ANALYTICAL REPORT

April 28, 2025

Pace Analytical Services, LLC
2025.04.28 15:28:43 -05'00'
Document is certified

CTEH - ER

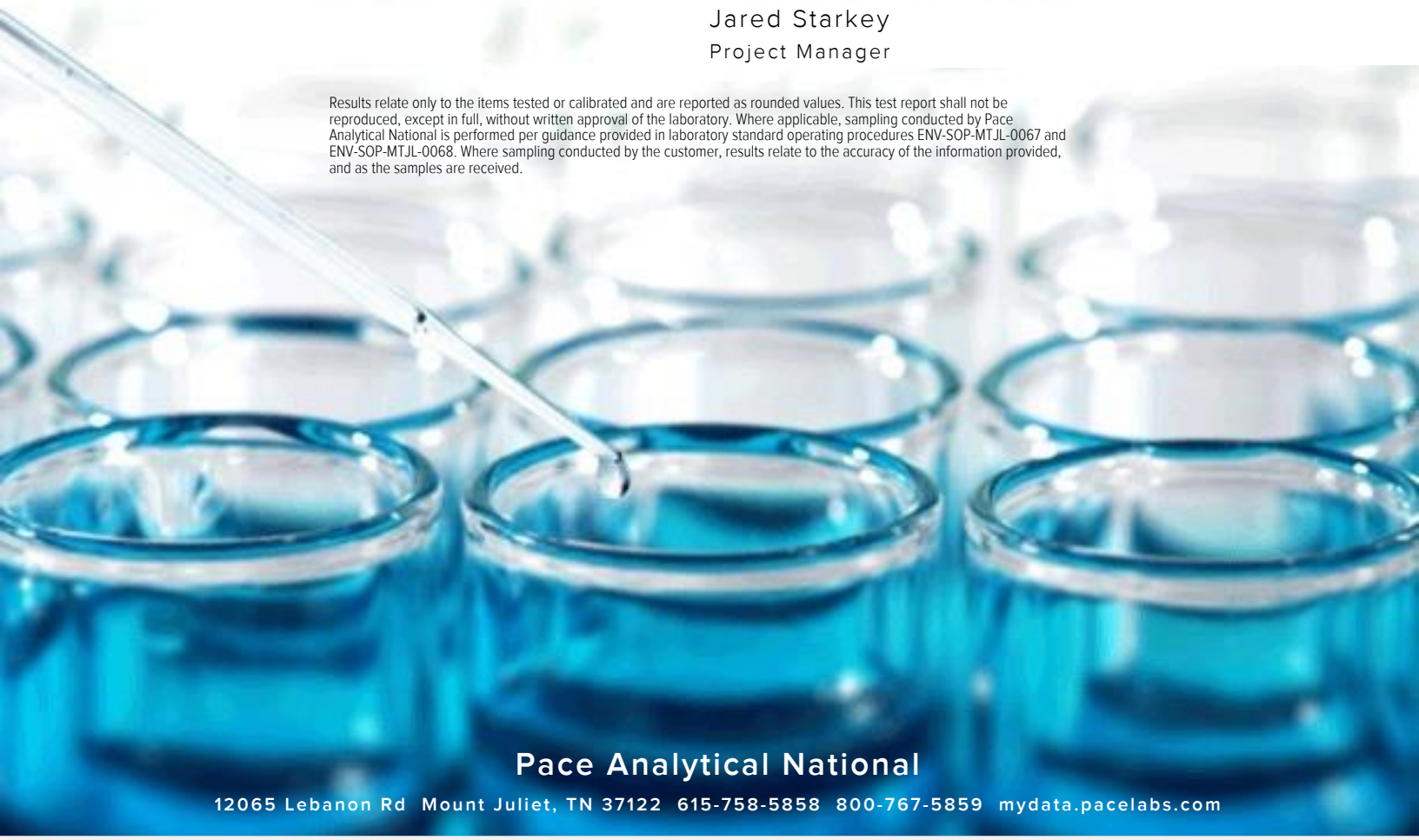
Sample Delivery Group:	L1852114
Samples Received:	04/26/2025
Project Number:	PROJ-054017
Description:	Bishop Loss of Containment Incident

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

TABLE OF CONTENTS

Cp: Cover Page 1

Tc: Table of Contents 2

Ss: Sample Summary 3

Cn: Case Narrative 5

Sr: Sample Results 7

GACO0425T050S001 L1852114-01 7

GACO0425T050S002 L1852114-02 10

GACO0425T050S003 L1852114-03 13

GACO0425T050S004 L1852114-04 16

GACO0425T050S005 L1852114-05 19

GACO0425T050T002 L1852114-06 22

Qc: Quality Control Summary 24

Total Solids by Method 2540 G-2011 24

Wet Chemistry by Method 350.1 25

Wet Chemistry by Method 4500NOrg D-2021 26

Wet Chemistry by Method 9056A 28

Wet Chemistry by Method WALKLEY-BLACK 29

Metals (ICP) by Method 6010D 30

Volatile Organic Compounds (GC/MS) by Method 8260D 32

Semi Volatile Organic Compounds (GC/MS) by Method 8270E 41

Gl: Glossary of Terms 46

Al: Accreditations & Locations 47

Sc: Sample Chain of Custody 48

GACO0425T050S001 L1852114-01 Solid

Collected by: Kaitlin Wykoff | Collected date/time: 04/25/25 08:10 | Received date/time: 04/26/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2500834	1	04/26/25 18:01	04/28/25 00:18	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2500737	1	04/26/25 15:31	04/26/25 15:48	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2500940	1	04/26/25 23:06	04/27/25 20:05	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2501020	10	04/27/25 09:18	04/28/25 00:18	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2500834	1	04/26/25 18:01	04/26/25 23:21	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2500870	10	04/26/25 17:46	04/27/25 15:48	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2500788	1	04/26/25 18:09	04/27/25 00:12	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2500829	1	04/26/25 14:07	04/26/25 18:59	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2500782	2	04/26/25 16:41	04/28/25 00:02	HLA	Mt. Juliet, TN

GACO0425T050S002 L1852114-02 Solid

Collected by: Kaitlin Wykoff | Collected date/time: 04/25/25 08:45 | Received date/time: 04/26/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2500834	1	04/26/25 18:01	04/28/25 00:20	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2500737	1	04/26/25 15:31	04/26/25 15:48	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2500940	1	04/26/25 23:06	04/27/25 20:07	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2501020	10	04/27/25 09:18	04/28/25 00:20	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2500834	1	04/26/25 18:01	04/26/25 23:39	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2500870	5	04/26/25 17:46	04/27/25 15:50	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2500788	1	04/26/25 18:09	04/27/25 00:23	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2500829	1	04/26/25 14:07	04/26/25 19:19	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2500782	1	04/26/25 16:41	04/26/25 22:14	HLA	Mt. Juliet, TN

GACO0425T050S003 L1852114-03 Solid

Collected by: Kaitlin Wykoff | Collected date/time: 04/25/25 09:05 | Received date/time: 04/26/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2500834	1	04/26/25 18:01	04/28/25 00:23	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2500737	1	04/26/25 15:31	04/26/25 15:48	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2500940	1	04/26/25 23:06	04/27/25 20:08	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2501020	10	04/27/25 09:18	04/28/25 00:23	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2500834	1	04/26/25 18:01	04/26/25 23:57	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2500870	5	04/26/25 17:46	04/27/25 15:51	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2500788	1	04/26/25 18:09	04/27/25 00:26	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2500829	1	04/26/25 14:07	04/26/25 19:39	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2500782	1	04/26/25 16:41	04/26/25 21:54	HLA	Mt. Juliet, TN

GACO0425T050S004 L1852114-04 Solid

Collected by: Kaitlin Wykoff | Collected date/time: 04/25/25 10:15 | Received date/time: 04/26/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2500834	1	04/26/25 18:01	04/28/25 00:25	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2500737	1	04/26/25 15:31	04/26/25 15:48	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2500940	1	04/26/25 23:06	04/27/25 20:10	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2501020	10	04/27/25 09:18	04/28/25 00:25	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2500834	1	04/26/25 18:01	04/27/25 00:50	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2500870	5	04/26/25 17:46	04/27/25 15:51	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2500788	1	04/26/25 18:09	04/27/25 00:28	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2500829	1	04/26/25 14:07	04/26/25 19:59	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2500782	2	04/26/25 16:41	04/27/25 03:17	HLA	Mt. Juliet, TN

GACO0425T050S005 L1852114-05 Solid

Collected by: Kaitlin Wykoff
Collected date/time: 04/25/25 10:35
Received date/time: 04/26/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2500834	1	04/26/25 18:01	04/28/25 00:26	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2500737	1	04/26/25 15:31	04/26/25 15:48	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2500940	1	04/26/25 23:06	04/27/25 20:11	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2501020	10	04/27/25 09:18	04/28/25 00:26	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2500834	1	04/26/25 18:01	04/27/25 01:06	AJC	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2500870	5	04/26/25 17:46	04/27/25 15:52	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2500788	1	04/26/25 18:09	04/27/25 00:50	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2500829	1	04/26/25 14:07	04/26/25 20:19	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2500782	1	04/26/25 16:41	04/26/25 22:34	HLA	Mt. Juliet, TN

GACO0425T050T002 L1852114-06 GW

Collected by: Kaitlin Wykoff
Collected date/time: 04/25/25 07:30
Received date/time: 04/26/25 11:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2500597	1	04/26/25 17:00	04/26/25 17:00	DWR	Mt. Juliet, TN

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

Jared Starkey
Project Manager

Wet Chemistry by Method 4500NOrg D-2021

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

Batch	Lab Sample ID	Analytes
WG2501020	(DUP) R4206030-5, L1852114-03	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2501020	(MS) R4206030-3, L1852114-01	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2501020	(MS) R4206030-6, (MSD) R4206030-7	Kjeldahl Nitrogen, TKN

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2500834	(MSD) R4205768-4, L1852114-03	Nitrate-Nitrite

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2500788	(MS) R4205752-5, (MSD) R4205752-6, L1852114-01	Aluminum, Calcium and Iron

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

Batch	Lab Sample ID	Analytes
WG2500788	(MS) R4205752-5, (MSD) R4205752-6, L1852114-01	Antimony, Magnesium, Manganese and Potassium

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

Batch	Lab Sample ID	Analytes
WG2500788	(MSD) R4205752-6, L1852114-01	Aluminum and Iron

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
WG2500597	L1852114-06	1,1,1,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Bromoform, Methylene Chloride and Naphthalene
WG2500829	L1852114-01	1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, 2-Butanone (MEK), Acetone, Acrylonitrile, Bromomethane, Chloromethane, Di-isopropyl ether and Vinyl chloride
WG2500829	L1852114-02	1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, 2-Butanone (MEK), Acetone, Acrylonitrile, Bromomethane, Chloromethane, Di-isopropyl ether and Vinyl chloride
WG2500829	L1852114-03	1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, 2-Butanone (MEK), Acetone, Acrylonitrile, Bromomethane, Chloromethane, Di-isopropyl ether and Vinyl chloride
WG2500829	L1852114-04	1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, 2-Butanone (MEK), Acetone, Acrylonitrile, Bromomethane, Chloromethane, Di-isopropyl ether and Vinyl chloride
WG2500829	L1852114-05	1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, 2-Butanone (MEK), Acetone, Acrylonitrile, Bromomethane, Chloromethane, Di-isopropyl ether and Vinyl chloride

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

Batch	Lab Sample ID	Analytes
WG2500597	(LCS) R4205685-1, (LCSD) R4205685-2, L1852114-06	Methylene Chloride

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

Batch	Lab Sample ID	Analytes
WG2500597	(LCSD) R4205685-2, L1852114-06	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Hexachloro-1,3-butadiene and Naphthalene

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

Batch	Lab Sample ID	Analytes
WG2500829	(MSD) R4205766-4	1,1,2-Trichlorotrifluoroethane and Dichlorodifluoromethane

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
WG2500782	L1852114-01	2,2-Oxybis(1-Chloropropane), 2,4-Dimethylphenol, Hexachlorocyclopentadiene and n-Nitrosodimethylamine
WG2500782	L1852114-02	2,2-Oxybis(1-Chloropropane), 2,4-Dimethylphenol and Hexachlorocyclopentadiene
WG2500782	L1852114-03	2,2-Oxybis(1-Chloropropane), 2,4-Dimethylphenol and Hexachlorocyclopentadiene
WG2500782	L1852114-04	2,2-Oxybis(1-Chloropropane), 2,4-Dimethylphenol and Hexachlorocyclopentadiene
WG2500782	L1852114-05	2,2-Oxybis(1-Chloropropane), 2,4-Dimethylphenol and Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2500782	L1852114-01	Benzidine and Hexachlorocyclopentadiene
WG2500782	L1852114-02	Benzidine and Hexachlorocyclopentadiene
WG2500782	L1852114-03	Benzidine and Hexachlorocyclopentadiene
WG2500782	L1852114-04	Benzidine and Hexachlorocyclopentadiene
WG2500782	L1852114-05	Benzidine and Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2500782	(MS) R4205968-3, (MSD) R4205968-4, L1852114-05	Benzidine

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	3650000		639	21100	1	04/28/2025 00:18	WG2500834

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.9		1	04/26/2025 15:48	WG2500737

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	U		7580	10500	1	04/27/2025 20:05	WG2500940

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	3640000	V	160000	211000	10	04/28/2025 00:18	WG2501020

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	7820	J	639	21100	1	04/26/2025 23:21	WG2500834

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	44200000		255000	1000000	10	04/27/2025 15:48	WG2500870

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	6630000	J3 V	6410	21100	1	04/27/2025 00:12	WG2500788
Antimony	U	J6	728	2110	1	04/27/2025 00:12	WG2500788
Beryllium	444		50.3	211	1	04/27/2025 00:12	WG2500788
Calcium	8560000	V	20000	105000	1	04/27/2025 00:12	WG2500788
Cobalt	3210		187	1050	1	04/27/2025 00:12	WG2500788
Iron	9540000	J3 V	2360	10500	1	04/27/2025 00:12	WG2500788
Magnesium	2640000	J6	21000	105000	1	04/27/2025 00:12	WG2500788
Manganese	226000	J6	182	1050	1	04/27/2025 00:12	WG2500788
Potassium	2640000	J6	22000	105000	1	04/27/2025 00:12	WG2500788
Sodium	101000	J	43400	105000	1	04/27/2025 00:12	WG2500788
Thallium	U		546	2110	1	04/27/2025 00:12	WG2500788
Vanadium	16200		404	2110	1	04/27/2025 00:12	WG2500788

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	U	C3	40.4	55.4	1	04/26/2025 18:59	WG2500829
Acrylonitrile	U	C3	4.00	13.8	1	04/26/2025 18:59	WG2500829
Bromobenzene	U		0.997	13.8	1	04/26/2025 18:59	WG2500829
Bromodichloromethane	U		0.803	2.77	1	04/26/2025 18:59	WG2500829
Bromoform	U		1.30	27.7	1	04/26/2025 18:59	WG2500829
Bromomethane	3.97	C3 J	2.18	13.8	1	04/26/2025 18:59	WG2500829

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	U		5.82	13.8	1	04/26/2025 18:59	WG2500829
sec-Butylbenzene	U		3.19	13.8	1	04/26/2025 18:59	WG2500829
tert-Butylbenzene	U		2.16	5.54	1	04/26/2025 18:59	WG2500829
Carbon tetrachloride	U		0.995	5.54	1	04/26/2025 18:59	WG2500829
Chlorobenzene	U		0.233	2.77	1	04/26/2025 18:59	WG2500829
Chlorodibromomethane	U		0.678	2.77	1	04/26/2025 18:59	WG2500829
Chloroethane	U		1.88	5.54	1	04/26/2025 18:59	WG2500829
Chloroform	U		1.14	2.77	1	04/26/2025 18:59	WG2500829
Chloromethane	U	C3	4.82	13.8	1	04/26/2025 18:59	WG2500829
2-Chlorotoluene	U		0.958	2.77	1	04/26/2025 18:59	WG2500829
4-Chlorotoluene	U		0.498	5.54	1	04/26/2025 18:59	WG2500829
1,2-Dibromo-3-Chloropropane	U		4.32	27.7	1	04/26/2025 18:59	WG2500829
1,2-Dibromoethane	U		0.718	2.77	1	04/26/2025 18:59	WG2500829
Dibromomethane	U		0.831	5.54	1	04/26/2025 18:59	WG2500829
1,2-Dichlorobenzene	U		0.471	5.54	1	04/26/2025 18:59	WG2500829
1,3-Dichlorobenzene	U		0.665	5.54	1	04/26/2025 18:59	WG2500829
1,4-Dichlorobenzene	U		0.775	5.54	1	04/26/2025 18:59	WG2500829
Dichlorodifluoromethane	U		1.78	5.54	1	04/26/2025 18:59	WG2500829
1,1-Dichloroethane	U	C3	0.544	2.77	1	04/26/2025 18:59	WG2500829
1,2-Dichloroethane	U	C3	0.719	2.77	1	04/26/2025 18:59	WG2500829
1,1-Dichloroethene	U	C3	0.671	2.77	1	04/26/2025 18:59	WG2500829
cis-1,2-Dichloroethene	U		0.813	2.77	1	04/26/2025 18:59	WG2500829
trans-1,2-Dichloroethene	U		1.15	5.54	1	04/26/2025 18:59	WG2500829
1,2-Dichloropropane	U		1.57	5.54	1	04/26/2025 18:59	WG2500829
1,1-Dichloropropene	U		0.896	2.77	1	04/26/2025 18:59	WG2500829
1,3-Dichloropropane	U		0.555	5.54	1	04/26/2025 18:59	WG2500829
cis-1,3-Dichloropropene	U		0.838	2.77	1	04/26/2025 18:59	WG2500829
trans-1,3-Dichloropropene	U		1.26	5.54	1	04/26/2025 18:59	WG2500829
2,2-Dichloropropane	U		1.53	2.77	1	04/26/2025 18:59	WG2500829
Di-isopropyl ether	U	C3	0.454	1.11	1	04/26/2025 18:59	WG2500829
Hexachloro-1,3-butadiene	U		6.65	27.7	1	04/26/2025 18:59	WG2500829
Isopropylbenzene	U		0.471	2.77	1	04/26/2025 18:59	WG2500829
p-Isopropyltoluene	U		2.82	5.54	1	04/26/2025 18:59	WG2500829
2-Butanone (MEK)	U	C3	70.3	111	1	04/26/2025 18:59	WG2500829
Methylene Chloride	U		7.35	27.7	1	04/26/2025 18:59	WG2500829
4-Methyl-2-pentanone (MIBK)	U		2.53	27.7	1	04/26/2025 18:59	WG2500829
Methyl tert-butyl ether	U		0.388	1.11	1	04/26/2025 18:59	WG2500829
n-Propylbenzene	U		1.05	5.54	1	04/26/2025 18:59	WG2500829
Styrene	U		0.254	13.8	1	04/26/2025 18:59	WG2500829
1,1,1,2-Tetrachloroethane	U		1.05	2.77	1	04/26/2025 18:59	WG2500829
1,1,2,2-Tetrachloroethane	U		0.770	2.77	1	04/26/2025 18:59	WG2500829
1,1,2-Trichlorotrifluoroethane	U		0.835	2.77	1	04/26/2025 18:59	WG2500829
Tetrachloroethene	U		0.992	2.77	1	04/26/2025 18:59	WG2500829
1,2,3-Trichlorobenzene	U		8.12	13.8	1	04/26/2025 18:59	WG2500829
1,2,4-Trichlorobenzene	U		4.87	13.8	1	04/26/2025 18:59	WG2500829
1,1,1-Trichloroethane	U		1.02	2.77	1	04/26/2025 18:59	WG2500829
1,1,2-Trichloroethane	U		0.661	2.77	1	04/26/2025 18:59	WG2500829
Trichloroethene	U		0.647	1.11	1	04/26/2025 18:59	WG2500829
Trichlorofluoromethane	U		0.916	2.77	1	04/26/2025 18:59	WG2500829
1,2,3-Trichloropropane	U		1.79	13.8	1	04/26/2025 18:59	WG2500829
1,2,3-Trimethylbenzene	U		1.75	5.54	1	04/26/2025 18:59	WG2500829
Vinyl chloride	U	C3	1.28	2.77	1	04/26/2025 18:59	WG2500829
(S) Toluene-d8	*112*			*75.0-131*		*04/26/2025 18:59*	WG2500829
(S) 4-Bromofluorobenzene	*99.0*			*67.0-138*		*04/26/2025 18:59*	WG2500829
(S) 1,2-Dichloroethane-d4	*81.2*			*70.0-130*		*04/26/2025 18:59*	WG2500829

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	U		9.88	70.2	2	04/28/2025 00:02	WG2500782
Benzidine	U	C7	132	3520	2	04/28/2025 00:02	WG2500782
Benzo(g,h,i)perylene	U		12.9	70.2	2	04/28/2025 00:02	WG2500782
Bis(2-chlorethoxy)methane	U		21.1	702	2	04/28/2025 00:02	WG2500782
Bis(2-chloroethyl)ether	U		23.2	702	2	04/28/2025 00:02	WG2500782
2,2-Oxybis(1-Chloropropane)	U	C3	30.4	702	2	04/28/2025 00:02	WG2500782
4-Bromophenyl-phenylether	U		24.7	702	2	04/28/2025 00:02	WG2500782
2-Chloronaphthalene	U		12.3	70.2	2	04/28/2025 00:02	WG2500782
4-Chlorophenyl-phenylether	U		24.4	702	2	04/28/2025 00:02	WG2500782
1,2-Dichlorobenzene	U		20.8	702	2	04/28/2025 00:02	WG2500782
1,3-Dichlorobenzene	U		21.3	702	2	04/28/2025 00:02	WG2500782
1,4-Dichlorobenzene	U		20.9	702	2	04/28/2025 00:02	WG2500782
3,3-Dichlorobenzidine	U		25.9	702	2	04/28/2025 00:02	WG2500782
2,4-Dinitrotoluene	U		20.1	702	2	04/28/2025 00:02	WG2500782
2,6-Dinitrotoluene	U		23.0	702	2	04/28/2025 00:02	WG2500782
Hexachlorobenzene	U		24.9	702	2	04/28/2025 00:02	WG2500782
Hexachloro-1,3-butadiene	U		23.6	702	2	04/28/2025 00:02	WG2500782
Hexachlorocyclopentadiene	U	C3 C7	36.9	702	2	04/28/2025 00:02	WG2500782
Hexachloroethane	U		27.6	702	2	04/28/2025 00:02	WG2500782
Isophorone	U		21.5	702	2	04/28/2025 00:02	WG2500782
Nitrobenzene	U		24.4	702	2	04/28/2025 00:02	WG2500782
n-Nitrosodimethylamine	U	C3	104	702	2	04/28/2025 00:02	WG2500782
n-Nitrosodiphenylamine	U		53.1	702	2	04/28/2025 00:02	WG2500782
n-Nitrosodi-n-propylamine	U		23.4	702	2	04/28/2025 00:02	WG2500782
Phenanthrene	U		13.9	70.2	2	04/28/2025 00:02	WG2500782
Benzylbutyl phthalate	U		21.9	702	2	04/28/2025 00:02	WG2500782
Bis(2-ethylhexyl)phthalate	U		88.9	702	2	04/28/2025 00:02	WG2500782
Di-n-butyl phthalate	U		24.0	702	2	04/28/2025 00:02	WG2500782
Diethyl phthalate	U		23.2	702	2	04/28/2025 00:02	WG2500782
Dimethyl phthalate	U		149	702	2	04/28/2025 00:02	WG2500782
Di-n-octyl phthalate	U		47.4	702	2	04/28/2025 00:02	WG2500782
1,2,4-Trichlorobenzene	U		21.9	702	2	04/28/2025 00:02	WG2500782
4-Chloro-3-methylphenol	U		22.8	702	2	04/28/2025 00:02	WG2500782
2-Chlorophenol	U		23.2	702	2	04/28/2025 00:02	WG2500782
2,4-Dichlorophenol	U		20.4	702	2	04/28/2025 00:02	WG2500782
2,4-Dimethylphenol	U	C3	18.3	702	2	04/28/2025 00:02	WG2500782
4,6-Dinitro-2-methylphenol	U		159	702	2	04/28/2025 00:02	WG2500782
2,4-Dinitrophenol	U		164	702	2	04/28/2025 00:02	WG2500782
2-Nitrophenol	U		25.1	702	2	04/28/2025 00:02	WG2500782
4-Nitrophenol	U		21.9	702	2	04/28/2025 00:02	WG2500782
Pentachlorophenol	U		18.9	702	2	04/28/2025 00:02	WG2500782
Phenol	U		28.2	702	2	04/28/2025 00:02	WG2500782
2,4,6-Trichlorophenol	U		22.6	702	2	04/28/2025 00:02	WG2500782
(S) 2-Fluorophenol	*63.2*			*12.0-120*		*04/28/2025 00:02*	WG2500782
(S) Phenol-d5	*59.6*			*10.0-120*		*04/28/2025 00:02*	WG2500782
(S) Nitrobenzene-d5	*58.0*			*10.0-122*		*04/28/2025 00:02*	WG2500782
(S) 2-Fluorobiphenyl	*64.7*			*15.0-120*		*04/28/2025 00:02*	WG2500782
(S) 2,4,6-Tribromophenol	*92.9*			*10.0-127*		*04/28/2025 00:02*	WG2500782
(S) p-Terphenyl-d14	*66.8*			*10.0-120*		*04/28/2025 00:02*	WG2500782

Sample Narrative:

L1852114-01 WG2500782: Dilution due to matrix impact during extract concentration procedure.

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1070000		639	21100	1	04/28/2025 00:20	WG2500834

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.8		1	04/26/2025 15:48	WG2500737

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	U		7590	10600	1	04/27/2025 20:07	WG2500940

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1060000		160000	211000	10	04/28/2025 00:20	WG2501020

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	6200	J	639	21100	1	04/26/2025 23:39	WG2500834

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	8610000		128000	500000	5	04/27/2025 15:50	WG2500870

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	4450000		6420	21100	1	04/27/2025 00:23	WG2500788
Antimony	U		729	2110	1	04/27/2025 00:23	WG2500788
Beryllium	367		50.3	211	1	04/27/2025 00:23	WG2500788
Calcium	6080000		20000	106000	1	04/27/2025 00:23	WG2500788
Cobalt	2670		187	1060	1	04/27/2025 00:23	WG2500788
Iron	6980000		2360	10600	1	04/27/2025 00:23	WG2500788
Magnesium	1760000		21000	106000	1	04/27/2025 00:23	WG2500788
Manganese	154000		183	1060	1	04/27/2025 00:23	WG2500788
Potassium	1760000		22100	106000	1	04/27/2025 00:23	WG2500788
Sodium	71000	J	43500	106000	1	04/27/2025 00:23	WG2500788
Thallium	U		547	2110	1	04/27/2025 00:23	WG2500788
Vanadium	11900		404	2110	1	04/27/2025 00:23	WG2500788

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	U	C3	40.5	55.5	1	04/26/2025 19:19	WG2500829
Acrylonitrile	U	C3	4.01	13.9	1	04/26/2025 19:19	WG2500829
Bromobenzene	U		1.00	13.9	1	04/26/2025 19:19	WG2500829
Bromodichloromethane	U		0.805	2.78	1	04/26/2025 19:19	WG2500829
Bromoform	U		1.30	27.8	1	04/26/2025 19:19	WG2500829
Bromomethane	U	C3	2.19	13.9	1	04/26/2025 19:19	WG2500829

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	U		5.83	13.9	1	04/26/2025 19:19	WG2500829
sec-Butylbenzene	U		3.20	13.9	1	04/26/2025 19:19	WG2500829
tert-Butylbenzene	U		2.17	5.55	1	04/26/2025 19:19	WG2500829
Carbon tetrachloride	U		0.997	5.55	1	04/26/2025 19:19	WG2500829
Chlorobenzene	U		0.233	2.78	1	04/26/2025 19:19	WG2500829
Chlorodibromomethane	U		0.680	2.78	1	04/26/2025 19:19	WG2500829
Chloroethane	U		1.89	5.55	1	04/26/2025 19:19	WG2500829
Chloroform	U		1.14	2.78	1	04/26/2025 19:19	WG2500829
Chloromethane	U	C3	4.83	13.9	1	04/26/2025 19:19	WG2500829
2-Chlorotoluene	U		0.961	2.78	1	04/26/2025 19:19	WG2500829
4-Chlorotoluene	U		0.500	5.55	1	04/26/2025 19:19	WG2500829
1,2-Dibromo-3-Chloropropane	U		4.33	27.8	1	04/26/2025 19:19	WG2500829
1,2-Dibromoethane	U		0.720	2.78	1	04/26/2025 19:19	WG2500829
Dibromomethane	U		0.833	5.55	1	04/26/2025 19:19	WG2500829
1,2-Dichlorobenzene	U		0.472	5.55	1	04/26/2025 19:19	WG2500829
1,3-Dichlorobenzene	U		0.666	5.55	1	04/26/2025 19:19	WG2500829
1,4-Dichlorobenzene	U		0.777	5.55	1	04/26/2025 19:19	WG2500829
Dichlorodifluoromethane	U		1.79	5.55	1	04/26/2025 19:19	WG2500829
1,1-Dichloroethane	U	C3	0.545	2.78	1	04/26/2025 19:19	WG2500829
1,2-Dichloroethane	U	C3	0.721	2.78	1	04/26/2025 19:19	WG2500829
1,1-Dichloroethene	U	C3	0.673	2.78	1	04/26/2025 19:19	WG2500829
cis-1,2-Dichloroethene	U		0.815	2.78	1	04/26/2025 19:19	WG2500829
trans-1,2-Dichloroethene	U		1.15	5.55	1	04/26/2025 19:19	WG2500829
1,2-Dichloropropane	U		1.58	5.55	1	04/26/2025 19:19	WG2500829
1,1-Dichloropropene	U		0.898	2.78	1	04/26/2025 19:19	WG2500829
1,3-Dichloropropane	U		0.556	5.55	1	04/26/2025 19:19	WG2500829
cis-1,3-Dichloropropene	U		0.841	2.78	1	04/26/2025 19:19	WG2500829
trans-1,3-Dichloropropene	U		1.27	5.55	1	04/26/2025 19:19	WG2500829
2,2-Dichloropropane	U		1.53	2.78	1	04/26/2025 19:19	WG2500829
Di-isopropyl ether	U	C3	0.455	1.11	1	04/26/2025 19:19	WG2500829
Hexachloro-1,3-butadiene	U		6.66	27.8	1	04/26/2025 19:19	WG2500829
Isopropylbenzene	U		0.472	2.78	1	04/26/2025 19:19	WG2500829
p-Isopropyltoluene	U		2.83	5.55	1	04/26/2025 19:19	WG2500829
2-Butanone (MEK)	U	C3	70.5	111	1	04/26/2025 19:19	WG2500829
Methylene Chloride	U		7.37	27.8	1	04/26/2025 19:19	WG2500829
4-Methyl-2-pentanone (MIBK)	U		2.53	27.8	1	04/26/2025 19:19	WG2500829
Methyl tert-butyl ether	U		0.389	1.11	1	04/26/2025 19:19	WG2500829
n-Propylbenzene	U		1.06	5.55	1	04/26/2025 19:19	WG2500829
Styrene	U		0.254	13.9	1	04/26/2025 19:19	WG2500829
1,1,1,2-Tetrachloroethane	U		1.05	2.78	1	04/26/2025 19:19	WG2500829
1,1,2,2-Tetrachloroethane	U		0.772	2.78	1	04/26/2025 19:19	WG2500829
1,1,2-Trichlorotrifluoroethane	U		0.837	2.78	1	04/26/2025 19:19	WG2500829
Tetrachloroethene	U		0.995	2.78	1	04/26/2025 19:19	WG2500829
1,2,3-Trichlorobenzene	U		8.14	13.9	1	04/26/2025 19:19	WG2500829
1,2,4-Trichlorobenzene	U		4.89	13.9	1	04/26/2025 19:19	WG2500829
1,1,1-Trichloroethane	U		1.03	2.78	1	04/26/2025 19:19	WG2500829
1,1,2-Trichloroethane	U		0.663	2.78	1	04/26/2025 19:19	WG2500829
Trichloroethene	U		0.649	1.11	1	04/26/2025 19:19	WG2500829
Trichlorofluoromethane	U		0.918	2.78	1	04/26/2025 19:19	WG2500829
1,2,3-Trichloropropane	U		1.80	13.9	1	04/26/2025 19:19	WG2500829
1,2,3-Trimethylbenzene	U		1.75	5.55	1	04/26/2025 19:19	WG2500829
Vinyl chloride	U	C3	1.29	2.78	1	04/26/2025 19:19	WG2500829
(S) Toluene-d8	*109*			*75.0-131*		*04/26/2025 19:19*	WG2500829
(S) 4-Bromofluorobenzene	*98.6*			*67.0-138*		*04/26/2025 19:19*	WG2500829
(S) 1,2-Dichloroethane-d4	*82.3*			*70.0-130*		*04/26/2025 19:19*	WG2500829

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	U		4.95	35.1	1	04/26/2025 22:14	WG2500782
Benzidine	U	C7	66.1	1760	1	04/26/2025 22:14	WG2500782
Benzo(g,h,i)perylene	U		6.43	35.1	1	04/26/2025 22:14	WG2500782
Bis(2-chlorethoxy)methane	U		10.6	351	1	04/26/2025 22:14	WG2500782
Bis(2-chloroethyl)ether	U		11.6	351	1	04/26/2025 22:14	WG2500782
2,2-Oxybis(1-Chloropropane)	U	C3	15.2	351	1	04/26/2025 22:14	WG2500782
4-Bromophenyl-phenylether	U		12.3	351	1	04/26/2025 22:14	WG2500782
2-Chloronaphthalene	U		6.17	35.1	1	04/26/2025 22:14	WG2500782
4-Chlorophenyl-phenylether	U		12.2	351	1	04/26/2025 22:14	WG2500782
1,2-Dichlorobenzene	U		10.4	351	1	04/26/2025 22:14	WG2500782
1,3-Dichlorobenzene	U		10.7	351	1	04/26/2025 22:14	WG2500782
1,4-Dichlorobenzene	U		10.5	351	1	04/26/2025 22:14	WG2500782
3,3-Dichlorobenzidine	U		13.0	351	1	04/26/2025 22:14	WG2500782
2,4-Dinitrotoluene	U		10.1	351	1	04/26/2025 22:14	WG2500782
2,6-Dinitrotoluene	U		11.5	351	1	04/26/2025 22:14	WG2500782
Hexachlorobenzene	U		12.5	351	1	04/26/2025 22:14	WG2500782
Hexachloro-1,3-butadiene	U		11.8	351	1	04/26/2025 22:14	WG2500782
Hexachlorocyclopentadiene	U	C3 C7	18.5	351	1	04/26/2025 22:14	WG2500782
Hexachloroethane	U		13.8	351	1	04/26/2025 22:14	WG2500782
Isophorone	U		10.8	351	1	04/26/2025 22:14	WG2500782
Nitrobenzene	U		12.2	351	1	04/26/2025 22:14	WG2500782
n-Nitrosodimethylamine	U		52.1	351	1	04/26/2025 22:14	WG2500782
n-Nitrosodiphenylamine	U		26.6	351	1	04/26/2025 22:14	WG2500782
n-Nitrosodi-n-propylamine	U		11.7	351	1	04/26/2025 22:14	WG2500782
Phenanthrene	U		6.98	35.1	1	04/26/2025 22:14	WG2500782
Benzylbutyl phthalate	U		11.0	351	1	04/26/2025 22:14	WG2500782
Bis(2-ethylhexyl)phthalate	U		44.5	351	1	04/26/2025 22:14	WG2500782
Di-n-butyl phthalate	U		12.0	351	1	04/26/2025 22:14	WG2500782
Diethyl phthalate	U		11.6	351	1	04/26/2025 22:14	WG2500782
Dimethyl phthalate	U		74.5	351	1	04/26/2025 22:14	WG2500782
Di-n-octyl phthalate	U		23.7	351	1	04/26/2025 22:14	WG2500782
1,2,4-Trichlorobenzene	U		11.0	351	1	04/26/2025 22:14	WG2500782
4-Chloro-3-methylphenol	U		11.4	351	1	04/26/2025 22:14	WG2500782
2-Chlorophenol	U		11.6	351	1	04/26/2025 22:14	WG2500782
2,4-Dichlorophenol	U		10.2	351	1	04/26/2025 22:14	WG2500782
2,4-Dimethylphenol	U	C3	9.18	351	1	04/26/2025 22:14	WG2500782
4,6-Dinitro-2-methylphenol	U		79.7	351	1	04/26/2025 22:14	WG2500782
2,4-Dinitrophenol	U		82.2	351	1	04/26/2025 22:14	WG2500782
2-Nitrophenol	U		12.6	351	1	04/26/2025 22:14	WG2500782
4-Nitrophenol	U		11.0	351	1	04/26/2025 22:14	WG2500782
Pentachlorophenol	U		9.46	351	1	04/26/2025 22:14	WG2500782
Phenol	U		14.1	351	1	04/26/2025 22:14	WG2500782
2,4,6-Trichlorophenol	U		11.3	351	1	04/26/2025 22:14	WG2500782
(S) 2-Fluorophenol	*70.9*			*12.0-120*		*04/26/2025 22:14*	WG2500782
(S) Phenol-d5	*64.9*			*10.0-120*		*04/26/2025 22:14*	WG2500782
(S) Nitrobenzene-d5	*67.4*			*10.0-122*		*04/26/2025 22:14*	WG2500782
(S) 2-Fluorobiphenyl	*71.2*			*15.0-120*		*04/26/2025 22:14*	WG2500782
(S) 2,4,6-Tribromophenol	*97.4*			*10.0-127*		*04/26/2025 22:14*	WG2500782
(S) p-Terphenyl-d14	*70.6*			*10.0-120*		*04/26/2025 22:14*	WG2500782

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1190000		640	21100	1	04/28/2025 00:23	WG2500834

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.7		1	04/26/2025 15:48	WG2500737

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	U		7590	10600	1	04/27/2025 20:08	WG2500940

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1180000	J3	160000	211000	10	04/28/2025 00:23	WG2501020

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	11300	J J3	640	21100	1	04/26/2025 23:57	WG2500834

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	11500000		128000	500000	5	04/27/2025 15:51	WG2500870

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	8250000		6420	21100	1	04/27/2025 00:26	WG2500788
Antimony	U		729	2110	1	04/27/2025 00:26	WG2500788
Beryllium	485		50.4	211	1	04/27/2025 00:26	WG2500788
Calcium	7270000		20100	106000	1	04/27/2025 00:26	WG2500788
Cobalt	3350		187	1060	1	04/27/2025 00:26	WG2500788
Iron	10400000		2360	10600	1	04/27/2025 00:26	WG2500788
Magnesium	2360000		21000	106000	1	04/27/2025 00:26	WG2500788
Manganese	198000		183	1060	1	04/27/2025 00:26	WG2500788
Potassium	2100000		22100	106000	1	04/27/2025 00:26	WG2500788
Sodium	148000		43500	106000	1	04/27/2025 00:26	WG2500788
Thallium	U		547	2110	1	04/27/2025 00:26	WG2500788
Vanadium	20700		404	2110	1	04/27/2025 00:26	WG2500788

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	U	C3	40.6	55.6	1	04/26/2025 19:39	WG2500829
Acrylonitrile	U	C3	4.01	13.9	1	04/26/2025 19:39	WG2500829
Bromobenzene	U		1.00	13.9	1	04/26/2025 19:39	WG2500829
Bromodichloromethane	U		0.806	2.78	1	04/26/2025 19:39	WG2500829
Bromoform	U		1.30	27.8	1	04/26/2025 19:39	WG2500829
Bromomethane	U	C3	2.19	13.9	1	04/26/2025 19:39	WG2500829

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	U		5.83	13.9	1	04/26/2025 19:39	WG2500829
sec-Butylbenzene	U		3.20	13.9	1	04/26/2025 19:39	WG2500829
tert-Butylbenzene	U		2.17	5.56	1	04/26/2025 19:39	WG2500829
Carbon tetrachloride	U		0.998	5.56	1	04/26/2025 19:39	WG2500829
Chlorobenzene	U		0.233	2.78	1	04/26/2025 19:39	WG2500829
Chlorodibromomethane	U		0.680	2.78	1	04/26/2025 19:39	WG2500829
Chloroethane	U		1.89	5.56	1	04/26/2025 19:39	WG2500829
Chloroform	U		1.14	2.78	1	04/26/2025 19:39	WG2500829
Chloromethane	U	C3	4.83	13.9	1	04/26/2025 19:39	WG2500829
2-Chlorotoluene	U		0.961	2.78	1	04/26/2025 19:39	WG2500829
4-Chlorotoluene	U		0.500	5.56	1	04/26/2025 19:39	WG2500829
1,2-Dibromo-3-Chloropropane	U		4.33	27.8	1	04/26/2025 19:39	WG2500829
1,2-Dibromoethane	U		0.720	2.78	1	04/26/2025 19:39	WG2500829
Dibromomethane	U		0.834	5.56	1	04/26/2025 19:39	WG2500829
1,2-Dichlorobenzene	U		0.472	5.56	1	04/26/2025 19:39	WG2500829
1,3-Dichlorobenzene	U		0.667	5.56	1	04/26/2025 19:39	WG2500829
1,4-Dichlorobenzene	U		0.778	5.56	1	04/26/2025 19:39	WG2500829
Dichlorodifluoromethane	U		1.79	5.56	1	04/26/2025 19:39	WG2500829
1,1-Dichloroethane	U	C3	0.546	2.78	1	04/26/2025 19:39	WG2500829
1,2-Dichloroethane	U	C3	0.721	2.78	1	04/26/2025 19:39	WG2500829
1,1-Dichloroethene	U	C3	0.673	2.78	1	04/26/2025 19:39	WG2500829
cis-1,2-Dichloroethene	U		0.816	2.78	1	04/26/2025 19:39	WG2500829
trans-1,2-Dichloroethene	U		1.16	5.56	1	04/26/2025 19:39	WG2500829
1,2-Dichloropropane	U		1.58	5.56	1	04/26/2025 19:39	WG2500829
1,1-Dichloropropene	U		0.899	2.78	1	04/26/2025 19:39	WG2500829
1,3-Dichloropropane	U		0.557	5.56	1	04/26/2025 19:39	WG2500829
cis-1,3-Dichloropropene	U		0.841	2.78	1	04/26/2025 19:39	WG2500829
trans-1,3-Dichloropropene	U		1.27	5.56	1	04/26/2025 19:39	WG2500829
2,2-Dichloropropane	U		1.53	2.78	1	04/26/2025 19:39	WG2500829
Di-isopropyl ether	U	C3	0.456	1.11	1	04/26/2025 19:39	WG2500829
Hexachloro-1,3-butadiene	U		6.67	27.8	1	04/26/2025 19:39	WG2500829
Isopropylbenzene	U		0.472	2.78	1	04/26/2025 19:39	WG2500829
p-Isopropyltoluene	U		2.83	5.56	1	04/26/2025 19:39	WG2500829
2-Butanone (MEK)	U	C3	70.6	111	1	04/26/2025 19:39	WG2500829
Methylene Chloride	U		7.38	27.8	1	04/26/2025 19:39	WG2500829
4-Methyl-2-pentanone (MIBK)	U		2.53	27.8	1	04/26/2025 19:39	WG2500829
Methyl tert-butyl ether	U		0.389	1.11	1	04/26/2025 19:39	WG2500829
n-Propylbenzene	U		1.06	5.56	1	04/26/2025 19:39	WG2500829
Styrene	U		0.255	13.9	1	04/26/2025 19:39	WG2500829
1,1,1,2-Tetrachloroethane	U		1.05	2.78	1	04/26/2025 19:39	WG2500829
1,1,2,2-Tetrachloroethane	U		0.772	2.78	1	04/26/2025 19:39	WG2500829
1,1,2-Trichlorotrifluoroethane	U		0.838	2.78	1	04/26/2025 19:39	WG2500829
Tetrachloroethene	U		0.996	2.78	1	04/26/2025 19:39	WG2500829
1,2,3-Trichlorobenzene	U		8.15	13.9	1	04/26/2025 19:39	WG2500829
1,2,4-Trichlorobenzene	U		4.89	13.9	1	04/26/2025 19:39	WG2500829
1,1,1-Trichloroethane	U		1.03	2.78	1	04/26/2025 19:39	WG2500829
1,1,2-Trichloroethane	U		0.663	2.78	1	04/26/2025 19:39	WG2500829
Trichloroethene	U		0.649	1.11	1	04/26/2025 19:39	WG2500829
Trichlorofluoromethane	U		0.919	2.78	1	04/26/2025 19:39	WG2500829
1,2,3-Trichloropropane	U		1.80	13.9	1	04/26/2025 19:39	WG2500829
1,2,3-Trimethylbenzene	U		1.76	5.56	1	04/26/2025 19:39	WG2500829
Vinyl chloride	U	C3	1.29	2.78	1	04/26/2025 19:39	WG2500829
(S) Toluene-d8	*111*			*75.0-131*		*04/26/2025 19:39*	WG2500829
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*		*04/26/2025 19:39*	WG2500829
(S) 1,2-Dichloroethane-d4	*81.9*			*70.0-130*		*04/26/2025 19:39*	WG2500829

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	U		4.95	35.2	1	04/26/2025 21:54	WG2500782
Benzidine	U	C7	66.1	1760	1	04/26/2025 21:54	WG2500782
Benzo(g,h,i)perylene	U		6.43	35.2	1	04/26/2025 21:54	WG2500782
Bis(2-chlorethoxy)methane	U		10.6	352	1	04/26/2025 21:54	WG2500782
Bis(2-chloroethyl)ether	U		11.6	352	1	04/26/2025 21:54	WG2500782
2,2-Oxybis(1-Chloropropane)	U	C3	15.2	352	1	04/26/2025 21:54	WG2500782
4-Bromophenyl-phenylether	U		12.4	352	1	04/26/2025 21:54	WG2500782
2-Chloronaphthalene	U		6.18	35.2	1	04/26/2025 21:54	WG2500782
4-Chlorophenyl-phenylether	U		12.2	352	1	04/26/2025 21:54	WG2500782
1,2-Dichlorobenzene	U		10.4	352	1	04/26/2025 21:54	WG2500782
1,3-Dichlorobenzene	U		10.7	352	1	04/26/2025 21:54	WG2500782
1,4-Dichlorobenzene	U		10.5	352	1	04/26/2025 21:54	WG2500782
3,3-Dichlorobenzidine	U		13.0	352	1	04/26/2025 21:54	WG2500782
2,4-Dinitrotoluene	U		10.1	352	1	04/26/2025 21:54	WG2500782
2,6-Dinitrotoluene	U		11.5	352	1	04/26/2025 21:54	WG2500782
Hexachlorobenzene	U		12.5	352	1	04/26/2025 21:54	WG2500782
Hexachloro-1,3-butadiene	U		11.8	352	1	04/26/2025 21:54	WG2500782
Hexachlorocyclopentadiene	U	C3 C7	18.5	352	1	04/26/2025 21:54	WG2500782
Hexachloroethane	U		13.8	352	1	04/26/2025 21:54	WG2500782
Isophorone	U		10.8	352	1	04/26/2025 21:54	WG2500782
Nitrobenzene	U		12.2	352	1	04/26/2025 21:54	WG2500782
n-Nitrosodimethylamine	U		52.2	352	1	04/26/2025 21:54	WG2500782
n-Nitrosodiphenylamine	U		26.6	352	1	04/26/2025 21:54	WG2500782
n-Nitrosodi-n-propylamine	U		11.7	352	1	04/26/2025 21:54	WG2500782
Phenanthrene	U		6.98	35.2	1	04/26/2025 21:54	WG2500782
Benzylbutyl phthalate	U		11.0	352	1	04/26/2025 21:54	WG2500782
Bis(2-ethylhexyl)phthalate	U		44.5	352	1	04/26/2025 21:54	WG2500782
Di-n-butyl phthalate	U		12.0	352	1	04/26/2025 21:54	WG2500782
Diethyl phthalate	U		11.6	352	1	04/26/2025 21:54	WG2500782
Dimethyl phthalate	U		74.5	352	1	04/26/2025 21:54	WG2500782
Di-n-octyl phthalate	U		23.8	352	1	04/26/2025 21:54	WG2500782
1,2,4-Trichlorobenzene	U		11.0	352	1	04/26/2025 21:54	WG2500782
4-Chloro-3-methylphenol	U		11.4	352	1	04/26/2025 21:54	WG2500782
2-Chlorophenol	U		11.6	352	1	04/26/2025 21:54	WG2500782
2,4-Dichlorophenol	U		10.2	352	1	04/26/2025 21:54	WG2500782
2,4-Dimethylphenol	U	C3	9.18	352	1	04/26/2025 21:54	WG2500782
4,6-Dinitro-2-methylphenol	U		79.7	352	1	04/26/2025 21:54	WG2500782
2,4-Dinitrophenol	U		82.2	352	1	04/26/2025 21:54	WG2500782
2-Nitrophenol	U		12.6	352	1	04/26/2025 21:54	WG2500782
4-Nitrophenol	U		11.0	352	1	04/26/2025 21:54	WG2500782
Pentachlorophenol	U		9.46	352	1	04/26/2025 21:54	WG2500782
Phenol	U		14.1	352	1	04/26/2025 21:54	WG2500782
2,4,6-Trichlorophenol	U		11.3	352	1	04/26/2025 21:54	WG2500782
(S) 2-Fluorophenol	*85.6*			*12.0-120*		*04/26/2025 21:54*	WG2500782
(S) Phenol-d5	*80.3*			*10.0-120*		*04/26/2025 21:54*	WG2500782
(S) Nitrobenzene-d5	*80.1*			*10.0-122*		*04/26/2025 21:54*	WG2500782
(S) 2-Fluorobiphenyl	*89.0*			*15.0-120*		*04/26/2025 21:54*	WG2500782
(S) 2,4,6-Tribromophenol	*120*			*10.0-127*		*04/26/2025 21:54*	WG2500782
(S) p-Terphenyl-d14	*86.5*			*10.0-120*		*04/26/2025 21:54*	WG2500782

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1280000		637	21000	1	04/28/2025 00:25	WG2500834

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.1		1	04/26/2025 15:48	WG2500737

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	34400		7560	10500	1	04/27/2025 20:10	WG2500940

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1270000		160000	210000	10	04/28/2025 00:25	WG2501020

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	12500	J	637	21000	1	04/27/2025 00:50	WG2500834

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	17700000		128000	500000	5	04/27/2025 15:51	WG2500870

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	7620000		6390	21000	1	04/27/2025 00:28	WG2500788
Antimony	U		726	2100	1	04/27/2025 00:28	WG2500788
Beryllium	454		50.1	210	1	04/27/2025 00:28	WG2500788
Calcium	6840000		20000	105000	1	04/27/2025 00:28	WG2500788
Cobalt	3350		186	1050	1	04/27/2025 00:28	WG2500788
Iron	9600000		2350	10500	1	04/27/2025 00:28	WG2500788
Magnesium	2230000		20900	105000	1	04/27/2025 00:28	WG2500788
Manganese	198000		182	1050	1	04/27/2025 00:28	WG2500788
Potassium	2040000		22000	105000	1	04/27/2025 00:28	WG2500788
Sodium	141000		43300	105000	1	04/27/2025 00:28	WG2500788
Thallium	U		544	2100	1	04/27/2025 00:28	WG2500788
Vanadium	19200		403	2100	1	04/27/2025 00:28	WG2500788

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	U	C3	40.2	55.1	1	04/26/2025 19:59	WG2500829
Acrylonitrile	U	C3	3.98	13.8	1	04/26/2025 19:59	WG2500829
Bromobenzene	U		0.992	13.8	1	04/26/2025 19:59	WG2500829
Bromodichloromethane	U		0.799	2.76	1	04/26/2025 19:59	WG2500829
Bromoform	U		1.29	27.6	1	04/26/2025 19:59	WG2500829
Bromomethane	U	C3	2.17	13.8	1	04/26/2025 19:59	WG2500829

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	U		5.79	13.8	1	04/26/2025 19:59	WG2500829
sec-Butylbenzene	U		3.17	13.8	1	04/26/2025 19:59	WG2500829
tert-Butylbenzene	U		2.15	5.51	1	04/26/2025 19:59	WG2500829
Carbon tetrachloride	U		0.990	5.51	1	04/26/2025 19:59	WG2500829
Chlorobenzene	U		0.231	2.76	1	04/26/2025 19:59	WG2500829
Chlorodibromomethane	U		0.675	2.76	1	04/26/2025 19:59	WG2500829
Chloroethane	U		1.87	5.51	1	04/26/2025 19:59	WG2500829
Chloroform	U		1.14	2.76	1	04/26/2025 19:59	WG2500829
Chloromethane	U	C3	4.79	13.8	1	04/26/2025 19:59	WG2500829
2-Chlorotoluene	U		0.953	2.76	1	04/26/2025 19:59	WG2500829
4-Chlorotoluene	U		0.496	5.51	1	04/26/2025 19:59	WG2500829
1,2-Dibromo-3-Chloropropane	U		4.30	27.6	1	04/26/2025 19:59	WG2500829
1,2-Dibromoethane	U		0.714	2.76	1	04/26/2025 19:59	WG2500829
Dibromomethane	U		0.827	5.51	1	04/26/2025 19:59	WG2500829
1,2-Dichlorobenzene	U		0.468	5.51	1	04/26/2025 19:59	WG2500829
1,3-Dichlorobenzene	U		0.661	5.51	1	04/26/2025 19:59	WG2500829
1,4-Dichlorobenzene	U		0.772	5.51	1	04/26/2025 19:59	WG2500829
Dichlorodifluoromethane	U		1.77	5.51	1	04/26/2025 19:59	WG2500829
1,1-Dichloroethane	U	C3	0.541	2.76	1	04/26/2025 19:59	WG2500829
1,2-Dichloroethane	U	C3	0.715	2.76	1	04/26/2025 19:59	WG2500829
1,1-Dichloroethene	U	C3	0.668	2.76	1	04/26/2025 19:59	WG2500829
cis-1,2-Dichloroethene	U		0.809	2.76	1	04/26/2025 19:59	WG2500829
trans-1,2-Dichloroethene	U		1.15	5.51	1	04/26/2025 19:59	WG2500829
1,2-Dichloropropane	U		1.57	5.51	1	04/26/2025 19:59	WG2500829
1,1-Dichloropropene	U		0.892	2.76	1	04/26/2025 19:59	WG2500829
1,3-Dichloropropane	U		0.552	5.51	1	04/26/2025 19:59	WG2500829
cis-1,3-Dichloropropene	U		0.834	2.76	1	04/26/2025 19:59	WG2500829
trans-1,3-Dichloropropene	U		1.26	5.51	1	04/26/2025 19:59	WG2500829
2,2-Dichloropropane	U		1.52	2.76	1	04/26/2025 19:59	WG2500829
Di-isopropyl ether	U	C3	0.452	1.10	1	04/26/2025 19:59	WG2500829
Hexachloro-1,3-butadiene	U		6.61	27.6	1	04/26/2025 19:59	WG2500829
Isopropylbenzene	U		0.468	2.76	1	04/26/2025 19:59	WG2500829
p-Isopropyltoluene	U		2.81	5.51	1	04/26/2025 19:59	WG2500829
2-Butanone (MEK)	U	C3	70.0	110	1	04/26/2025 19:59	WG2500829
Methylene Chloride	U		7.32	27.6	1	04/26/2025 19:59	WG2500829
4-Methyl-2-pentanone (MIBK)	U		2.51	27.6	1	04/26/2025 19:59	WG2500829
Methyl tert-butyl ether	U		0.386	1.10	1	04/26/2025 19:59	WG2500829
n-Propylbenzene	U		1.05	5.51	1	04/26/2025 19:59	WG2500829
Styrene	U		0.252	13.8	1	04/26/2025 19:59	WG2500829
1,1,1,2-Tetrachloroethane	U		1.04	2.76	1	04/26/2025 19:59	WG2500829
1,1,2,2-Tetrachloroethane	U		0.766	2.76	1	04/26/2025 19:59	WG2500829
1,1,2-Trichlorotrifluoroethane	U		0.831	2.76	1	04/26/2025 19:59	WG2500829
Tetrachloroethene	U		0.988	2.76	1	04/26/2025 19:59	WG2500829
1,2,3-Trichlorobenzene	U		8.08	13.8	1	04/26/2025 19:59	WG2500829
1,2,4-Trichlorobenzene	U		4.85	13.8	1	04/26/2025 19:59	WG2500829
1,1,1-Trichloroethane	U		1.02	2.76	1	04/26/2025 19:59	WG2500829
1,1,2-Trichloroethane	U		0.658	2.76	1	04/26/2025 19:59	WG2500829
Trichloroethene	U		0.644	1.10	1	04/26/2025 19:59	WG2500829
Trichlorofluoromethane	U		0.911	2.76	1	04/26/2025 19:59	WG2500829
1,2,3-Trichloropropane	U		1.79	13.8	1	04/26/2025 19:59	WG2500829
1,2,3-Trimethylbenzene	U		1.74	5.51	1	04/26/2025 19:59	WG2500829
Vinyl chloride	U	C3	1.28	2.76	1	04/26/2025 19:59	WG2500829
(S) Toluene-d8	*112*			*75.0-131*		*04/26/2025 19:59*	WG2500829
(S) 4-Bromofluorobenzene	*96.8*			*67.0-138*		*04/26/2025 19:59*	WG2500829
(S) 1,2-Dichloroethane-d4	*83.4*			*70.0-130*		*04/26/2025 19:59*	WG2500829

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	U		9.86	70.0	2	04/27/2025 03:17	WG2500782
Benzidine	U	C7	131	3510	2	04/27/2025 03:17	WG2500782
Benzo(g,h,i)perylene	U		12.8	70.0	2	04/27/2025 03:17	WG2500782
Bis(2-chlorethoxy)methane	U		21.0	700	2	04/27/2025 03:17	WG2500782
Bis(2-chloroethyl)ether	U		23.1	700	2	04/27/2025 03:17	WG2500782
2,2-Oxybis(1-Chloropropane)	U	C3	30.3	700	2	04/27/2025 03:17	WG2500782
4-Bromophenyl-phenylether	U		24.6	700	2	04/27/2025 03:17	WG2500782
2-Chloronaphthalene	U		12.3	70.0	2	04/27/2025 03:17	WG2500782
4-Chlorophenyl-phenylether	U		24.4	700	2	04/27/2025 03:17	WG2500782
1,2-Dichlorobenzene	U		20.7	700	2	04/27/2025 03:17	WG2500782
1,3-Dichlorobenzene	U		21.2	700	2	04/27/2025 03:17	WG2500782
1,4-Dichlorobenzene	U		20.8	700	2	04/27/2025 03:17	WG2500782
3,3-Dichlorobenzidine	U		25.9	700	2	04/27/2025 03:17	WG2500782
2,4-Dinitrotoluene	U		20.1	700	2	04/27/2025 03:17	WG2500782
2,6-Dinitrotoluene	U		22.9	700	2	04/27/2025 03:17	WG2500782
Hexachlorobenzene	U		24.8	700	2	04/27/2025 03:17	WG2500782
Hexachloro-1,3-butadiene	U		23.5	700	2	04/27/2025 03:17	WG2500782
Hexachlorocyclopentadiene	U	C3 C7	36.8	700	2	04/27/2025 03:17	WG2500782
Hexachloroethane	U		27.5	700	2	04/27/2025 03:17	WG2500782
Isophorone	U		21.4	700	2	04/27/2025 03:17	WG2500782
Nitrobenzene	U		24.4	700	2	04/27/2025 03:17	WG2500782
n-Nitrosodimethylamine	U		104	700	2	04/27/2025 03:17	WG2500782
n-Nitrosodiphenylamine	U		53.0	700	2	04/27/2025 03:17	WG2500782
n-Nitrosodi-n-propylamine	U		23.3	700	2	04/27/2025 03:17	WG2500782
Phenanthrene	U		13.9	70.0	2	04/27/2025 03:17	WG2500782
Benzylbutyl phthalate	U		21.9	700	2	04/27/2025 03:17	WG2500782
Bis(2-ethylhexyl)phthalate	U		88.7	700	2	04/27/2025 03:17	WG2500782
Di-n-butyl phthalate	U		24.0	700	2	04/27/2025 03:17	WG2500782
Diethyl phthalate	U		23.1	700	2	04/27/2025 03:17	WG2500782
Dimethyl phthalate	U		148	700	2	04/27/2025 03:17	WG2500782
Di-n-octyl phthalate	U		47.3	700	2	04/27/2025 03:17	WG2500782
1,2,4-Trichlorobenzene	U		21.9	700	2	04/27/2025 03:17	WG2500782
4-Chloro-3-methylphenol	U		22.7	700	2	04/27/2025 03:17	WG2500782
2-Chlorophenol	U		23.1	700	2	04/27/2025 03:17	WG2500782
2,4-Dichlorophenol	U		20.4	700	2	04/27/2025 03:17	WG2500782
2,4-Dimethylphenol	U	C3	18.3	700	2	04/27/2025 03:17	WG2500782
4,6-Dinitro-2-methylphenol	U		159	700	2	04/27/2025 03:17	WG2500782
2,4-Dinitrophenol	U		164	700	2	04/27/2025 03:17	WG2500782
2-Nitrophenol	U		25.0	700	2	04/27/2025 03:17	WG2500782
4-Nitrophenol	U		21.9	700	2	04/27/2025 03:17	WG2500782
Pentachlorophenol	U		18.8	700	2	04/27/2025 03:17	WG2500782
Phenol	U		28.2	700	2	04/27/2025 03:17	WG2500782
2,4,6-Trichlorophenol	U		22.5	700	2	04/27/2025 03:17	WG2500782
(S) 2-Fluorophenol	*63.9*			*12.0-120*		*04/27/2025 03:17*	WG2500782
(S) Phenol-d5	*60.9*			*10.0-120*		*04/27/2025 03:17*	WG2500782
(S) Nitrobenzene-d5	*71.6*			*10.0-122*		*04/27/2025 03:17*	WG2500782
(S) 2-Fluorobiphenyl	*69.1*			*15.0-120*		*04/27/2025 03:17*	WG2500782
(S) 2,4,6-Tribromophenol	*103*			*10.0-127*		*04/27/2025 03:17*	WG2500782
(S) p-Terphenyl-d14	*76.6*			*10.0-120*		*04/27/2025 03:17*	WG2500782

Sample Narrative:

L1852114-04 WG2500782: Dilution due to matrix impact during extract concentration procedure.

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1360000		660	21800	1	04/28/2025 00:26	WG2500834

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.8		1	04/26/2025 15:48	WG2500737

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	U		7830	10900	1	04/27/2025 20:11	WG2500940

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1340000		166000	218000	10	04/28/2025 00:26	WG2501020

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	24300		660	21800	1	04/27/2025 01:06	WG2500834

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	MDL ug/kg	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	18800000		128000	500000	5	04/27/2025 15:52	WG2500870

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	7240000		6620	21800	1	04/27/2025 00:50	WG2500788
Antimony	U		753	2180	1	04/27/2025 00:50	WG2500788
Beryllium	578		51.9	218	1	04/27/2025 00:50	WG2500788
Calcium	3850000		20700	109000	1	04/27/2025 00:50	WG2500788
Cobalt	4430		193	1090	1	04/27/2025 00:50	WG2500788
Iron	9950000		2440	10900	1	04/27/2025 00:50	WG2500788
Magnesium	2390000		21700	109000	1	04/27/2025 00:50	WG2500788
Manganese	249000		188	1090	1	04/27/2025 00:50	WG2500788
Potassium	2150000		22800	109000	1	04/27/2025 00:50	WG2500788
Sodium	171000		44900	109000	1	04/27/2025 00:50	WG2500788
Thallium	U		564	2180	1	04/27/2025 00:50	WG2500788
Vanadium	17500		417	2180	1	04/27/2025 00:50	WG2500788

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	U	C3	43.0	58.9	1	04/26/2025 20:19	WG2500829
Acrylonitrile	U	C3	4.25	14.7	1	04/26/2025 20:19	WG2500829
Bromobenzene	U		1.06	14.7	1	04/26/2025 20:19	WG2500829
Bromodichloromethane	U		0.854	2.95	1	04/26/2025 20:19	WG2500829
Bromoform	U		1.38	29.5	1	04/26/2025 20:19	WG2500829
Bromomethane	U	C3	2.32	14.7	1	04/26/2025 20:19	WG2500829

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	U		6.19	14.7	1	04/26/2025 20:19	WG2500829
sec-Butylbenzene	U		3.39	14.7	1	04/26/2025 20:19	WG2500829
tert-Butylbenzene	U		2.30	5.89	1	04/26/2025 20:19	WG2500829
Carbon tetrachloride	U		1.06	5.89	1	04/26/2025 20:19	WG2500829
Chlorobenzene	U		0.247	2.95	1	04/26/2025 20:19	WG2500829
Chlorodibromomethane	U		0.721	2.95	1	04/26/2025 20:19	WG2500829
Chloroethane	U		2.00	5.89	1	04/26/2025 20:19	WG2500829
Chloroform	U		1.21	2.95	1	04/26/2025 20:19	WG2500829
Chloromethane	U	C3	5.13	14.7	1	04/26/2025 20:19	WG2500829
2-Chlorotoluene	U		1.02	2.95	1	04/26/2025 20:19	WG2500829
4-Chlorotoluene	U		0.530	5.89	1	04/26/2025 20:19	WG2500829
1,2-Dibromo-3-Chloropropane	U		4.60	29.5	1	04/26/2025 20:19	WG2500829
1,2-Dibromoethane	U		0.764	2.95	1	04/26/2025 20:19	WG2500829
Dibromomethane	U		0.884	5.89	1	04/26/2025 20:19	WG2500829
1,2-Dichlorobenzene	U		0.501	5.89	1	04/26/2025 20:19	WG2500829
1,3-Dichlorobenzene	U		0.707	5.89	1	04/26/2025 20:19	WG2500829
1,4-Dichlorobenzene	U		0.825	5.89	1	04/26/2025 20:19	WG2500829
Dichlorodifluoromethane	U		1.90	5.89	1	04/26/2025 20:19	WG2500829
1,1-Dichloroethane	U	C3	0.579	2.95	1	04/26/2025 20:19	WG2500829
1,2-Dichloroethane	U	C3	0.765	2.95	1	04/26/2025 20:19	WG2500829
1,1-Dichloroethene	U	C3	0.714	2.95	1	04/26/2025 20:19	WG2500829
cis-1,2-Dichloroethene	U		0.865	2.95	1	04/26/2025 20:19	WG2500829
trans-1,2-Dichloroethene	U		1.23	5.89	1	04/26/2025 20:19	WG2500829
1,2-Dichloropropane	U		1.67	5.89	1	04/26/2025 20:19	WG2500829
1,1-Dichloropropene	U		0.953	2.95	1	04/26/2025 20:19	WG2500829
1,3-Dichloropropane	U		0.590	5.89	1	04/26/2025 20:19	WG2500829
cis-1,3-Dichloropropene	U		0.892	2.95	1	04/26/2025 20:19	WG2500829
trans-1,3-Dichloropropene	U		1.34	5.89	1	04/26/2025 20:19	WG2500829
2,2-Dichloropropane	U		1.63	2.95	1	04/26/2025 20:19	WG2500829
Di-isopropyl ether	U	C3	0.483	1.18	1	04/26/2025 20:19	WG2500829
Hexachloro-1,3-butadiene	U		7.07	29.5	1	04/26/2025 20:19	WG2500829
Isopropylbenzene	U		0.501	2.95	1	04/26/2025 20:19	WG2500829
p-Isopropyltoluene	U		3.00	5.89	1	04/26/2025 20:19	WG2500829
2-Butanone (MEK)	U	C3	74.8	118	1	04/26/2025 20:19	WG2500829
Methylene Chloride	U		7.82	29.5	1	04/26/2025 20:19	WG2500829
4-Methyl-2-pentanone (MIBK)	U		2.69	29.5	1	04/26/2025 20:19	WG2500829
Methyl tert-butyl ether	U		0.412	1.18	1	04/26/2025 20:19	WG2500829
n-Propylbenzene	U		1.12	5.89	1	04/26/2025 20:19	WG2500829
Styrene	U		0.270	14.7	1	04/26/2025 20:19	WG2500829
1,1,1,2-Tetrachloroethane	U		1.12	2.95	1	04/26/2025 20:19	WG2500829
1,1,2,2-Tetrachloroethane	U		0.819	2.95	1	04/26/2025 20:19	WG2500829
1,1,2-Trichlorotrifluoroethane	U		0.888	2.95	1	04/26/2025 20:19	WG2500829
Tetrachloroethene	U		1.06	2.95	1	04/26/2025 20:19	WG2500829
1,2,3-Trichlorobenzene	U		8.64	14.7	1	04/26/2025 20:19	WG2500829
1,2,4-Trichlorobenzene	U		5.18	14.7	1	04/26/2025 20:19	WG2500829
1,1,1-Trichloroethane	U		1.09	2.95	1	04/26/2025 20:19	WG2500829
1,1,2-Trichloroethane	U		0.703	2.95	1	04/26/2025 20:19	WG2500829
Trichloroethene	U		0.688	1.18	1	04/26/2025 20:19	WG2500829
Trichlorofluoromethane	U		0.974	2.95	1	04/26/2025 20:19	WG2500829
1,2,3-Trichloropropane	U		1.91	14.7	1	04/26/2025 20:19	WG2500829
1,2,3-Trimethylbenzene	U		1.86	5.89	1	04/26/2025 20:19	WG2500829
Vinyl chloride	U	C3	1.37	2.95	1	04/26/2025 20:19	WG2500829
(S) Toluene-d8	*110*			*75.0-131*		*04/26/2025 20:19*	WG2500829
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*		*04/26/2025 20:19*	WG2500829
(S) 1,2-Dichloroethane-d4	*83.3*			*70.0-130*		*04/26/2025 20:19*	WG2500829

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

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	U		5.11	36.3	1	04/26/2025 22:34	WG2500782
Benzidine	U	C7 J6	68.2	1820	1	04/26/2025 22:34	WG2500782
Benzo(g,h,i)perylene	U		6.63	36.3	1	04/26/2025 22:34	WG2500782
Bis(2-chlorethoxy)methane	U		10.9	363	1	04/26/2025 22:34	WG2500782
Bis(2-chloroethyl)ether	U		12.0	363	1	04/26/2025 22:34	WG2500782
2,2-Oxybis(1-Chloropropane)	U	C3	15.7	363	1	04/26/2025 22:34	WG2500782
4-Bromophenyl-phenylether	U		12.7	363	1	04/26/2025 22:34	WG2500782
2-Chloronaphthalene	U		6.37	36.3	1	04/26/2025 22:34	WG2500782
4-Chlorophenyl-phenylether	U		12.6	363	1	04/26/2025 22:34	WG2500782
1,2-Dichlorobenzene	U		10.7	363	1	04/26/2025 22:34	WG2500782
1,3-Dichlorobenzene	U		11.0	363	1	04/26/2025 22:34	WG2500782
1,4-Dichlorobenzene	U		10.8	363	1	04/26/2025 22:34	WG2500782
3,3-Dichlorobenzidine	U		13.4	363	1	04/26/2025 22:34	WG2500782
2,4-Dinitrotoluene	U		10.4	363	1	04/26/2025 22:34	WG2500782
2,6-Dinitrotoluene	U		11.9	363	1	04/26/2025 22:34	WG2500782
Hexachlorobenzene	U		12.9	363	1	04/26/2025 22:34	WG2500782
Hexachloro-1,3-butadiene	U		12.2	363	1	04/26/2025 22:34	WG2500782
Hexachlorocyclopentadiene	U	C3 C7	19.1	363	1	04/26/2025 22:34	WG2500782
Hexachloroethane	U		14.3	363	1	04/26/2025 22:34	WG2500782
Isophorone	U		11.1	363	1	04/26/2025 22:34	WG2500782
Nitrobenzene	U		12.6	363	1	04/26/2025 22:34	WG2500782
n-Nitrosodimethylamine	U		53.8	363	1	04/26/2025 22:34	WG2500782
n-Nitrosodiphenylamine	U		27.4	363	1	04/26/2025 22:34	WG2500782
n-Nitrosodi-n-propylamine	U		12.1	363	1	04/26/2025 22:34	WG2500782
Phenanthrene	U		7.20	36.3	1	04/26/2025 22:34	WG2500782
Benzylbutyl phthalate	U		11.3	363	1	04/26/2025 22:34	WG2500782
Bis(2-ethylhexyl)phthalate	U		46.0	363	1	04/26/2025 22:34	WG2500782
Di-n-butyl phthalate	U		12.4	363	1	04/26/2025 22:34	WG2500782
Diethyl phthalate	U		12.0	363	1	04/26/2025 22:34	WG2500782
Dimethyl phthalate	U		76.9	363	1	04/26/2025 22:34	WG2500782
Di-n-octyl phthalate	U		24.5	363	1	04/26/2025 22:34	WG2500782
1,2,4-Trichlorobenzene	U		11.3	363	1	04/26/2025 22:34	WG2500782
4-Chloro-3-methylphenol	U		11.8	363	1	04/26/2025 22:34	WG2500782
2-Chlorophenol	U		12.0	363	1	04/26/2025 22:34	WG2500782
2,4-Dichlorophenol	U		10.6	363	1	04/26/2025 22:34	WG2500782
2,4-Dimethylphenol	U	C3	9.47	363	1	04/26/2025 22:34	WG2500782
4,6-Dinitro-2-methylphenol	U		82.2	363	1	04/26/2025 22:34	WG2500782
2,4-Dinitrophenol	U		84.8	363	1	04/26/2025 22:34	WG2500782
2-Nitrophenol	U		13.0	363	1	04/26/2025 22:34	WG2500782
4-Nitrophenol	U		11.3	363	1	04/26/2025 22:34	WG2500782
Pentachlorophenol	U		9.76	363	1	04/26/2025 22:34	WG2500782
Phenol	U		14.6	363	1	04/26/2025 22:34	WG2500782
2,4,6-Trichlorophenol	U		11.7	363	1	04/26/2025 22:34	WG2500782
(S) 2-Fluorophenol	*71.2*			*12.0-120*		*04/26/2025 22:34*	WG2500782
(S) Phenol-d5	*66.8*			*10.0-120*		*04/26/2025 22:34*	WG2500782
(S) Nitrobenzene-d5	*68.6*			*10.0-122*		*04/26/2025 22:34*	WG2500782
(S) 2-Fluorobiphenyl	*73.5*			*15.0-120*		*04/26/2025 22:34*	WG2500782
(S) 2,4,6-Tribromophenol	*106*			*10.0-127*		*04/26/2025 22:34*	WG2500782
(S) p-Terphenyl-d14	*72.0*			*10.0-120*		*04/26/2025 22:34*	WG2500782

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	04/26/2025 17:00	WG2500597
Acrolein	U		2.54	50.0	1	04/26/2025 17:00	WG2500597
Acrylonitrile	U		0.671	10.0	1	04/26/2025 17:00	WG2500597
Benzene	U		0.0941	1.00	1	04/26/2025 17:00	WG2500597
Bromobenzene	U		0.118	1.00	1	04/26/2025 17:00	WG2500597
Bromodichloromethane	U		0.136	1.00	1	04/26/2025 17:00	WG2500597
Bromoform	U	C3	0.129	1.00	1	04/26/2025 17:00	WG2500597
Bromomethane	U		0.605	5.00	1	04/26/2025 17:00	WG2500597
n-Butylbenzene	U		0.157	1.00	1	04/26/2025 17:00	WG2500597
sec-Butylbenzene	U		0.125	1.00	1	04/26/2025 17:00	WG2500597
tert-Butylbenzene	U		0.127	1.00	1	04/26/2025 17:00	WG2500597
Carbon tetrachloride	U		0.128	1.00	1	04/26/2025 17:00	WG2500597
Chlorobenzene	U		0.116	1.00	1	04/26/2025 17:00	WG2500597
Chlorodibromomethane	U		0.140	1.00	1	04/26/2025 17:00	WG2500597
Chloroethane	U		0.192	5.00	1	04/26/2025 17:00	WG2500597
Chloroform	U		0.111	5.00	1	04/26/2025 17:00	WG2500597
Chloromethane	U		0.960	2.50	1	04/26/2025 17:00	WG2500597
2-Chlorotoluene	U		0.106	1.00	1	04/26/2025 17:00	WG2500597
4-Chlorotoluene	U		0.114	1.00	1	04/26/2025 17:00	WG2500597
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	04/26/2025 17:00	WG2500597
1,2-Dibromoethane	U		0.126	1.00	1	04/26/2025 17:00	WG2500597
Dibromomethane	U		0.122	1.00	1	04/26/2025 17:00	WG2500597
1,2-Dichlorobenzene	U		0.107	1.00	1	04/26/2025 17:00	WG2500597
1,3-Dichlorobenzene	U		0.110	1.00	1	04/26/2025 17:00	WG2500597
1,4-Dichlorobenzene	U		0.120	1.00	1	04/26/2025 17:00	WG2500597
Dichlorodifluoromethane	U		0.374	5.00	1	04/26/2025 17:00	WG2500597
1,1-Dichloroethane	U		0.100	1.00	1	04/26/2025 17:00	WG2500597
1,2-Dichloroethane	U		0.0819	1.00	1	04/26/2025 17:00	WG2500597
1,1-Dichloroethene	U		0.188	1.00	1	04/26/2025 17:00	WG2500597
cis-1,2-Dichloroethene	U		0.126	1.00	1	04/26/2025 17:00	WG2500597
trans-1,2-Dichloroethene	U		0.149	1.00	1	04/26/2025 17:00	WG2500597
1,2-Dichloropropane	U		0.149	1.00	1	04/26/2025 17:00	WG2500597
1,1-Dichloropropene	U		0.142	1.00	1	04/26/2025 17:00	WG2500597
1,3-Dichloropropane	U		0.110	1.00	1	04/26/2025 17:00	WG2500597
cis-1,3-Dichloropropene	U		0.111	1.00	1	04/26/2025 17:00	WG2500597
trans-1,3-Dichloropropene	U		0.118	1.00	1	04/26/2025 17:00	WG2500597
2,2-Dichloropropane	U		0.161	1.00	1	04/26/2025 17:00	WG2500597
Di-isopropyl ether	U		0.105	1.00	1	04/26/2025 17:00	WG2500597
Ethylbenzene	U		0.137	1.00	1	04/26/2025 17:00	WG2500597
Hexachloro-1,3-butadiene	U	J3	0.337	1.00	1	04/26/2025 17:00	WG2500597
Isopropylbenzene	U		0.105	1.00	1	04/26/2025 17:00	WG2500597
p-Isopropyltoluene	U		0.120	1.00	1	04/26/2025 17:00	WG2500597
2-Butanone (MEK)	U		1.19	10.0	1	04/26/2025 17:00	WG2500597
Methylene Chloride	U	C3 J4	0.430	5.00	1	04/26/2025 17:00	WG2500597
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	04/26/2025 17:00	WG2500597
Methyl tert-butyl ether	U		0.101	1.00	1	04/26/2025 17:00	WG2500597
Naphthalene	U	C3 J3	1.00	5.00	1	04/26/2025 17:00	WG2500597
n-Propylbenzene	U		0.0993	1.00	1	04/26/2025 17:00	WG2500597
Styrene	U		0.118	1.00	1	04/26/2025 17:00	WG2500597
1,1,1,2-Tetrachloroethane	U	C3	0.147	1.00	1	04/26/2025 17:00	WG2500597
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	04/26/2025 17:00	WG2500597
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	04/26/2025 17:00	WG2500597
Tetrachloroethene	U		0.300	1.00	1	04/26/2025 17:00	WG2500597
Toluene	U		0.278	1.00	1	04/26/2025 17:00	WG2500597
1,2,3-Trichlorobenzene	U	C3 J3	0.230	1.00	1	04/26/2025 17:00	WG2500597
1,2,4-Trichlorobenzene	U	C3 J3	0.481	1.00	1	04/26/2025 17:00	WG2500597

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	04/26/2025 17:00	WG2500597
1,1,2-Trichloroethane	U		0.158	1.00	1	04/26/2025 17:00	WG2500597
Trichloroethene	U		0.190	1.00	1	04/26/2025 17:00	WG2500597
Trichlorofluoromethane	U		0.160	5.00	1	04/26/2025 17:00	WG2500597
1,2,3-Trichloropropane	U		0.237	2.50	1	04/26/2025 17:00	WG2500597
1,2,4-Trimethylbenzene	U		0.322	1.00	1	04/26/2025 17:00	WG2500597
1,2,3-Trimethylbenzene	U		0.104	1.00	1	04/26/2025 17:00	WG2500597
1,3,5-Trimethylbenzene	U		0.104	1.00	1	04/26/2025 17:00	WG2500597
Vinyl chloride	U		0.234	1.00	1	04/26/2025 17:00	WG2500597
Xylenes, Total	U		0.174	3.00	1	04/26/2025 17:00	WG2500597
(S) Toluene-d8	*94.7*			*80.0-120*		*04/26/2025 17:00*	WG2500597
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*04/26/2025 17:00*	WG2500597
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*04/26/2025 17:00*	WG2500597

Method Blank (MB)

(MB) R4205785-1 04/26/25 15:48

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

L1852114-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1852114-01 04/26/25 15:48 • (DUP) R4205785-3 04/26/25 15:48

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.9	94.7	1	0.183		10

Laboratory Control Sample (LCS)

(LCS) R4205785-2 04/26/25 15:48

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) R4205981-1 04/27/25 20:02

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

L1852121-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1852121-03 04/27/25 20:22 • (DUP) R4205981-3 04/27/25 20:23

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

L1852177-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1852177-06 04/27/25 20:47 • (DUP) R4205981-6 04/27/25 20:49

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

Laboratory Control Sample (LCS)

(LCS) R4205981-2 04/27/25 20:04

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	250000	263000	105	90.0-110	

L1852121-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1852121-03 04/27/25 20:22 • (MS) R4205981-4 04/27/25 20:25 • (MSD) R4205981-5 04/27/25 20:26

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	268000	U	278000	292000	104	110	1	90.0-110			5.07	20

QUALITY CONTROL SUMMARY

L1852114-01,02,03,04,05

Method Blank (MB)

(MB) R4206030-1 04/28/25 00:15

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

L1852114-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1852114-02 04/28/25 00:20 • (DUP) R4206030-4 04/28/25 00:21

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	1060000	1130000	10	6.08		20

L1852114-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1852114-03 04/28/25 00:23 • (DUP) R4206030-5 04/28/25 00:24

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	1180000	952000	10	21.5	J3	20

Laboratory Control Sample (LCS)

(LCS) R4206030-2 04/28/25 00:16

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	240000	254000	106	81.7-124	

L1852114-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1852114-01 04/28/25 00:18 • (MS) R4206030-3 04/28/25 00:19

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Kjeldahl Nitrogen, TKN	422000	3640000	4470000	196	10	81.7-124	V

L1852121-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1852121-03 04/28/25 00:46 • (MS) R4206030-6 04/28/25 00:47 • (MSD) R4206030-7 04/28/25 00:48

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	%	%		%			%	%
Kjeldahl Nitrogen, TKN	428000	815000	987000	1050000	40.0	55.7	10	81.7-124	J6	J6	6.58	20

Method Blank (MB)

(MB) R4205768-1 04/26/25 22:44

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) R4205768-2 04/26/25 23:02

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40000	40400	101	80.0-120	

L1852114-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1852114-03 04/26/25 23:57 • (MS) R4205768-3 04/27/25 00:15 • (MSD) R4205768-4 04/27/25 00:34

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 %
Nitrate-Nitrite	42200	11300	51700	61300	95.7	118	1	80.0-120		J3	16.9	15

Method Blank (MB)

(MB) R4205870-1 04/27/25 15:47

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

L1852114-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1852114-01 04/27/25 15:48 • (DUP) R4205870-3 04/27/25 15:48

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	44200000	46500000	9	5.17		20

L1852167-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1852167-04 04/27/25 15:55 • (DUP) R4205870-4 04/27/25 15:56

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	15400000	17000000	5	10.3		20

Laboratory Control Sample (LCS)

(LCS) R4205870-2 04/27/25 15:47

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC By Walkley Black	3230000	4160000	129	75.0-144	

L1852177-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1852177-06 04/27/25 15:59 • (MS) R4205870-5 04/27/25 16:02 • (MSD) R4205870-6 04/27/25 16:02

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC By Walkley Black	20000000	9850000	28400000	31000000	93.0	106	5	80.0-120			8.46	20

Method Blank (MB)

(MB) R4205752-1 04/27/25 00:08

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) R4205752-2 04/27/25 00:10

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000000	979000	97.9	80.0-120	
Antimony	100000	96400	96.4	80.0-120	
Beryllium	100000	102000	102	80.0-120	
Calcium	1000000	1020000	102	80.0-120	
Cobalt	100000	96400	96.4	80.0-120	
Iron	1000000	1030000	103	80.0-120	
Magnesium	1000000	940000	94.0	80.0-120	
Manganese	100000	104000	104	80.0-120	
Potassium	1000000	983000	98.3	80.0-120	
Sodium	1000000	1010000	101	80.0-120	
Thallium	100000	100000	100	80.0-120	
Vanadium	100000	99900	99.9	80.0-120	

L1852114-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1852114-01 04/27/25 00:12 • (MS) R4205752-5 04/27/25 00:18 • (MSD) R4205752-6 04/27/25 00:20

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 %
Aluminum	1050000	6630000	8460000	6440000	173	0.000	1	75.0-125	V	J3 V	27.1	20
Antimony	105000	U	77900	75600	73.9	71.8	1	75.0-125	J6	J6	2.91	20

L1852114-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1852114-01 04/27/25 00:12 • (MS) R4205752-5 04/27/25 00:18 • (MSD) R4205752-6 04/27/25 00:20

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	%	%		%			%	%
Beryllium	105000	444	98200	99500	92.8	94.0	1	75.0-125			1.32	20
Calcium	1050000	8560000	7850000	8470000	0.000	0.000	1	75.0-125	V	V	7.59	20
Cobalt	105000	3210	98500	99600	90.5	91.4	1	75.0-125			1.05	20
Iron	1050000	9540000	10900000	8590000	126	0.000	1	75.0-125	V	J3 V	23.4	20
Magnesium	1050000	2640000	3330000	3230000	65.4	55.9	1	75.0-125	J6	J6	3.05	20
Manganese	105000	226000	338000	290000	106	60.9	1	75.0-125		J6	15.3	20
Potassium	1050000	2640000	3420000	3140000	74.0	47.7	1	75.0-125	J6	J6	8.46	20
Sodium	1050000	101000	1070000	1130000	92.3	97.2	1	75.0-125			4.68	20
Thallium	105000	U	96300	96900	91.4	91.9	1	75.0-125			0.636	20
Vanadium	105000	16200	113000	109000	91.6	88.5	1	75.0-125			2.98	20

Method Blank (MB)

(MB) R4205685-3 04/26/25 12:28

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) R4205685-3 04/26/25 12:28

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	*98.1*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

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

(LCS) R4205685-1 04/26/25 11:22 • (LCSD) R4205685-2 04/26/25 11:44

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	26.0	25.5	104	102	19.0-160	J	J	1.94	27
Acrolein	25.0	21.6	21.1	86.4	84.4	10.0-160	J	J	2.34	26
Acrylonitrile	25.0	23.6	22.6	94.4	90.4	55.0-149			4.33	20
Benzene	5.00	4.35	4.27	87.0	85.4	70.0-123			1.86	20

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

(LCS) R4205685-1 04/26/25 11:22 • (LCSD) R4205685-2 04/26/25 11:44

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	4.41	4.54	88.2	90.8	73.0-121			2.91	20
Bromodichloromethane	5.00	4.64	4.56	92.8	91.2	75.0-120			1.74	20
Bromoform	5.00	3.87	3.96	77.4	79.2	68.0-132			2.30	20
Bromomethane	5.00	5.85	5.77	117	115	10.0-160			1.38	25
n-Butylbenzene	5.00	4.05	4.70	81.0	94.0	73.0-125			14.9	20
sec-Butylbenzene	5.00	4.27	4.69	85.4	93.8	75.0-125			9.37	20
tert-Butylbenzene	5.00	4.40	4.54	88.0	90.8	76.0-124			3.13	20
Carbon tetrachloride	5.00	4.60	4.65	92.0	93.0	68.0-126			1.08	20
Chlorobenzene	5.00	4.14	4.09	82.8	81.8	80.0-121			1.22	20
Chlorodibromomethane	5.00	4.10	4.14	82.0	82.8	77.0-125			0.971	20
Chloroethane	5.00	5.74	5.59	115	112	47.0-150			2.65	20
Chloroform	5.00	4.53	4.34	90.6	86.8	73.0-120	J	J	4.28	20
Chloromethane	5.00	5.24	5.21	105	104	41.0-142			0.574	20
2-Chlorotoluene	5.00	4.33	4.46	86.6	89.2	76.0-123			2.96	20
4-Chlorotoluene	5.00	4.41	4.48	88.2	89.6	75.0-122			1.57	20
1,2-Dibromo-3-Chloropropane	5.00	3.67	3.41	73.4	68.2	58.0-134	J	J	7.34	20
1,2-Dibromoethane	5.00	4.34	4.31	86.8	86.2	80.0-122			0.694	20
Dibromomethane	5.00	4.58	4.70	91.6	94.0	80.0-120			2.59	20
1,2-Dichlorobenzene	5.00	4.11	4.45	82.2	89.0	79.0-121			7.94	20
1,3-Dichlorobenzene	5.00	4.19	4.48	83.8	89.6	79.0-120			6.69	20
1,4-Dichlorobenzene	5.00	4.20	4.46	84.0	89.2	79.0-120			6.00	20
Dichlorodifluoromethane	5.00	5.16	4.88	103	97.6	51.0-149		J	5.58	20
1,1-Dichloroethane	5.00	4.55	4.51	91.0	90.2	70.0-126			0.883	20
1,2-Dichloroethane	5.00	4.73	4.73	94.6	94.6	70.0-128			0.000	20
1,1-Dichloroethene	5.00	4.40	4.31	88.0	86.2	71.0-124			2.07	20
cis-1,2-Dichloroethene	5.00	4.61	4.53	92.2	90.6	73.0-120			1.75	20
trans-1,2-Dichloroethene	5.00	4.58	4.52	91.6	90.4	73.0-120			1.32	20
1,2-Dichloropropane	5.00	4.47	4.51	89.4	90.2	77.0-125			0.891	20
1,1-Dichloropropene	5.00	4.68	4.66	93.6	93.2	74.0-126			0.428	20
1,3-Dichloropropane	5.00	4.23	4.18	84.6	83.6	80.0-120			1.19	20
cis-1,3-Dichloropropene	5.00	4.35	4.28	87.0	85.6	80.0-123			1.62	20
trans-1,3-Dichloropropene	5.00	4.34	4.24	86.8	84.8	78.0-124			2.33	20
2,2-Dichloropropane	5.00	4.96	4.88	99.2	97.6	58.0-130			1.63	20
Di-isopropyl ether	5.00	4.46	4.58	89.2	91.6	58.0-138			2.65	20
Ethylbenzene	5.00	4.26	4.12	85.2	82.4	79.0-123			3.34	20
Hexachloro-1,3-butadiene	5.00	4.27	5.56	85.4	111	54.0-138		J3	26.2	20
Isopropylbenzene	5.00	4.11	4.36	82.2	87.2	76.0-127			5.90	20
p-Isopropyltoluene	5.00	4.28	4.66	85.6	93.2	76.0-125			8.50	20
2-Butanone (MEK)	25.0	23.3	22.6	93.2	90.4	44.0-160			3.05	20
Methylene Chloride	5.00	2.23	2.48	44.6	49.6	67.0-120	J J4	J J4	10.6	20

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

(LCS) R4205685-1 04/26/25 11:22 • (LCSD) R4205685-2 04/26/25 11:44

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	21.2	21.0	84.8	84.0	68.0-142			0.948	20
Methyl tert-butyl ether	5.00	4.64	4.56	92.8	91.2	68.0-125			1.74	20
Naphthalene	5.00	3.62	4.57	72.4	91.4	54.0-135	J	J J3	23.2	20
n-Propylbenzene	5.00	4.30	4.50	86.0	90.0	77.0-124			4.55	20
Styrene	5.00	4.19	4.18	83.8	83.6	73.0-130			0.239	20
1,1,1,2-Tetrachloroethane	5.00	3.92	4.08	78.4	81.6	75.0-125			4.00	20
1,1,2,2-Tetrachloroethane	5.00	4.58	4.38	91.6	87.6	65.0-130			4.46	20
1,1,2-Trichlorotrifluoroethane	5.00	4.43	4.23	88.6	84.6	69.0-132			4.62	20
Tetrachloroethene	5.00	4.01	4.04	80.2	80.8	72.0-132			0.745	20
Toluene	5.00	4.04	4.00	80.8	80.0	79.0-120			0.995	20
1,2,3-Trichlorobenzene	5.00	3.72	4.83	74.4	96.6	50.0-138		J3	26.0	20
1,2,4-Trichlorobenzene	5.00	3.76	5.09	75.2	102	57.0-137		J3	30.1	20
1,1,1-Trichloroethane	5.00	4.83	4.84	96.6	96.8	73.0-124			0.207	20
1,1,2-Trichloroethane	5.00	4.15	4.05	83.0	81.0	80.0-120			2.44	20
Trichloroethene	5.00	4.57	4.58	91.4	91.6	78.0-124			0.219	20
Trichlorofluoromethane	5.00	5.64	5.31	113	106	59.0-147			6.03	20
1,2,3-Trichloropropane	5.00	4.60	4.54	92.0	90.8	73.0-130			1.31	20
1,2,4-Trimethylbenzene	5.00	4.21	4.49	84.2	89.8	76.0-121			6.44	20
1,2,3-Trimethylbenzene	5.00	4.04	4.46	80.8	89.2	77.0-120			9.88	20
1,3,5-Trimethylbenzene	5.00	4.36	4.56	87.2	91.2	76.0-122			4.48	20
Vinyl chloride	5.00	5.37	5.35	107	107	67.0-131			0.373	20
Xylenes, Total	15.0	12.6	12.7	84.0	84.7	79.0-123			0.791	20
(S) Toluene-d8				*96.8*	*94.6*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.8*	*99.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*111*	*110*	*70.0-130*				

Method Blank (MB)

(MB) R4205766-2 04/26/25 18:06

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) R4205766-2 04/26/25 18:06

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	*110*			*75.0-131*
(S) 4-Bromofluorobenzene	*98.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*84.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4205766-1 04/26/25 16:36

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	625	496	79.4	10.0-160	
Acrylonitrile	625	484	77.4	45.0-153	
Bromobenzene	125	135	108	73.0-121	
Bromodichloromethane	125	105	84.0	73.0-121	
Bromoform	125	121	96.8	64.0-132	
Bromomethane	125	70.5	56.4	56.0-147	
n-Butylbenzene	125	128	102	68.0-135	
sec-Butylbenzene	125	135	108	74.0-130	
tert-Butylbenzene	125	141	113	75.0-127	
Carbon tetrachloride	125	109	87.2	66.0-128	
Chlorobenzene	125	143	114	76.0-128	
Chlorodibromomethane	125	135	108	74.0-127	

Laboratory Control Sample (LCS)

(LCS) R4205766-1 04/26/25 16:36

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloroethane	125	114	91.2	61.0-134	
Chloroform	125	103	82.4	72.0-123	
Chloromethane	125	83.1	66.5	51.0-138	
2-Chlorotoluene	125	146	117	75.0-124	
4-Chlorotoluene	125	132	106	75.0-124	
1,2-Dibromo-3-Chloropropane	125	119	95.2	59.0-130	
1,2-Dibromoethane	125	133	106	74.0-128	
Dibromomethane	125	111	88.8	75.0-122	
1,2-Dichlorobenzene	125	138	110	76.0-124	
1,3-Dichlorobenzene	125	145	116	76.0-125	
1,4-Dichlorobenzene	125	141	113	77.0-121	
Dichlorodifluoromethane	125	103	82.4	43.0-156	
1,1-Dichloroethane	125	97.1	77.7	70.0-127	
1,2-Dichloroethane	125	93.5	74.8	65.0-131	
1,1-Dichloroethene	125	95.0	76.0	65.0-131	
cis-1,2-Dichloroethene	125	116	92.8	73.0-125	
trans-1,2-Dichloroethene	125	109	87.2	71.0-125	
1,2-Dichloropropane	125	102	81.6	74.0-125	
1,1-Dichloropropene	125	110	88.0	73.0-125	
1,3-Dichloropropane	125	137	110	80.0-125	
cis-1,3-Dichloropropene	125	110	88.0	76.0-127	
trans-1,3-Dichloropropene	125	126	101	73.0-127	
2,2-Dichloropropane	125	103	82.4	59.0-135	
Di-isopropyl ether	125	92.7	74.2	60.0-136	
Hexachloro-1,3-butadiene	125	108	86.4	57.0-150	
Isopropylbenzene	125	140	112	72.0-127	
p-Isopropyltoluene	125	134	107	72.0-133	
2-Butanone (MEK)	625	427	68.3	30.0-160	
Methylene Chloride	125	110	88.0	68.0-123	
4-Methyl-2-pentanone (MIBK)	625	551	88.2	56.0-143	
Methyl tert-butyl ether	125	113	90.4	66.0-132	
n-Propylbenzene	125	138	110	74.0-126	
Styrene	125	136	109	72.0-127	
1,1,1,2-Tetrachloroethane	125	131	105	74.0-129	
1,1,2,2-Tetrachloroethane	125	118	94.4	68.0-128	
1,1,2-Trichlorotrifluoroethane	125	113	90.4	61.0-139	
Tetrachloroethene	125	145	116	70.0-136	
1,2,3-Trichlorobenzene	125	128	102	59.0-139	
1,2,4-Trichlorobenzene	125	130	104	62.0-137	
1,1,1-Trichloroethane	125	104	83.2	69.0-126	

Laboratory Control Sample (LCS)

(LCS) R4205766-1 04/26/25 16:36

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,2-Trichloroethane	125	134	107	78.0-123	
Trichloroethene	125	121	96.8	76.0-126	
Trichlorofluoromethane	125	114	91.2	61.0-142	
1,2,3-Trichloropropane	125	125	100	67.0-129	
1,2,3-Trimethylbenzene	125	137	110	74.0-124	
Vinyl chloride	125	98.8	79.0	63.0-134	
(S) Toluene-d8			*112*	*75.0-131*	
(S) 4-Bromofluorobenzene			*96.4*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*85.9*	*70.0-130*	

L1852121-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1852121-03 04/26/25 23:59 • (MS) R4205766-3 04/27/25 01:38 • (MSD) R4205766-4 04/27/25 01:58

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	713	U	366	374	51.4	52.5	1	10.0-160			2.16	40
Acrylonitrile	713	U	525	501	73.6	70.2	1	10.0-160			4.67	40
Bromobenzene	143	U	163	157	114	110	1	10.0-156			3.56	38
Bromodichloromethane	143	U	119	116	83.2	81.6	1	10.0-143			1.94	37
Bromoform	143	U	115	113	80.8	79.4	1	10.0-146			1.80	36
Bromomethane	143	U	41.8	51.0	29.3	35.8	1	10.0-149			19.9	38
n-Butylbenzene	143	U	147	165	103	116	1	10.0-160			11.7	40
sec-Butylbenzene	143	U	149	168	105	118	1	10.0-159			11.5	39
tert-Butylbenzene	143	U	156	175	110	122	1	10.0-156			11.0	39
Carbon tetrachloride	143	U	103	127	72.5	88.8	1	10.0-145			20.2	37
Chlorobenzene	143	U	167	169	117	118	1	10.0-152			1.36	39
Chlorodibromomethane	143	U	140	139	98.4	97.6	1	10.0-146			0.816	37
Chloroethane	143	U	28.6	36.3	20.1	25.4	1	10.0-146			23.6	40
Chloroform	143	U	122	124	85.6	87.2	1	10.0-146			1.85	37
Chloromethane	143	U	88.4	103	62.0	72.5	1	10.0-159			15.6	37
2-Chlorotoluene	143	U	156	168	110	118	1	10.0-159			7.04	38
4-Chlorotoluene	143	U	154	155	108	109	1	10.0-155			0.738	39
1,2-Dibromo-3-Chloropropane	143	U	109	102	76.6	71.2	1	10.0-151			7.26	39
1,2-Dibromoethane	143	U	148	140	104	98.4	1	10.0-148			5.53	34
Dibromomethane	143	U	124	122	87.2	85.6	1	10.0-147			1.85	35
1,2-Dichlorobenzene	143	U	164	161	115	113	1	10.0-155			2.11	37
1,3-Dichlorobenzene	143	U	172	172	121	121	1	10.0-153			0.000	38
1,4-Dichlorobenzene	143	U	170	171	119	120	1	10.0-151			0.669	38
Dichlorodifluoromethane	143	U	76.3	129	53.5	90.4	1	10.0-160		J3	51.3	35

L1852121-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1852121-03 04/26/25 23:59 • (MS) R4205766-3 04/27/25 01:38 • (MSD) R4205766-4 04/27/25 01:58

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1-Dichloroethane	143	U	109	114	76.1	80.0	1	10.0-147			5.02	37
1,2-Dichloroethane	143	U	108	104	75.8	72.6	1	10.0-148			4.31	35
1,1-Dichloroethene	143	U	90.5	113	63.4	79.5	1	10.0-155			22.5	37
cis-1,2-Dichloroethene	143	U	135	135	94.4	94.4	1	10.0-149			0.000	37
trans-1,2-Dichloroethene	143	U	122	131	85.6	92.0	1	10.0-150			7.21	37
1,2-Dichloropropane	143	U	119	118	83.2	82.4	1	10.0-148			0.966	37
1,1-Dichloropropene	143	U	109	131	76.4	92.0	1	10.0-153			18.5	35
1,3-Dichloropropane	143	U	153	149	107	105	1	10.0-154			2.26	35
cis-1,3-Dichloropropene	143	U	124	122	87.2	85.6	1	10.0-151			1.85	37
trans-1,3-Dichloropropene	143	U	134	134	93.6	93.6	1	10.0-148			0.000	37
2,2-Dichloropropane	143	U	108	122	75.4	85.6	1	10.0-138			12.6	36
Di-isopropyl ether	143	U	109	104	76.1	72.8	1	10.0-147			4.41	36
Hexachloro-1,3-butadiene	143	U	124	138	87.2	96.8	1	10.0-160			10.4	40
Isopropylbenzene	143	U	167	183	117	128	1	10.0-155			9.15	38
p-Isopropyltoluene	143	U	159	173	111	122	1	10.0-160			8.93	40
2-Butanone (MEK)	713	U	350	414	49.1	58.1	1	10.0-160			16.7	40
Methylene Chloride	143	U	137	135	96.0	94.4	1	10.0-141			1.68	37
4-Methyl-2-pentanone (MIBK)	713	U	567	548	79.5	76.8	1	10.0-160			3.48	35
Methyl tert-butyl ether	143	U	128	123	89.6	86.4	1	11.0-147			3.64	35
n-Propylbenzene	143	U	157	168	110	118	1	10.0-158			6.32	38
Styrene	143	U	163	162	114	114	1	10.0-160			0.702	40
1,1,1,2-Tetrachloroethane	143	U	148	147	104	103	1	10.0-149			0.772	39
1,1,2,2-Tetrachloroethane	143	U	118	118	82.4	82.4	1	10.0-160			0.000	35
1,1,2-Trichlorotrifluoroethane	143	U	91.2	134	63.9	93.6	1	10.0-160		J3	37.7	36
Tetrachloroethene	143	U	149	169	105	118	1	10.0-156			12.2	39
1,2,3-Trichlorobenzene	143	U	138	138	96.8	96.8	1	10.0-160			0.000	40
1,2,4-Trichlorobenzene	143	U	156	156	110	110	1	10.0-160			0.000	40
1,1,1-Trichloroethane	143	U	106	124	74.5	87.2	1	10.0-144			15.7	35
1,1,2-Trichloroethane	143	U	151	145	106	102	1	10.0-160			3.86	35
Trichloroethene	143	U	147	147	103	103	1	10.0-156			0.000	38
Trichlorofluoromethane	143	U	25.7	37.7	18.0	26.4	1	10.0-160			37.8	40
1,2,3-Trichloropropane	143	U	137	141	96.0	99.2	1	10.0-156			3.28	35
1,2,3-Trimethylbenzene	143	U	162	164	114	115	1	10.0-160			1.40	36
Vinyl chloride	143	U	98.0	129	68.7	90.4	1	10.0-160			27.2	37
(S) Toluene-d8					*109*	*109*		*75.0-131*				
(S) 4-Bromofluorobenzene					*96.5*	*97.6*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*84.5*	*82.4*		*70.0-130*				

Method Blank (MB)

(MB) R4205968-2 04/26/25 21:33

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) R4205968-2 04/26/25 21:33

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	*74.5*			*12.0-120*
(S) Phenol-d5	*68.9*			*10.0-120*
(S) Nitrobenzene-d5	*70.0*			*10.0-122*
(S) 2-Fluorobiphenyl	*77.2*			*15.0-120*
(S) 2,4,6-Tribromophenol	*98.6*			*10.0-127*
(S) p-Terphenyl-d14	*80.8*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4205968-1 04/26/25 21:13

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	666	687	103	40.0-120	
Benzidine	1330	709	53.3	10.0-120	J
Benzo(g,h,i)perylene	666	619	92.9	43.0-120	
Bis(2-chlorethoxy)methane	666	429	64.4	20.0-120	
Bis(2-chloroethyl)ether	666	529	79.4	16.0-120	
2,2-Oxybis(1-Chloropropane)	666	433	65.0	23.0-120	
4-Bromophenyl-phenylether	666	733	110	40.0-120	
2-Chloronaphthalene	666	601	90.2	35.0-120	
4-Chlorophenyl-phenylether	666	682	102	40.0-120	
1,2-Dichlorobenzene	666	513	77.0	32.0-120	
1,3-Dichlorobenzene	666	506	76.0	30.0-120	
1,4-Dichlorobenzene	666	537	80.6	31.0-120	
3,3-Dichlorobenzidine	1330	1340	101	28.0-120	
2,4-Dinitrotoluene	666	750	113	45.0-120	
2,6-Dinitrotoluene	666	674	101	42.0-120	
Hexachlorobenzene	666	689	103	39.0-120	
Hexachloro-1,3-butadiene	666	446	67.0	15.0-120	
Hexachlorocyclopentadiene	666	574	86.2	15.0-120	
Hexachloroethane	666	487	73.1	17.0-120	
Isophorone	666	432	64.9	23.0-120	
Nitrobenzene	666	410	61.6	17.0-120	
n-Nitrosodimethylamine	666	475	71.3	10.0-125	
n-Nitrosodiphenylamine	666	633	95.0	40.0-120	
n-Nitrosodi-n-propylamine	666	522	78.4	26.0-120	

Laboratory Control Sample (LCS)

(LCS) R4205968-1 04/26/25 21:13

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	666	608	91.3	42.0-120	
Benzylbutyl phthalate	666	612	91.9	40.0-120	
Bis(2-ethylhexyl)phthalate	666	645	96.8	41.0-120	
Di-n-butyl phthalate	666	674	101	43.0-120	
Diethyl phthalate	666	665	99.8	43.0-120	
Dimethyl phthalate	666	669	100	43.0-120	
Di-n-octyl phthalate	666	568	85.3	40.0-120	
1,2,4-Trichlorobenzene	666	485	72.8	17.0-120	
4-Chloro-3-methylphenol	666	496	74.5	28.0-120	
2-Chlorophenol	666	515	77.3	28.0-120	
2,4-Dichlorophenol	666	508	76.3	25.0-120	
2,4-Dimethylphenol	666	433	65.0	15.0-120	
4,6-Dinitro-2-methylphenol	666	757	114	16.0-120	
2,4-Dinitrophenol	666	584	87.7	10.0-120	
2-Nitrophenol	666	537	80.6	20.0-120	
4-Nitrophenol	666	737	111	27.0-120	
Pentachlorophenol	666	503	75.5	29.0-120	
Phenol	666	534	80.2	28.0-120	
2,4,6-Trichlorophenol	666	673	101	37.0-120	
(S) 2-Fluorophenol			*91.6*	*12.0-120*	
(S) Phenol-d5			*84.5*	*10.0-120*	
(S) Nitrobenzene-d5			*63.4*	*10.0-122*	
(S) 2-Fluorobiphenyl			*93.4*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*125*	*10.0-127*	
(S) p-Terphenyl-d14			*92.2*	*10.0-120*	

L1852114-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1852114-05 04/26/25 22:34 • (MS) R4205968-3 04/26/25 22:54 • (MSD) R4205968-4 04/26/25 23:15

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthylene	710	U	525	489	73.9	69.7	1	25.0-120			7.09	32
Benzidine	1420	U	U	U	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	710	U	413	377	58.1	53.7	1	10.0-120			9.10	33
Bis(2-chlorethoxy)methane	710	U	346	310	48.8	44.3	1	10.0-120	J	J	10.9	34
Bis(2-chloroethyl)ether	710	U	403	332	56.7	47.4	1	10.0-120		J	19.3	40
2,2-Oxybis(1-Chloropropane)	710	U	332	292	46.8	41.6	1	10.0-120	J	J	12.9	40
4-Bromophenyl-phenylether	710	U	594	551	83.6	78.6	1	27.0-120			7.42	30
2-Chloronaphthalene	710	U	445	408	62.7	58.2	1	20.0-120			8.67	32

L1852114-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1852114-05 04/26/25 22:34 • (MS) R4205968-3 04/26/25 22:54 • (MSD) R4205968-4 04/26/25 23:15

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Chlorophenyl-phenylether	710	U	522	492	73.5	70.2	1	24.0-120			5.80	29
1,2-Dichlorobenzene	710	U	391	334	55.1	47.7	1	10.0-120		J	15.6	38
1,3-Dichlorobenzene	710	U	387	320	54.4	45.7	1	10.0-120		J	18.8	40
1,4-Dichlorobenzene	710	U	398	350	56.0	49.8	1	10.0-120		J	12.8	39
3,3-Dichlorobenzidine	1420	U	551	562	38.9	40.0	1	10.0-120			1.96	34
2,4-Dinitrotoluene	710	U	576	551	81.1	78.6	1	30.0-120			4.44	31
2,6-Dinitrotoluene	710	U	523	500	73.6	71.3	1	25.0-120			4.47	31
Hexachlorobenzene	710	U	557	502	78.4	71.6	1	27.0-120			10.3	28
Hexachloro-1,3-butadiene	710	U	374	319	52.6	45.5	1	10.0-120		J	15.7	38
Hexachlorocyclopentadiene	710	U	133	150	18.7	21.4	1	10.0-120	J	J	12.3	40
Hexachloroethane	710	U	342	299	48.2	42.7	1	10.0-120	J	J	13.2	40
Isophorone	710	U	365	322	51.4	46.0	1	13.0-120		J	12.4	34
Nitrobenzene	710	U	327	296	46.0	42.2	1	10.0-120	J	J	9.79	36
n-Nitrosodimethylamine	710	U	331	299	46.6	42.7	1	10.0-127	J	J	10.0	40
n-Nitrosodiphenylamine	710	U	501	468	70.6	66.8	1	17.0-120			6.74	29
n-Nitrosodi-n-propylamine	710	U	399	350	56.1	49.8	1	10.0-120		J	13.1	37
Phenanthrene	710	U	475	444	66.9	63.4	1	17.0-120			6.64	31
Benzylbutyl phthalate	710	U	533	517	75.0	73.8	1	23.0-120			2.90	30
Bis(2-ethylhexyl)phthalate	710	U	558	546	78.5	77.8	1	17.0-126			2.17	30
Di-n-butyl phthalate	710	U	586	554	82.5	79.0	1	30.0-120			5.54	29
Diethyl phthalate	710	U	529	502	74.5	71.6	1	26.0-120			5.28	28
Dimethyl phthalate	710	U	509	486	71.6	69.3	1	25.0-120			4.60	29
Di-n-octyl phthalate	710	U	555	545	78.2	77.6	1	21.0-123			1.98	29
1,2,4-Trichlorobenzene	710	U	403	349	56.7	49.7	1	12.0-120		J	14.5	37
4-Chloro-3-methylphenol	710	U	408	396	57.5	56.5	1	15.0-120			2.98	30
2-Chlorophenol	710	U	406	335	57.2	47.8	1	15.0-120		J	19.1	37
2,4-Dichlorophenol	710	U	429	394	60.4	56.2	1	20.0-120			8.47	31
2,4-Dimethylphenol	710	U	364	330	51.2	47.0	1	10.0-120		J	9.73	33
4,6-Dinitro-2-methylphenol	710	U	650	620	91.6	88.4	1	10.0-120			4.80	39
2,4-Dinitrophenol	710	U	504	516	71.0	73.6	1	10.0-121			2.35	40
2-Nitrophenol	710	U	445	400	62.7	57.0	1	12.0-120			10.8	39
4-Nitrophenol	710	U	638	622	89.9	88.7	1	10.0-137			2.59	32
Pentachlorophenol	710	U	517	504	72.9	71.9	1	10.0-160			2.56	31
Phenol	710	U	415	351	58.4	50.0	1	12.0-120		J	16.8	38
2,4,6-Trichlorophenol	710	U	547	514	77.0	73.3	1	19.0-120			6.16	32
(S) 2-Fluorophenol					*64.7*	*56.4*		*12.0-120*				
(S) Phenol-d5					*61.0*	*53.0*		*10.0-120*				
(S) Nitrobenzene-d5					*52.8*	*45.7*		*10.0-122*				
(S) 2-Fluorobiphenyl					*65.6*	*61.2*		*15.0-120*				

L1852114-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1852114-05 04/26/25 22:34 • (MS) R4205968-3 04/26/25 22:54 • (MSD) R4205968-4 04/26/25 23:15

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					*98.9*	*98.6*		*10.0-127*				
(S) p-Terphenyl-d14					*66.6*	*64.9*		*10.0-120*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

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

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

C130

Pace® 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

L1852141

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 **: 8 oz | 8 oz | 8 oz | 8 oz | 6

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

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

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

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

Analysis Requested:

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
GAC00425T050S001	SS	G			04/25/25	0816	3			X	X	X	X	–	-01
GAC00425T050S002	SS	G			04/25/25	0845	3			X	X	X	X	–	-02
GAC00425T050S003	SS	G			04/25/25	0905	3			X	X	X	X	–	-03
GAC00425T050S004	SS	G			04/25/25	1015	3			X	X	X	X	–	-04
GAC00425T050S005	SS	G			04/25/25	1035	3			X	X	X	X	–	-05
SB ~~GAC00425T050S006~~	~~SS~~	~~G~~			~~04/25/25~~	~~1105~~	~~3~~			~~X~~	~~X~~	~~X~~	~~X~~	~~–~~	
SB ~~GAC00425T050S007~~	~~SS~~	~~G~~			~~04/25/25~~	~~1130~~	~~3~~			~~X~~	~~X~~	~~X~~	~~X~~	~~–~~	
SB ~~GAC00425T050S008~~	~~SS~~	~~G~~			~~04/25/25~~	~~1235~~	~~3~~			~~X~~	~~X~~	~~X~~	~~X~~	~~–~~	
SB ~~GAC00425T050S009~~	~~SS~~	~~G~~			~~04/25/25~~	~~1250~~	~~3~~			~~X~~	~~X~~	~~X~~	~~X~~	~~–~~	
SB ~~GAC00425T050C009~~	~~SS~~	~~G~~			~~04/25/25~~	~~1250~~	~~3~~			~~X~~	~~X~~	~~X~~	~~X~~	~~–~~	

SB

Preservation non-conformance identified for sample.

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: Shane Braggs; Signature: [signature]

Customer Remarks / Special Conditions / Possible Hazards:

\# Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C): | Corrected Temp. (°C): | [ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Shane Braggs / Montrose / [signature]	4/25/25 1800	Crowley Barter	04/26/2025 1115

Tracking Number:

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

Page: of

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

L1852114

Company Name: CTEH, LLC

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

Contact/Report To: Lab Results, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman

Phone #:

E-Mail: labresults@cteh.com; kylelawrence@cteh.com; 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:

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

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

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

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start 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
Specify Container Size										8 oz	8 oz	8 oz	8 oz	6	
Preservative Type										1	1	1	1	4	
GACO042ST050T002	OT	–			4/25/25	0730	32			–	–	–	–	X	-06
~~GACO042ST050T003~~	~~OT~~	~~–~~			~~4/25/25~~	~~0730~~	~~2~~			~~–~~	~~–~~	~~–~~	~~–~~	~~X~~	

(margin: SB)

TRAG 0.8+0.4=1.2

Sample Receipt Checklist

```
COC Seal Present/Intact:  X 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
```

Containers: 15 + 2x tripB

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: Shane Bragg; Signature: [signature]

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	[ ] On Ice

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Shane Bragg / Montrose / [signature]	4/25/25 1800	[signature] Barton	04/26/2025 1145

Tracking Number:

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

Page: of