimethylphenol, Bis(2-chloroethyl)ether and Hexachlorocyclopentadiene
WG2504788	L1853811-03	2,4-Dimethylphenol and Hexachlorocyclopentadiene
WG2504840	L1853811-04	2,4-Dimethylphenol and Hexachlorocyclopentadiene
WG2504840	L1853811-05	2,4-Dimethylphenol and Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2504788	L1853811-03	Benzidine
WG2504840	L1853811-04	Benzidine
WG2504840	L1853811-05	Benzidine

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

Batch	Lab Sample ID	Analytes
WG2504788	(MS) R4208587-3, (MSD) R4208587-4	Hexachlorocyclopentadiene
WG2504840	(MS) R4208613-3, (MSD) R4208613-4, L1853811-05	Benzidine and Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2504840	(MSD) R4208613-4, L1853811-05	Hexachlorocyclopentadiene

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1930000		25300	1	05/02/2025 16:02	WG2504823

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	79.1		1	05/01/2025 15:09	WG2504637

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12600	1	05/02/2025 01:44	WG2504848

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	1910000		253000	10	05/02/2025 16:02	WG2504845

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		25300	1	05/01/2025 21:23	WG2504823

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	26300000		500000	5	05/02/2025 17:37	WG2504836

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	5390000		25300	1	05/01/2025 23:25	WG2504889
Antimony	ND		2530	1	05/01/2025 23:25	WG2504889
Beryllium	647		253	1	05/01/2025 23:25	WG2504889
Calcium	8990000		126000	1	05/01/2025 23:25	WG2504889
Cobalt	4540		1260	1	05/01/2025 23:25	WG2504889
Iron	14100000		12600	1	05/01/2025 23:25	WG2504889
Magnesium	2740000		126000	1	05/01/2025 23:25	WG2504889
Manganese	319000		1260	1	05/01/2025 23:25	WG2504889
Potassium	2180000		126000	1	05/01/2025 23:25	WG2504889
Sodium	182000		126000	1	05/01/2025 23:25	WG2504889
Thallium	ND		2530	1	05/01/2025 23:25	WG2504889
Vanadium	15000		2530	1	05/01/2025 23:25	WG2504889

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		76.4	1	05/01/2025 20:57	WG2504770
Acrylonitrile	ND	C3	19.1	1	05/01/2025 20:57	WG2504770
Bromobenzene	ND		19.1	1	05/01/2025 20:57	WG2504770
Bromodichloromethane	ND		3.82	1	05/01/2025 20:57	WG2504770
Bromoform	ND		38.2	1	05/01/2025 20:57	WG2504770
Bromomethane	ND		19.1	1	05/01/2025 20:57	WG2504770

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		19.1	1	05/01/2025 20:57	WG2504770
sec-Butylbenzene	ND		19.1	1	05/01/2025 20:57	WG2504770
tert-Butylbenzene	ND		7.64	1	05/01/2025 20:57	WG2504770
Carbon tetrachloride	ND		7.64	1	05/01/2025 20:57	WG2504770
Chlorobenzene	ND		3.82	1	05/01/2025 20:57	WG2504770
Chlorodibromomethane	ND		3.82	1	05/01/2025 20:57	WG2504770
Chloroethane	ND		7.64	1	05/01/2025 20:57	WG2504770
Chloroform	ND	J4	3.82	1	05/01/2025 20:57	WG2504770
Chloromethane	ND	C3	19.1	1	05/01/2025 20:57	WG2504770
2-Chlorotoluene	ND		3.82	1	05/01/2025 20:57	WG2504770
4-Chlorotoluene	ND		7.64	1	05/01/2025 20:57	WG2504770
1,2-Dibromo-3-Chloropropane	ND		38.2	1	05/01/2025 20:57	WG2504770
1,2-Dibromoethane	ND		3.82	1	05/01/2025 20:57	WG2504770
Dibromomethane	ND		7.64	1	05/01/2025 20:57	WG2504770
1,2-Dichlorobenzene	ND		7.64	1	05/01/2025 20:57	WG2504770
1,3-Dichlorobenzene	ND		7.64	1	05/01/2025 20:57	WG2504770
1,4-Dichlorobenzene	ND		7.64	1	05/01/2025 20:57	WG2504770
Dichlorodifluoromethane	ND		7.64	1	05/01/2025 20:57	WG2504770
1,1-Dichloroethane	ND		3.82	1	05/01/2025 20:57	WG2504770
1,2-Dichloroethane	ND		3.82	1	05/01/2025 20:57	WG2504770
1,1-Dichloroethene	ND		3.82	1	05/01/2025 20:57	WG2504770
cis-1,2-Dichloroethene	ND		3.82	1	05/01/2025 20:57	WG2504770
trans-1,2-Dichloroethene	ND		7.64	1	05/01/2025 20:57	WG2504770
1,2-Dichloropropane	ND		7.64	1	05/01/2025 20:57	WG2504770
1,1-Dichloropropene	ND		3.82	1	05/01/2025 20:57	WG2504770
1,3-Dichloropropane	ND		7.64	1	05/01/2025 20:57	WG2504770
cis-1,3-Dichloropropene	ND		3.82	1	05/01/2025 20:57	WG2504770
trans-1,3-Dichloropropene	ND		7.64	1	05/01/2025 20:57	WG2504770
2,2-Dichloropropane	ND		3.82	1	05/01/2025 20:57	WG2504770
Di-isopropyl ether	ND		1.53	1	05/01/2025 20:57	WG2504770
Hexachloro-1,3-butadiene	ND		38.2	1	05/01/2025 20:57	WG2504770
Isopropylbenzene	ND		3.82	1	05/01/2025 20:57	WG2504770
p-Isopropyltoluene	ND		7.64	1	05/01/2025 20:57	WG2504770
2-Butanone (MEK)	ND		153	1	05/01/2025 20:57	WG2504770
Methylene Chloride	ND		38.2	1	05/01/2025 20:57	WG2504770
4-Methyl-2-pentanone (MIBK)	ND	C3	38.2	1	05/01/2025 20:57	WG2504770
Methyl tert-butyl ether	ND		1.53	1	05/01/2025 20:57	WG2504770
n-Propylbenzene	ND		7.64	1	05/01/2025 20:57	WG2504770
Styrene	ND		19.1	1	05/01/2025 20:57	WG2504770
1,1,1,2-Tetrachloroethane	ND		3.82	1	05/01/2025 20:57	WG2504770
1,1,2,2-Tetrachloroethane	ND		3.82	1	05/01/2025 20:57	WG2504770
1,1,2-Trichlorotrifluoroethane	ND		3.82	1	05/01/2025 20:57	WG2504770
Tetrachloroethene	ND		3.82	1	05/01/2025 20:57	WG2504770
1,2,3-Trichlorobenzene	ND		19.1	1	05/01/2025 20:57	WG2504770
1,2,4-Trichlorobenzene	ND		19.1	1	05/01/2025 20:57	WG2504770
1,1,1-Trichloroethane	ND		3.82	1	05/01/2025 20:57	WG2504770
1,1,2-Trichloroethane	ND		3.82	1	05/01/2025 20:57	WG2504770
Trichloroethene	ND		1.53	1	05/01/2025 20:57	WG2504770
Trichlorofluoromethane	ND		3.82	1	05/01/2025 20:57	WG2504770
1,2,3-Trichloropropane	ND		19.1	1	05/01/2025 20:57	WG2504770
1,2,3-Trimethylbenzene	ND		7.64	1	05/01/2025 20:57	WG2504770
Vinyl chloride	ND		3.82	1	05/01/2025 20:57	WG2504770
(S) Toluene-d8	*98.6*		*75.0-131*		*05/01/2025 20:57*	WG2504770
(S) 4-Bromofluorobenzene	*98.9*		*67.0-138*		*05/01/2025 20:57*	WG2504770
(S) 1,2-Dichloroethane-d4	*119*		*70.0-130*		*05/01/2025 20:57*	WG2504770

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		42.1	1	05/02/2025 00:09	WG2504788
Benzidine	ND		2110	1	05/02/2025 00:09	WG2504788
Benzo(g,h,i)perylene	ND		42.1	1	05/02/2025 00:09	WG2504788
Bis(2-chlorethoxy)methane	ND		421	1	05/02/2025 00:09	WG2504788
Bis(2-chloroethyl)ether	ND	C3	421	1	05/02/2025 00:09	WG2504788
2,2-Oxybis(1-Chloropropane)	ND	C3	421	1	05/02/2025 00:09	WG2504788
4-Bromophenyl-phenylether	ND		421	1	05/02/2025 00:09	WG2504788
2-Chloronaphthalene	ND		42.1	1	05/02/2025 00:09	WG2504788
4-Chlorophenyl-phenylether	ND		421	1	05/02/2025 00:09	WG2504788
1,2-Dichlorobenzene	ND		421	1	05/02/2025 00:09	WG2504788
1,3-Dichlorobenzene	ND		421	1	05/02/2025 00:09	WG2504788
1,4-Dichlorobenzene	ND		421	1	05/02/2025 00:09	WG2504788
3,3-Dichlorobenzidine	ND		421	1	05/02/2025 00:09	WG2504788
2,4-Dinitrotoluene	ND		421	1	05/02/2025 00:09	WG2504788
2,6-Dinitrotoluene	ND		421	1	05/02/2025 00:09	WG2504788
Hexachlorobenzene	ND		421	1	05/02/2025 00:09	WG2504788
Hexachloro-1,3-butadiene	ND		421	1	05/02/2025 00:09	WG2504788
Hexachlorocyclopentadiene	ND	C3	421	1	05/02/2025 00:09	WG2504788
Hexachloroethane	ND		421	1	05/02/2025 00:09	WG2504788
Isophorone	ND		421	1	05/02/2025 00:09	WG2504788
Nitrobenzene	ND		421	1	05/02/2025 00:09	WG2504788
n-Nitrosodimethylamine	ND		421	1	05/02/2025 00:09	WG2504788
n-Nitrosodiphenylamine	ND		421	1	05/02/2025 00:09	WG2504788
n-Nitrosodi-n-propylamine	ND		421	1	05/02/2025 00:09	WG2504788
Phenanthrene	ND		42.1	1	05/02/2025 00:09	WG2504788
Benzylbutyl phthalate	ND		421	1	05/02/2025 00:09	WG2504788
Bis(2-ethylhexyl)phthalate	ND		421	1	05/02/2025 00:09	WG2504788
Di-n-butyl phthalate	ND		421	1	05/02/2025 00:09	WG2504788
Diethyl phthalate	ND		421	1	05/02/2025 00:09	WG2504788
Dimethyl phthalate	ND		421	1	05/02/2025 00:09	WG2504788
Di-n-octyl phthalate	ND		421	1	05/02/2025 00:09	WG2504788
1,2,4-Trichlorobenzene	ND		421	1	05/02/2025 00:09	WG2504788
4-Chloro-3-methylphenol	ND		421	1	05/02/2025 00:09	WG2504788
2-Chlorophenol	ND		421	1	05/02/2025 00:09	WG2504788
2,4-Dichlorophenol	ND		421	1	05/02/2025 00:09	WG2504788
2,4-Dimethylphenol	ND	C3	421	1	05/02/2025 00:09	WG2504788
4,6-Dinitro-2-methylphenol	ND		421	1	05/02/2025 00:09	WG2504788
2,4-Dinitrophenol	ND		421	1	05/02/2025 00:09	WG2504788
2-Nitrophenol	ND		421	1	05/02/2025 00:09	WG2504788
4-Nitrophenol	ND		421	1	05/02/2025 00:09	WG2504788
Pentachlorophenol	ND		421	1	05/02/2025 00:09	WG2504788
Phenol	ND		421	1	05/02/2025 00:09	WG2504788
2,4,6-Trichlorophenol	ND		421	1	05/02/2025 00:09	WG2504788
(S) 2-Fluorophenol	*67.9*		*12.0-120*		*05/02/2025 00:09*	WG2504788
(S) Phenol-d5	*56.1*		*10.0-120*		*05/02/2025 00:09*	WG2504788
(S) Nitrobenzene-d5	*55.6*		*10.0-122*		*05/02/2025 00:09*	WG2504788
(S) 2-Fluorobiphenyl	*63.2*		*15.0-120*		*05/02/2025 00:09*	WG2504788
(S) 2,4,6-Tribromophenol	*75.1*		*10.0-127*		*05/02/2025 00:09*	WG2504788
(S) p-Terphenyl-d14	*66.0*		*10.0-120*		*05/02/2025 00:09*	WG2504788

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	148000		27500	1	05/02/2025 17:15	WG2504823

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	72.7		1	05/01/2025 15:09	WG2504637

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		13800	1	05/02/2025 01:46	WG2504848

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	148000		27500	1	05/02/2025 17:15	WG2504845

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		27500	1	05/01/2025 21:36	WG2504823

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	9270000		500000	5	05/02/2025 17:37	WG2504836

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	964000		27500	1	05/01/2025 23:27	WG2504889
Antimony	ND		2750	1	05/01/2025 23:27	WG2504889
Beryllium	ND		275	1	05/01/2025 23:27	WG2504889
Calcium	1940000		138000	1	05/01/2025 23:27	WG2504889
Cobalt	ND		1380	1	05/01/2025 23:27	WG2504889
Iron	2410000		13800	1	05/01/2025 23:27	WG2504889
Magnesium	663000		138000	1	05/01/2025 23:27	WG2504889
Manganese	43400		1380	1	05/01/2025 23:27	WG2504889
Potassium	253000		138000	1	05/01/2025 23:27	WG2504889
Sodium	150000		138000	1	05/01/2025 23:27	WG2504889
Thallium	ND		2750	1	05/01/2025 23:27	WG2504889
Vanadium	3800		2750	1	05/01/2025 23:27	WG2504889

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		87.6	1	05/01/2025 21:18	WG2504770
Acrylonitrile	ND	C3	21.9	1	05/01/2025 21:18	WG2504770
Bromobenzene	ND		21.9	1	05/01/2025 21:18	WG2504770
Bromodichloromethane	ND		4.38	1	05/01/2025 21:18	WG2504770
Bromoform	ND		43.8	1	05/01/2025 21:18	WG2504770
Bromomethane	ND		21.9	1	05/01/2025 21:18	WG2504770

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		21.9	1	05/01/2025 21:18	WG2504770
sec-Butylbenzene	ND		21.9	1	05/01/2025 21:18	WG2504770
tert-Butylbenzene	ND		8.76	1	05/01/2025 21:18	WG2504770
Carbon tetrachloride	ND		8.76	1	05/01/2025 21:18	WG2504770
Chlorobenzene	ND		4.38	1	05/01/2025 21:18	WG2504770
Chlorodibromomethane	ND		4.38	1	05/01/2025 21:18	WG2504770
Chloroethane	ND		8.76	1	05/01/2025 21:18	WG2504770
Chloroform	ND	J4	4.38	1	05/01/2025 21:18	WG2504770
Chloromethane	ND	C3	21.9	1	05/01/2025 21:18	WG2504770
2-Chlorotoluene	ND		4.38	1	05/01/2025 21:18	WG2504770
4-Chlorotoluene	ND		8.76	1	05/01/2025 21:18	WG2504770
1,2-Dibromo-3-Chloropropane	ND		43.8	1	05/01/2025 21:18	WG2504770
1,2-Dibromoethane	ND		4.38	1	05/01/2025 21:18	WG2504770
Dibromomethane	ND		8.76	1	05/01/2025 21:18	WG2504770
1,2-Dichlorobenzene	ND		8.76	1	05/01/2025 21:18	WG2504770
1,3-Dichlorobenzene	ND		8.76	1	05/01/2025 21:18	WG2504770
1,4-Dichlorobenzene	ND		8.76	1	05/01/2025 21:18	WG2504770
Dichlorodifluoromethane	ND		8.76	1	05/01/2025 21:18	WG2504770
1,1-Dichloroethane	ND		4.38	1	05/01/2025 21:18	WG2504770
1,2-Dichloroethane	ND		4.38	1	05/01/2025 21:18	WG2504770
1,1-Dichloroethene	ND		4.38	1	05/01/2025 21:18	WG2504770
cis-1,2-Dichloroethene	ND		4.38	1	05/01/2025 21:18	WG2504770
trans-1,2-Dichloroethene	ND		8.76	1	05/01/2025 21:18	WG2504770
1,2-Dichloropropane	ND		8.76	1	05/01/2025 21:18	WG2504770
1,1-Dichloropropene	ND		4.38	1	05/01/2025 21:18	WG2504770
1,3-Dichloropropane	ND		8.76	1	05/01/2025 21:18	WG2504770
cis-1,3-Dichloropropene	ND		4.38	1	05/01/2025 21:18	WG2504770
trans-1,3-Dichloropropene	ND		8.76	1	05/01/2025 21:18	WG2504770
2,2-Dichloropropane	ND		4.38	1	05/01/2025 21:18	WG2504770
Di-isopropyl ether	ND		1.75	1	05/01/2025 21:18	WG2504770
Hexachloro-1,3-butadiene	ND		43.8	1	05/01/2025 21:18	WG2504770
Isopropylbenzene	ND		4.38	1	05/01/2025 21:18	WG2504770
p-Isopropyltoluene	ND		8.76	1	05/01/2025 21:18	WG2504770
2-Butanone (MEK)	ND		175	1	05/01/2025 21:18	WG2504770
Methylene Chloride	ND		43.8	1	05/01/2025 21:18	WG2504770
4-Methyl-2-pentanone (MIBK)	ND	C3	43.8	1	05/01/2025 21:18	WG2504770
Methyl tert-butyl ether	ND		1.75	1	05/01/2025 21:18	WG2504770
n-Propylbenzene	ND		8.76	1	05/01/2025 21:18	WG2504770
Styrene	ND		21.9	1	05/01/2025 21:18	WG2504770
1,1,1,2-Tetrachloroethane	ND		4.38	1	05/01/2025 21:18	WG2504770
1,1,2,2-Tetrachloroethane	ND		4.38	1	05/01/2025 21:18	WG2504770
1,1,2-Trichlorotrifluoroethane	ND		4.38	1	05/01/2025 21:18	WG2504770
Tetrachloroethene	ND		4.38	1	05/01/2025 21:18	WG2504770
1,2,3-Trichlorobenzene	ND		21.9	1	05/01/2025 21:18	WG2504770
1,2,4-Trichlorobenzene	ND		21.9	1	05/01/2025 21:18	WG2504770
1,1,1-Trichloroethane	ND		4.38	1	05/01/2025 21:18	WG2504770
1,1,2-Trichloroethane	ND		4.38	1	05/01/2025 21:18	WG2504770
Trichloroethene	ND		1.75	1	05/01/2025 21:18	WG2504770
Trichlorofluoromethane	ND		4.38	1	05/01/2025 21:18	WG2504770
1,2,3-Trichloropropane	ND		21.9	1	05/01/2025 21:18	WG2504770
1,2,3-Trimethylbenzene	ND		8.76	1	05/01/2025 21:18	WG2504770
Vinyl chloride	ND		4.38	1	05/01/2025 21:18	WG2504770
(S) Toluene-d8	*99.9*		*75.0-131*		*05/01/2025 21:18*	WG2504770
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*05/01/2025 21:18*	WG2504770
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*05/01/2025 21:18*	WG2504770

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		45.8	1	05/01/2025 22:25	WG2504788
Benzidine	ND		2300	1	05/01/2025 22:25	WG2504788
Benzo(g,h,i)perylene	ND		45.8	1	05/01/2025 22:25	WG2504788
Bis(2-chlorethoxy)methane	ND		458	1	05/01/2025 22:25	WG2504788
Bis(2-chloroethyl)ether	ND	C3	458	1	05/01/2025 22:25	WG2504788
2,2-Oxybis(1-Chloropropane)	ND	C3	458	1	05/01/2025 22:25	WG2504788
4-Bromophenyl-phenylether	ND		458	1	05/01/2025 22:25	WG2504788
2-Chloronaphthalene	ND		45.8	1	05/01/2025 22:25	WG2504788
4-Chlorophenyl-phenylether	ND		458	1	05/01/2025 22:25	WG2504788
1,2-Dichlorobenzene	ND		458	1	05/01/2025 22:25	WG2504788
1,3-Dichlorobenzene	ND		458	1	05/01/2025 22:25	WG2504788
1,4-Dichlorobenzene	ND		458	1	05/01/2025 22:25	WG2504788
3,3-Dichlorobenzidine	ND		458	1	05/01/2025 22:25	WG2504788
2,4-Dinitrotoluene	ND		458	1	05/01/2025 22:25	WG2504788
2,6-Dinitrotoluene	ND		458	1	05/01/2025 22:25	WG2504788
Hexachlorobenzene	ND		458	1	05/01/2025 22:25	WG2504788
Hexachloro-1,3-butadiene	ND		458	1	05/01/2025 22:25	WG2504788
Hexachlorocyclopentadiene	ND	C3	458	1	05/01/2025 22:25	WG2504788
Hexachloroethane	ND		458	1	05/01/2025 22:25	WG2504788
Isophorone	ND		458	1	05/01/2025 22:25	WG2504788
Nitrobenzene	ND		458	1	05/01/2025 22:25	WG2504788
n-Nitrosodimethylamine	ND		458	1	05/01/2025 22:25	WG2504788
n-Nitrosodiphenylamine	ND		458	1	05/01/2025 22:25	WG2504788
n-Nitrosodi-n-propylamine	ND		458	1	05/01/2025 22:25	WG2504788
Phenanthrene	ND		45.8	1	05/01/2025 22:25	WG2504788
Benzylbutyl phthalate	ND		458	1	05/01/2025 22:25	WG2504788
Bis(2-ethylhexyl)phthalate	ND		458	1	05/01/2025 22:25	WG2504788
Di-n-butyl phthalate	ND		458	1	05/01/2025 22:25	WG2504788
Diethyl phthalate	ND		458	1	05/01/2025 22:25	WG2504788
Dimethyl phthalate	ND		458	1	05/01/2025 22:25	WG2504788
Di-n-octyl phthalate	ND		458	1	05/01/2025 22:25	WG2504788
1,2,4-Trichlorobenzene	ND		458	1	05/01/2025 22:25	WG2504788
4-Chloro-3-methylphenol	ND		458	1	05/01/2025 22:25	WG2504788
2-Chlorophenol	ND		458	1	05/01/2025 22:25	WG2504788
2,4-Dichlorophenol	ND		458	1	05/01/2025 22:25	WG2504788
2,4-Dimethylphenol	ND	C3	458	1	05/01/2025 22:25	WG2504788
4,6-Dinitro-2-methylphenol	ND		458	1	05/01/2025 22:25	WG2504788
2,4-Dinitrophenol	ND		458	1	05/01/2025 22:25	WG2504788
2-Nitrophenol	ND		458	1	05/01/2025 22:25	WG2504788
4-Nitrophenol	ND		458	1	05/01/2025 22:25	WG2504788
Pentachlorophenol	ND		458	1	05/01/2025 22:25	WG2504788
Phenol	ND		458	1	05/01/2025 22:25	WG2504788
2,4,6-Trichlorophenol	ND		458	1	05/01/2025 22:25	WG2504788
(S) 2-Fluorophenol	*62.1*		*12.0-120*		*05/01/2025 22:25*	WG2504788
(S) Phenol-d5	*54.8*		*10.0-120*		*05/01/2025 22:25*	WG2504788
(S) Nitrobenzene-d5	*52.4*		*10.0-122*		*05/01/2025 22:25*	WG2504788
(S) 2-Fluorobiphenyl	*58.8*		*15.0-120*		*05/01/2025 22:25*	WG2504788
(S) 2,4,6-Tribromophenol	*66.8*		*10.0-127*		*05/01/2025 22:25*	WG2504788
(S) p-Terphenyl-d14	*62.7*		*10.0-120*		*05/01/2025 22:25*	WG2504788

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1740000		25300	1	05/02/2025 16:05	WG2504823

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.4		1	05/01/2025 15:09	WG2504637

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	05/02/2025 01:47	WG2504848

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	1720000		246000	10	05/02/2025 16:05	WG2504845

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	26400		25300	1.03	05/01/2025 21:49	WG2504823

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	22000000		500000	5	05/02/2025 17:38	WG2504836

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	6000000		24600	1	05/01/2025 23:29	WG2504889
Antimony	ND		2460	1	05/01/2025 23:29	WG2504889
Beryllium	567		246	1	05/01/2025 23:29	WG2504889
Calcium	5800000		123000	1	05/01/2025 23:29	WG2504889
Cobalt	4460		1230	1	05/01/2025 23:29	WG2504889
Iron	8590000		12300	1	05/01/2025 23:29	WG2504889
Magnesium	2280000		123000	1	05/01/2025 23:29	WG2504889
Manganese	230000		1230	1	05/01/2025 23:29	WG2504889
Potassium	2580000		123000	1	05/01/2025 23:29	WG2504889
Sodium	ND		123000	1	05/01/2025 23:29	WG2504889
Thallium	ND		2460	1	05/01/2025 23:29	WG2504889
Vanadium	16500		2460	1	05/01/2025 23:29	WG2504889

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		72.9	1	05/01/2025 21:39	WG2504770
Acrylonitrile	ND	C3	18.2	1	05/01/2025 21:39	WG2504770
Bromobenzene	ND		18.2	1	05/01/2025 21:39	WG2504770
Bromodichloromethane	ND		3.65	1	05/01/2025 21:39	WG2504770
Bromoform	ND		36.5	1	05/01/2025 21:39	WG2504770
Bromomethane	ND		18.2	1	05/01/2025 21:39	WG2504770

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	05/01/2025 21:39	WG2504770
sec-Butylbenzene	ND		18.2	1	05/01/2025 21:39	WG2504770
tert-Butylbenzene	ND		7.29	1	05/01/2025 21:39	WG2504770
Carbon tetrachloride	ND		7.29	1	05/01/2025 21:39	WG2504770
Chlorobenzene	ND		3.65	1	05/01/2025 21:39	WG2504770
Chlorodibromomethane	ND		3.65	1	05/01/2025 21:39	WG2504770
Chloroethane	ND		7.29	1	05/01/2025 21:39	WG2504770
Chloroform	ND	J4	3.65	1	05/01/2025 21:39	WG2504770
Chloromethane	ND	C3	18.2	1	05/01/2025 21:39	WG2504770
2-Chlorotoluene	ND		3.65	1	05/01/2025 21:39	WG2504770
4-Chlorotoluene	ND		7.29	1	05/01/2025 21:39	WG2504770
1,2-Dibromo-3-Chloropropane	ND		36.5	1	05/01/2025 21:39	WG2504770
1,2-Dibromoethane	ND		3.65	1	05/01/2025 21:39	WG2504770
Dibromomethane	ND		7.29	1	05/01/2025 21:39	WG2504770
1,2-Dichlorobenzene	ND		7.29	1	05/01/2025 21:39	WG2504770
1,3-Dichlorobenzene	ND		7.29	1	05/01/2025 21:39	WG2504770
1,4-Dichlorobenzene	ND		7.29	1	05/01/2025 21:39	WG2504770
Dichlorodifluoromethane	ND		7.29	1	05/01/2025 21:39	WG2504770
1,1-Dichloroethane	ND		3.65	1	05/01/2025 21:39	WG2504770
1,2-Dichloroethane	ND		3.65	1	05/01/2025 21:39	WG2504770
1,1-Dichloroethene	ND		3.65	1	05/01/2025 21:39	WG2504770
cis-1,2-Dichloroethene	ND		3.65	1	05/01/2025 21:39	WG2504770
trans-1,2-Dichloroethene	ND		7.29	1	05/01/2025 21:39	WG2504770
1,2-Dichloropropane	ND		7.29	1	05/01/2025 21:39	WG2504770
1,1-Dichloropropene	ND		3.65	1	05/01/2025 21:39	WG2504770
1,3-Dichloropropane	ND		7.29	1	05/01/2025 21:39	WG2504770
cis-1,3-Dichloropropene	ND		3.65	1	05/01/2025 21:39	WG2504770
trans-1,3-Dichloropropene	ND		7.29	1	05/01/2025 21:39	WG2504770
2,2-Dichloropropane	ND		3.65	1	05/01/2025 21:39	WG2504770
Di-isopropyl ether	ND		1.46	1	05/01/2025 21:39	WG2504770
Hexachloro-1,3-butadiene	ND		36.5	1	05/01/2025 21:39	WG2504770
Isopropylbenzene	ND		3.65	1	05/01/2025 21:39	WG2504770
p-Isopropyltoluene	ND		7.29	1	05/01/2025 21:39	WG2504770
2-Butanone (MEK)	ND		146	1	05/01/2025 21:39	WG2504770
Methylene Chloride	ND		36.5	1	05/01/2025 21:39	WG2504770
4-Methyl-2-pentanone (MIBK)	ND	C3	36.5	1	05/01/2025 21:39	WG2504770
Methyl tert-butyl ether	ND		1.46	1	05/01/2025 21:39	WG2504770
n-Propylbenzene	ND		7.29	1	05/01/2025 21:39	WG2504770
Styrene	ND		18.2	1	05/01/2025 21:39	WG2504770
1,1,1,2-Tetrachloroethane	ND		3.65	1	05/01/2025 21:39	WG2504770
1,1,2,2-Tetrachloroethane	ND		3.65	1	05/01/2025 21:39	WG2504770
1,1,2-Trichlorotrifluoroethane	ND		3.65	1	05/01/2025 21:39	WG2504770
Tetrachloroethene	ND		3.65	1	05/01/2025 21:39	WG2504770
1,2,3-Trichlorobenzene	ND		18.2	1	05/01/2025 21:39	WG2504770
1,2,4-Trichlorobenzene	ND		18.2	1	05/01/2025 21:39	WG2504770
1,1,1-Trichloroethane	ND		3.65	1	05/01/2025 21:39	WG2504770
1,1,2-Trichloroethane	ND		3.65	1	05/01/2025 21:39	WG2504770
Trichloroethene	ND		1.46	1	05/01/2025 21:39	WG2504770
Trichlorofluoromethane	ND		3.65	1	05/01/2025 21:39	WG2504770
1,2,3-Trichloropropane	ND		18.2	1	05/01/2025 21:39	WG2504770
1,2,3-Trimethylbenzene	ND		7.29	1	05/01/2025 21:39	WG2504770
Vinyl chloride	ND		3.65	1	05/01/2025 21:39	WG2504770
(S) Toluene-d8	*98.8*		*75.0-131*		*05/01/2025 21:39*	WG2504770
(S) 4-Bromofluorobenzene	*97.6*		*67.0-138*		*05/01/2025 21:39*	WG2504770
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*05/01/2025 21:39*	WG2504770

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	05/02/2025 00:29	WG2504788
Benzidine	ND	C7	4110	2	05/02/2025 00:29	WG2504788
Benzo(g,h,i)perylene	ND		81.9	2	05/02/2025 00:29	WG2504788
Bis(2-chlorethoxy)methane	ND		819	2	05/02/2025 00:29	WG2504788
Bis(2-chloroethyl)ether	ND		819	2	05/02/2025 00:29	WG2504788
2,2-Oxybis(1-Chloropropane)	ND		819	2	05/02/2025 00:29	WG2504788
4-Bromophenyl-phenylether	ND		819	2	05/02/2025 00:29	WG2504788
2-Chloronaphthalene	ND		81.9	2	05/02/2025 00:29	WG2504788
4-Chlorophenyl-phenylether	ND		819	2	05/02/2025 00:29	WG2504788
1,2-Dichlorobenzene	ND		819	2	05/02/2025 00:29	WG2504788
1,3-Dichlorobenzene	ND		819	2	05/02/2025 00:29	WG2504788
1,4-Dichlorobenzene	ND		819	2	05/02/2025 00:29	WG2504788
3,3-Dichlorobenzidine	ND		819	2	05/02/2025 00:29	WG2504788
2,4-Dinitrotoluene	ND		819	2	05/02/2025 00:29	WG2504788
2,6-Dinitrotoluene	ND		819	2	05/02/2025 00:29	WG2504788
Hexachlorobenzene	ND		819	2	05/02/2025 00:29	WG2504788
Hexachloro-1,3-butadiene	ND		819	2	05/02/2025 00:29	WG2504788
Hexachlorocyclopentadiene	ND	C3	819	2	05/02/2025 00:29	WG2504788
Hexachloroethane	ND		819	2	05/02/2025 00:29	WG2504788
Isophorone	ND		819	2	05/02/2025 00:29	WG2504788
Nitrobenzene	ND		819	2	05/02/2025 00:29	WG2504788
n-Nitrosodimethylamine	ND		819	2	05/02/2025 00:29	WG2504788
n-Nitrosodiphenylamine	ND		819	2	05/02/2025 00:29	WG2504788
n-Nitrosodi-n-propylamine	ND		819	2	05/02/2025 00:29	WG2504788
Phenanthrene	ND		81.9	2	05/02/2025 00:29	WG2504788
Benzylbutyl phthalate	ND		819	2	05/02/2025 00:29	WG2504788
Bis(2-ethylhexyl)phthalate	ND		819	2	05/02/2025 00:29	WG2504788
Di-n-butyl phthalate	ND		819	2	05/02/2025 00:29	WG2504788
Diethyl phthalate	ND		819	2	05/02/2025 00:29	WG2504788
Dimethyl phthalate	ND		819	2	05/02/2025 00:29	WG2504788
Di-n-octyl phthalate	ND		819	2	05/02/2025 00:29	WG2504788
1,2,4-Trichlorobenzene	ND		819	2	05/02/2025 00:29	WG2504788
4-Chloro-3-methylphenol	ND		819	2	05/02/2025 00:29	WG2504788
2-Chlorophenol	ND		819	2	05/02/2025 00:29	WG2504788
2,4-Dichlorophenol	ND		819	2	05/02/2025 00:29	WG2504788
2,4-Dimethylphenol	ND	C3	819	2	05/02/2025 00:29	WG2504788
4,6-Dinitro-2-methylphenol	ND		819	2	05/02/2025 00:29	WG2504788
2,4-Dinitrophenol	ND		819	2	05/02/2025 00:29	WG2504788
2-Nitrophenol	ND		819	2	05/02/2025 00:29	WG2504788
4-Nitrophenol	ND		819	2	05/02/2025 00:29	WG2504788
Pentachlorophenol	ND		819	2	05/02/2025 00:29	WG2504788
Phenol	ND		819	2	05/02/2025 00:29	WG2504788
2,4,6-Trichlorophenol	ND		819	2	05/02/2025 00:29	WG2504788
(S) 2-Fluorophenol	*70.1*		*12.0-120*		*05/02/2025 00:29*	WG2504788
(S) Phenol-d5	*58.1*		*10.0-120*		*05/02/2025 00:29*	WG2504788
(S) Nitrobenzene-d5	*47.5*		*10.0-122*		*05/02/2025 00:29*	WG2504788
(S) 2-Fluorobiphenyl	*60.8*		*15.0-120*		*05/02/2025 00:29*	WG2504788
(S) 2,4,6-Tribromophenol	*62.5*		*10.0-127*		*05/02/2025 00:29*	WG2504788
(S) p-Terphenyl-d14	*64.6*		*10.0-120*		*05/02/2025 00:29*	WG2504788

Sample Narrative:

L1853811-03 WG2504788: Dilution due to matrix impact during extract concentration procedure.

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1250000		22800	1	05/02/2025 16:06	WG2504823

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	05/01/2025 15:09	WG2504637

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11100	1	05/02/2025 01:49	WG2504848

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	1220000		221000	10	05/02/2025 16:06	WG2504845

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	35600		22800	1.03	05/01/2025 22:01	WG2504823

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	18500000		500000	5	05/02/2025 17:38	WG2504836

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	2180000		22100	1	05/01/2025 23:31	WG2504889
Antimony	ND		2210	1	05/01/2025 23:31	WG2504889
Beryllium	293		221	1	05/01/2025 23:31	WG2504889
Calcium	9950000		111000	1	05/01/2025 23:31	WG2504889
Cobalt	2340		1110	1	05/01/2025 23:31	WG2504889
Iron	3480000		11100	1	05/01/2025 23:31	WG2504889
Magnesium	1520000		111000	1	05/01/2025 23:31	WG2504889
Manganese	120000		1110	1	05/01/2025 23:31	WG2504889
Potassium	1240000		111000	1	05/01/2025 23:31	WG2504889
Sodium	155000		111000	1	05/01/2025 23:31	WG2504889
Thallium	ND		2210	1	05/01/2025 23:31	WG2504889
Vanadium	8570		2210	1	05/01/2025 23:31	WG2504889

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		60.7	1	05/01/2025 21:59	WG2504770
Acrylonitrile	ND	C3	15.2	1	05/01/2025 21:59	WG2504770
Bromobenzene	ND		15.2	1	05/01/2025 21:59	WG2504770
Bromodichloromethane	ND		3.03	1	05/01/2025 21:59	WG2504770
Bromoform	ND		30.3	1	05/01/2025 21:59	WG2504770
Bromomethane	ND		15.2	1	05/01/2025 21:59	WG2504770

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		15.2	1	05/01/2025 21:59	WG2504770
sec-Butylbenzene	ND		15.2	1	05/01/2025 21:59	WG2504770
tert-Butylbenzene	ND		6.07	1	05/01/2025 21:59	WG2504770
Carbon tetrachloride	ND		6.07	1	05/01/2025 21:59	WG2504770
Chlorobenzene	ND		3.03	1	05/01/2025 21:59	WG2504770
Chlorodibromomethane	ND		3.03	1	05/01/2025 21:59	WG2504770
Chloroethane	ND		6.07	1	05/01/2025 21:59	WG2504770
Chloroform	ND	J4	3.03	1	05/01/2025 21:59	WG2504770
Chloromethane	ND	C3	15.2	1	05/01/2025 21:59	WG2504770
2-Chlorotoluene	ND		3.03	1	05/01/2025 21:59	WG2504770
4-Chlorotoluene	ND		6.07	1	05/01/2025 21:59	WG2504770
1,2-Dibromo-3-Chloropropane	ND		30.3	1	05/01/2025 21:59	WG2504770
1,2-Dibromoethane	ND		3.03	1	05/01/2025 21:59	WG2504770
Dibromomethane	ND		6.07	1	05/01/2025 21:59	WG2504770
1,2-Dichlorobenzene	ND		6.07	1	05/01/2025 21:59	WG2504770
1,3-Dichlorobenzene	ND		6.07	1	05/01/2025 21:59	WG2504770
1,4-Dichlorobenzene	ND		6.07	1	05/01/2025 21:59	WG2504770
Dichlorodifluoromethane	ND		6.07	1	05/01/2025 21:59	WG2504770
1,1-Dichloroethane	ND		3.03	1	05/01/2025 21:59	WG2504770
1,2-Dichloroethane	ND		3.03	1	05/01/2025 21:59	WG2504770
1,1-Dichloroethene	ND		3.03	1	05/01/2025 21:59	WG2504770
cis-1,2-Dichloroethene	ND		3.03	1	05/01/2025 21:59	WG2504770
trans-1,2-Dichloroethene	ND		6.07	1	05/01/2025 21:59	WG2504770
1,2-Dichloropropane	ND		6.07	1	05/01/2025 21:59	WG2504770
1,1-Dichloropropene	ND		3.03	1	05/01/2025 21:59	WG2504770
1,3-Dichloropropane	ND		6.07	1	05/01/2025 21:59	WG2504770
cis-1,3-Dichloropropene	ND		3.03	1	05/01/2025 21:59	WG2504770
trans-1,3-Dichloropropene	ND		6.07	1	05/01/2025 21:59	WG2504770
2,2-Dichloropropane	ND		3.03	1	05/01/2025 21:59	WG2504770
Di-isopropyl ether	ND		1.21	1	05/01/2025 21:59	WG2504770
Hexachloro-1,3-butadiene	ND		30.3	1	05/01/2025 21:59	WG2504770
Isopropylbenzene	ND		3.03	1	05/01/2025 21:59	WG2504770
p-Isopropyltoluene	ND		6.07	1	05/01/2025 21:59	WG2504770
2-Butanone (MEK)	ND		121	1	05/01/2025 21:59	WG2504770
Methylene Chloride	ND		30.3	1	05/01/2025 21:59	WG2504770
4-Methyl-2-pentanone (MIBK)	ND	C3	30.3	1	05/01/2025 21:59	WG2504770
Methyl tert-butyl ether	ND		1.21	1	05/01/2025 21:59	WG2504770
n-Propylbenzene	ND		6.07	1	05/01/2025 21:59	WG2504770
Styrene	ND		15.2	1	05/01/2025 21:59	WG2504770
1,1,1,2-Tetrachloroethane	ND		3.03	1	05/01/2025 21:59	WG2504770
1,1,2,2-Tetrachloroethane	ND		3.03	1	05/01/2025 21:59	WG2504770
1,1,2-Trichlorotrifluoroethane	ND		3.03	1	05/01/2025 21:59	WG2504770
Tetrachloroethene	ND		3.03	1	05/01/2025 21:59	WG2504770
1,2,3-Trichlorobenzene	ND		15.2	1	05/01/2025 21:59	WG2504770
1,2,4-Trichlorobenzene	ND		15.2	1	05/01/2025 21:59	WG2504770
1,1,1-Trichloroethane	ND		3.03	1	05/01/2025 21:59	WG2504770
1,1,2-Trichloroethane	ND		3.03	1	05/01/2025 21:59	WG2504770
Trichloroethene	ND		1.21	1	05/01/2025 21:59	WG2504770
Trichlorofluoromethane	ND		3.03	1	05/01/2025 21:59	WG2504770
1,2,3-Trichloropropane	ND		15.2	1	05/01/2025 21:59	WG2504770
1,2,3-Trimethylbenzene	ND		6.07	1	05/01/2025 21:59	WG2504770
Vinyl chloride	ND		3.03	1	05/01/2025 21:59	WG2504770
(S) Toluene-d8	*103*		*75.0-131*		*05/01/2025 21:59*	WG2504770
(S) 4-Bromofluorobenzene	*101*		*67.0-138*		*05/01/2025 21:59*	WG2504770
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*05/01/2025 21:59*	WG2504770

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		73.7	2	05/01/2025 21:41	WG2504840
Benzidine	ND	C7	3700	2	05/01/2025 21:41	WG2504840
Benzo(g,h,i)perylene	ND		73.7	2	05/01/2025 21:41	WG2504840
Bis(2-chlorethoxy)methane	ND		737	2	05/01/2025 21:41	WG2504840
Bis(2-chloroethyl)ether	ND		737	2	05/01/2025 21:41	WG2504840
2,2-Oxybis(1-Chloropropane)	ND		737	2	05/01/2025 21:41	WG2504840
4-Bromophenyl-phenylether	ND		737	2	05/01/2025 21:41	WG2504840
2-Chloronaphthalene	ND		73.7	2	05/01/2025 21:41	WG2504840
4-Chlorophenyl-phenylether	ND		737	2	05/01/2025 21:41	WG2504840
1,2-Dichlorobenzene	ND		737	2	05/01/2025 21:41	WG2504840
1,3-Dichlorobenzene	ND		737	2	05/01/2025 21:41	WG2504840
1,4-Dichlorobenzene	ND		737	2	05/01/2025 21:41	WG2504840
3,3-Dichlorobenzidine	ND		737	2	05/01/2025 21:41	WG2504840
2,4-Dinitrotoluene	ND		737	2	05/01/2025 21:41	WG2504840
2,6-Dinitrotoluene	ND		737	2	05/01/2025 21:41	WG2504840
Hexachlorobenzene	ND		737	2	05/01/2025 21:41	WG2504840
Hexachloro-1,3-butadiene	ND		737	2	05/01/2025 21:41	WG2504840
Hexachlorocyclopentadiene	ND	C3	737	2	05/01/2025 21:41	WG2504840
Hexachloroethane	ND		737	2	05/01/2025 21:41	WG2504840
Isophorone	ND		737	2	05/01/2025 21:41	WG2504840
Nitrobenzene	ND		737	2	05/01/2025 21:41	WG2504840
n-Nitrosodimethylamine	ND		737	2	05/01/2025 21:41	WG2504840
n-Nitrosodiphenylamine	ND		737	2	05/01/2025 21:41	WG2504840
n-Nitrosodi-n-propylamine	ND		737	2	05/01/2025 21:41	WG2504840
Phenanthrene	ND		73.7	2	05/01/2025 21:41	WG2504840
Benzylbutyl phthalate	ND		737	2	05/01/2025 21:41	WG2504840
Bis(2-ethylhexyl)phthalate	ND		737	2	05/01/2025 21:41	WG2504840
Di-n-butyl phthalate	ND		737	2	05/01/2025 21:41	WG2504840
Diethyl phthalate	ND		737	2	05/01/2025 21:41	WG2504840
Dimethyl phthalate	ND		737	2	05/01/2025 21:41	WG2504840
Di-n-octyl phthalate	ND		737	2	05/01/2025 21:41	WG2504840
1,2,4-Trichlorobenzene	ND		737	2	05/01/2025 21:41	WG2504840
4-Chloro-3-methylphenol	ND		737	2	05/01/2025 21:41	WG2504840
2-Chlorophenol	ND		737	2	05/01/2025 21:41	WG2504840
2,4-Dichlorophenol	ND		737	2	05/01/2025 21:41	WG2504840
2,4-Dimethylphenol	ND	C3	737	2	05/01/2025 21:41	WG2504840
4,6-Dinitro-2-methylphenol	ND		737	2	05/01/2025 21:41	WG2504840
2,4-Dinitrophenol	ND		737	2	05/01/2025 21:41	WG2504840
2-Nitrophenol	ND		737	2	05/01/2025 21:41	WG2504840
4-Nitrophenol	ND		737	2	05/01/2025 21:41	WG2504840
Pentachlorophenol	ND		737	2	05/01/2025 21:41	WG2504840
Phenol	ND		737	2	05/01/2025 21:41	WG2504840
2,4,6-Trichlorophenol	ND		737	2	05/01/2025 21:41	WG2504840
(S) 2-Fluorophenol	*67.5*		*12.0-120*		*05/01/2025 21:41*	WG2504840
(S) Phenol-d5	*56.2*		*10.0-120*		*05/01/2025 21:41*	WG2504840
(S) Nitrobenzene-d5	*44.0*		*10.0-122*		*05/01/2025 21:41*	WG2504840
(S) 2-Fluorobiphenyl	*56.6*		*15.0-120*		*05/01/2025 21:41*	WG2504840
(S) 2,4,6-Tribromophenol	*62.0*		*10.0-127*		*05/01/2025 21:41*	WG2504840
(S) p-Terphenyl-d14	*64.5*		*10.0-120*		*05/01/2025 21:41*	WG2504840

Sample Narrative:

L1853811-04 WG2504840: Dilution due to matrix impact during extract concentration procedure.

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1190000		22900	1	05/02/2025 16:07	WG2504823

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.1		1	05/01/2025 15:09	WG2504637

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11100	1	05/02/2025 01:50	WG2504848

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	1150000		222000	10	05/02/2025 16:07	WG2504845

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	38900		22900	1.03	05/01/2025 22:14	WG2504823

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	17800000		500000	5	05/02/2025 17:39	WG2504836

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	2850000		22200	1	05/01/2025 23:33	WG2504889
Antimony	ND		2220	1	05/01/2025 23:33	WG2504889
Beryllium	387		222	1	05/01/2025 23:33	WG2504889
Calcium	9380000		111000	1	05/01/2025 23:33	WG2504889
Cobalt	2870		1110	1	05/01/2025 23:33	WG2504889
Iron	6690000		11100	1	05/01/2025 23:33	WG2504889
Magnesium	1740000		111000	1	05/01/2025 23:33	WG2504889
Manganese	222000		1110	1	05/01/2025 23:33	WG2504889
Potassium	1390000		111000	1	05/01/2025 23:33	WG2504889
Sodium	185000		111000	1	05/01/2025 23:33	WG2504889
Thallium	ND		2220	1	05/01/2025 23:33	WG2504889
Vanadium	12600		2220	1	05/01/2025 23:33	WG2504889

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		60.9	1	05/01/2025 22:20	WG2504770
Acrylonitrile	ND	C3	15.2	1	05/01/2025 22:20	WG2504770
Bromobenzene	ND		15.2	1	05/01/2025 22:20	WG2504770
Bromodichloromethane	ND		3.05	1	05/01/2025 22:20	WG2504770
Bromoform	ND		30.5	1	05/01/2025 22:20	WG2504770
Bromomethane	ND		15.2	1	05/01/2025 22:20	WG2504770

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		15.2	1	05/01/2025 22:20	WG2504770
sec-Butylbenzene	ND		15.2	1	05/01/2025 22:20	WG2504770
tert-Butylbenzene	ND		6.09	1	05/01/2025 22:20	WG2504770
Carbon tetrachloride	ND		6.09	1	05/01/2025 22:20	WG2504770
Chlorobenzene	ND		3.05	1	05/01/2025 22:20	WG2504770
Chlorodibromomethane	ND		3.05	1	05/01/2025 22:20	WG2504770
Chloroethane	ND		6.09	1	05/01/2025 22:20	WG2504770
Chloroform	ND	J4	3.05	1	05/01/2025 22:20	WG2504770
Chloromethane	ND	C3	15.2	1	05/01/2025 22:20	WG2504770
2-Chlorotoluene	ND		3.05	1	05/01/2025 22:20	WG2504770
4-Chlorotoluene	ND		6.09	1	05/01/2025 22:20	WG2504770
1,2-Dibromo-3-Chloropropane	ND		30.5	1	05/01/2025 22:20	WG2504770
1,2-Dibromoethane	ND		3.05	1	05/01/2025 22:20	WG2504770
Dibromomethane	ND		6.09	1	05/01/2025 22:20	WG2504770
1,2-Dichlorobenzene	ND		6.09	1	05/01/2025 22:20	WG2504770
1,3-Dichlorobenzene	ND		6.09	1	05/01/2025 22:20	WG2504770
1,4-Dichlorobenzene	ND		6.09	1	05/01/2025 22:20	WG2504770
Dichlorodifluoromethane	ND		6.09	1	05/01/2025 22:20	WG2504770
1,1-Dichloroethane	ND		3.05	1	05/01/2025 22:20	WG2504770
1,2-Dichloroethane	ND		3.05	1	05/01/2025 22:20	WG2504770
1,1-Dichloroethene	ND		3.05	1	05/01/2025 22:20	WG2504770
cis-1,2-Dichloroethene	ND		3.05	1	05/01/2025 22:20	WG2504770
trans-1,2-Dichloroethene	ND		6.09	1	05/01/2025 22:20	WG2504770
1,2-Dichloropropane	ND		6.09	1	05/01/2025 22:20	WG2504770
1,1-Dichloropropene	ND		3.05	1	05/01/2025 22:20	WG2504770
1,3-Dichloropropane	ND		6.09	1	05/01/2025 22:20	WG2504770
cis-1,3-Dichloropropene	ND		3.05	1	05/01/2025 22:20	WG2504770
trans-1,3-Dichloropropene	ND		6.09	1	05/01/2025 22:20	WG2504770
2,2-Dichloropropane	ND		3.05	1	05/01/2025 22:20	WG2504770
Di-isopropyl ether	ND		1.22	1	05/01/2025 22:20	WG2504770
Hexachloro-1,3-butadiene	ND		30.5	1	05/01/2025 22:20	WG2504770
Isopropylbenzene	ND		3.05	1	05/01/2025 22:20	WG2504770
p-Isopropyltoluene	ND		6.09	1	05/01/2025 22:20	WG2504770
2-Butanone (MEK)	ND		122	1	05/01/2025 22:20	WG2504770
Methylene Chloride	ND		30.5	1	05/01/2025 22:20	WG2504770
4-Methyl-2-pentanone (MIBK)	ND	C3	30.5	1	05/01/2025 22:20	WG2504770
Methyl tert-butyl ether	ND		1.22	1	05/01/2025 22:20	WG2504770
n-Propylbenzene	ND		6.09	1	05/01/2025 22:20	WG2504770
Styrene	ND		15.2	1	05/01/2025 22:20	WG2504770
1,1,1,2-Tetrachloroethane	ND		3.05	1	05/01/2025 22:20	WG2504770
1,1,2,2-Tetrachloroethane	ND		3.05	1	05/01/2025 22:20	WG2504770
1,1,2-Trichlorotrifluoroethane	ND		3.05	1	05/01/2025 22:20	WG2504770
Tetrachloroethene	ND		3.05	1	05/01/2025 22:20	WG2504770
1,2,3-Trichlorobenzene	ND		15.2	1	05/01/2025 22:20	WG2504770
1,2,4-Trichlorobenzene	ND		15.2	1	05/01/2025 22:20	WG2504770
1,1,1-Trichloroethane	ND		3.05	1	05/01/2025 22:20	WG2504770
1,1,2-Trichloroethane	ND		3.05	1	05/01/2025 22:20	WG2504770
Trichloroethene	ND		1.22	1	05/01/2025 22:20	WG2504770
Trichlorofluoromethane	ND		3.05	1	05/01/2025 22:20	WG2504770
1,2,3-Trichloropropane	ND		15.2	1	05/01/2025 22:20	WG2504770
1,2,3-Trimethylbenzene	ND		6.09	1	05/01/2025 22:20	WG2504770
Vinyl chloride	ND		3.05	1	05/01/2025 22:20	WG2504770
(S) Toluene-d8	*100*		*75.0-131*		*05/01/2025 22:20*	WG2504770
(S) 4-Bromofluorobenzene	*98.6*		*67.0-138*		*05/01/2025 22:20*	WG2504770
(S) 1,2-Dichloroethane-d4	*117*		*70.0-130*		*05/01/2025 22:20*	WG2504770

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		73.9	2	05/01/2025 20:38	WG2504840
Benzidine	ND	C7 J6	3710	2	05/01/2025 20:38	WG2504840
Benzo(g,h,i)perylene	ND		73.9	2	05/01/2025 20:38	WG2504840
Bis(2-chlorethoxy)methane	ND		739	2	05/01/2025 20:38	WG2504840
Bis(2-chloroethyl)ether	ND		739	2	05/01/2025 20:38	WG2504840
2,2-Oxybis(1-Chloropropane)	ND		739	2	05/01/2025 20:38	WG2504840
4-Bromophenyl-phenylether	ND		739	2	05/01/2025 20:38	WG2504840
2-Chloronaphthalene	ND		73.9	2	05/01/2025 20:38	WG2504840
4-Chlorophenyl-phenylether	ND		739	2	05/01/2025 20:38	WG2504840
1,2-Dichlorobenzene	ND		739	2	05/01/2025 20:38	WG2504840
1,3-Dichlorobenzene	ND		739	2	05/01/2025 20:38	WG2504840
1,4-Dichlorobenzene	ND		739	2	05/01/2025 20:38	WG2504840
3,3-Dichlorobenzidine	ND		739	2	05/01/2025 20:38	WG2504840
2,4-Dinitrotoluene	ND		739	2	05/01/2025 20:38	WG2504840
2,6-Dinitrotoluene	ND		739	2	05/01/2025 20:38	WG2504840
Hexachlorobenzene	ND		739	2	05/01/2025 20:38	WG2504840
Hexachloro-1,3-butadiene	ND		739	2	05/01/2025 20:38	WG2504840
Hexachlorocyclopentadiene	ND	C3 J3 J6	739	2	05/01/2025 20:38	WG2504840
Hexachloroethane	ND		739	2	05/01/2025 20:38	WG2504840
Isophorone	ND		739	2	05/01/2025 20:38	WG2504840
Nitrobenzene	ND		739	2	05/01/2025 20:38	WG2504840
n-Nitrosodimethylamine	ND		739	2	05/01/2025 20:38	WG2504840
n-Nitrosodiphenylamine	ND		739	2	05/01/2025 20:38	WG2504840
n-Nitrosodi-n-propylamine	ND		739	2	05/01/2025 20:38	WG2504840
Phenanthrene	ND		73.9	2	05/01/2025 20:38	WG2504840
Benzylbutyl phthalate	ND		739	2	05/01/2025 20:38	WG2504840
Bis(2-ethylhexyl)phthalate	ND		739	2	05/01/2025 20:38	WG2504840
Di-n-butyl phthalate	ND		739	2	05/01/2025 20:38	WG2504840
Diethyl phthalate	ND		739	2	05/01/2025 20:38	WG2504840
Dimethyl phthalate	ND		739	2	05/01/2025 20:38	WG2504840
Di-n-octyl phthalate	ND		739	2	05/01/2025 20:38	WG2504840
1,2,4-Trichlorobenzene	ND		739	2	05/01/2025 20:38	WG2504840
4-Chloro-3-methylphenol	ND		739	2	05/01/2025 20:38	WG2504840
2-Chlorophenol	ND		739	2	05/01/2025 20:38	WG2504840
2,4-Dichlorophenol	ND		739	2	05/01/2025 20:38	WG2504840
2,4-Dimethylphenol	ND	C3	739	2	05/01/2025 20:38	WG2504840
4,6-Dinitro-2-methylphenol	ND		739	2	05/01/2025 20:38	WG2504840
2,4-Dinitrophenol	ND		739	2	05/01/2025 20:38	WG2504840
2-Nitrophenol	ND		739	2	05/01/2025 20:38	WG2504840
4-Nitrophenol	ND		739	2	05/01/2025 20:38	WG2504840
Pentachlorophenol	ND		739	2	05/01/2025 20:38	WG2504840
Phenol	ND		739	2	05/01/2025 20:38	WG2504840
2,4,6-Trichlorophenol	ND		739	2	05/01/2025 20:38	WG2504840
(S) 2-Fluorophenol	*66.0*		*12.0-120*		*05/01/2025 20:38*	WG2504840
(S) Phenol-d5	*56.5*		*10.0-120*		*05/01/2025 20:38*	WG2504840
(S) Nitrobenzene-d5	*44.6*		*10.0-122*		*05/01/2025 20:38*	WG2504840
(S) 2-Fluorobiphenyl	*53.3*		*15.0-120*		*05/01/2025 20:38*	WG2504840
(S) 2,4,6-Tribromophenol	*62.2*		*10.0-127*		*05/01/2025 20:38*	WG2504840
(S) p-Terphenyl-d14	*59.0*		*10.0-120*		*05/01/2025 20:38*	WG2504840

Sample Narrative:

L1853811-05 WG2504840: 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		50.0	1	05/01/2025 20:39	WG2504926
Acrolein	ND	J4	50.0	1	05/01/2025 20:39	WG2504926
Acrylonitrile	ND	C3	10.0	1	05/01/2025 20:39	WG2504926
Benzene	ND		1.00	1	05/01/2025 20:39	WG2504926
Bromobenzene	ND		1.00	1	05/01/2025 20:39	WG2504926
Bromodichloromethane	ND		1.00	1	05/01/2025 20:39	WG2504926
Bromoform	ND		1.00	1	05/01/2025 20:39	WG2504926
Bromomethane	ND		5.00	1	05/01/2025 20:39	WG2504926
n-Butylbenzene	ND		1.00	1	05/01/2025 20:39	WG2504926
sec-Butylbenzene	ND		1.00	1	05/01/2025 20:39	WG2504926
tert-Butylbenzene	ND		1.00	1	05/01/2025 20:39	WG2504926
Carbon tetrachloride	ND		1.00	1	05/01/2025 20:39	WG2504926
Chlorobenzene	ND		1.00	1	05/01/2025 20:39	WG2504926
Chlorodibromomethane	ND		1.00	1	05/01/2025 20:39	WG2504926
Chloroethane	ND		5.00	1	05/01/2025 20:39	WG2504926
Chloroform	ND		5.00	1	05/01/2025 20:39	WG2504926
Chloromethane	ND		2.50	1	05/01/2025 20:39	WG2504926
2-Chlorotoluene	ND		1.00	1	05/01/2025 20:39	WG2504926
4-Chlorotoluene	ND		1.00	1	05/01/2025 20:39	WG2504926
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/01/2025 20:39	WG2504926
1,2-Dibromoethane	ND		1.00	1	05/01/2025 20:39	WG2504926
Dibromomethane	ND		1.00	1	05/01/2025 20:39	WG2504926
1,2-Dichlorobenzene	ND		1.00	1	05/01/2025 20:39	WG2504926
1,3-Dichlorobenzene	ND		1.00	1	05/01/2025 20:39	WG2504926
1,4-Dichlorobenzene	ND		1.00	1	05/01/2025 20:39	WG2504926
Dichlorodifluoromethane	ND		5.00	1	05/01/2025 20:39	WG2504926
1,1-Dichloroethane	ND		1.00	1	05/01/2025 20:39	WG2504926
1,2-Dichloroethane	ND		1.00	1	05/01/2025 20:39	WG2504926
1,1-Dichloroethene	ND		1.00	1	05/01/2025 20:39	WG2504926
cis-1,2-Dichloroethene	ND		1.00	1	05/01/2025 20:39	WG2504926
trans-1,2-Dichloroethene	ND		1.00	1	05/01/2025 20:39	WG2504926
1,2-Dichloropropane	ND	J4	1.00	1	05/01/2025 20:39	WG2504926
1,1-Dichloropropene	ND		1.00	1	05/01/2025 20:39	WG2504926
1,3-Dichloropropane	ND		1.00	1	05/01/2025 20:39	WG2504926
cis-1,3-Dichloropropene	ND		1.00	1	05/01/2025 20:39	WG2504926
trans-1,3-Dichloropropene	ND		1.00	1	05/01/2025 20:39	WG2504926
2,2-Dichloropropane	ND		1.00	1	05/01/2025 20:39	WG2504926
Di-isopropyl ether	ND	C3	1.00	1	05/01/2025 20:39	WG2504926
Ethylbenzene	ND		1.00	1	05/01/2025 20:39	WG2504926
Hexachloro-1,3-butadiene	ND		1.00	1	05/01/2025 20:39	WG2504926
Isopropylbenzene	ND		1.00	1	05/01/2025 20:39	WG2504926
p-Isopropyltoluene	ND		1.00	1	05/01/2025 20:39	WG2504926
2-Butanone (MEK)	ND	C3	10.0	1	05/01/2025 20:39	WG2504926
Methylene Chloride	ND		5.00	1	05/01/2025 20:39	WG2504926
4-Methyl-2-pentanone (MIBK)	ND	C3	10.0	1	05/01/2025 20:39	WG2504926
Methyl tert-butyl ether	ND		1.00	1	05/01/2025 20:39	WG2504926
Naphthalene	ND		5.00	1	05/01/2025 20:39	WG2504926
n-Propylbenzene	ND		1.00	1	05/01/2025 20:39	WG2504926
Styrene	ND		1.00	1	05/01/2025 20:39	WG2504926
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/01/2025 20:39	WG2504926
1,1,2,2-Tetrachloroethane	ND	C3	1.00	1	05/01/2025 20:39	WG2504926
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/01/2025 20:39	WG2504926
Tetrachloroethene	ND		1.00	1	05/01/2025 20:39	WG2504926
Toluene	ND		1.00	1	05/01/2025 20:39	WG2504926
1,2,3-Trichlorobenzene	ND		1.00	1	05/01/2025 20:39	WG2504926
1,2,4-Trichlorobenzene	ND		1.00	1	05/01/2025 20:39	WG2504926

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	05/01/2025 20:39	WG2504926
1,1,2-Trichloroethane	ND		1.00	1	05/01/2025 20:39	WG2504926
Trichloroethene	ND		1.00	1	05/01/2025 20:39	WG2504926
Trichlorofluoromethane	ND		5.00	1	05/01/2025 20:39	WG2504926
1,2,3-Trichloropropane	ND		2.50	1	05/01/2025 20:39	WG2504926
1,2,4-Trimethylbenzene	ND		1.00	1	05/01/2025 20:39	WG2504926
1,2,3-Trimethylbenzene	ND		1.00	1	05/01/2025 20:39	WG2504926
1,3,5-Trimethylbenzene	ND		1.00	1	05/01/2025 20:39	WG2504926
Vinyl chloride	ND		1.00	1	05/01/2025 20:39	WG2504926
Xylenes, Total	ND		3.00	1	05/01/2025 20:39	WG2504926
(S) Toluene-d8	*104*		*80.0-120*		*05/01/2025 20:39*	WG2504926
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*05/01/2025 20:39*	WG2504926
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*		*05/01/2025 20:39*	WG2504926

Method Blank (MB)

(MB) R4208639-1 05/01/25 15:09

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

L1853800-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1853800-01 05/01/25 15:09 • (DUP) R4208639-3 05/01/25 15:09

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.6	91.7	1	0.0516		10

Laboratory Control Sample (LCS)

(LCS) R4208639-2 05/01/25 15:09

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

Method Blank (MB)

(MB) R4208628-1 05/02/25 01:25

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

L1853802-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1853802-01 05/02/25 01:35 • (DUP) R4208628-5 05/02/25 01:37

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) R4208628-2 05/02/25 01:26

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	250000	257000	103	90.0-110	

L1853786-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853786-01 05/02/25 01:31 • (MS) R4208628-3 05/02/25 01:32 • (MSD) R4208628-4 05/02/25 01:34

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	291000	ND	302000	298000	104	102	1	90.0-110			1.23	20

Method Blank (MB)

(MB) R4209036-1 05/02/25 15:47

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

L1853802-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1853802-01 05/02/25 15:56 • (DUP) R4209036-5 05/02/25 15:57

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	1780000	1640000	10	8.08		20

Laboratory Control Sample (LCS)

(LCS) R4209036-2 05/02/25 15:48

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	480000	484000	101	81.7-124	

L1853786-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853786-01 05/02/25 15:52 • (MS) R4209036-3 05/02/25 15:53 • (MSD) R4209036-4 05/02/25 15:54

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	466000	2080000	2440000	2420000	78.0	74.7	10	81.7-124	V	V	0.626	20

Method Blank (MB)

(MB) R4208629-1 05/01/25 20:08

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) R4208629-2 05/01/25 20:21

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40000	41200	103	80.0-120	

L1853791-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853791-01 05/01/25 20:33 • (MS) R4208629-3 05/01/25 22:39 • (MSD) R4208629-4 05/01/25 22:52

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	41000	ND	51400	47900	106	97.6	1	80.0-120			7.09	15

Method Blank (MB)

(MB) R4209114-1 05/02/25 17:22

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

L1853784-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1853784-02 05/02/25 17:26 • (DUP) R4209114-5 05/02/25 17:27

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	5240000	5680000	5	7.97		20

L1853792-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1853792-04 05/02/25 17:34 • (DUP) R4209114-8 05/02/25 17:35

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	26900000	25100000	5	6.95		20

Laboratory Control Sample (LCS)

(LCS) R4209114-2 05/02/25 17:22

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC By Walkley Black	3230000	4260000	132	75.0-144	

L1853779-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853779-03 05/02/25 17:23 • (MS) R4209114-3 05/02/25 17:24 • (MSD) R4209114-4 05/02/25 17:24

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	32000000	29900000	62000000	68800000	100	108	8	80.0-120			10.4	20

L1853786-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853786-01 05/02/25 17:31 • (MS) R4209114-6 05/02/25 17:31 • (MSD) R4209114-7 05/02/25 17:32

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	40000000	35600000	73100000	64900000	93.6	81.3	10	80.0-120			11.9	20

Method Blank (MB)

(MB) R4208624-1 05/01/25 23:02

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) R4208624-2 05/01/25 23:04

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000000	939000	93.9	80.0-120	
Antimony	100000	95400	95.4	80.0-120	
Beryllium	100000	104000	104	80.0-120	
Calcium	1000000	992000	99.2	80.0-120	
Cobalt	100000	95200	95.2	80.0-120	
Iron	1000000	996000	99.6	80.0-120	
Magnesium	1000000	993000	99.3	80.0-120	
Manganese	100000	103000	103	80.0-120	
Potassium	1000000	999000	99.9	80.0-120	
Sodium	1000000	1010000	101	80.0-120	
Thallium	100000	101000	101	80.0-120	
Vanadium	100000	100000	100	80.0-120	

L1853789-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853789-01 05/01/25 23:06 • (MS) R4208624-5 05/01/25 23:12 • (MSD) R4208624-6 05/01/25 23:14

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	1160000	3510000	6850000	5280000	289	153	1	75.0-125	J5	J3 J5	25.9	20
Antimony	116000	ND	81000	88800	69.9	76.6	1	75.0-125	J6		9.14	20

L1853789-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853789-01 05/01/25 23:06 • (MS) R4208624-5 05/01/25 23:12 • (MSD) R4208624-6 05/01/25 23:14

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	116000	466	113000	109000	96.7	94.0	1	75.0-125			2.88	20
Calcium	1160000	14600000	32900000	20100000	1580	479	1	75.0-125	V	J3 V	48.3	20
Cobalt	116000	4410	112000	107000	92.4	89.0	1	75.0-125			3.70	20
Iron	1160000	6690000	8770000	8410000	180	149	1	75.0-125	V	V	4.26	20
Magnesium	1160000	2210000	4200000	3970000	172	152	1	75.0-125	J5	J5	5.60	20
Manganese	116000	233000	294000	290000	52.7	49.4	1	75.0-125	J6	J6	1.30	20
Potassium	1160000	1250000	2860000	2310000	139	91.6	1	75.0-125	J5	J3	21.2	20
Sodium	1160000	143000	1280000	1220000	97.9	93.2	1	75.0-125			4.34	20
Thallium	116000	ND	109000	106000	94.4	91.2	1	75.0-125			3.44	20
Vanadium	116000	12200	121000	117000	94.2	90.1	1	75.0-125			4.04	20

Method Blank (MB)

(MB) R4208662-2 05/01/25 17:02

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) R4208662-2 05/01/25 17:02

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Methylene Chloride	U		6.64	25.0
4-Methyl-2-pentanone (MIBK)	U		2.28	25.0
Methyl tert-butyl ether	U		0.350	1.00
n-Propylbenzene	U		0.950	5.00
Styrene	U		0.229	12.5
1,1,1,2-Tetrachloroethane	U		0.948	2.50
1,1,2,2-Tetrachloroethane	U		0.695	2.50
1,1,2-Trichlorotrifluoroethane	U		0.754	2.50
Tetrachloroethene	U		0.896	2.50
1,2,3-Trichlorobenzene	U		7.33	12.5
1,2,4-Trichlorobenzene	U		4.40	12.5
1,1,1-Trichloroethane	U		0.923	2.50
1,1,2-Trichloroethane	U		0.597	2.50
Trichloroethene	U		0.584	1.00
Trichlorofluoromethane	U		0.827	2.50
1,2,3-Trichloropropane	U		1.62	12.5
1,2,3-Trimethylbenzene	U		1.58	5.00
Vinyl chloride	U		1.16	2.50
(S) Toluene-d8	*98.4*			*75.0-131*
(S) 4-Bromofluorobenzene	*92.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4208662-1 05/01/25 15:38

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	625	563	90.1	10.0-160	
Acrylonitrile	625	435	69.6	45.0-153	
Bromobenzene	125	145	116	73.0-121	
Bromodichloromethane	125	142	114	73.0-121	
Bromoform	125	116	92.8	64.0-132	
Bromomethane	125	126	101	56.0-147	
n-Butylbenzene	125	152	122	68.0-135	
sec-Butylbenzene	125	142	114	74.0-130	
tert-Butylbenzene	125	138	110	75.0-127	
Carbon tetrachloride	125	140	112	66.0-128	
Chlorobenzene	125	119	95.2	76.0-128	
Chlorodibromomethane	125	117	93.6	74.0-127	

Laboratory Control Sample (LCS)

(LCS) R4208662-1 05/01/25 15:38

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloroethane	125	120	96.0	61.0-134	
Chloroform	125	156	125	72.0-123	J4
Chloromethane	125	81.6	65.3	51.0-138	
2-Chlorotoluene	125	121	96.8	75.0-124	
4-Chlorotoluene	125	153	122	75.0-124	
1,2-Dibromo-3-Chloropropane	125	101	80.8	59.0-130	
1,2-Dibromoethane	125	117	93.6	74.0-128	
Dibromomethane	125	134	107	75.0-122	
1,2-Dichlorobenzene	125	137	110	76.0-124	
1,3-Dichlorobenzene	125	141	113	76.0-125	
1,4-Dichlorobenzene	125	131	105	77.0-121	
Dichlorodifluoromethane	125	158	126	43.0-156	
1,1-Dichloroethane	125	122	97.6	70.0-127	
1,2-Dichloroethane	125	140	112	65.0-131	
1,1-Dichloroethene	125	125	100	65.0-131	
cis-1,2-Dichloroethene	125	121	96.8	73.0-125	
trans-1,2-Dichloroethene	125	120	96.0	71.0-125	
1,2-Dichloropropane	125	117	93.6	74.0-125	
1,1-Dichloropropene	125	138	110	73.0-125	
1,3-Dichloropropane	125	128	102	80.0-125	
cis-1,3-Dichloropropene	125	144	115	76.0-127	
trans-1,3-Dichloropropene	125	146	117	73.0-127	
2,2-Dichloropropane	125	161	129	59.0-135	
Di-isopropyl ether	125	100	80.0	60.0-136	
Hexachloro-1,3-butadiene	125	161	129	57.0-150	
Isopropylbenzene	125	125	100	72.0-127	
p-Isopropyltoluene	125	145	116	72.0-133	
2-Butanone (MEK)	625	549	87.8	30.0-160	
Methylene Chloride	125	131	105	68.0-123	
4-Methyl-2-pentanone (MIBK)	625	484	77.4	56.0-143	
Methyl tert-butyl ether	125	146	117	66.0-132	
n-Propylbenzene	125	147	118	74.0-126	
Styrene	125	123	98.4	72.0-127	
1,1,1,2-Tetrachloroethane	125	121	96.8	74.0-129	
1,1,2,2-Tetrachloroethane	125	108	86.4	68.0-128	
1,1,2-Trichlorotrifluoroethane	125	142	114	61.0-139	
Tetrachloroethene	125	122	97.6	70.0-136	
1,2,3-Trichlorobenzene	125	116	92.8	59.0-139	
1,2,4-Trichlorobenzene	125	128	102	62.0-137	
1,1,1-Trichloroethane	125	137	110	69.0-126	

Laboratory Control Sample (LCS)

(LCS) R4208662-1 05/01/25 15:38

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,2-Trichloroethane	125	121	96.8	78.0-123	
Trichloroethene	125	121	96.8	76.0-126	
Trichlorofluoromethane	125	143	114	61.0-142	
1,2,3-Trichloropropane	125	135	108	67.0-129	
1,2,3-Trimethylbenzene	125	147	118	74.0-124	
Vinyl chloride	125	108	86.4	63.0-134	
(S) Toluene-d8			*94.3*	*75.0-131*	
(S) 4-Bromofluorobenzene			*94.9*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*121*	*70.0-130*	

Method Blank (MB)

(MB) R4208673-3 05/01/25 20:08

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) R4208673-3 05/01/25 20:08

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	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*

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

(LCS) R4208673-1 05/01/25 19:03 • (LCSD) R4208673-2 05/01/25 19:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	23.6	23.8	94.4	95.2	19.0-160			0.844	27
Acrolein	25.0	56.7	65.8	227	263	10.0-160	J4	J4	14.9	26
Acrylonitrile	25.0	17.4	18.1	69.6	72.4	55.0-149			3.94	20
Benzene	5.00	4.23	4.31	84.6	86.2	70.0-123			1.87	20

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

(LCS) R4208673-1 05/01/25 19:03 • (LCSD) R4208673-2 05/01/25 19:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	5.00	4.90	4.84	98.0	96.8	73.0-121			1.23	20
Bromodichloromethane	5.00	4.65	4.80	93.0	96.0	75.0-120			3.17	20
Bromoform	5.00	5.33	5.05	107	101	68.0-132			5.39	20
Bromomethane	5.00	4.85	4.80	97.0	96.0	10.0-160			1.04	25
n-Butylbenzene	5.00	4.85	5.15	97.0	103	73.0-125			6.00	20
sec-Butylbenzene	5.00	4.72	4.81	94.4	96.2	75.0-125			1.89	20
tert-Butylbenzene	5.00	5.25	5.09	105	102	76.0-124			3.09	20
Carbon tetrachloride	5.00	5.35	5.79	107	116	68.0-126			7.90	20
Chlorobenzene	5.00	4.62	4.44	92.4	88.8	80.0-121			3.97	20
Chlorodibromomethane	5.00	4.71	4.74	94.2	94.8	77.0-125			0.635	20
Chloroethane	5.00	4.34	4.16	86.8	83.2	47.0-150			4.24	20
Chloroform	5.00	4.81	5.08	96.2	102	73.0-120			5.46	20
Chloromethane	5.00	4.26	4.15	85.2	83.0	41.0-142			2.62	20
2-Chlorotoluene	5.00	4.67	4.87	93.4	97.4	76.0-123			4.19	20
4-Chlorotoluene	5.00	4.77	4.81	95.4	96.2	75.0-122			0.835	20
1,2-Dibromo-3-Chloropropane	5.00	5.09	5.23	102	105	58.0-134			2.71	20
1,2-Dibromoethane	5.00	4.21	4.34	84.2	86.8	80.0-122			3.04	20
Dibromomethane	5.00	5.17	5.41	103	108	80.0-120			4.54	20
1,2-Dichlorobenzene	5.00	4.84	4.99	96.8	99.8	79.0-121			3.05	20
1,3-Dichlorobenzene	5.00	4.52	4.61	90.4	92.2	79.0-120			1.97	20
1,4-Dichlorobenzene	5.00	4.63	4.62	92.6	92.4	79.0-120			0.216	20
Dichlorodifluoromethane	5.00	6.97	7.03	139	141	51.0-149			0.857	20
1,1-Dichloroethane	5.00	4.20	4.23	84.0	84.6	70.0-126			0.712	20
1,2-Dichloroethane	5.00	4.58	4.76	91.6	95.2	70.0-128			3.85	20
1,1-Dichloroethene	5.00	4.77	4.89	95.4	97.8	71.0-124			2.48	20
cis-1,2-Dichloroethene	5.00	4.64	4.34	92.8	86.8	73.0-120			6.68	20
trans-1,2-Dichloroethene	5.00	5.07	4.93	101	98.6	73.0-120			2.80	20
1,2-Dichloropropane	5.00	4.04	3.54	80.8	70.8	77.0-125		J4	13.2	20
1,1-Dichloropropene	5.00	4.79	4.80	95.8	96.0	74.0-126			0.209	20
1,3-Dichloropropane	5.00	4.76	4.65	95.2	93.0	80.0-120			2.34	20
cis-1,3-Dichloropropene	5.00	4.56	4.59	91.2	91.8	80.0-123			0.656	20
trans-1,3-Dichloropropene	5.00	4.71	5.04	94.2	101	78.0-124			6.77	20
2,2-Dichloropropane	5.00	5.39	6.25	108	125	58.0-130			14.8	20
Di-isopropyl ether	5.00	3.55	3.42	71.0	68.4	58.0-138			3.73	20
Ethylbenzene	5.00	4.94	4.93	98.8	98.6	79.0-123			0.203	20
Hexachloro-1,3-butadiene	5.00	6.82	6.52	136	130	54.0-138			4.50	20
Isopropylbenzene	5.00	5.47	5.31	109	106	76.0-127			2.97	20
p-Isopropyltoluene	5.00	4.92	4.95	98.4	99.0	76.0-125			0.608	20
2-Butanone (MEK)	25.0	15.1	15.1	60.4	60.4	44.0-160			0.000	20
Methylene Chloride	5.00	4.68	4.78	93.6	95.6	67.0-120			2.11	20

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

(LCS) R4208673-1 05/01/25 19:03 • (LCSD) R4208673-2 05/01/25 19:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	25.0	18.8	18.8	75.2	75.2	68.0-142			0.000	20
Methyl tert-butyl ether	5.00	5.76	5.46	115	109	68.0-125			5.35	20
Naphthalene	5.00	6.04	5.80	121	116	54.0-135			4.05	20
n-Propylbenzene	5.00	4.88	4.80	97.6	96.0	77.0-124			1.65	20
Styrene	5.00	5.08	5.14	102	103	73.0-130			1.17	20
1,1,1,2-Tetrachloroethane	5.00	4.71	4.56	94.2	91.2	75.0-125			3.24	20
1,1,2,2-Tetrachloroethane	5.00	3.76	4.03	75.2	80.6	65.0-130			6.93	20
1,1,2-Trichlorotrifluoroethane	5.00	5.29	5.92	106	118	69.0-132			11.2	20
Tetrachloroethene	5.00	5.25	5.42	105	108	72.0-132			3.19	20
Toluene	5.00	4.59	4.69	91.8	93.8	79.0-120			2.16	20
1,2,3-Trichlorobenzene	5.00	5.31	5.02	106	100	50.0-138			5.61	20
1,2,4-Trichlorobenzene	5.00	5.02	5.33	100	107	57.0-137			5.99	20
1,1,1-Trichloroethane	5.00	5.68	5.94	114	119	73.0-124			4.48	20
1,1,2-Trichloroethane	5.00	4.48	4.18	89.6	83.6	80.0-120			6.93	20
Trichloroethene	5.00	4.80	4.61	96.0	92.2	78.0-124			4.04	20
Trichlorofluoromethane	5.00	6.61	6.74	132	135	59.0-147			1.95	20
1,2,3-Trichloropropane	5.00	5.14	5.51	103	110	73.0-130			6.95	20
1,2,4-Trimethylbenzene	5.00	4.72	5.20	94.4	104	76.0-121			9.68	20
1,2,3-Trimethylbenzene	5.00	5.07	4.96	101	99.2	77.0-120			2.19	20
1,3,5-Trimethylbenzene	5.00	5.25	5.36	105	107	76.0-122			2.07	20
Vinyl chloride	5.00	4.22	4.50	84.4	90.0	67.0-131			6.42	20
Xylenes, Total	15.0	15.0	15.2	100	101	79.0-123			1.32	20
(S) Toluene-d8				*101*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*103*	*103*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*114*	*115*	*70.0-130*				

Method Blank (MB)

(MB) R4208587-2 05/01/25 21:23

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) R4208587-2 05/01/25 21:23

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Pentachlorophenol	U		8.96	333
Phenol	U		13.4	333
2,4,6-Trichlorophenol	U		10.7	333
(S) 2-Fluorophenol	*71.6*			*12.0-120*
(S) Phenol-d5	*60.5*			*10.0-120*
(S) Nitrobenzene-d5	*60.4*			*10.0-122*
(S) 2-Fluorobiphenyl	*72.4*			*15.0-120*
(S) 2,4,6-Tribromophenol	*76.1*			*10.0-127*
(S) p-Terphenyl-d14	*77.8*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4208587-1 05/01/25 21:02

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	666	472	70.9	40.0-120	
Benzidine	1330	450	33.8	10.0-120	
Benzo(g,h,i)perylene	666	422	63.4	43.0-120	
Bis(2-chlorethoxy)methane	666	284	42.6	20.0-120	
Bis(2-chloroethyl)ether	666	311	46.7	16.0-120	
2,2-Oxybis(1-Chloropropane)	666	262	39.3	23.0-120	
4-Bromophenyl-phenylether	666	514	77.2	40.0-120	
2-Chloronaphthalene	666	405	60.8	35.0-120	
4-Chlorophenyl-phenylether	666	451	67.7	40.0-120	
1,2-Dichlorobenzene	666	374	56.2	32.0-120	
1,3-Dichlorobenzene	666	366	55.0	30.0-120	
1,4-Dichlorobenzene	666	377	56.6	31.0-120	
3,3-Dichlorobenzidine	1330	930	69.9	28.0-120	
2,4-Dinitrotoluene	666	470	70.6	45.0-120	
2,6-Dinitrotoluene	666	446	67.0	42.0-120	
Hexachlorobenzene	666	448	67.3	39.0-120	
Hexachloro-1,3-butadiene	666	362	54.4	15.0-120	
Hexachlorocyclopentadiene	666	380	57.1	15.0-120	
Hexachloroethane	666	356	53.5	17.0-120	
Isophorone	666	307	46.1	23.0-120	
Nitrobenzene	666	312	46.8	17.0-120	
n-Nitrosodimethylamine	666	377	56.6	10.0-125	
n-Nitrosodiphenylamine	666	432	64.9	40.0-120	
n-Nitrosodi-n-propylamine	666	337	50.6	26.0-120	

Laboratory Control Sample (LCS)

(LCS) R4208587-1 05/01/25 21:02

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	666	410	61.6	42.0-120	
Benzylbutyl phthalate	666	467	70.1	40.0-120	
Bis(2-ethylhexyl)phthalate	666	472	70.9	41.0-120	
Di-n-butyl phthalate	666	437	65.6	43.0-120	
Diethyl phthalate	666	472	70.9	43.0-120	
Dimethyl phthalate	666	482	72.4	43.0-120	
Di-n-octyl phthalate	666	504	75.7	40.0-120	
1,2,4-Trichlorobenzene	666	361	54.2	17.0-120	
4-Chloro-3-methylphenol	666	381	57.2	28.0-120	
2-Chlorophenol	666	359	53.9	28.0-120	
2,4-Dichlorophenol	666	397	59.6	25.0-120	
2,4-Dimethylphenol	666	344	51.7	15.0-120	
4,6-Dinitro-2-methylphenol	666	404	60.7	16.0-120	
2,4-Dinitrophenol	666	314	47.1	10.0-120	
2-Nitrophenol	666	380	57.1	20.0-120	
4-Nitrophenol	666	430	64.6	27.0-120	
Pentachlorophenol	666	358	53.8	29.0-120	
Phenol	666	359	53.9	28.0-120	
2,4,6-Trichlorophenol	666	447	67.1	37.0-120	
(S) 2-Fluorophenol			*74.5*	*12.0-120*	
(S) Phenol-d5			*60.7*	*10.0-120*	
(S) Nitrobenzene-d5			*45.9*	*10.0-122*	
(S) 2-Fluorobiphenyl			*64.6*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*73.6*	*10.0-127*	
(S) p-Terphenyl-d14			*73.9*	*10.0-120*	

L1853786-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853786-01 05/02/25 01:53 • (MS) R4208587-3 05/02/25 02:14 • (MSD) R4208587-4 05/02/25 02:35

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	748	ND	529	577	70.7	76.9	2	25.0-120			8.64	32
Benzidine	1490	ND	ND	ND	17.7	17.3	2	10.0-120			1.78	40
Benzo(g,h,i)perylene	748	ND	454	451	60.6	60.1	2	10.0-120			0.515	33
Bis(2-chlorethoxy)methane	748	ND	ND	ND	45.5	47.2	2	10.0-120			4.03	34
Bis(2-chloroethyl)ether	748	ND	ND	ND	39.9	43.0	2	10.0-120			7.88	40
2,2-Oxybis(1-Chloropropane)	748	ND	ND	ND	38.3	41.3	2	10.0-120			7.81	40
4-Bromophenyl-phenylether	748	ND	ND	ND	75.4	76.6	2	27.0-120			1.84	30
2-Chloronaphthalene	748	ND	438	474	58.6	63.2	2	20.0-120			7.92	32

L1853786-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853786-01 05/02/25 01:53 • (MS) R4208587-3 05/02/25 02:14 • (MSD) R4208587-4 05/02/25 02:35

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	748	ND	ND	ND	68.7	72.5	2	24.0-120			5.73	29
1,2-Dichlorobenzene	748	ND	ND	ND	52.3	52.5	2	10.0-120			0.593	38
1,3-Dichlorobenzene	748	ND	ND	ND	48.3	51.1	2	10.0-120			5.95	40
1,4-Dichlorobenzene	748	ND	ND	ND	52.8	53.4	2	10.0-120			1.46	39
3,3-Dichlorobenzidine	1490	ND	ND	ND	47.0	44.5	2	10.0-120			4.60	34
2,4-Dinitrotoluene	748	ND	ND	ND	69.9	69.4	2	30.0-120			0.446	31
2,6-Dinitrotoluene	748	ND	ND	ND	72.0	68.2	2	25.0-120			5.11	31
Hexachlorobenzene	748	ND	ND	ND	66.4	68.5	2	27.0-120			3.46	28
Hexachloro-1,3-butadiene	748	ND	ND	ND	57.6	62.1	2	10.0-120			7.79	38
Hexachlorocyclopentadiene	748	ND	ND	ND	5.17	3.74	2	10.0-120	J6	J6	31.8	40
Hexachloroethane	748	ND	ND	ND	29.8	28.7	2	10.0-120			3.19	40
Isophorone	748	ND	ND	ND	49.7	51.1	2	13.0-120			3.09	34
Nitrobenzene	748	ND	ND	ND	47.2	50.9	2	10.0-120			7.92	36
n-Nitrosodimethylamine	748	ND	ND	ND	43.8	48.1	2	10.0-127			9.81	40
n-Nitrosodiphenylamine	748	ND	ND	ND	65.9	66.8	2	17.0-120			1.64	29
n-Nitrosodi-n-propylamine	748	ND	ND	ND	46.4	52.5	2	10.0-120			12.6	37
Phenanthrene	748	ND	464	474	62.0	63.2	2	17.0-120			2.24	31
Benzylbutyl phthalate	748	ND	ND	ND	72.4	69.3	2	23.0-120			4.17	30
Bis(2-ethylhexyl)phthalate	748	ND	ND	ND	70.4	70.7	2	17.0-126			0.662	30
Di-n-butyl phthalate	748	ND	ND	ND	67.4	70.7	2	30.0-120			4.95	29
Diethyl phthalate	748	ND	ND	ND	72.3	76.9	2	26.0-120			6.47	28
Dimethyl phthalate	748	ND	ND	ND	70.7	75.5	2	25.0-120			6.81	29
Di-n-octyl phthalate	748	ND	ND	ND	89.6	88.0	2	21.0-123			1.40	29
1,2,4-Trichlorobenzene	748	ND	ND	ND	58.3	62.1	2	12.0-120			6.72	37
4-Chloro-3-methylphenol	748	ND	ND	ND	63.7	64.6	2	15.0-120			1.70	30
2-Chlorophenol	748	ND	ND	ND	53.6	53.4	2	15.0-120			0.000	37
2,4-Dichlorophenol	748	ND	ND	ND	63.2	65.1	2	20.0-120			3.15	31
2,4-Dimethylphenol	748	ND	ND	ND	54.4	59.5	2	10.0-120			9.29	33
4,6-Dinitro-2-methylphenol	748	ND	ND	ND	26.6	26.1	2	10.0-120			1.77	39
2,4-Dinitrophenol	748	ND	ND	ND	37.1	36.5	2	10.0-121			1.27	40
2-Nitrophenol	748	ND	ND	ND	60.4	60.7	2	12.0-120			0.770	39
4-Nitrophenol	748	ND	ND	ND	63.4	67.9	2	10.0-137			7.11	32
Pentachlorophenol	748	ND	ND	ND	66.2	69.4	2	10.0-160			5.05	31
Phenol	748	ND	ND	ND	51.2	51.6	2	12.0-120			0.908	38
2,4,6-Trichlorophenol	748	ND	ND	ND	68.4	72.0	2	19.0-120			5.54	32
(S) 2-Fluorophenol					*62.4*	*67.0*		*12.0-120*				
(S) Phenol-d5					*55.4*	*57.5*		*10.0-120*				
(S) Nitrobenzene-d5					*48.9*	*47.2*		*10.0-122*				
(S) 2-Fluorobiphenyl					*63.6*	*68.0*		*15.0-120*				

L1853786-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853786-01 05/02/25 01:53 • (MS) R4208587-3 05/02/25 02:14 • (MSD) R4208587-4 05/02/25 02:35

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	%	%		%			%	%
(S) 2,4,6-Tribromophenol					*77.8*	*79.8*		*10.0-127*				
(S) p-Terphenyl-d14					*70.4*	*70.2*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure.

Method Blank (MB)

(MB) R4208613-2 05/01/25 20:17

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Acenaphthylene	U		4.69	33.3
Benzidine	U		62.6	1670
Benzo(g,h,i)perylene	U		6.09	33.3
Bis(2-chlorethoxy)methane	U		10.0	333
Bis(2-chloroethyl)ether	U		11.0	333
2,2-Oxybis(1-Chloropropane)	U		14.4	333
4-Bromophenyl-phenylether	U		11.7	333
2-Chloronaphthalene	U		5.85	33.3
4-Chlorophenyl-phenylether	U		11.6	333
1,2-Dichlorobenzene	U		9.87	333
1,3-Dichlorobenzene	U		10.1	333
1,4-Dichlorobenzene	U		9.91	333
3,3-Dichlorobenzidine	U		12.3	333
2,4-Dinitrotoluene	U		9.55	333
2,6-Dinitrotoluene	U		10.9	333
Hexachlorobenzene	U		11.8	333
Hexachloro-1,3-butadiene	U		11.2	333
Hexachlorocyclopentadiene	U		17.5	333
Hexachloroethane	U		13.1	333
Isophorone	U		10.2	333
Nitrobenzene	U		11.6	333
n-Nitrosodimethylamine	U		49.4	333
n-Nitrosodiphenylamine	U		25.2	333
n-Nitrosodi-n-propylamine	U		11.1	333
Phenanthrene	U		6.61	33.3
Benzylbutyl phthalate	U		10.4	333
Bis(2-ethylhexyl)phthalate	U		42.2	333
Di-n-butyl phthalate	U		11.4	333
Diethyl phthalate	U		11.0	333
Dimethyl phthalate	U		70.6	333
Di-n-octyl phthalate	U		22.5	333
1,2,4-Trichlorobenzene	U		10.4	333
4-Chloro-3-methylphenol	U		10.8	333
2-Chlorophenol	U		11.0	333
2,4-Dichlorophenol	U		9.70	333
2,4-Dimethylphenol	U		8.70	333
4,6-Dinitro-2-methylphenol	U		75.5	333
2,4-Dinitrophenol	U		77.9	333
2-Nitrophenol	U		11.9	333
4-Nitrophenol	U		10.4	333

Method Blank (MB)

(MB) R4208613-2 05/01/25 20:17

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	*72.4*			*12.0-120*
(S) Phenol-d5	*60.7*			*10.0-120*
(S) Nitrobenzene-d5	*47.1*			*10.0-122*
(S) 2-Fluorobiphenyl	*61.3*			*15.0-120*
(S) 2,4,6-Tribromophenol	*61.6*			*10.0-127*
(S) p-Terphenyl-d14	*68.2*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4208613-1 05/01/25 19:56

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	666	498	74.8	40.0-120	
Benzidine	1330	790	59.4	10.0-120	
Benzo(g,h,i)perylene	666	507	76.1	43.0-120	
Bis(2-chlorethoxy)methane	666	333	50.0	20.0-120	
Bis(2-chloroethyl)ether	666	461	69.2	16.0-120	
2,2-Oxybis(1-Chloropropane)	666	476	71.5	23.0-120	
4-Bromophenyl-phenylether	666	531	79.7	40.0-120	
2-Chloronaphthalene	666	463	69.5	35.0-120	
4-Chlorophenyl-phenylether	666	514	77.2	40.0-120	
1,2-Dichlorobenzene	666	418	62.8	32.0-120	
1,3-Dichlorobenzene	666	421	63.2	30.0-120	
1,4-Dichlorobenzene	666	441	66.2	31.0-120	
3,3-Dichlorobenzidine	1330	1180	88.7	28.0-120	
2,4-Dinitrotoluene	666	571	85.7	45.0-120	
2,6-Dinitrotoluene	666	575	86.3	42.0-120	
Hexachlorobenzene	666	465	69.8	39.0-120	
Hexachloro-1,3-butadiene	666	367	55.1	15.0-120	
Hexachlorocyclopentadiene	666	243	36.5	15.0-120	
Hexachloroethane	666	406	61.0	17.0-120	
Isophorone	666	346	52.0	23.0-120	
Nitrobenzene	666	321	48.2	17.0-120	
n-Nitrosodimethylamine	666	589	88.4	10.0-125	
n-Nitrosodiphenylamine	666	495	74.3	40.0-120	
n-Nitrosodi-n-propylamine	666	398	59.8	26.0-120	

Laboratory Control Sample (LCS)

(LCS) R4208613-1 05/01/25 19:56

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	666	499	74.9	42.0-120	
Benzylbutyl phthalate	666	622	93.4	40.0-120	
Bis(2-ethylhexyl)phthalate	666	559	83.9	41.0-120	
Di-n-butyl phthalate	666	523	78.5	43.0-120	
Diethyl phthalate	666	543	81.5	43.0-120	
Dimethyl phthalate	666	534	80.2	43.0-120	
Di-n-octyl phthalate	666	642	96.4	40.0-120	
1,2,4-Trichlorobenzene	666	378	56.8	17.0-120	
4-Chloro-3-methylphenol	666	424	63.7	28.0-120	
2-Chlorophenol	666	459	68.9	28.0-120	
2,4-Dichlorophenol	666	428	64.3	25.0-120	
2,4-Dimethylphenol	666	363	54.5	15.0-120	
4,6-Dinitro-2-methylphenol	666	763	115	16.0-120	
2,4-Dinitrophenol	666	693	104	10.0-120	
2-Nitrophenol	666	456	68.5	20.0-120	
4-Nitrophenol	666	581	87.2	27.0-120	
Pentachlorophenol	666	393	59.0	29.0-120	
Phenol	666	444	66.7	28.0-120	
2,4,6-Trichlorophenol	666	508	76.3	37.0-120	
(S) 2-Fluorophenol			*93.5*	*12.0-120*	
(S) Phenol-d5			*76.3*	*10.0-120*	
(S) Nitrobenzene-d5			*47.4*	*10.0-122*	
(S) 2-Fluorobiphenyl			*71.5*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*84.1*	*10.0-127*	
(S) p-Terphenyl-d14			*76.9*	*10.0-120*	

L1853811-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853811-05 05/01/25 20:38 • (MS) R4208613-3 05/01/25 20:59 • (MSD) R4208613-4 05/01/25 21:20

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	739	ND	400	377	54.2	51.2	2	25.0-120			5.99	32
Benzidine	1480	ND	ND	ND	0.000	0.000	2	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	739	ND	400	376	54.2	51.1	2	10.0-120			6.29	33
Bis(2-chlorethoxy)methane	739	ND	ND	ND	40.2	38.6	2	10.0-120			4.58	34
Bis(2-chloroethyl)ether	739	ND	ND	ND	42.3	41.0	2	10.0-120			3.61	40
2,2-Oxybis(1-Chloropropane)	739	ND	ND	ND	51.5	48.0	2	10.0-120			7.25	40
4-Bromophenyl-phenylether	739	ND	ND	ND	56.9	53.8	2	27.0-120			5.98	30
2-Chloronaphthalene	739	ND	377	356	51.1	48.3	2	20.0-120			5.75	32

L1853811-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853811-05 05/01/25 20:38 • (MS) R4208613-3 05/01/25 20:59 • (MSD) R4208613-4 05/01/25 21:20

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	739	ND	ND	ND	58.0	55.6	2	24.0-120			4.50	29
1,2-Dichlorobenzene	739	ND	ND	ND	44.1	41.7	2	10.0-120			5.95	38
1,3-Dichlorobenzene	739	ND	ND	ND	43.8	41.1	2	10.0-120			6.73	40
1,4-Dichlorobenzene	739	ND	ND	ND	46.1	44.0	2	10.0-120			5.01	39
3,3-Dichlorobenzidine	1480	ND	ND	ND	45.3	46.5	2	10.0-120			2.62	34
2,4-Dinitrotoluene	739	ND	ND	ND	62.9	61.4	2	30.0-120			2.66	31
2,6-Dinitrotoluene	739	ND	ND	ND	60.4	59.0	2	25.0-120			2.52	31
Hexachlorobenzene	739	ND	ND	ND	48.2	46.2	2	27.0-120			4.46	28
Hexachloro-1,3-butadiene	739	ND	ND	ND	44.6	43.5	2	10.0-120			2.73	38
Hexachlorocyclopentadiene	739	ND	ND	ND	1.83	1.13	2	10.0-120	J6	J3 J6	47.5	40
Hexachloroethane	739	ND	ND	ND	31.8	28.8	2	10.0-120			10.4	40
Isophorone	739	ND	ND	ND	41.7	39.6	2	13.0-120			5.55	34
Nitrobenzene	739	ND	ND	ND	38.9	37.0	2	10.0-120			5.15	36
n-Nitrosodimethylamine	739	ND	ND	ND	45.8	39.9	2	10.0-127			14.0	40
n-Nitrosodiphenylamine	739	ND	ND	ND	55.6	52.3	2	17.0-120			6.42	29
n-Nitrosodi-n-propylamine	739	ND	ND	ND	42.2	39.3	2	10.0-120			7.38	37
Phenanthrene	739	ND	412	396	55.7	53.8	2	17.0-120			3.85	31
Benzylbutyl phthalate	739	ND	ND	ND	73.3	70.9	2	23.0-120			3.55	30
Bis(2-ethylhexyl)phthalate	739	ND	ND	ND	67.7	65.2	2	17.0-126			4.07	30
Di-n-butyl phthalate	739	ND	ND	ND	59.0	58.3	2	30.0-120			1.54	29
Diethyl phthalate	739	ND	ND	ND	59.3	57.4	2	26.0-120			3.61	28
Dimethyl phthalate	739	ND	ND	ND	57.7	55.7	2	25.0-120			3.71	29
Di-n-octyl phthalate	739	ND	ND	ND	90.8	88.9	2	21.0-123			2.51	29
1,2,4-Trichlorobenzene	739	ND	ND	ND	47.6	46.4	2	12.0-120			2.88	37
4-Chloro-3-methylphenol	739	ND	ND	ND	53.2	51.4	2	15.0-120			3.74	30
2-Chlorophenol	739	ND	ND	ND	49.7	46.2	2	15.0-120			7.52	37
2,4-Dichlorophenol	739	ND	ND	ND	53.5	50.6	2	20.0-120			5.78	31
2,4-Dimethylphenol	739	ND	ND	ND	42.6	41.4	2	10.0-120			3.22	33
4,6-Dinitro-2-methylphenol	739	ND	ND	ND	70.7	65.5	2	10.0-120			7.95	39
2,4-Dinitrophenol	739	ND	ND	ND	54.1	52.6	2	10.0-121			3.10	40
2-Nitrophenol	739	ND	ND	ND	55.4	54.5	2	12.0-120			1.92	39
4-Nitrophenol	739	ND	ND	ND	66.1	64.8	2	10.0-137			2.30	32
Pentachlorophenol	739	ND	ND	ND	59.3	58.3	2	10.0-160			2.05	31
Phenol	739	ND	ND	ND	47.0	44.3	2	12.0-120			6.26	38
2,4,6-Trichlorophenol	739	ND	ND	ND	58.1	57.5	2	19.0-120			1.30	32
(S) 2-Fluorophenol					*58.5*	*55.4*		*12.0-120*				
(S) Phenol-d5					*51.1*	*47.7*		*10.0-120*				
(S) Nitrobenzene-d5					*35.4*	*34.9*		*10.0-122*				
(S) 2-Fluorobiphenyl					*49.5*	*46.7*		*15.0-120*				

L1853811-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853811-05 05/01/25 20:38 • (MS) R4208613-3 05/01/25 20:59 • (MSD) R4208613-4 05/01/25 21:20

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	%	%		%			%	%
(S) 2,4,6-Tribromophenol					*52.6*	*51.7*		*10.0-127*				
(S) p-Terphenyl-d14					*55.9*	*53.9*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure.

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.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C7	The initial calibration verification standard (SSCV) associated with this data responded high.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	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.

B112

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

Scan QR Code for instructions

Company Name: CTEH, LLC	Contact/Report To: Lab Results, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman
Street Address: 5120 North Shore Drive, North Little Rock, AR 72118	Phone #:
	E-Mail: labresults@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

**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 #: 1853811; Profile / Template: T271979; Prelog / Bottle Ord. ID:

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	Preservation non-conformance identified for sample.
GACO0430T032S001	SS	G	-	-	4/30/2025	1010	3	-	-	X	X	X	X	-	-01	
GACO0430T032S002	SS	G	-	-	4/30/2025	1030	3	-	-	X	X	X	X	-	-02	
GACO0430T032S003	SS	G	-	-	4/30/2025	1055	3	-	-	X	X	X	X	-	-03	
GACO0430T032S004	SS	G	-	-	4/30/2025	1115	3	-	-	X	X	X	X	-	-04	
GACO0430T032C004	SS	G	-	-	4/30/2025	1115	3	-	-	X	X	X	X	-	-05	
GACO0430T032T002	OT	G	-	-	4/30/2025	0730	2	-	-	-	-	-	-	X	-06	

1.8+0.4=2.2

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

15 TOTAL

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: Elizabeth Fuchs; Signature: Elizabeth Fuchs

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:
Elizabeth Fuchs / Montrose / Elizabeth Fuchs	4/30/25 1800	PACE	4/30/25 1900
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) Christopher D. Mellin	Date/Time: 5/1/25 1300

Tracking Number:

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

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