ANALYTICAL REPORT

May 03, 2025

Revised Report

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2025.05.03 23:42:39 -05'00'
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CTEH - ER

Sample Delivery Group:	L1853786
Samples Received:	05/01/2025
Project Number:	PROJ-054017
Description:	Bishop Loss of Containment Incident

Report To:

CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:

Stephanie M Coble
Project Manager

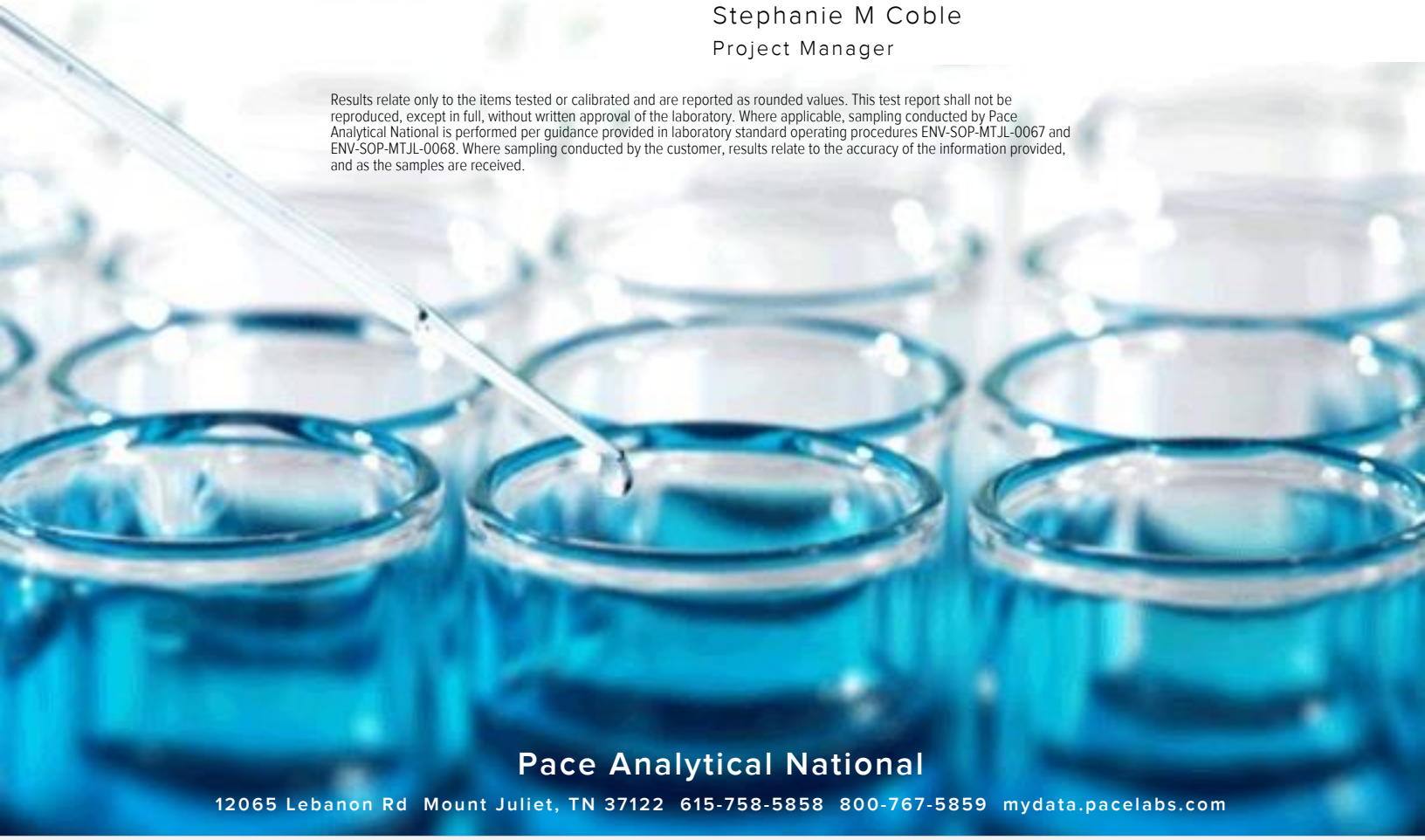

TABLE OF CONTENTS

GACO0430T031S007 L1853786-01 Solid

Collected by	Collected date/time	Received date/time
	04/30/25 15:35	05/01/25 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2504784	1	05/01/25 17:33	05/02/25 15:52	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2504572	1	05/01/25 14:12	05/01/25 14:24	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2504848	1	05/01/25 21:04	05/02/25 01:31	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2504845	10	05/01/25 21:00	05/02/25 15:52	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2504784	1	05/01/25 17:33	05/01/25 20:58	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2504836	9	05/01/25 14:00	05/02/25 17:31	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2504883	1	05/01/25 18:25	05/01/25 22:06	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2504732	1	05/01/25 15:12	05/01/25 18:21	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2504788	2	05/01/25 16:48	05/02/25 01:53	JRM	Mt. Juliet, TN

GACO0430T031S006 L1853786-02 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2504784	1	05/01/25 17:33	05/02/25 15:25	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2504572	1	05/01/25 14:12	05/01/25 14:24	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2504846	1	05/01/25 21:07	05/02/25 00:32	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2504844	10	05/01/25 20:57	05/02/25 15:25	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2504784	1	05/01/25 17:33	05/01/25 21:12	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2504842	5	05/01/25 17:43	05/02/25 17:12	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2504883	1	05/01/25 18:25	05/01/25 22:29	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2504732	1	05/01/25 15:12	05/01/25 18:40	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2504788	2	05/01/25 16:48	05/01/25 23:47	NWH	Mt. Juliet, TN

GACO0430T031S005 L1853786-03 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2504784	1	05/01/25 17:33	05/02/25 17:09	AEC	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2504572	1	05/01/25 14:12	05/01/25 14:24	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2504846	1	05/01/25 21:07	05/02/25 00:34	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2504844	20	05/01/25 20:57	05/02/25 17:09	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2504784	5	05/01/25 17:33	05/01/25 23:13	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2504842	17	05/01/25 17:43	05/02/25 17:13	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2504883	1	05/01/25 18:25	05/01/25 22:47	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2505159	2	05/01/25 15:12	05/02/25 13:33	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2504788	20	05/01/25 16:48	05/01/25 21:44	JRM	Mt. Juliet, TN

GACO0430T031T002 L1853786-04 GW

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2504740	1	05/01/25 18:08	05/01/25 18:08	NCD	Mt. Juliet, TN

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

Stephanie M Coble
Project Manager

Report Revision History

Level II Report - Version 1: 05/03/25 12:14

Project Comments

Report reissued 5/03/25 for encryption -SC

Wet Chemistry by Method 4500NOrg D-2021

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

Batch	Lab Sample ID	Analytes
WG2504844	(MS) R4209110-5, (MSD) R4209110-6	Kjeldahl Nitrogen, TKN
WG2504845	(MS) R4209036-3, (MSD) R4209036-4, L1853786-01	Kjeldahl Nitrogen, TKN

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2504883	(MS) R4208623-5, L1853786-01	Aluminum

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

Batch	Lab Sample ID	Analytes
WG2504883	(MS) R4208623-5, (MSD) R4208623-6, L1853786-01	Aluminum, Iron and Manganese

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

Batch	Lab Sample ID	Analytes
WG2504883	(MS) R4208623-5, L1853786-01	Calcium

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

Batch	Lab Sample ID	Analytes
WG2504883	(MSD) R4208623-6, L1853786-01	Aluminum

Metals (ICP) by Method 6010D

The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

Batch	Lab Sample ID	Analytes
WG2504883	L1853786-01	Manganese

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

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

Batch	Lab Sample ID	Analytes
WG2504732	L1853786-01	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK), Acetone, Hexachloro-1,3-butadiene and n-Butylbenzene
WG2504732	L1853786-02	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK), Acetone, Hexachloro-1,3-butadiene and n-Butylbenzene
WG2504740	L1853786-04	2,2-Dichloropropane, Acetone, Naphthalene and Trichlorofluoromethane
WG2505159	L1853786-03	2,2-Dichloropropane, Acetone, Bromomethane, Chloroethane, Methylene Chloride and Vinyl chloride

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

Batch	Lab Sample ID	Analytes
WG2504732	(LCSD) R4208652-2, L1853786-01, 02	1,2,3-Trichlorobenzene
WG2504740	(LCSD) R4208606-3, L1853786-04	1,2-Dichloroethane

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

Batch	Lab Sample ID	Analytes
WG2504732	(LCSD) R4208652-2, L1853786-01, 02	4-Methyl-2-pentanone (MIBK), Acrylonitrile and Bromoform
WG2504740	(LCS) R4208606-1, (LCSD) R4208606-3, L1853786-04	Dichlorodifluoromethane
WG2505159	(LCS) R4208928-1, (LCSD) R4208928-2, L1853786-03	4-Methyl-2-pentanone (MIBK)

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

Batch	Lab Sample ID	Analytes
WG2504732	(LCSD) R4208652-2, L1853786-01, 02	1,2,3-Trichloropropane, 1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK), 4-Methyl-2-pentanone (MIBK), Acetone, Acrylonitrile and Methyl tert-butyl ether
WG2504740	(LCSD) R4208606-3, L1853786-04	1,2-Dichloroethane and 2,2-Dichloropropane

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

Batch	Lab Sample ID	Analytes
WG2504740	(MS) R4208606-4, (MSD) R4208606-5	Dichlorodifluoromethane

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

Batch	Lab Sample ID	Analytes
WG2504732	(MSD) R4208652-5	Trichlorofluoromethane

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

Batch	Lab Sample ID	Analytes
WG2504732	(MSD) R4208652-7, (MSD) R4208652-5, L1853786-01	38 analytes

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

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

Batch	Lab Sample ID	Analytes
WG2504788	L1853786-01	2,2-Oxybis(1-Chloropropane), 2,4-Dimethylphenol, Bis(2-chloroethyl)ether and Hexachlorocyclopentadiene
WG2504788	L1853786-02	2,4-Dimethylphenol and Hexachlorocyclopentadiene
WG2504788	L1853786-03	2,2-Oxybis(1-Chloropropane), 2,4-Dimethylphenol, Bis(2-chloroethyl)ether and Hexachlorocyclopentadiene

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

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

Batch	Lab Sample ID	Analytes
WG2504788	L1853786-02	Benzidine

Surrogate recovery cannot be used for control limit evaluation due to dilution.

Batch	Analyte	Lab Sample ID
WG2504788	2,4,6-Tribromophenol	L1853786-03
WG2504788	2-Fluorobiphenyl	L1853786-03
WG2504788	2-Fluorophenol	L1853786-03
WG2504788	Nitrobenzene-d5	L1853786-03
WG2504788	Phenol-d5	L1853786-03
WG2504788	p-Terphenyl-d14	L1853786-03

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

Batch	Lab Sample ID	Analytes
WG2504788	(MS) R4208587-3, (MSD) R4208587-4	Hexachlorocyclopentadiene

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2140000		706	23300	1	05/02/2025 15:52	WG2504784

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.8		1	05/01/2025 14:24	WG2504572

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		8380	11700	1	05/02/2025 01:31	WG2504848

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	2080000	V	177000	233000	10	05/02/2025 15:52	WG2504845

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	68900		706	23300	1	05/01/2025 20:58	WG2504784

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	35600000		230000	900000	9	05/02/2025 17:31	WG2504836

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	3140000	J3 J5 J6	7090	23300	1	05/01/2025 22:06	WG2504883
Antimony	U		806	2330	1	05/01/2025 22:06	WG2504883
Beryllium	561		55.6	233	1	05/01/2025 22:06	WG2504883
Calcium	8720000	V	22200	117000	1	05/01/2025 22:06	WG2504883
Cobalt	4670		206	1170	1	05/01/2025 22:06	WG2504883
Iron	3860000	J6	2610	11700	1	05/01/2025 22:06	WG2504883
Magnesium	2250000		23200	117000	1	05/01/2025 22:06	WG2504883
Manganese	306000	J6 O1	202	1170	1	05/01/2025 22:06	WG2504883
Potassium	2390000		24400	117000	1	05/01/2025 22:06	WG2504883
Sodium	225000		48000	117000	1	05/01/2025 22:06	WG2504883
Thallium	U		604	2330	1	05/01/2025 22:06	WG2504883
Vanadium	14700		447	2330	1	05/01/2025 22:06	WG2504883

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 J3	48.6	66.6	1	05/01/2025 18:21	WG2504732
Acrylonitrile	U	J4	4.81	16.6	1	05/01/2025 18:21	WG2504732
Bromobenzene	U	J3	1.20	16.6	1	05/01/2025 18:21	WG2504732
Bromodichloromethane	U	J3	0.966	3.33	1	05/01/2025 18:21	WG2504732
Bromoform	U	J4	1.56	33.3	1	05/01/2025 18:21	WG2504732
Bromomethane	U	J3	2.62	16.6	1	05/01/2025 18:21	WG2504732

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	C3	6.99	16.6	1	05/01/2025 18:21	WG2504732
sec-Butylbenzene	U	J3	3.84	16.6	1	05/01/2025 18:21	WG2504732
tert-Butylbenzene	U	J3	2.60	6.66	1	05/01/2025 18:21	WG2504732
Carbon tetrachloride	U	J3	1.20	6.66	1	05/01/2025 18:21	WG2504732
Chlorobenzene	U	J3	0.280	3.33	1	05/01/2025 18:21	WG2504732
Chlorodibromomethane	U		0.815	3.33	1	05/01/2025 18:21	WG2504732
Chloroethane	U	J3	2.26	6.66	1	05/01/2025 18:21	WG2504732
Chloroform	U	J3	1.37	3.33	1	05/01/2025 18:21	WG2504732
Chloromethane	U	J3	5.79	16.6	1	05/01/2025 18:21	WG2504732
2-Chlorotoluene	U	J3	1.15	3.33	1	05/01/2025 18:21	WG2504732
4-Chlorotoluene	U	J3	0.599	6.66	1	05/01/2025 18:21	WG2504732
1,2-Dibromo-3-Chloropropane	U	C3	5.19	33.3	1	05/01/2025 18:21	WG2504732
1,2-Dibromoethane	U		0.863	3.33	1	05/01/2025 18:21	WG2504732
Dibromomethane	U		0.999	6.66	1	05/01/2025 18:21	WG2504732
1,2-Dichlorobenzene	U		0.566	6.66	1	05/01/2025 18:21	WG2504732
1,3-Dichlorobenzene	U	J3	0.799	6.66	1	05/01/2025 18:21	WG2504732
1,4-Dichlorobenzene	U	J3	0.932	6.66	1	05/01/2025 18:21	WG2504732
Dichlorodifluoromethane	U	J3	2.14	6.66	1	05/01/2025 18:21	WG2504732
1,1-Dichloroethane	U	J3	0.654	3.33	1	05/01/2025 18:21	WG2504732
1,2-Dichloroethane	U		0.864	3.33	1	05/01/2025 18:21	WG2504732
1,1-Dichloroethene	U	J3	0.807	3.33	1	05/01/2025 18:21	WG2504732
cis-1,2-Dichloroethene	U	J3	0.978	3.33	1	05/01/2025 18:21	WG2504732
trans-1,2-Dichloroethene	U	J3	1.39	6.66	1	05/01/2025 18:21	WG2504732
1,2-Dichloropropane	U	J3	1.89	6.66	1	05/01/2025 18:21	WG2504732
1,1-Dichloropropene	U	J3	1.08	3.33	1	05/01/2025 18:21	WG2504732
1,3-Dichloropropane	U		0.667	6.66	1	05/01/2025 18:21	WG2504732
cis-1,3-Dichloropropene	U	J3	1.01	3.33	1	05/01/2025 18:21	WG2504732
trans-1,3-Dichloropropene	U	J3	1.52	6.66	1	05/01/2025 18:21	WG2504732
2,2-Dichloropropane	U	J3	1.84	3.33	1	05/01/2025 18:21	WG2504732
Di-isopropyl ether	U	J3	0.546	1.33	1	05/01/2025 18:21	WG2504732
Hexachloro-1,3-butadiene	U	C3	7.99	33.3	1	05/01/2025 18:21	WG2504732
Isopropylbenzene	U	J3	0.566	3.33	1	05/01/2025 18:21	WG2504732
p-Isopropyltoluene	U		3.40	6.66	1	05/01/2025 18:21	WG2504732
2-Butanone (MEK)	U	C3	84.6	133	1	05/01/2025 18:21	WG2504732
Methylene Chloride	U	J3	8.84	33.3	1	05/01/2025 18:21	WG2504732
4-Methyl-2-pentanone (MIBK)	U	J4	3.04	33.3	1	05/01/2025 18:21	WG2504732
Methyl tert-butyl ether	U		0.466	1.33	1	05/01/2025 18:21	WG2504732
n-Propylbenzene	U	J3	1.27	6.66	1	05/01/2025 18:21	WG2504732
Styrene	U	J3	0.305	16.6	1	05/01/2025 18:21	WG2504732
1,1,1,2-Tetrachloroethane	U	J3	1.26	3.33	1	05/01/2025 18:21	WG2504732
1,1,2,2-Tetrachloroethane	U		0.926	3.33	1	05/01/2025 18:21	WG2504732
1,1,2-Trichlorotrifluoroethane	U	J3	1.00	3.33	1	05/01/2025 18:21	WG2504732
Tetrachloroethene	U	J3	1.19	3.33	1	05/01/2025 18:21	WG2504732
1,2,3-Trichlorobenzene	U	C3 J4	9.76	16.6	1	05/01/2025 18:21	WG2504732
1,2,4-Trichlorobenzene	U	C3	5.86	16.6	1	05/01/2025 18:21	WG2504732
1,1,1-Trichloroethane	U	J3	1.23	3.33	1	05/01/2025 18:21	WG2504732
1,1,2-Trichloroethane	U		0.795	3.33	1	05/01/2025 18:21	WG2504732
Trichloroethene	U	J3	0.778	1.33	1	05/01/2025 18:21	WG2504732
Trichlorofluoromethane	U	J3	1.10	3.33	1	05/01/2025 18:21	WG2504732
1,2,3-Trichloropropane	U		2.16	16.6	1	05/01/2025 18:21	WG2504732
1,2,3-Trimethylbenzene	U	J3	2.10	6.66	1	05/01/2025 18:21	WG2504732
Vinyl chloride	U	J3	1.55	3.33	1	05/01/2025 18:21	WG2504732
(S) Toluene-d8	*99.5*			*75.0-131*		*05/01/2025 18:21*	WG2504732
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/01/2025 18:21*	WG2504732
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*		*05/01/2025 18:21*	WG2504732

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		10.9	77.6	2	05/02/2025 01:53	WG2504788
Benzidine	U		146	3890	2	05/02/2025 01:53	WG2504788
Benzo(g,h,i)perylene	U		14.2	77.6	2	05/02/2025 01:53	WG2504788
Bis(2-chlorethoxy)methane	U		23.3	776	2	05/02/2025 01:53	WG2504788
Bis(2-chloroethyl)ether	U	C3	25.6	776	2	05/02/2025 01:53	WG2504788
2,2-Oxybis(1-Chloropropane)	U	C3	33.6	776	2	05/02/2025 01:53	WG2504788
4-Bromophenyl-phenylether	U		27.3	776	2	05/02/2025 01:53	WG2504788
2-Chloronaphthalene	U		13.6	77.6	2	05/02/2025 01:53	WG2504788
4-Chlorophenyl-phenylether	U		27.0	776	2	05/02/2025 01:53	WG2504788
1,2-Dichlorobenzene	U		23.0	776	2	05/02/2025 01:53	WG2504788
1,3-Dichlorobenzene	U		23.5	776	2	05/02/2025 01:53	WG2504788
1,4-Dichlorobenzene	U		23.1	776	2	05/02/2025 01:53	WG2504788
3,3-Dichlorobenzidine	U		28.7	776	2	05/02/2025 01:53	WG2504788
2,4-Dinitrotoluene	U		22.3	776	2	05/02/2025 01:53	WG2504788
2,6-Dinitrotoluene	U		25.4	776	2	05/02/2025 01:53	WG2504788
Hexachlorobenzene	U		27.5	776	2	05/02/2025 01:53	WG2504788
Hexachloro-1,3-butadiene	U		26.1	776	2	05/02/2025 01:53	WG2504788
Hexachlorocyclopentadiene	U	C3	40.8	776	2	05/02/2025 01:53	WG2504788
Hexachloroethane	U		30.5	776	2	05/02/2025 01:53	WG2504788
Isophorone	U		23.8	776	2	05/02/2025 01:53	WG2504788
Nitrobenzene	U		27.0	776	2	05/02/2025 01:53	WG2504788
n-Nitrosodimethylamine	U		115	776	2	05/02/2025 01:53	WG2504788
n-Nitrosodiphenylamine	U		58.8	776	2	05/02/2025 01:53	WG2504788
n-Nitrosodi-n-propylamine	U		25.9	776	2	05/02/2025 01:53	WG2504788
Phenanthrene	U		15.4	77.6	2	05/02/2025 01:53	WG2504788
Benzylbutyl phthalate	U		24.2	776	2	05/02/2025 01:53	WG2504788
Bis(2-ethylhexyl)phthalate	U		98.4	776	2	05/02/2025 01:53	WG2504788
Di-n-butyl phthalate	U		26.6	776	2	05/02/2025 01:53	WG2504788
Diethyl phthalate	U		25.6	776	2	05/02/2025 01:53	WG2504788
Dimethyl phthalate	U		164	776	2	05/02/2025 01:53	WG2504788
Di-n-octyl phthalate	U		52.5	776	2	05/02/2025 01:53	WG2504788
1,2,4-Trichlorobenzene	U		24.2	776	2	05/02/2025 01:53	WG2504788
4-Chloro-3-methylphenol	U		25.2	776	2	05/02/2025 01:53	WG2504788
2-Chlorophenol	U		25.6	776	2	05/02/2025 01:53	WG2504788
2,4-Dichlorophenol	U		22.6	776	2	05/02/2025 01:53	WG2504788
2,4-Dimethylphenol	U	C3	20.3	776	2	05/02/2025 01:53	WG2504788
4,6-Dinitro-2-methylphenol	U		176	776	2	05/02/2025 01:53	WG2504788
2,4-Dinitrophenol	U		182	776	2	05/02/2025 01:53	WG2504788
2-Nitrophenol	U		27.7	776	2	05/02/2025 01:53	WG2504788
4-Nitrophenol	U		24.2	776	2	05/02/2025 01:53	WG2504788
Pentachlorophenol	U		20.9	776	2	05/02/2025 01:53	WG2504788
Phenol	U		31.2	776	2	05/02/2025 01:53	WG2504788
2,4,6-Trichlorophenol	U		24.9	776	2	05/02/2025 01:53	WG2504788
(S) 2-Fluorophenol	*69.5*			*12.0-120*		*05/02/2025 01:53*	WG2504788
(S) Phenol-d5	*58.4*			*10.0-120*		*05/02/2025 01:53*	WG2504788
(S) Nitrobenzene-d5	*57.6*			*10.0-122*		*05/02/2025 01:53*	WG2504788
(S) 2-Fluorobiphenyl	*65.3*			*15.0-120*		*05/02/2025 01:53*	WG2504788
(S) 2,4,6-Tribromophenol	*75.5*			*10.0-127*		*05/02/2025 01:53*	WG2504788
(S) p-Terphenyl-d14	*68.4*			*10.0-120*		*05/02/2025 01:53*	WG2504788

Sample Narrative:

L1853786-01 WG2504788: 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	1540000		696	23000	1	05/02/2025 15:25	WG2504784

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.1		1	05/01/2025 14:24	WG2504572

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		8250	11500	1	05/02/2025 00:32	WG2504846

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	1490000		174000	230000	10	05/02/2025 15:25	WG2504844

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	43100		696	23000	1	05/01/2025 21:12	WG2504784

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	17400000		128000	500000	5	05/02/2025 17:12	WG2504842

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	2380000		6980	23000	1	05/01/2025 22:29	WG2504883
Antimony	U		793	2300	1	05/01/2025 22:29	WG2504883
Beryllium	418		54.8	230	1	05/01/2025 22:29	WG2504883
Calcium	4470000		21800	115000	1	05/01/2025 22:29	WG2504883
Cobalt	4400		203	1150	1	05/01/2025 22:29	WG2504883
Iron	2800000		2570	11500	1	05/01/2025 22:29	WG2504883
Magnesium	1510000		22800	115000	1	05/01/2025 22:29	WG2504883
Manganese	213000		199	1150	1	05/01/2025 22:29	WG2504883
Potassium	1860000		24000	115000	1	05/01/2025 22:29	WG2504883
Sodium	144000		47300	115000	1	05/01/2025 22:29	WG2504883
Thallium	U		595	2300	1	05/01/2025 22:29	WG2504883
Vanadium	8850		440	2300	1	05/01/2025 22:29	WG2504883

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 J3	47.3	64.8	1	05/01/2025 18:40	WG2504732
Acrylonitrile	U	J3 J4	4.68	16.2	1	05/01/2025 18:40	WG2504732
Bromobenzene	U		1.17	16.2	1	05/01/2025 18:40	WG2504732
Bromodichloromethane	U		0.939	3.24	1	05/01/2025 18:40	WG2504732
Bromoform	U	J4	1.52	32.4	1	05/01/2025 18:40	WG2504732
Bromomethane	U		2.55	16.2	1	05/01/2025 18:40	WG2504732

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	C3	6.80	16.2	1	05/01/2025 18:40	WG2504732
sec-Butylbenzene	U		3.73	16.2	1	05/01/2025 18:40	WG2504732
tert-Butylbenzene	U		2.53	6.48	1	05/01/2025 18:40	WG2504732
Carbon tetrachloride	U		1.16	6.48	1	05/01/2025 18:40	WG2504732
Chlorobenzene	U		0.272	3.24	1	05/01/2025 18:40	WG2504732
Chlorodibromomethane	U		0.793	3.24	1	05/01/2025 18:40	WG2504732
Chloroethane	U		2.20	6.48	1	05/01/2025 18:40	WG2504732
Chloroform	U		1.33	3.24	1	05/01/2025 18:40	WG2504732
Chloromethane	U		5.64	16.2	1	05/01/2025 18:40	WG2504732
2-Chlorotoluene	U		1.12	3.24	1	05/01/2025 18:40	WG2504732
4-Chlorotoluene	U		0.583	6.48	1	05/01/2025 18:40	WG2504732
1,2-Dibromo-3-Chloropropane	U	C3 J3	5.05	32.4	1	05/01/2025 18:40	WG2504732
1,2-Dibromoethane	U		0.840	3.24	1	05/01/2025 18:40	WG2504732
Dibromomethane	U		0.972	6.48	1	05/01/2025 18:40	WG2504732
1,2-Dichlorobenzene	U		0.551	6.48	1	05/01/2025 18:40	WG2504732
1,3-Dichlorobenzene	U		0.777	6.48	1	05/01/2025 18:40	WG2504732
1,4-Dichlorobenzene	U		0.907	6.48	1	05/01/2025 18:40	WG2504732
Dichlorodifluoromethane	U		2.09	6.48	1	05/01/2025 18:40	WG2504732
1,1-Dichloroethane	U		0.636	3.24	1	05/01/2025 18:40	WG2504732
1,2-Dichloroethane	U		0.841	3.24	1	05/01/2025 18:40	WG2504732
1,1-Dichloroethene	U		0.785	3.24	1	05/01/2025 18:40	WG2504732
cis-1,2-Dichloroethene	U		0.951	3.24	1	05/01/2025 18:40	WG2504732
trans-1,2-Dichloroethene	U		1.35	6.48	1	05/01/2025 18:40	WG2504732
1,2-Dichloropropane	U		1.84	6.48	1	05/01/2025 18:40	WG2504732
1,1-Dichloropropene	U		1.05	3.24	1	05/01/2025 18:40	WG2504732
1,3-Dichloropropane	U		0.649	6.48	1	05/01/2025 18:40	WG2504732
cis-1,3-Dichloropropene	U		0.981	3.24	1	05/01/2025 18:40	WG2504732
trans-1,3-Dichloropropene	U		1.48	6.48	1	05/01/2025 18:40	WG2504732
2,2-Dichloropropane	U		1.79	3.24	1	05/01/2025 18:40	WG2504732
Di-isopropyl ether	U		0.531	1.30	1	05/01/2025 18:40	WG2504732
Hexachloro-1,3-butadiene	U	C3	7.77	32.4	1	05/01/2025 18:40	WG2504732
Isopropylbenzene	U		0.551	3.24	1	05/01/2025 18:40	WG2504732
p-Isopropyltoluene	U		3.30	6.48	1	05/01/2025 18:40	WG2504732
2-Butanone (MEK)	U	C3 J3	82.3	130	1	05/01/2025 18:40	WG2504732
Methylene Chloride	U		8.60	32.4	1	05/01/2025 18:40	WG2504732
4-Methyl-2-pentanone (MIBK)	U	J3 J4	2.95	32.4	1	05/01/2025 18:40	WG2504732
Methyl tert-butyl ether	U	J3	0.453	1.30	1	05/01/2025 18:40	WG2504732
n-Propylbenzene	U		1.23	6.48	1	05/01/2025 18:40	WG2504732
Styrene	U		0.297	16.2	1	05/01/2025 18:40	WG2504732
1,1,1,2-Tetrachloroethane	U		1.23	3.24	1	05/01/2025 18:40	WG2504732
1,1,2,2-Tetrachloroethane	U		0.900	3.24	1	05/01/2025 18:40	WG2504732
1,1,2-Trichlorotrifluoroethane	U		0.977	3.24	1	05/01/2025 18:40	WG2504732
Tetrachloroethene	U		1.16	3.24	1	05/01/2025 18:40	WG2504732
1,2,3-Trichlorobenzene	U	C3 J4	9.50	16.2	1	05/01/2025 18:40	WG2504732
1,2,4-Trichlorobenzene	U	C3	5.70	16.2	1	05/01/2025 18:40	WG2504732
1,1,1-Trichloroethane	U		1.20	3.24	1	05/01/2025 18:40	WG2504732
1,1,2-Trichloroethane	U		0.774	3.24	1	05/01/2025 18:40	WG2504732
Trichloroethene	U		0.757	1.30	1	05/01/2025 18:40	WG2504732
Trichlorofluoromethane	U		1.07	3.24	1	05/01/2025 18:40	WG2504732
1,2,3-Trichloropropane	U	J3	2.10	16.2	1	05/01/2025 18:40	WG2504732
1,2,3-Trimethylbenzene	U		2.05	6.48	1	05/01/2025 18:40	WG2504732
Vinyl chloride	U		1.50	3.24	1	05/01/2025 18:40	WG2504732
(S) Toluene-d8	*98.9*			*75.0-131*		*05/01/2025 18:40*	WG2504732
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*05/01/2025 18:40*	WG2504732
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*05/01/2025 18:40*	WG2504732

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		10.8	76.4	2	05/01/2025 23:47	WG2504788
Benzidine	U	C7	143	3830	2	05/01/2025 23:47	WG2504788
Benzo(g,h,i)perylene	U		14.0	76.4	2	05/01/2025 23:47	WG2504788
Bis(2-chlorethoxy)methane	U		23.0	764	2	05/01/2025 23:47	WG2504788
Bis(2-chloroethyl)ether	U		25.3	764	2	05/01/2025 23:47	WG2504788
2,2-Oxybis(1-Chloropropane)	U		33.1	764	2	05/01/2025 23:47	WG2504788
4-Bromophenyl-phenylether	U		26.9	764	2	05/01/2025 23:47	WG2504788
2-Chloronaphthalene	U		13.4	76.4	2	05/01/2025 23:47	WG2504788
4-Chlorophenyl-phenylether	U		26.6	764	2	05/01/2025 23:47	WG2504788
1,2-Dichlorobenzene	U		22.6	764	2	05/01/2025 23:47	WG2504788
1,3-Dichlorobenzene	U		23.2	764	2	05/01/2025 23:47	WG2504788
1,4-Dichlorobenzene	U		22.7	764	2	05/01/2025 23:47	WG2504788
3,3-Dichlorobenzidine	U		28.2	764	2	05/01/2025 23:47	WG2504788
2,4-Dinitrotoluene	U		21.9	764	2	05/01/2025 23:47	WG2504788
2,6-Dinitrotoluene	U		25.0	764	2	05/01/2025 23:47	WG2504788
Hexachlorobenzene	U		27.1	764	2	05/01/2025 23:47	WG2504788
Hexachloro-1,3-butadiene	U		25.7	764	2	05/01/2025 23:47	WG2504788
Hexachlorocyclopentadiene	U	C3	40.2	764	2	05/01/2025 23:47	WG2504788
Hexachloroethane	U		30.1	764	2	05/01/2025 23:47	WG2504788
Isophorone	U		23.4	764	2	05/01/2025 23:47	WG2504788
Nitrobenzene	U		26.6	764	2	05/01/2025 23:47	WG2504788
n-Nitrosodimethylamine	U		113	764	2	05/01/2025 23:47	WG2504788
n-Nitrosodiphenylamine	U		57.9	764	2	05/01/2025 23:47	WG2504788
n-Nitrosodi-n-propylamine	U		25.5	764	2	05/01/2025 23:47	WG2504788
Phenanthrene	U		15.2	76.4	2	05/01/2025 23:47	WG2504788
Benzylbutyl phthalate	U		23.9	764	2	05/01/2025 23:47	WG2504788
Bis(2-ethylhexyl)phthalate	U		96.9	764	2	05/01/2025 23:47	WG2504788
Di-n-butyl phthalate	U		26.2	764	2	05/01/2025 23:47	WG2504788
Diethyl phthalate	U		25.3	764	2	05/01/2025 23:47	WG2504788
Dimethyl phthalate	U		162	764	2	05/01/2025 23:47	WG2504788
Di-n-octyl phthalate	U		51.7	764	2	05/01/2025 23:47	WG2504788
1,2,4-Trichlorobenzene	U		23.9	764	2	05/01/2025 23:47	WG2504788
4-Chloro-3-methylphenol	U		24.8	764	2	05/01/2025 23:47	WG2504788
2-Chlorophenol	U		25.3	764	2	05/01/2025 23:47	WG2504788
2,4-Dichlorophenol	U		22.3	764	2	05/01/2025 23:47	WG2504788
2,4-Dimethylphenol	U	C3	20.0	764	2	05/01/2025 23:47	WG2504788
4,6-Dinitro-2-methylphenol	U		173	764	2	05/01/2025 23:47	WG2504788
2,4-Dinitrophenol	U		179	764	2	05/01/2025 23:47	WG2504788
2-Nitrophenol	U		27.3	764	2	05/01/2025 23:47	WG2504788
4-Nitrophenol	U		23.9	764	2	05/01/2025 23:47	WG2504788
Pentachlorophenol	U		20.5	764	2	05/01/2025 23:47	WG2504788
Phenol	U		30.8	764	2	05/01/2025 23:47	WG2504788
2,4,6-Trichlorophenol	U		24.6	764	2	05/01/2025 23:47	WG2504788
(S) 2-Fluorophenol	*75.2*			*12.0-120*		*05/01/2025 23:47*	WG2504788
(S) Phenol-d5	*63.8*			*10.0-120*		*05/01/2025 23:47*	WG2504788
(S) Nitrobenzene-d5	*51.1*			*10.0-122*		*05/01/2025 23:47*	WG2504788
(S) 2-Fluorobiphenyl	*63.4*			*15.0-120*		*05/01/2025 23:47*	WG2504788
(S) 2,4,6-Tribromophenol	*65.1*			*10.0-127*		*05/01/2025 23:47*	WG2504788
(S) p-Terphenyl-d14	*65.6*			*10.0-120*		*05/01/2025 23:47*	WG2504788

Sample Narrative:

L1853786-02 WG2504788: 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	24000000		10400	343000	1	05/02/2025 17:09	WG2504784

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	29.2		1	05/01/2025 14:24	WG2504572

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		24600	34300	1	05/02/2025 00:34	WG2504846

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	23600000		1040000	1370000	20	05/02/2025 17:09	WG2504844

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	445000		10400	343000	5	05/01/2025 23:13	WG2504784

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	92500000		434000	1700000	17	05/02/2025 17:13	WG2504842

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	1810000		20800	68500	1	05/01/2025 22:47	WG2504883
Antimony	U		2370	6850	1	05/01/2025 22:47	WG2504883
Beryllium	375	J	163	685	1	05/01/2025 22:47	WG2504883
Calcium	26300000		65100	343000	1	05/01/2025 22:47	WG2504883
Cobalt	4310		606	3430	1	05/01/2025 22:47	WG2504883
Iron	5290000		7670	34300	1	05/01/2025 22:47	WG2504883
Magnesium	4070000		68200	343000	1	05/01/2025 22:47	WG2504883
Manganese	440000		593	3430	1	05/01/2025 22:47	WG2504883
Potassium	6050000		71600	343000	1	05/01/2025 22:47	WG2504883
Sodium	3270000		141000	343000	1	05/01/2025 22:47	WG2504883
Thallium	U		1770	6850	1	05/01/2025 22:47	WG2504883
Vanadium	10100		1310	6850	1	05/01/2025 22:47	WG2504883

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	428	586	2	05/02/2025 13:33	WG2505159
Acrylonitrile	U		42.3	146	2	05/02/2025 13:33	WG2505159
Bromobenzene	U		10.5	146	2	05/02/2025 13:33	WG2505159
Bromodichloromethane	U		8.49	29.3	2	05/02/2025 13:33	WG2505159
Bromoform	U		13.7	293	2	05/02/2025 13:33	WG2505159
Bromomethane	U	C3	23.1	146	2	05/02/2025 13:33	WG2505159

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		61.5	146	2	05/02/2025 13:33	WG2505159
sec-Butylbenzene	U		33.7	146	2	05/02/2025 13:33	WG2505159
tert-Butylbenzene	U		22.8	58.6	2	05/02/2025 13:33	WG2505159
Carbon tetrachloride	U		10.5	58.6	2	05/02/2025 13:33	WG2505159
Chlorobenzene	U		2.46	29.3	2	05/02/2025 13:33	WG2505159
Chlorodibromomethane	U		7.15	29.3	2	05/02/2025 13:33	WG2505159
Chloroethane	U	C3	19.9	58.6	2	05/02/2025 13:33	WG2505159
Chloroform	U		12.1	29.3	2	05/02/2025 13:33	WG2505159
Chloromethane	U		51.0	146	2	05/02/2025 13:33	WG2505159
2-Chlorotoluene	U		10.1	29.3	2	05/02/2025 13:33	WG2505159
4-Chlorotoluene	U		5.27	58.6	2	05/02/2025 13:33	WG2505159
1,2-Dibromo-3-Chloropropane	U		45.7	293	2	05/02/2025 13:33	WG2505159
1,2-Dibromoethane	U		7.61	29.3	2	05/02/2025 13:33	WG2505159
Dibromomethane	U		8.79	58.6	2	05/02/2025 13:33	WG2505159
1,2-Dichlorobenzene	U		4.98	58.6	2	05/02/2025 13:33	WG2505159
1,3-Dichlorobenzene	U		7.03	58.6	2	05/02/2025 13:33	WG2505159
1,4-Dichlorobenzene	U		8.20	58.6	2	05/02/2025 13:33	WG2505159
Dichlorodifluoromethane	U		18.9	58.6	2	05/02/2025 13:33	WG2505159
1,1-Dichloroethane	U		5.75	29.3	2	05/02/2025 13:33	WG2505159
1,2-Dichloroethane	U		7.61	29.3	2	05/02/2025 13:33	WG2505159
1,1-Dichloroethene	U		7.09	29.3	2	05/02/2025 13:33	WG2505159
cis-1,2-Dichloroethene	U		8.61	29.3	2	05/02/2025 13:33	WG2505159
trans-1,2-Dichloroethene	U		12.2	58.6	2	05/02/2025 13:33	WG2505159
1,2-Dichloropropane	U		16.6	58.6	2	05/02/2025 13:33	WG2505159
1,1-Dichloropropene	U		9.49	29.3	2	05/02/2025 13:33	WG2505159
1,3-Dichloropropane	U		5.86	58.6	2	05/02/2025 13:33	WG2505159
cis-1,3-Dichloropropene	U		8.84	29.3	2	05/02/2025 13:33	WG2505159
trans-1,3-Dichloropropene	U		13.4	58.6	2	05/02/2025 13:33	WG2505159
2,2-Dichloropropane	U	C3	16.2	29.3	2	05/02/2025 13:33	WG2505159
Di-isopropyl ether	U		4.80	11.7	2	05/02/2025 13:33	WG2505159
Hexachloro-1,3-butadiene	U		70.3	293	2	05/02/2025 13:33	WG2505159
Isopropylbenzene	U		4.98	29.3	2	05/02/2025 13:33	WG2505159
p-Isopropyltoluene	U		29.9	58.6	2	05/02/2025 13:33	WG2505159
2-Butanone (MEK)	U		744	1170	2	05/02/2025 13:33	WG2505159
Methylene Chloride	U	C3	77.9	293	2	05/02/2025 13:33	WG2505159
4-Methyl-2-pentanone (MIBK)	U	J4	26.7	293	2	05/02/2025 13:33	WG2505159
Methyl tert-butyl ether	U		4.10	11.7	2	05/02/2025 13:33	WG2505159
n-Propylbenzene	U		11.1	58.6	2	05/02/2025 13:33	WG2505159
Styrene	U		2.68	146	2	05/02/2025 13:33	WG2505159
1,1,1,2-Tetrachloroethane	U		11.1	29.3	2	05/02/2025 13:33	WG2505159
1,1,2,2-Tetrachloroethane	U		8.14	29.3	2	05/02/2025 13:33	WG2505159
1,1,2-Trichlorotrifluoroethane	U		8.84	29.3	2	05/02/2025 13:33	WG2505159
Tetrachloroethene	U		10.5	29.3	2	05/02/2025 13:33	WG2505159
1,2,3-Trichlorobenzene	U		86.1	146	2	05/02/2025 13:33	WG2505159
1,2,4-Trichlorobenzene	U		51.5	146	2	05/02/2025 13:33	WG2505159
1,1,1-Trichloroethane	U		10.8	29.3	2	05/02/2025 13:33	WG2505159
1,1,2-Trichloroethane	U		6.97	29.3	2	05/02/2025 13:33	WG2505159
Trichloroethene	U		6.85	11.7	2	05/02/2025 13:33	WG2505159
Trichlorofluoromethane	U		9.66	29.3	2	05/02/2025 13:33	WG2505159
1,2,3-Trichloropropane	U		19.0	146	2	05/02/2025 13:33	WG2505159
1,2,3-Trimethylbenzene	U		18.5	58.6	2	05/02/2025 13:33	WG2505159
Vinyl chloride	U	C3	13.6	29.3	2	05/02/2025 13:33	WG2505159
(S) Toluene-d8	*113*			*75.0-131*		*05/02/2025 13:33*	WG2505159
(S) 4-Bromofluorobenzene	*93.0*			*67.0-138*		*05/02/2025 13:33*	WG2505159
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*		*05/02/2025 13:33*	WG2505159

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		321	2280	20	05/01/2025 21:44	WG2504788
Benzidine	U		4280	114000	20	05/01/2025 21:44	WG2504788
Benzo(g,h,i)perylene	U		418	2280	20	05/01/2025 21:44	WG2504788
Bis(2-chlorethoxy)methane	U		685	22800	20	05/01/2025 21:44	WG2504788
Bis(2-chloroethyl)ether	U	C3	754	22800	20	05/01/2025 21:44	WG2504788
2,2-Oxybis(1-Chloropropane)	U	C3	987	22800	20	05/01/2025 21:44	WG2504788
4-Bromophenyl-phenylether	U		802	22800	20	05/01/2025 21:44	WG2504788
2-Chloronaphthalene	U		401	2280	20	05/01/2025 21:44	WG2504788
4-Chlorophenyl-phenylether	U		795	22800	20	05/01/2025 21:44	WG2504788
1,2-Dichlorobenzene	U		675	22800	20	05/01/2025 21:44	WG2504788
1,3-Dichlorobenzene	U		692	22800	20	05/01/2025 21:44	WG2504788
1,4-Dichlorobenzene	U		678	22800	20	05/01/2025 21:44	WG2504788
3,3-Dichlorobenzidine	U		843	22800	20	05/01/2025 21:44	WG2504788
2,4-Dinitrotoluene	U		654	22800	20	05/01/2025 21:44	WG2504788
2,6-Dinitrotoluene	U		747	22800	20	05/01/2025 21:44	WG2504788
Hexachlorobenzene	U		809	22800	20	05/01/2025 21:44	WG2504788
Hexachloro-1,3-butadiene	U		767	22800	20	05/01/2025 21:44	WG2504788
Hexachlorocyclopentadiene	U	C3	1200	22800	20	05/01/2025 21:44	WG2504788
Hexachloroethane	U		898	22800	20	05/01/2025 21:44	WG2504788
Isophorone	U		699	22800	20	05/01/2025 21:44	WG2504788
Nitrobenzene	U		795	22800	20	05/01/2025 21:44	WG2504788
n-Nitrosodimethylamine	U		3380	22800	20	05/01/2025 21:44	WG2504788
n-Nitrosodiphenylamine	U		1730	22800	20	05/01/2025 21:44	WG2504788
n-Nitrosodi-n-propylamine	U		761	22800	20	05/01/2025 21:44	WG2504788
Phenanthrene	U		452	2280	20	05/01/2025 21:44	WG2504788
Benzylbutyl phthalate	U		713	22800	20	05/01/2025 21:44	WG2504788
Bis(2-ethylhexyl)phthalate	U		2890	22800	20	05/01/2025 21:44	WG2504788
Di-n-butyl phthalate	U		781	22800	20	05/01/2025 21:44	WG2504788
Diethyl phthalate	U		754	22800	20	05/01/2025 21:44	WG2504788
Dimethyl phthalate	U		4830	22800	20	05/01/2025 21:44	WG2504788
Di-n-octyl phthalate	U		1540	22800	20	05/01/2025 21:44	WG2504788
1,2,4-Trichlorobenzene	U		713	22800	20	05/01/2025 21:44	WG2504788
4-Chloro-3-methylphenol	U		740	22800	20	05/01/2025 21:44	WG2504788
2-Chlorophenol	U		754	22800	20	05/01/2025 21:44	WG2504788
2,4-Dichlorophenol	U		665	22800	20	05/01/2025 21:44	WG2504788
2,4-Dimethylphenol	U	C3	596	22800	20	05/01/2025 21:44	WG2504788
4,6-Dinitro-2-methylphenol	U		5170	22800	20	05/01/2025 21:44	WG2504788
2,4-Dinitrophenol	U		5340	22800	20	05/01/2025 21:44	WG2504788
2-Nitrophenol	U		815	22800	20	05/01/2025 21:44	WG2504788
4-Nitrophenol	U		713	22800	20	05/01/2025 21:44	WG2504788
Pentachlorophenol	U		613	22800	20	05/01/2025 21:44	WG2504788
Phenol	U		918	22800	20	05/01/2025 21:44	WG2504788
2,4,6-Trichlorophenol	U		733	22800	20	05/01/2025 21:44	WG2504788
(S) 2-Fluorophenol	*71.3*	J7		*12.0-120*		*05/01/2025 21:44*	WG2504788
(S) Phenol-d5	*49.7*	J7		*10.0-120*		*05/01/2025 21:44*	WG2504788
(S) Nitrobenzene-d5	*71.6*	J7		*10.0-122*		*05/01/2025 21:44*	WG2504788
(S) 2-Fluorobiphenyl	*77.0*	J7		*15.0-120*		*05/01/2025 21:44*	WG2504788
(S) 2,4,6-Tribromophenol	*68.6*	J7		*10.0-127*		*05/01/2025 21:44*	WG2504788
(S) p-Terphenyl-d14	*78.2*	J7		*10.0-120*		*05/01/2025 21:44*	WG2504788

Sample Narrative:

L1853786-03 WG2504788: Cannot run at lower dilution due to viscosity of extract

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	C3	11.3	50.0	1	05/01/2025 18:08	WG2504740
Acrolein	U		2.54	50.0	1	05/01/2025 18:08	WG2504740
Acrylonitrile	U		0.671	10.0	1	05/01/2025 18:08	WG2504740
Benzene	U		0.0941	1.00	1	05/01/2025 18:08	WG2504740
Bromobenzene	U		0.118	1.00	1	05/01/2025 18:08	WG2504740
Bromodichloromethane	U		0.136	1.00	1	05/01/2025 18:08	WG2504740
Bromoform	U		0.129	1.00	1	05/01/2025 18:08	WG2504740
Bromomethane	U		0.605	5.00	1	05/01/2025 18:08	WG2504740
n-Butylbenzene	U		0.157	1.00	1	05/01/2025 18:08	WG2504740
sec-Butylbenzene	U		0.125	1.00	1	05/01/2025 18:08	WG2504740
tert-Butylbenzene	U		0.127	1.00	1	05/01/2025 18:08	WG2504740
Carbon tetrachloride	U		0.128	1.00	1	05/01/2025 18:08	WG2504740
Chlorobenzene	U		0.116	1.00	1	05/01/2025 18:08	WG2504740
Chlorodibromomethane	U		0.140	1.00	1	05/01/2025 18:08	WG2504740
Chloroethane	U		0.192	5.00	1	05/01/2025 18:08	WG2504740
Chloroform	U		0.111	5.00	1	05/01/2025 18:08	WG2504740
Chloromethane	U		0.960	2.50	1	05/01/2025 18:08	WG2504740
2-Chlorotoluene	U		0.106	1.00	1	05/01/2025 18:08	WG2504740
4-Chlorotoluene	U		0.114	1.00	1	05/01/2025 18:08	WG2504740
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/01/2025 18:08	WG2504740
1,2-Dibromoethane	U		0.126	1.00	1	05/01/2025 18:08	WG2504740
Dibromomethane	U		0.122	1.00	1	05/01/2025 18:08	WG2504740
1,2-Dichlorobenzene	U		0.107	1.00	1	05/01/2025 18:08	WG2504740
1,3-Dichlorobenzene	U		0.110	1.00	1	05/01/2025 18:08	WG2504740
1,4-Dichlorobenzene	U		0.120	1.00	1	05/01/2025 18:08	WG2504740
Dichlorodifluoromethane	U	J4	0.374	5.00	1	05/01/2025 18:08	WG2504740
1,1-Dichloroethane	U		0.100	1.00	1	05/01/2025 18:08	WG2504740
1,2-Dichloroethane	U	J3 J4	0.0819	1.00	1	05/01/2025 18:08	WG2504740
1,1-Dichloroethene	U		0.188	1.00	1	05/01/2025 18:08	WG2504740
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/01/2025 18:08	WG2504740
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/01/2025 18:08	WG2504740
1,2-Dichloropropane	U		0.149	1.00	1	05/01/2025 18:08	WG2504740
1,1-Dichloropropene	U		0.142	1.00	1	05/01/2025 18:08	WG2504740
1,3-Dichloropropane	U		0.110	1.00	1	05/01/2025 18:08	WG2504740
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/01/2025 18:08	WG2504740
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/01/2025 18:08	WG2504740
2,2-Dichloropropane	U	C3 J3	0.161	1.00	1	05/01/2025 18:08	WG2504740
Di-isopropyl ether	U		0.105	1.00	1	05/01/2025 18:08	WG2504740
Ethylbenzene	U		0.137	1.00	1	05/01/2025 18:08	WG2504740
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/01/2025 18:08	WG2504740
Isopropylbenzene	U		0.105	1.00	1	05/01/2025 18:08	WG2504740
p-Isopropyltoluene	U		0.120	1.00	1	05/01/2025 18:08	WG2504740
2-Butanone (MEK)	U		1.19	10.0	1	05/01/2025 18:08	WG2504740
Methylene Chloride	U		0.430	5.00	1	05/01/2025 18:08	WG2504740
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/01/2025 18:08	WG2504740
Methyl tert-butyl ether	U		0.101	1.00	1	05/01/2025 18:08	WG2504740
Naphthalene	U	C3	1.00	5.00	1	05/01/2025 18:08	WG2504740
n-Propylbenzene	U		0.0993	1.00	1	05/01/2025 18:08	WG2504740
Styrene	U		0.118	1.00	1	05/01/2025 18:08	WG2504740
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/01/2025 18:08	WG2504740
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/01/2025 18:08	WG2504740
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	05/01/2025 18:08	WG2504740
Tetrachloroethene	U		0.300	1.00	1	05/01/2025 18:08	WG2504740
Toluene	U		0.278	1.00	1	05/01/2025 18:08	WG2504740
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/01/2025 18:08	WG2504740
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/01/2025 18:08	WG2504740

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	05/01/2025 18:08	WG2504740
1,1,2-Trichloroethane	U		0.158	1.00	1	05/01/2025 18:08	WG2504740
Trichloroethene	U		0.190	1.00	1	05/01/2025 18:08	WG2504740
Trichlorofluoromethane	U	C3	0.160	5.00	1	05/01/2025 18:08	WG2504740
1,2,3-Trichloropropane	U		0.237	2.50	1	05/01/2025 18:08	WG2504740
1,2,4-Trimethylbenzene	U		0.322	1.00	1	05/01/2025 18:08	WG2504740
1,2,3-Trimethylbenzene	U		0.104	1.00	1	05/01/2025 18:08	WG2504740
1,3,5-Trimethylbenzene	U		0.104	1.00	1	05/01/2025 18:08	WG2504740
Vinyl chloride	U		0.234	1.00	1	05/01/2025 18:08	WG2504740
Xylenes, Total	U		0.174	3.00	1	05/01/2025 18:08	WG2504740
(S) Toluene-d8	*104*			*80.0-120*		*05/01/2025 18:08*	WG2504740
(S) 4-Bromofluorobenzene	*99.6*			*77.0-126*		*05/01/2025 18:08*	WG2504740
(S) 1,2-Dichloroethane-d4	*95.9*			*70.0-130*		*05/01/2025 18:08*	WG2504740

Method Blank (MB)

(MB) R4208637-1 05/01/25 14:24

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

L1853779-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1853779-03 05/01/25 14:24 • (DUP) R4208637-3 05/01/25 14:24

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	77.6	77.2	1	0.472		10

Laboratory Control Sample (LCS)

(LCS) R4208637-2 05/01/25 14:24

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) R4208607-1 05/02/25 00:02

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

L1853779-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1853779-01 05/02/25 00:05 • (DUP) R4208607-3 05/02/25 00:07

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

L1853779-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1853779-02 05/02/25 00:08 • (DUP) R4208607-4 05/02/25 00:10

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	8080	7950	1	1.62	J	20

Laboratory Control Sample (LCS)

(LCS) R4208607-2 05/02/25 00:04

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	250000	274000	110	90.0-110	

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

(OS) L1853779-03 05/02/25 00:11 • (MS) R4208607-5 05/02/25 00:13 • (MSD) R4208607-6 05/02/25 00:14

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	322000	U	321000	319000	99.6	98.9	1	90.0-110			0.653	20

Method Blank (MB)

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

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

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

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

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

Laboratory Control Sample (LCS)

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

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

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

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

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	291000	U	302000	298000	104	102	1	90.0-110			1.23	20

Method Blank (MB)

(MB) R4209110-1 05/02/25 14:59

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

L1853779-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1853779-02 05/02/25 15:04 • (DUP) R4209110-4 05/02/25 15:06

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	2400000	2470000	10	2.97		20

L1853782-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1853782-01 05/02/25 15:11 • (DUP) R4209110-7 05/02/25 15:15

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	1970000	1980000	10	0.610		20

Laboratory Control Sample (LCS)

(LCS) R4209110-2 05/02/25 15:01

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	480000	480000	100	81.7-124	

L1853779-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1853779-01 05/02/25 15:02 • (MS) R4209110-3 05/02/25 15:03

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	433000	2120000	2530000	95.0	10	81.7-124	

QUALITY CONTROL SUMMARY

L1853786-02,03

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

(OS) L1853779-03 05/02/25 15:07 • (MS) R4209110-5 05/02/25 15:08 • (MSD) R4209110-6 05/02/25 15:09

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	516000	2400000	2420000	2270000	4.00	0.000	10	81.7-124	V	V	6.38	20

Method Blank (MB)

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

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

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

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

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

Laboratory Control Sample (LCS)

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

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

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

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

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	466000	2080000	2440000	2420000	78.0	74.7	10	81.7-124	V	V	0.626	20

Method Blank (MB)

(MB) R4208627-1 05/01/25 19:24

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) R4208627-2 05/01/25 19:38

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40000	39300	98.3	80.0-120	

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

(OS) L1853786-01 05/01/25 20:58 • (MS) R4208627-3 05/02/25 00:07 • (MSD) R4208627-4 05/02/25 00:21

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	46600	68900	117000	113000	104	95.0	1	80.0-120			3.73	15

Method Blank (MB)

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

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

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

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

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

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

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

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

Laboratory Control Sample (LCS)

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

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

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

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

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC By Walkley Black	32000000	29900000	62000000	68800000	100	108	8	80.0-120			10.4	20

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

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

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC By Walkley Black	40000000	35600000	73100000	64900000	93.6	81.3	10	80.0-120			11.9	20

Method Blank (MB)

(MB) R4209100-1 05/02/25 17:07

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

L1853779-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1853779-01 05/02/25 17:08 • (DUP) R4209100-3 05/02/25 17:09

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	24900000	22900000	5	8.31		20

Laboratory Control Sample (LCS)

(LCS) R4209100-2 05/02/25 17:08

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC By Walkley Black	3230000	4240000	131	75.0-144	

L1853782-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853782-01 05/02/25 17:09 • (MS) R4209100-4 05/02/25 17:10 • (MSD) R4209100-5 05/02/25 17:11

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	25100000	44300000	44800000	96.3	98.9	5	80.0-120			1.16	20

Method Blank (MB)

(MB) R4208623-1 05/01/25 22:03

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) R4208623-2 05/01/25 22:04

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000000	1010000	101	80.0-120	
Antimony	100000	104000	104	80.0-120	
Beryllium	100000	111000	111	80.0-120	
Calcium	1000000	1060000	106	80.0-120	
Cobalt	100000	104000	104	80.0-120	
Iron	1000000	1090000	109	80.0-120	
Magnesium	1000000	1060000	106	80.0-120	
Manganese	100000	112000	112	80.0-120	
Potassium	1000000	1070000	107	80.0-120	
Sodium	1000000	1080000	108	80.0-120	
Thallium	100000	109000	109	80.0-120	
Vanadium	100000	108000	108	80.0-120	

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

(OS) L1853786-01 05/01/25 22:06 • (MS) R4208623-5 05/01/25 22:12 • (MSD) R4208623-6 05/01/25 22:14

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	1170000	3140000	4790000	3830000	141	58.9	1	75.0-125	J5	J3 J6	22.3	20
Antimony	117000	U	87900	92000	75.4	78.9	1	75.0-125			4.49	20

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

(OS) L1853786-01 05/01/25 22:06 • (MS) R4208623-5 05/01/25 22:12 • (MSD) R4208623-6 05/01/25 22:14

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Beryllium	117000	561	112000	116000	95.4	98.6	1	75.0-125			3.31	20
Calcium	1170000	8720000	9570000	9640000	73.3	78.8	1	75.0-125	V		0.672	20
Cobalt	117000	4670	112000	114000	92.5	94.2	1	75.0-125			1.73	20
Iron	1170000	3860000	4700000	4110000	71.8	21.4	1	75.0-125	J6	J6	13.3	20
Magnesium	1170000	2250000	3620000	3130000	117	75.5	1	75.0-125			14.5	20
Manganese	117000	306000	296000	290000	0.000	0.000	1	75.0-125	J6	J6	2.18	20
Potassium	1170000	2390000	3510000	3270000	95.9	75.5	1	75.0-125			7.00	20
Sodium	1170000	225000	1320000	1330000	93.8	95.1	1	75.0-125			1.11	20
Thallium	117000	U	110000	113000	93.9	97.0	1	75.0-125			3.20	20
Vanadium	117000	14700	119000	122000	89.5	92.0	1	75.0-125			2.39	20

Method Blank (MB)

(MB) R4208652-3 05/01/25 15:50

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) R4208652-3 05/01/25 15:50

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Methylene Chloride	U		6.64	25.0
4-Methyl-2-pentanone (MIBK)	U		2.28	25.0
Methyl tert-butyl ether	U		0.350	1.00
n-Propylbenzene	U		0.950	5.00
Styrene	U		0.229	12.5
1,1,1,2-Tetrachloroethane	U		0.948	2.50
1,1,2,2-Tetrachloroethane	U		0.695	2.50
1,1,2-Trichlorotrifluoroethane	U		0.754	2.50
Tetrachloroethene	U		0.896	2.50
1,2,3-Trichlorobenzene	U		7.33	12.5
1,2,4-Trichlorobenzene	U		4.40	12.5
1,1,1-Trichloroethane	U		0.923	2.50
1,1,2-Trichloroethane	U		0.597	2.50
Trichloroethene	U		0.584	1.00
Trichlorofluoromethane	U		0.827	2.50
1,2,3-Trichloropropane	U		1.62	12.5
1,2,3-Trimethylbenzene	U		1.58	5.00
Vinyl chloride	U		1.16	2.50
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*103*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*98.2*			*70.0-130*

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

(LCS) R4208652-1 05/01/25 13:30 • (LCSD) R4208652-2 05/01/25 14:32

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	625	384	843	61.4	135	10.0-160		J3	74.8	31
Acrylonitrile	625	747	1020	120	163	45.0-153		J3 J4	30.9	22
Bromobenzene	125	135	123	108	98.4	73.0-121			9.30	20
Bromodichloromethane	125	129	129	103	103	73.0-121			0.000	20
Bromoform	125	149	167	119	134	64.0-132		J4	11.4	20
Bromomethane	125	112	114	89.6	91.2	56.0-147			1.77	20
n-Butylbenzene	125	94.6	94.1	75.7	75.3	68.0-135			0.530	20
sec-Butylbenzene	125	114	106	91.2	84.8	74.0-130			7.27	20
tert-Butylbenzene	125	114	107	91.2	85.6	75.0-127			6.33	20
Carbon tetrachloride	125	124	134	99.2	107	66.0-128			7.75	20
Chlorobenzene	125	135	134	108	107	76.0-128			0.743	20
Chlorodibromomethane	125	147	150	118	120	74.0-127			2.02	20

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

(LCS) R4208652-1 05/01/25 13:30 • (LCSD) R4208652-2 05/01/25 14:32

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloroethane	125	125	115	100	92.0	61.0-134			8.33	20
Chloroform	125	115	117	92.0	93.6	72.0-123			1.72	20
Chloromethane	125	113	116	90.4	92.8	51.0-138			2.62	20
2-Chlorotoluene	125	127	130	102	104	75.0-124			2.33	20
4-Chlorotoluene	125	117	111	93.6	88.8	75.0-124			5.26	20
1,2-Dibromo-3-Chloropropane	125	95.6	133	76.5	106	59.0-130		J3	32.7	20
1,2-Dibromoethane	125	135	144	108	115	74.0-128			6.45	20
Dibromomethane	125	132	140	106	112	75.0-122			5.88	20
1,2-Dichlorobenzene	125	137	135	110	108	76.0-124			1.47	20
1,3-Dichlorobenzene	125	124	120	99.2	96.0	76.0-125			3.28	20
1,4-Dichlorobenzene	125	130	124	104	99.2	77.0-121			4.72	20
Dichlorodifluoromethane	125	120	116	96.0	92.8	43.0-156			3.39	20
1,1-Dichloroethane	125	135	135	108	108	70.0-127			0.000	20
1,2-Dichloroethane	125	117	124	93.6	99.2	65.0-131			5.81	20
1,1-Dichloroethene	125	112	113	89.6	90.4	65.0-131			0.889	20
cis-1,2-Dichloroethene	125	141	143	113	114	73.0-125			1.41	20
trans-1,2-Dichloroethene	125	138	136	110	109	71.0-125			1.46	20
1,2-Dichloropropane	125	135	138	108	110	74.0-125			2.20	20
1,1-Dichloropropene	125	115	114	92.0	91.2	73.0-125			0.873	20
1,3-Dichloropropane	125	135	137	108	110	80.0-125			1.47	20
cis-1,3-Dichloropropene	125	126	127	101	102	76.0-127			0.791	20
trans-1,3-Dichloropropene	125	123	124	98.4	99.2	73.0-127			0.810	20
2,2-Dichloropropane	125	111	124	88.8	99.2	59.0-135			11.1	20
Di-isopropyl ether	125	126	142	101	114	60.0-136			11.9	20
Hexachloro-1,3-butadiene	125	78.6	72.7	62.9	58.2	57.0-150			7.80	20
Isopropylbenzene	125	122	125	97.6	100	72.0-127			2.43	20
p-Isopropyltoluene	125	111	107	88.8	85.6	72.0-133			3.67	20
2-Butanone (MEK)	625	461	934	73.8	149	30.0-160		J3	67.8	24
Methylene Chloride	125	131	135	105	108	68.0-123			3.01	20
4-Methyl-2-pentanone (MIBK)	625	634	914	101	146	56.0-143		J3 J4	36.2	20
Methyl tert-butyl ether	125	120	154	96.0	123	66.0-132		J3	24.8	20
n-Propylbenzene	125	120	113	96.0	90.4	74.0-126			6.01	20
Styrene	125	132	132	106	106	72.0-127			0.000	20
1,1,1,2-Tetrachloroethane	125	144	157	115	126	74.0-129			8.64	20
1,1,2,2-Tetrachloroethane	125	128	150	102	120	68.0-128			15.8	20
1,1,2-Trichlorotrifluoroethane	125	122	120	97.6	96.0	61.0-139			1.65	20
Tetrachloroethene	125	125	121	100	96.8	70.0-136			3.25	20
1,2,3-Trichlorobenzene	125	78.5	73.1	62.8	58.5	59.0-139		J4	7.12	20
1,2,4-Trichlorobenzene	125	82.1	80.4	65.7	64.3	62.0-137			2.09	20
1,1,1-Trichloroethane	125	122	130	97.6	104	69.0-126			6.35	20

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

(LCS) R4208652-1 05/01/25 13:30 • (LCSD) R4208652-2 05/01/25 14:32

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichloroethane	125	142	149	114	119	78.0-123			4.81	20
Trichloroethene	125	129	124	103	99.2	76.0-126			3.95	20
Trichlorofluoromethane	125	120	124	96.0	99.2	61.0-142			3.28	20
1,2,3-Trichloropropane	125	129	158	103	126	67.0-129		J3	20.2	20
1,2,3-Trimethylbenzene	125	114	109	91.2	87.2	74.0-124			4.48	20
Vinyl chloride	125	120	118	96.0	94.4	63.0-134			1.68	20
(S) Toluene-d8				*101*	*101*	*75.0-131*				
(S) 4-Bromofluorobenzene				*99.4*	*103*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*92.9*	*98.4*	*70.0-130*				

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

(OS) L1853779-03 05/01/25 17:03 • (MS) R4208652-4 05/01/25 20:37 • (MSD) R4208652-5 05/01/25 20:56

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	987	U	549	1320	55.7	134	1	10.0-160		J3	82.4	40
Acrylonitrile	987	U	1200	1510	121	153	1	10.0-160			23.1	40
Bromobenzene	197	U	119	112	60.3	56.9	1	10.0-156			5.87	38
Bromodichloromethane	197	U	112	110	56.6	55.6	1	10.0-143			1.85	37
Bromoform	197	U	167	174	84.8	88.0	1	10.0-146			3.70	36
Bromomethane	197	U	61.4	40.1	31.1	20.3	1	10.0-149		J3	42.0	38
n-Butylbenzene	197	U	83.7	75.0	42.4	38.0	1	10.0-160			10.9	40
sec-Butylbenzene	197	U	89.2	72.3	45.2	36.6	1	10.0-159			20.9	39
tert-Butylbenzene	197	U	91.4	74.4	46.3	37.7	1	10.0-156			20.6	39
Carbon tetrachloride	197	U	79.4	70.6	40.2	35.8	1	10.0-145			11.8	37
Chlorobenzene	197	U	117	113	59.1	57.4	1	10.0-152			2.88	39
Chlorodibromomethane	197	U	140	137	71.1	69.2	1	10.0-146			2.74	37
Chloroethane	197	U	55.9	28.3	28.3	14.3	1	10.0-146		J3	65.7	40
Chloroform	197	U	82.9	89.0	42.0	45.1	1	10.0-146			7.16	37
Chloromethane	197	U	66.6	65.0	33.8	33.0	1	10.0-159			2.40	37
2-Chlorotoluene	197	U	106	99.0	53.8	50.2	1	10.0-159			6.93	38
4-Chlorotoluene	197	U	95.0	88.6	48.2	44.9	1	10.0-155			7.05	39
1,2-Dibromo-3-Chloropropane	197	U	141	156	71.4	78.9	1	10.0-151			10.0	39
1,2-Dibromoethane	197	U	154	156	77.9	79.3	1	10.0-148			1.73	34
Dibromomethane	197	U	135	152	68.3	77.0	1	10.0-147			12.0	35
1,2-Dichlorobenzene	197	U	139	139	70.3	70.4	1	10.0-155			0.114	37
1,3-Dichlorobenzene	197	U	109	109	55.0	55.0	1	10.0-153			0.000	38
1,4-Dichlorobenzene	197	U	117	117	59.4	59.4	1	10.0-151			0.000	38
Dichlorodifluoromethane	197	U	73.1	59.8	37.0	30.3	1	10.0-160			20.0	35

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

(OS) L1853779-03 05/01/25 17:03 • (MS) R4208652-4 05/01/25 20:37 • (MSD) R4208652-5 05/01/25 20:56

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1-Dichloroethane	197	U	91.4	93.5	46.3	47.4	1	10.0-147			2.22	37
1,2-Dichloroethane	197	U	120	124	60.6	63.0	1	10.0-148			3.89	35
1,1-Dichloroethene	197	U	62.2	54.0	31.5	27.4	1	10.0-155			14.1	37
cis-1,2-Dichloroethene	197	U	102	111	51.5	56.2	1	10.0-149			8.76	37
trans-1,2-Dichloroethene	197	U	77.0	78.0	39.0	39.5	1	10.0-150			1.22	37
1,2-Dichloropropane	197	U	120	118	61.0	60.0	1	10.0-148			1.72	37
1,1-Dichloropropene	197	U	68.4	62.2	34.6	31.5	1	10.0-153			9.43	35
1,3-Dichloropropane	197	U	145	150	73.6	76.2	1	10.0-154			3.52	35
cis-1,3-Dichloropropene	197	U	113	113	57.4	57.0	1	10.0-151			0.559	37
trans-1,3-Dichloropropene	197	U	118	121	59.8	61.3	1	10.0-148			2.38	37
2,2-Dichloropropane	197	U	60.3	61.7	30.6	31.3	1	10.0-138			2.33	36
Di-isopropyl ether	197	U	121	127	61.5	64.5	1	10.0-147			4.70	36
Hexachloro-1,3-butadiene	197	U	85.4	102	43.3	51.7	1	10.0-160			17.7	40
Isopropylbenzene	197	U	96.3	88.7	48.8	45.0	1	10.0-155			8.19	38
p-Isopropyltoluene	197	U	91.9	78.8	46.6	39.9	1	10.0-160			15.4	40
2-Butanone (MEK)	987	U	911	1310	92.3	133	1	10.0-160			35.8	40
Methylene Chloride	197	U	111	87.5	56.2	44.3	1	10.0-141			23.7	37
4-Methyl-2-pentanone (MIBK)	987	U	1000	1140	101	116	1	10.0-160			13.3	35
Methyl tert-butyl ether	197	U	143	166	72.2	84.0	1	11.0-147			15.1	35
n-Propylbenzene	197	U	89.5	74.0	45.4	37.5	1	10.0-158			18.9	38
Styrene	197	U	119	117	60.5	59.0	1	10.0-160			2.41	40
1,1,1,2-Tetrachloroethane	197	U	133	130	67.4	65.7	1	10.0-149			2.64	39
1,1,2,2-Tetrachloroethane	197	U	145	120	73.4	60.7	1	10.0-160			19.0	35
1,1,2-Trichlorotrifluoroethane	197	U	74.2	59.0	37.6	29.9	1	10.0-160			22.7	36
Tetrachloroethene	197	U	85.4	76.1	43.3	38.6	1	10.0-156			11.5	39
1,2,3-Trichlorobenzene	197	U	110	134	55.8	67.7	1	10.0-160			19.2	40
1,2,4-Trichlorobenzene	197	U	99.0	126	50.2	63.7	1	10.0-160			23.8	40
1,1,1-Trichloroethane	197	U	81.6	77.5	41.4	39.3	1	10.0-144			5.16	35
1,1,2-Trichloroethane	197	U	161	164	81.6	83.2	1	10.0-160			1.94	35
Trichloroethene	197	U	97.4	111	49.4	56.0	1	10.0-156			12.6	38
Trichlorofluoromethane	197	U	52.9	19.1	26.8	9.68	1	10.0-160		J3 J6	93.9	40
1,2,3-Trichloropropane	197	U	175	172	88.8	87.2	1	10.0-156			1.82	35
1,2,3-Trimethylbenzene	197	U	101	97.3	51.0	49.3	1	10.0-160			3.35	36
Vinyl chloride	197	U	71.8	64.3	36.4	32.6	1	10.0-160			11.1	37
(S) Toluene-d8					*101*	*101*		*75.0-131*				
(S) 4-Bromofluorobenzene					*103*	*107*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*93.6*	*97.2*		*70.0-130*				

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

(OS) L1853786-01 05/01/25 18:21 • (MS) R4208652-6 05/01/25 21:15 • (MSD) R4208652-7 05/01/25 21:35

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	832	U	420	950	50.4	114	1	10.0-160		J3	77.4	40
Acrylonitrile	832	U	1240	1280	148	154	1	10.0-160			3.70	40
Bromobenzene	166	U	152	100	91.2	60.2	1	10.0-156		J3	40.9	38
Bromodichloromethane	166	U	156	98.6	93.6	59.2	1	10.0-143		J3	45.0	37
Bromoform	166	U	189	145	114	87.2	1	10.0-146			26.3	36
Bromomethane	166	U	94.3	48.1	56.6	28.9	1	10.0-149		J3	64.9	38
n-Butylbenzene	166	U	121	87.9	72.9	52.8	1	10.0-160			32.0	40
sec-Butylbenzene	166	U	137	89.1	82.4	53.5	1	10.0-159		J3	42.5	39
tert-Butylbenzene	166	U	139	86.2	83.2	51.8	1	10.0-156		J3	46.6	39
Carbon tetrachloride	166	U	157	82.6	94.4	49.6	1	10.0-145		J3	62.2	37
Chlorobenzene	166	U	166	103	100	61.9	1	10.0-152		J3	47.0	39
Chlorodibromomethane	166	U	169	121	102	72.7	1	10.0-146			33.1	37
Chloroethane	166	U	91.6	35.8	55.0	21.5	1	10.0-146		J3	87.6	40
Chloroform	166	U	141	85.1	84.8	51.1	1	10.0-146		J3	49.6	37
Chloromethane	166	U	123	62.6	74.0	37.6	1	10.0-159		J3	65.2	37
2-Chlorotoluene	166	U	159	98.4	95.2	59.1	1	10.0-159		J3	46.8	38
4-Chlorotoluene	166	U	139	85.9	83.2	51.6	1	10.0-155		J3	46.9	39
1,2-Dibromo-3-Chloropropane	166	U	157	136	94.4	81.6	1	10.0-151			14.5	39
1,2-Dibromoethane	166	U	170	130	102	78.1	1	10.0-148			27.0	34
Dibromomethane	166	U	160	126	96.0	75.6	1	10.0-147			23.8	35
1,2-Dichlorobenzene	166	U	177	129	106	77.4	1	10.0-155			31.6	37
1,3-Dichlorobenzene	166	U	160	104	96.0	62.3	1	10.0-153		J3	42.5	38
1,4-Dichlorobenzene	166	U	161	107	96.8	64.5	1	10.0-151		J3	40.1	38
Dichlorodifluoromethane	166	U	140	71.9	84.0	43.2	1	10.0-160		J3	64.2	35
1,1-Dichloroethane	166	U	163	94.0	97.6	56.5	1	10.0-147		J3	53.4	37
1,2-Dichloroethane	166	U	145	106	87.2	63.6	1	10.0-148			31.3	35
1,1-Dichloroethene	166	U	124	63.0	74.6	37.8	1	10.0-155		J3	65.3	37
cis-1,2-Dichloroethene	166	U	164	106	98.4	63.9	1	10.0-149		J3	42.5	37
trans-1,2-Dichloroethene	166	U	152	82.6	91.2	49.6	1	10.0-150		J3	59.1	37
1,2-Dichloropropane	166	U	170	110	102	66.0	1	10.0-148		J3	43.2	37
1,1-Dichloropropene	166	U	133	70.7	79.8	42.5	1	10.0-153		J3	61.1	35
1,3-Dichloropropane	166	U	168	124	101	74.2	1	10.0-154			30.3	35
cis-1,3-Dichloropropene	166	U	152	102	91.2	61.1	1	10.0-151		J3	39.5	37
trans-1,3-Dichloropropene	166	U	148	98.2	88.8	59.0	1	10.0-148		J3	40.4	37
2,2-Dichloropropane	166	U	119	64.1	71.8	38.5	1	10.0-138		J3	60.4	36
Di-isopropyl ether	166	U	169	115	102	69.2	1	10.0-147		J3	37.9	36
Hexachloro-1,3-butadiene	166	U	117	116	70.3	69.7	1	10.0-160			0.914	40
Isopropylbenzene	166	U	156	97.0	93.6	58.2	1	10.0-155		J3	46.6	38
p-Isopropyltoluene	166	U	139	94.0	83.2	56.5	1	10.0-160			38.3	40

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

(OS) L1853786-01 05/01/25 18:21 • (MS) R4208652-6 05/01/25 21:15 • (MSD) R4208652-7 05/01/25 21:35

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2-Butanone (MEK)	832	U	852	1010	102	121	1	10.0-160			16.5	40
Methylene Chloride	166	U	155	97.6	92.8	58.6	1	10.0-141		J3	45.1	37
4-Methyl-2-pentanone (MIBK)	832	U	1010	915	122	110	1	10.0-160			10.1	35
Methyl tert-butyl ether	166	U	180	143	108	85.6	1	11.0-147			23.1	35
n-Propylbenzene	166	U	141	85.5	84.8	51.4	1	10.0-158		J3	49.1	38
Styrene	166	U	165	110	99.2	66.1	1	10.0-160		J3	40.1	40
1,1,1,2-Tetrachloroethane	166	U	189	119	114	71.5	1	10.0-149		J3	45.5	39
1,1,2,2-Tetrachloroethane	166	U	161	120	96.8	71.8	1	10.0-160			29.6	35
1,1,2-Trichlorotrifluoroethane	166	U	151	71.9	90.4	43.2	1	10.0-160		J3	70.7	36
Tetrachloroethene	166	U	149	84.4	89.6	50.7	1	10.0-156		J3	55.4	39
1,2,3-Trichlorobenzene	166	U	139	127	83.2	76.2	1	10.0-160			8.73	40
1,2,4-Trichlorobenzene	166	U	129	120	77.4	72.2	1	10.0-160			6.95	40
1,1,1-Trichloroethane	166	U	159	64.3	95.2	38.6	1	10.0-144		J3	84.5	35
1,1,2-Trichloroethane	166	U	178	136	107	81.6	1	10.0-160			27.1	35
Trichloroethene	166	U	159	93.8	95.2	56.3	1	10.0-156		J3	51.3	38
Trichlorofluoromethane	166	U	108	36.1	64.7	21.7	1	10.0-160		J3	99.6	40
1,2,3-Trichloropropane	166	U	173	147	104	88.0	1	10.0-156			16.7	35
1,2,3-Trimethylbenzene	166	U	139	92.8	83.2	55.8	1	10.0-160		J3	39.5	36
Vinyl chloride	166	U	131	67.5	78.6	40.6	1	10.0-160		J3	63.8	37
(S) Toluene-d8					*101*	*100*		*75.0-131*				
(S) 4-Bromofluorobenzene					*102*	*105*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*95.3*	*96.6*		*70.0-130*				

Method Blank (MB)

(MB) R4208928-3 05/02/25 11:05

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) R4208928-3 05/02/25 11:05

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	*120*			*75.0-131*
(S) 4-Bromofluorobenzene	*89.7*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*95.9*			*70.0-130*

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

(LCS) R4208928-1 05/02/25 09:08 • (LCSD) R4208928-2 05/02/25 09:27

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	625	366	392	58.6	62.7	10.0-160			6.86	31
Acrylonitrile	625	765	710	122	114	45.0-153			7.46	22
Bromobenzene	125	119	115	95.2	92.0	73.0-121			3.42	20
Bromodichloromethane	125	124	122	99.2	97.6	73.0-121			1.63	20
Bromoform	125	113	110	90.4	88.0	64.0-132			2.69	20
Bromomethane	125	81.2	80.1	65.0	64.1	56.0-147			1.36	20
n-Butylbenzene	125	122	117	97.6	93.6	68.0-135			4.18	20
sec-Butylbenzene	125	121	117	96.8	93.6	74.0-130			3.36	20
tert-Butylbenzene	125	116	115	92.8	92.0	75.0-127			0.866	20
Carbon tetrachloride	125	121	114	96.8	91.2	66.0-128			5.96	20
Chlorobenzene	125	133	130	106	104	76.0-128			2.28	20
Chlorodibromomethane	125	141	133	113	106	74.0-127			5.84	20

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

(LCS) R4208928-1 05/02/25 09:08 • (LCSD) R4208928-2 05/02/25 09:27

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloroethane	125	82.0	83.6	65.6	66.9	61.0-134			1.93	20
Chloroform	125	108	110	86.4	88.0	72.0-123			1.83	20
Chloromethane	125	128	135	102	108	51.0-138			5.32	20
2-Chlorotoluene	125	128	122	102	97.6	75.0-124			4.80	20
4-Chlorotoluene	125	117	111	93.6	88.8	75.0-124			5.26	20
1,2-Dibromo-3-Chloropropane	125	127	117	102	93.6	59.0-130			8.20	20
1,2-Dibromoethane	125	134	130	107	104	74.0-128			3.03	20
Dibromomethane	125	116	116	92.8	92.8	75.0-122			0.000	20
1,2-Dichlorobenzene	125	139	136	111	109	76.0-124			2.18	20
1,3-Dichlorobenzene	125	133	129	106	103	76.0-125			3.05	20
1,4-Dichlorobenzene	125	130	128	104	102	77.0-121			1.55	20
Dichlorodifluoromethane	125	110	104	88.0	83.2	43.0-156			5.61	20
1,1-Dichloroethane	125	132	127	106	102	70.0-127			3.86	20
1,2-Dichloroethane	125	126	120	101	96.0	65.0-131			4.88	20
1,1-Dichloroethene	125	107	106	85.6	84.8	65.0-131			0.939	20
cis-1,2-Dichloroethene	125	110	110	88.0	88.0	73.0-125			0.000	20
trans-1,2-Dichloroethene	125	104	103	83.2	82.4	71.0-125			0.966	20
1,2-Dichloropropane	125	138	132	110	106	74.0-125			4.44	20
1,1-Dichloropropene	125	115	110	92.0	88.0	73.0-125			4.44	20
1,3-Dichloropropane	125	134	131	107	105	80.0-125			2.26	20
cis-1,3-Dichloropropene	125	110	110	88.0	88.0	76.0-127			0.000	20
trans-1,3-Dichloropropene	125	127	129	102	103	73.0-127			1.56	20
2,2-Dichloropropane	125	75.1	79.2	60.1	63.4	59.0-135			5.31	20
Di-isopropyl ether	125	161	161	129	129	60.0-136			0.000	20
Hexachloro-1,3-butadiene	125	106	104	84.8	83.2	57.0-150			1.90	20
Isopropylbenzene	125	123	120	98.4	96.0	72.0-127			2.47	20
p-Isopropyltoluene	125	127	124	102	99.2	72.0-133			2.39	20
2-Butanone (MEK)	625	852	835	136	134	30.0-160			2.02	24
Methylene Chloride	125	93.4	96.9	74.7	77.5	68.0-123			3.68	20
4-Methyl-2-pentanone (MIBK)	625	1050	1020	168	163	56.0-143	J4	J4	2.90	20
Methyl tert-butyl ether	125	103	106	82.4	84.8	66.0-132			2.87	20
n-Propylbenzene	125	126	120	101	96.0	74.0-126			4.88	20
Styrene	125	117	115	93.6	92.0	72.0-127			1.72	20
1,1,1,2-Tetrachloroethane	125	128	125	102	100	74.0-129			2.37	20
1,1,2,2-Tetrachloroethane	125	117	112	93.6	89.6	68.0-128			4.37	20
1,1,2-Trichlorotrifluoroethane	125	117	114	93.6	91.2	61.0-139			2.60	20
Tetrachloroethene	125	131	127	105	102	70.0-136			3.10	20
1,2,3-Trichlorobenzene	125	132	145	106	116	59.0-139			9.39	20
1,2,4-Trichlorobenzene	125	112	113	89.6	90.4	62.0-137			0.889	20
1,1,1-Trichloroethane	125	122	118	97.6	94.4	69.0-126			3.33	20

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

(LCS) R4208928-1 05/02/25 09:08 • (LCSD) R4208928-2 05/02/25 09:27

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichloroethane	125	138	138	110	110	78.0-123			0.000	20
Trichloroethene	125	130	134	104	107	76.0-126			3.03	20
Trichlorofluoromethane	125	106	108	84.8	86.4	61.0-142			1.87	20
1,2,3-Trichloropropane	125	119	109	95.2	87.2	67.0-129			8.77	20
1,2,3-Trimethylbenzene	125	123	121	98.4	96.8	74.0-124			1.64	20
Vinyl chloride	125	90.7	91.4	72.6	73.1	63.0-134			0.769	20
(S) Toluene-d8				*114*	*113*	*75.0-131*				
(S) 4-Bromofluorobenzene				*90.4*	*87.1*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*104*	*103*	*70.0-130*				

Method Blank (MB)

(MB) R4208606-2 05/01/25 15:11

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) R4208606-2 05/01/25 15:11

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	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.5*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*

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

(LCS) R4208606-1 05/01/25 14:00 • (LCSD) R4208606-3 05/01/25 15:35

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	19.2	20.8	76.8	83.2	19.0-160	J	J	8.00	27
Acrolein	25.0	21.3	22.2	85.2	88.8	10.0-160	J	J	4.14	26
Acrylonitrile	25.0	31.4	30.5	126	122	55.0-149			2.91	20
Benzene	5.00	5.49	5.43	110	109	70.0-123			1.10	20

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

(LCS) R4208606-1 05/01/25 14:00 • (LCSD) R4208606-3 05/01/25 15:35

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	4.80	4.72	96.0	94.4	73.0-121			1.68	20
Bromodichloromethane	5.00	5.38	5.18	108	104	75.0-120			3.79	20
Bromoform	5.00	5.34	5.36	107	107	68.0-132			0.374	20
Bromomethane	5.00	4.99	5.11	99.8	102	10.0-160	J		2.38	25
n-Butylbenzene	5.00	4.26	4.35	85.2	87.0	73.0-125			2.09	20
sec-Butylbenzene	5.00	4.45	4.49	89.0	89.8	75.0-125			0.895	20
tert-Butylbenzene	5.00	4.33	4.31	86.6	86.2	76.0-124			0.463	20
Carbon tetrachloride	5.00	5.41	5.14	108	103	68.0-126			5.12	20
Chlorobenzene	5.00	5.23	5.12	105	102	80.0-121			2.13	20
Chlorodibromomethane	5.00	5.31	5.15	106	103	77.0-125			3.06	20
Chloroethane	5.00	4.13	4.03	82.6	80.6	47.0-150	J	J	2.45	20
Chloroform	5.00	5.38	5.35	108	107	73.0-120			0.559	20
Chloromethane	5.00	7.11	7.01	142	140	41.0-142			1.42	20
2-Chlorotoluene	5.00	4.63	4.66	92.6	93.2	76.0-123			0.646	20
4-Chlorotoluene	5.00	4.40	4.22	88.0	84.4	75.0-122			4.18	20
1,2-Dibromo-3-Chloropropane	5.00	4.14	4.18	82.8	83.6	58.0-134	J	J	0.962	20
1,2-Dibromoethane	5.00	5.38	5.21	108	104	80.0-122			3.21	20
Dibromomethane	5.00	5.32	5.16	106	103	80.0-120			3.05	20
1,2-Dichlorobenzene	5.00	4.75	4.69	95.0	93.8	79.0-121			1.27	20
1,3-Dichlorobenzene	5.00	4.83	4.68	96.6	93.6	79.0-120			3.15	20
1,4-Dichlorobenzene	5.00	4.84	4.84	96.8	96.8	79.0-120			0.000	20
Dichlorodifluoromethane	5.00	8.33	8.34	167	167	51.0-149	J4	J4	0.120	20
1,1-Dichloroethane	5.00	5.50	5.43	110	109	70.0-126			1.28	20
1,2-Dichloroethane	5.00	4.98	0.249	99.6	4.98	70.0-128		J J3 J4	181	20
1,1-Dichloroethene	5.00	5.75	5.74	115	115	71.0-124			0.174	20
cis-1,2-Dichloroethene	5.00	5.36	5.32	107	106	73.0-120			0.749	20
trans-1,2-Dichloroethene	5.00	5.58	5.54	112	111	73.0-120			0.719	20
1,2-Dichloropropane	5.00	5.98	5.75	120	115	77.0-125			3.92	20
1,1-Dichloropropene	5.00	5.53	5.29	111	106	74.0-126			4.44	20
1,3-Dichloropropane	5.00	5.39	5.33	108	107	80.0-120			1.12	20
cis-1,3-Dichloropropene	5.00	4.60	4.61	92.0	92.2	80.0-123			0.217	20
trans-1,3-Dichloropropene	5.00	4.60	4.69	92.0	93.8	78.0-124			1.94	20
2,2-Dichloropropane	5.00	3.85	4.99	77.0	99.8	58.0-130		J3	25.8	20
Di-isopropyl ether	5.00	5.50	5.30	110	106	58.0-138			3.70	20
Ethylbenzene	5.00	4.79	4.95	95.8	99.0	79.0-123			3.29	20
Hexachloro-1,3-butadiene	5.00	4.95	5.05	99.0	101	54.0-138			2.00	20
Isopropylbenzene	5.00	4.90	4.87	98.0	97.4	76.0-127			0.614	20
p-Isopropyltoluene	5.00	4.40	4.32	88.0	86.4	76.0-125			1.83	20
2-Butanone (MEK)	25.0	23.4	23.8	93.6	95.2	44.0-160			1.69	20
Methylene Chloride	5.00	5.08	5.14	102	103	67.0-120			1.17	20

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

(LCS) R4208606-1 05/01/25 14:00 • (LCSD) R4208606-3 05/01/25 15:35

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	27.8	27.1	111	108	68.0-142			2.55	20
Methyl tert-butyl ether	5.00	4.74	4.62	94.8	92.4	68.0-125			2.56	20
Naphthalene	5.00	3.51	3.38	70.2	67.6	54.0-135	J	J	3.77	20
n-Propylbenzene	5.00	4.40	4.36	88.0	87.2	77.0-124			0.913	20
Styrene	5.00	4.86	4.89	97.2	97.8	73.0-130			0.615	20
1,1,1,2-Tetrachloroethane	5.00	5.29	5.15	106	103	75.0-125			2.68	20
1,1,2,2-Tetrachloroethane	5.00	4.43	4.73	88.6	94.6	65.0-130			6.55	20
1,1,2-Trichlorotrifluoroethane	5.00	5.65	5.66	113	113	69.0-132			0.177	20
Tetrachloroethene	5.00	5.66	5.71	113	114	72.0-132			0.880	20
Toluene	5.00	5.51	5.36	110	107	79.0-120			2.76	20
1,2,3-Trichlorobenzene	5.00	4.49	4.28	89.8	85.6	50.0-138			4.79	20
1,2,4-Trichlorobenzene	5.00	4.39	4.30	87.8	86.0	57.0-137			2.07	20
1,1,1-Trichloroethane	5.00	5.46	5.40	109	108	73.0-124			1.10	20
1,1,2-Trichloroethane	5.00	5.74	5.56	115	111	80.0-120			3.19	20
Trichloroethene	5.00	5.73	5.21	115	104	78.0-124			9.51	20
Trichlorofluoromethane	5.00	3.79	3.91	75.8	78.2	59.0-147	J	J	3.12	20
1,2,3-Trichloropropane	5.00	4.57	4.59	91.4	91.8	73.0-130			0.437	20
1,2,4-Trimethylbenzene	5.00	4.32	4.29	86.4	85.8	76.0-121			0.697	20
1,2,3-Trimethylbenzene	5.00	4.51	4.47	90.2	89.4	77.0-120			0.891	20
1,3,5-Trimethylbenzene	5.00	4.38	4.36	87.6	87.2	76.0-122			0.458	20
Vinyl chloride	5.00	5.21	5.18	104	104	67.0-131			0.577	20
Xylenes, Total	15.0	15.2	14.9	101	99.3	79.0-123			1.99	20
(S) Toluene-d8				*102*	*103*	*80.0-120*				
(S) 4-Bromofluorobenzene				*103*	*104*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*90.1*	*91.0*	*70.0-130*				

L1853795-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853795-01 05/01/25 22:28 • (MS) R4208606-4 05/02/25 00:26 • (MSD) R4208606-5 05/02/25 00:50

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	U	12.2	13.7	48.8	54.8	1	10.0-160			11.6	35
Acrolein	25.0	U	27.3	29.0	109	116	1	10.0-160	J	J	6.04	39
Acrylonitrile	25.0	U	28.3	32.6	113	130	1	21.0-160			14.1	32
Benzene	5.00	U	5.31	5.95	106	119	1	17.0-158			11.4	27
Bromobenzene	5.00	U	4.46	5.04	89.2	101	1	30.0-149			12.2	28
Bromodichloromethane	5.00	U	5.07	5.57	101	111	1	31.0-150			9.40	27
Bromoform	5.00	U	5.19	5.64	104	113	1	29.0-150			8.31	29
Bromomethane	5.00	U	5.53	6.23	111	125	1	10.0-160			11.9	38

L1853795-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853795-01 05/01/25 22:28 • (MS) R4208606-4 05/02/25 00:26 • (MSD) R4208606-5 05/02/25 00:50

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	5.00	U	4.17	4.63	83.4	92.6	1	31.0-150			10.5	30
sec-Butylbenzene	5.00	U	4.21	4.73	84.2	94.6	1	33.0-155			11.6	29
tert-Butylbenzene	5.00	U	4.03	4.45	80.6	89.0	1	34.0-153			9.91	28
Carbon tetrachloride	5.00	U	5.36	6.00	107	120	1	23.0-159			11.3	28
Chlorobenzene	5.00	U	5.10	5.55	102	111	1	33.0-152			8.45	27
Chlorodibromomethane	5.00	U	4.88	5.52	97.6	110	1	37.0-149			12.3	27
Chloroethane	5.00	U	3.96	4.28	79.2	85.6	1	10.0-160			7.77	30
Chloroform	5.00	U	5.28	5.82	106	116	1	29.0-154			9.73	28
Chloromethane	5.00	U	6.90	7.71	138	154	1	10.0-160			11.1	29
2-Chlorotoluene	5.00	U	4.27	4.85	85.4	97.0	1	32.0-153			12.7	28
4-Chlorotoluene	5.00	U	4.17	4.54	83.4	90.8	1	32.0-150			8.50	28
1,2-Dibromo-3-Chloropropane	5.00	U	3.89	4.23	77.8	84.6	1	22.0-151	J	J	8.37	34
1,2-Dibromoethane	5.00	U	4.92	5.43	98.4	109	1	34.0-147			9.86	27
Dibromomethane	5.00	U	4.98	5.37	99.6	107	1	30.0-151			7.54	27
1,2-Dichlorobenzene	5.00	U	4.29	4.81	85.8	96.2	1	34.0-149			11.4	28
1,3-Dichlorobenzene	5.00	U	4.35	4.97	87.0	99.4	1	36.0-146			13.3	27
1,4-Dichlorobenzene	5.00	U	4.70	5.10	94.0	102	1	35.0-142			8.16	27
Dichlorodifluoromethane	5.00	U	8.19	9.01	164	180	1	10.0-160	J5	J5	9.53	29
1,1-Dichloroethane	5.00	U	5.44	5.83	109	117	1	25.0-158			6.92	27
1,2-Dichloroethane	5.00	U	4.66	5.26	93.2	105	1	29.0-151			12.1	27
1,1-Dichloroethene	5.00	U	6.09	6.56	122	131	1	11.0-160			7.43	29
cis-1,2-Dichloroethene	5.00	U	5.07	5.71	101	114	1	10.0-160			11.9	27
trans-1,2-Dichloroethene	5.00	U	5.37	6.27	107	125	1	17.0-153			15.5	27
1,2-Dichloropropane	5.00	U	5.69	6.10	114	122	1	30.0-156			6.96	27
1,1-Dichloropropene	5.00	U	5.54	5.87	111	117	1	25.0-158			5.78	27
1,3-Dichloropropane	5.00	U	5.02	5.56	100	111	1	38.0-147			10.2	27
cis-1,3-Dichloropropene	5.00	U	3.91	4.48	78.2	89.6	1	34.0-149			13.6	28
trans-1,3-Dichloropropene	5.00	U	4.32	4.91	86.4	98.2	1	32.0-149			12.8	28
2,2-Dichloropropane	5.00	U	4.94	5.34	98.8	107	1	24.0-152			7.78	29
Di-isopropyl ether	5.00	U	5.03	5.57	101	111	1	21.0-160			10.2	28
Ethylbenzene	5.00	U	4.73	5.31	94.6	106	1	30.0-155			11.6	27
Hexachloro-1,3-butadiene	5.00	U	4.89	5.65	97.8	113	1	20.0-154			14.4	34
Isopropylbenzene	5.00	U	4.61	5.23	92.2	105	1	28.0-157			12.6	27
p-Isopropyltoluene	5.00	U	4.01	4.52	80.2	90.4	1	30.0-154			12.0	29
2-Butanone (MEK)	25.0	U	18.5	20.3	74.0	81.2	1	10.0-160			9.28	32
Methylene Chloride	5.00	U	4.88	5.44	97.6	109	1	23.0-144			10.9	28
4-Methyl-2-pentanone (MIBK)	25.0	U	25.7	28.9	103	116	1	29.0-160			11.7	29
Methyl tert-butyl ether	5.00	U	4.12	4.76	82.4	95.2	1	28.0-150			14.4	29
Naphthalene	5.00	U	3.06	3.54	61.2	70.8	1	12.0-156	J	J	14.5	35
n-Propylbenzene	5.00	U	4.19	4.61	83.8	92.2	1	31.0-154			9.55	28

L1853795-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1853795-01 05/01/25 22:28 • (MS) R4208606-4 05/02/25 00:26 • (MSD) R4208606-5 05/02/25 00:50

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Styrene	5.00	U	4.56	5.04	91.2	101	1	33.0-155			10.0	28
1,1,1,2-Tetrachloroethane	5.00	U	5.15	5.68	103	114	1	36.0-151			9.79	29
1,1,2,2-Tetrachloroethane	5.00	U	4.82	5.19	96.4	104	1	33.0-150			7.39	28
1,1,2-Trichlorotrifluoroethane	5.00	U	5.88	6.45	118	129	1	23.0-160			9.25	30
Tetrachloroethene	5.00	U	5.94	6.38	119	128	1	10.0-160			7.14	27
Toluene	5.00	U	5.01	5.62	100	112	1	26.0-154			11.5	28
1,2,3-Trichlorobenzene	5.00	U	4.08	4.58	81.6	91.6	1	17.0-150			11.5	36
1,2,4-Trichlorobenzene	5.00	U	3.86	4.60	77.2	92.0	1	24.0-150			17.5	33
1,1,1-Trichloroethane	5.00	U	5.40	5.83	108	117	1	23.0-160			7.66	28
1,1,2-Trichloroethane	5.00	U	5.35	6.01	107	120	1	35.0-147			11.6	27
Trichloroethene	5.00	U	5.16	5.56	103	111	1	10.0-160			7.46	25
Trichlorofluoromethane	5.00	U	3.88	4.27	77.6	85.4	1	17.0-160	J	J	9.57	31
1,2,3-Trichloropropane	5.00	U	4.19	4.68	83.8	93.6	1	34.0-151			11.0	29
1,2,4-Trimethylbenzene	5.00	U	4.10	4.50	82.0	90.0	1	26.0-154			9.30	27
1,2,3-Trimethylbenzene	5.00	U	4.16	4.69	83.2	93.8	1	32.0-149			12.0	28
1,3,5-Trimethylbenzene	5.00	U	4.14	4.63	82.8	92.6	1	28.0-153			11.2	27
Vinyl chloride	5.00	U	5.10	5.69	102	114	1	10.0-160			10.9	27
Xylenes, Total	15.0	U	14.5	16.2	96.7	108	1	29.0-154			11.1	28
(S) Toluene-d8					*99.1*	*99.1*		*80.0-120*				
(S) 4-Bromofluorobenzene					*102*	*103*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*91.0*	*91.4*		*70.0-130*				

Method Blank (MB)

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

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

Method Blank (MB)

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

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

Laboratory Control Sample (LCS)

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

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

Laboratory Control Sample (LCS)

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

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

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

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

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthylene	748	U	529	577	70.7	76.9	2	25.0-120			8.64	32
Benzidine	1490	U	265	260	17.7	17.3	2	10.0-120	J	J	1.78	40
Benzo(g,h,i)perylene	748	U	454	451	60.6	60.1	2	10.0-120			0.515	33
Bis(2-chlorethoxy)methane	748	U	340	354	45.5	47.2	2	10.0-120	J	J	4.03	34
Bis(2-chloroethyl)ether	748	U	298	323	39.9	43.0	2	10.0-120	J	J	7.88	40
2,2-Oxybis(1-Chloropropane)	748	U	287	310	38.3	41.3	2	10.0-120	J	J	7.81	40
4-Bromophenyl-phenylether	748	U	564	575	75.4	76.6	2	27.0-120	J	J	1.84	30
2-Chloronaphthalene	748	U	438	474	58.6	63.2	2	20.0-120			7.92	32

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

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

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Chlorophenyl-phenylether	748	U	514	544	68.7	72.5	2	24.0-120	J	J	5.73	29
1,2-Dichlorobenzene	748	U	392	394	52.3	52.5	2	10.0-120	J	J	0.593	38
1,3-Dichlorobenzene	748	U	361	384	48.3	51.1	2	10.0-120	J	J	5.95	40
1,4-Dichlorobenzene	748	U	395	401	52.8	53.4	2	10.0-120	J	J	1.46	39
3,3-Dichlorobenzidine	1490	U	701	669	47.0	44.5	2	10.0-120	J	J	4.60	34
2,4-Dinitrotoluene	748	U	523	521	69.9	69.4	2	30.0-120	J	J	0.446	31
2,6-Dinitrotoluene	748	U	539	512	72.0	68.2	2	25.0-120	J	J	5.11	31
Hexachlorobenzene	748	U	497	514	66.4	68.5	2	27.0-120	J	J	3.46	28
Hexachloro-1,3-butadiene	748	U	431	466	57.6	62.1	2	10.0-120	J	J	7.79	38
Hexachlorocyclopentadiene	748	U	U	U	5.17	3.74	2	10.0-120	J J6	J J6	31.8	40
Hexachloroethane	748	U	223	216	29.8	28.7	2	10.0-120	J	J	3.19	40
Isophorone	748	U	372	384	49.7	51.1	2	13.0-120	J	J	3.09	34
Nitrobenzene	748	U	353	382	47.2	50.9	2	10.0-120	J	J	7.92	36
n-Nitrosodimethylamine	748	U	328	361	43.8	48.1	2	10.0-127	J	J	9.81	40
n-Nitrosodiphenylamine	748	U	493	501	65.9	66.8	2	17.0-120	J	J	1.64	29
n-Nitrosodi-n-propylamine	748	U	347	394	46.4	52.5	2	10.0-120	J	J	12.6	37
Phenanthrene	748	U	464	474	62.0	63.2	2	17.0-120			2.24	31
Benzylbutyl phthalate	748	U	542	520	72.4	69.3	2	23.0-120	J	J	4.17	30
Bis(2-ethylhexyl)phthalate	748	U	527	530	70.4	70.7	2	17.0-126	J	J	0.662	30
Di-n-butyl phthalate	748	U	505	530	67.4	70.7	2	30.0-120	J	J	4.95	29
Diethyl phthalate	748	U	541	577	72.3	76.9	2	26.0-120	J	J	6.47	28
Dimethyl phthalate	748	U	529	567	70.7	75.5	2	25.0-120	J	J	6.81	29
Di-n-octyl phthalate	748	U	670	661	89.6	88.0	2	21.0-123	J	J	1.40	29
1,2,4-Trichlorobenzene	748	U	436	466	58.3	62.1	2	12.0-120	J	J	6.72	37
4-Chloro-3-methylphenol	748	U	477	485	63.7	64.6	2	15.0-120	J	J	1.70	30
2-Chlorophenol	748	U	401	401	53.6	53.4	2	15.0-120	J	J	0.000	37
2,4-Dichlorophenol	748	U	473	488	63.2	65.1	2	20.0-120	J	J	3.15	31
2,4-Dimethylphenol	748	U	407	447	54.4	59.5	2	10.0-120	J	J	9.29	33
4,6-Dinitro-2-methylphenol	748	U	199	196	26.6	26.1	2	10.0-120	J	J	1.77	39
2,4-Dinitrophenol	748	U	277	274	37.1	36.5	2	10.0-121	J	J	1.27	40
2-Nitrophenol	748	U	452	456	60.4	60.7	2	12.0-120	J	J	0.770	39
4-Nitrophenol	748	U	474	509	63.4	67.9	2	10.0-137	J	J	7.11	32
Pentachlorophenol	748	U	495	521	66.2	69.4	2	10.0-160	J	J	5.05	31
Phenol	748	U	384	387	51.2	51.6	2	12.0-120	J	J	0.908	38
2,4,6-Trichlorophenol	748	U	512	541	68.4	72.0	2	19.0-120	J	J	5.54	32
(S) 2-Fluorophenol					*62.4*	*67.0*		*12.0-120*				
(S) Phenol-d5					*55.4*	*57.5*		*10.0-120*				
(S) Nitrobenzene-d5					*48.9*	*47.2*		*10.0-122*				
(S) 2-Fluorobiphenyl					*63.6*	*68.0*		*15.0-120*				

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

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

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) 2,4,6-Tribromophenol					*77.8*	*79.8*		*10.0-127*				
(S) p-Terphenyl-d14					*70.4*	*70.2*		*10.0-120*				

Sample Narrative:

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

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C7	The initial calibration verification standard (SSCV) associated with this data responded high.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

GLOSSARY OF TERMS

Qualifier	Description
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

4853786 K202

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

22 to 26 TLA0

Sample Receipt Checklist
COC Seal Present/Intact: Y N NP — If Applicable
COC Signed/Accurate: Y N — VOA Zero Headspace: Y N
Bottles arrive intact: Y N — Pres. Correct/Check: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N — Condition: NCF OK
RA Screen <0.5 mR/hr: Y N

Company Name: CTEH, LLC
Street Address: 5120 North Shore Drive, North Little Rock, AR 72118
Customer Project #: PROJ-054017
Project Name: Bishop LOC
Site Collection Info/Facility ID (as applicable): Galeton, CO

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
Invoice to: CTEH
Invoice E-mail: ctehap@montrose-env.com
Purchase Order # (if applicable):
Quote #:

Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET
County / State origin of sample(s): CO

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other ASAP
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

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

Specify Container Size **: 8oz | 8oz | 8oz | 8oz | 6
Identify Container Preservative Type***: 1 | 1 | 1 | 1 | 4
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

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

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	VOCs 8260D	SVOCs 8270E; Metals 6010D	Total N/TKN/N+N/NH3 EPA 351.2/9056A	TOC Walkley Black	VOCs 8260D	Sample Comment	Preservation non-conformance identified for sample.
GACO0430T031S007	SS	G	-	-	4/30/2025	1535	3	-	-	X	X	X	X	-	-01	
GACO0430T031S007MS	SS	G	-	-	4/30/2025	1535	3	-	-	X	X	X	X	-	-01 -02	
GACO0430T031S007MSD	SS	G	-	-	4/30/2025	1535	3	-	-	X	X	X	X	-	-01 -03	
GACO0430T031S006	SS	G	-	-	4/30/2025	1530	3	-	-	X	X	X	X	-	-02 -04	
GACO0430T031S005	SS	G	-	-	4/30/2025	1125	3	-	-	X	X	X	X	-	-03 -05	
GACO0430T031T002	OT	G	-	-	4/30/2025	0700	2	-	-	-	-	-	-	X	-04 -06	

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
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/SBragg	4-30-25 1800	Pace	4-30-25 1800
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) Center Ogm	Date/Time: 5/1/25 1300
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

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