



ANALYTICAL REPORT

April 29, 2025

Revised Report

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

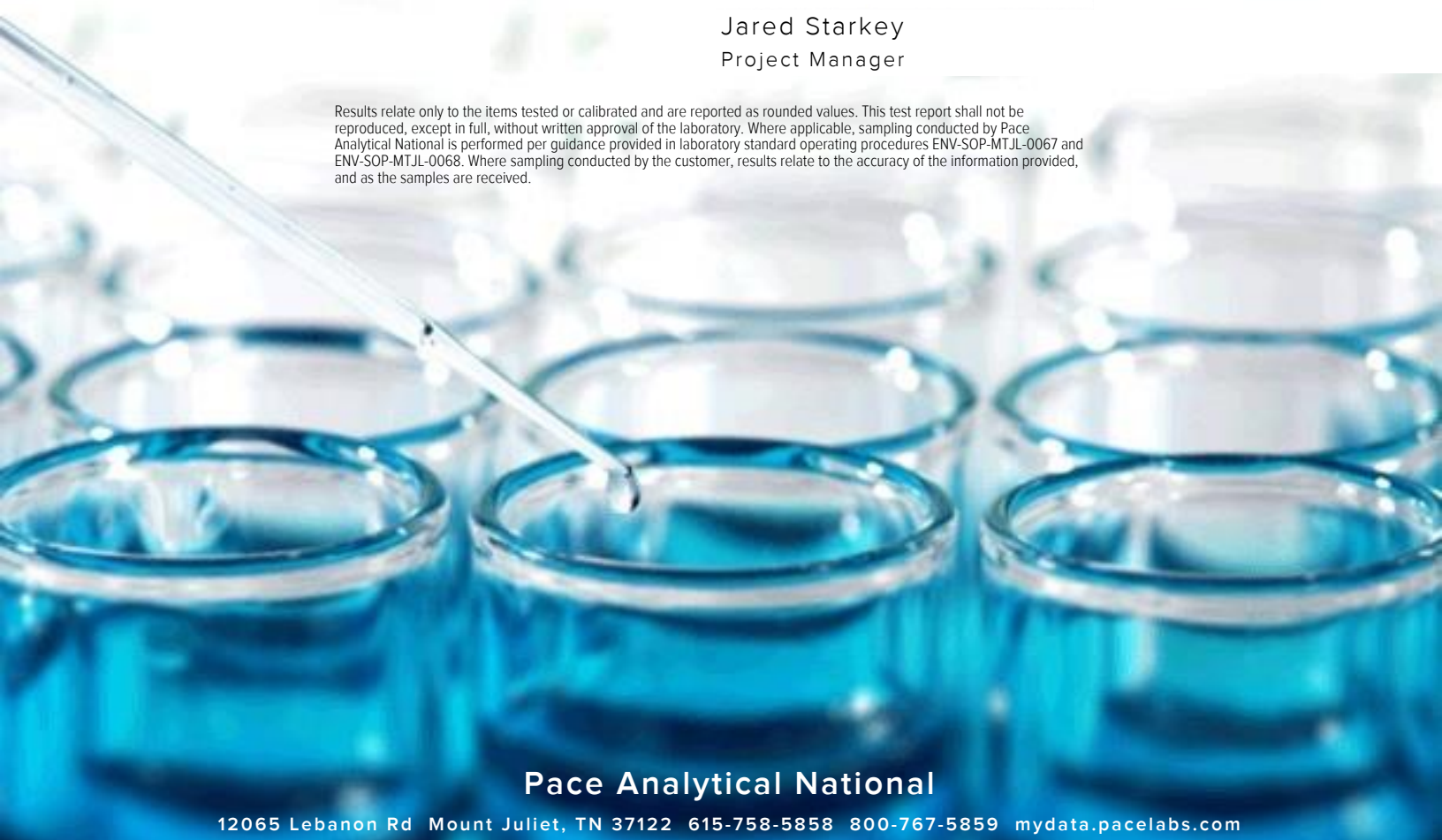
CTEH - ER

Sample Delivery Group: L1849446
 Samples Received: 04/18/2025
 Project Number: PROJ-054017
 Description: Bishop Loss of Containment Incident
 Site: CHEVRON GALETON, CO
 Report To: CTEH
 5120 North Shore Drive
 North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

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

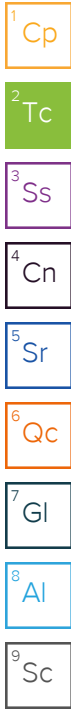


Pace Analytical National

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SAMPLE SUMMARY

GACO047EX025-A L1849446-01 Solid

Collected by: K. Burrows
 Collected date/time: 04/17/25 09:45
 Received date/time: 04/18/25 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2494222	1	04/18/25 12:17	04/18/25 12:28	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2494358	1	04/18/25 13:16	04/19/25 08:57	EKB	Mt. Juliet, TN
Mercury by Method 7471B	WG2494327	1	04/18/25 12:55	04/18/25 15:09	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2494333	1	04/18/25 13:02	04/18/25 15:43	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2494347	1	04/18/25 12:01	04/18/25 13:38	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2494349	1	04/18/25 12:01	04/18/25 14:32	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2494321	1	04/18/25 12:56	04/18/25 14:45	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2494319	1	04/18/25 12:55	04/18/25 21:49	JRM	Mt. Juliet, TN



GACO047EX026-A L1849446-02 Solid

Collected by: K. Burrows
 Collected date/time: 04/17/25 09:50
 Received date/time: 04/18/25 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2494222	1	04/18/25 12:17	04/18/25 12:28	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2494358	1	04/18/25 13:16	04/19/25 09:06	EKB	Mt. Juliet, TN
Mercury by Method 7471B	WG2494327	1	04/18/25 12:55	04/18/25 15:11	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2494333	1	04/18/25 13:02	04/18/25 15:45	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2494347	1	04/18/25 12:01	04/18/25 14:04	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2494349	1	04/18/25 12:01	04/18/25 14:51	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2494321	1	04/18/25 12:56	04/18/25 15:22	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2494319	1	04/18/25 12:55	04/19/25 00:56	JRM	Mt. Juliet, TN

GACO047EX027-A L1849446-03 Solid

Collected by: K. Burrows
 Collected date/time: 04/17/25 09:55
 Received date/time: 04/18/25 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2494222	1	04/18/25 12:17	04/18/25 12:28	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2494358	1	04/18/25 13:16	04/19/25 09:24	EKB	Mt. Juliet, TN
Mercury by Method 7471B	WG2494327	1	04/18/25 12:55	04/18/25 15:14	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2494333	1	04/18/25 13:02	04/18/25 15:47	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2494347	1	04/18/25 12:01	04/18/25 14:28	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2494349	1	04/18/25 12:01	04/18/25 15:10	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2494321	1	04/18/25 12:56	04/18/25 14:57	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2494319	1	04/18/25 12:55	04/19/25 00:36	JRM	Mt. Juliet, TN

GACO047EX028-A L1849446-04 Solid

Collected by: K. Burrows
 Collected date/time: 04/17/25 10:05
 Received date/time: 04/18/25 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2494222	1	04/18/25 12:17	04/18/25 12:28	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2494358	1	04/18/25 13:16	04/19/25 09:33	EKB	Mt. Juliet, TN
Mercury by Method 7471B	WG2494327	1	04/18/25 12:55	04/18/25 15:17	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2494333	1	04/18/25 13:02	04/18/25 15:52	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2494347	1	04/18/25 12:01	04/18/25 14:51	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2494349	1	04/18/25 12:01	04/18/25 15:29	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2494321	1	04/18/25 12:56	04/18/25 15:22	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2494319	1	04/18/25 12:55	04/19/25 01:17	JRM	Mt. Juliet, TN

SAMPLE SUMMARY

GACO047EX029-A L1849446-05 Solid

Collected by: K. Burrows
 Collected date/time: 04/17/25 10:15
 Received date/time: 04/18/25 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2494222	1	04/18/25 12:17	04/18/25 12:28	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2494358	1	04/18/25 13:16	04/19/25 09:42	EKB	Mt. Juliet, TN
Mercury by Method 7471B	WG2494327	1	04/18/25 12:55	04/18/25 15:19	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2494333	1	04/18/25 13:02	04/18/25 15:54	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2494347	1	04/18/25 12:01	04/18/25 15:15	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2494349	1	04/18/25 12:01	04/18/25 15:48	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2494321	1	04/18/25 12:56	04/18/25 15:35	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2494319	1	04/18/25 12:55	04/18/25 22:31	JRM	Mt. Juliet, TN



GACO047EX030-A L1849446-06 Solid

Collected by: K. Burrows
 Collected date/time: 04/17/25 10:25
 Received date/time: 04/18/25 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2494222	1	04/18/25 12:17	04/18/25 12:28	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2494358	1	04/18/25 13:16	04/19/25 09:51	EKB	Mt. Juliet, TN
Mercury by Method 7471B	WG2494327	1	04/18/25 12:55	04/18/25 14:58	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2494333	1	04/18/25 13:02	04/18/25 15:34	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2494347	1	04/18/25 12:01	04/18/25 15:38	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2494402	1	04/18/25 12:01	04/18/25 14:40	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2494321	1	04/18/25 12:56	04/18/25 15:48	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2494319	1	04/18/25 12:55	04/18/25 23:55	JRM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2494319	1	04/18/25 12:55	04/19/25 01:43	JRM	Mt. Juliet, TN

GACO047EXC030-A L1849446-07 Solid

Collected by: K. Burrows
 Collected date/time: 04/17/25 10:25
 Received date/time: 04/18/25 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2494222	1	04/18/25 12:17	04/18/25 12:28	KDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2494358	1	04/18/25 13:16	04/19/25 10:54	EKB	Mt. Juliet, TN
Mercury by Method 7471B	WG2494327	1	04/18/25 12:55	04/18/25 15:22	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2494333	1	04/18/25 13:02	04/18/25 15:56	RLS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2494347	1	04/18/25 12:01	04/18/25 16:01	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2494402	1	04/18/25 12:01	04/18/25 15:01	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2494321	1	04/18/25 12:56	04/18/25 15:10	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2494319	1	04/18/25 12:55	04/19/25 00:15	JRM	Mt. Juliet, TN

GACO047T001-A L1849446-08 GW

Collected by: K. Burrows
 Collected date/time: 04/17/25 10:56
 Received date/time: 04/18/25 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2494271	1	04/18/25 13:06	04/18/25 13:06	KST	Mt. Juliet, TN

CASE NARRATIVE

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



Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 04/20/25 21:30

Level II Report - Version 2: 04/21/25 18:59

Project Comments

ID Corrections
Trip blank collection time correction

Wet Chemistry by Method 7199

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

Batch	Lab Sample ID	Analytes
WG2494358	(MSD) R4202011-5, L1849446-06	Hexavalent Chromium

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2494333	(MSD) R4201776-6, L1849446-06	Antimony

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

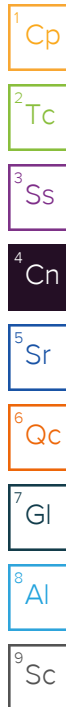
Batch	Lab Sample ID	Analytes
WG2494333	(MS) R4201776-5, (MSD) R4201776-6, L1849446-06	Calcium and Iron

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

Batch	Lab Sample ID	Analytes
WG2494333	(MSD) R4201776-6, L1849446-06	Manganese

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

Batch	Lab Sample ID	Analytes
WG2494333	(MSD) R4201776-6, L1849446-06	Calcium and Manganese



CASE NARRATIVE

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
WG2494333	L1849446-06	Calcium and Iron

Volatile Organic Compounds (GC) by Method 8015D/GRO

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2494347	TPH (GC/FID) Low Fraction	L1849446-01, 02, 03, 04, 05, 06, 07

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

Batch	Lab Sample ID	Analytes
WG2494347	(MSD) R4201786-4, L1849446-06	TPH (GC/FID) Low Fraction

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
WG2494271	L1849446-08	1,2-Dichloroethane, Benzene, Chloroform, Chloromethane, Dichlorodifluoromethane and Di-isopropyl ether
WG2494349	L1849446-01	1,2-Dibromo-3-Chloropropane, Bromoform and Hexachloro-1,3-butadiene
WG2494349	L1849446-02	1,2-Dibromo-3-Chloropropane, Bromoform and Hexachloro-1,3-butadiene
WG2494349	L1849446-03	1,2-Dibromo-3-Chloropropane, Bromoform and Hexachloro-1,3-butadiene
WG2494349	L1849446-04	1,2-Dibromo-3-Chloropropane, Bromoform and Hexachloro-1,3-butadiene
WG2494349	L1849446-05	1,2-Dibromo-3-Chloropropane, Bromoform and Hexachloro-1,3-butadiene

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2494349	Chloroform	L1849446-02, 05

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

Batch	Lab Sample ID	Analytes
WG2494349	(LCS) R4201753-1, L1849446-01, 02, 03, 04, 05	Bromomethane, Dichlorodifluoromethane and Vinyl chloride

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

Batch	Lab Sample ID	Analytes
WG2494271	(LCSD) R4201769-2, L1849446-08	cis-1,3-Dichloropropene

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

Batch	Lab Sample ID	Analytes
WG2494271	(MS) R4201769-4, (MSD) R4201769-5	2-Butanone (MEK) and Acetone

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

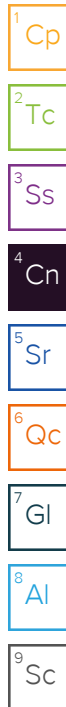
Batch	Lab Sample ID	Analytes
WG2494349	(MS) R4201753-3, (MSD) R4201753-4	Dichlorodifluoromethane

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

Batch	Lab Sample ID	Analytes
WG2494271	(MS) R4201769-4	trans-1,3-Dichloropropene

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

Batch	Lab Sample ID	Analytes
WG2494271	(MSD) R4201769-5	2-Butanone (MEK)
WG2494349	(MSD) R4201753-4	1,1,2-Trichlorotrifluoroethane, 2-Butanone (MEK), Chloroethane and Trichlorofluoromethane
WG2494402	(MSD) R4201805-5, L1849446-06	Chloroethane and Trichlorofluoromethane



CASE NARRATIVE

Semi-Volatile Organic Compounds (GC) by Method 8015M

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2494321	C28-C36 Motor Oil Range	L1849446-01, 02, 03, 04, 05, 06, 07

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
WG2494319	L1849446-01	2,4-Dimethylphenol and Hexachlorocyclopentadiene
WG2494319	L1849446-02	2,4-Dimethylphenol and Hexachlorocyclopentadiene
WG2494319	L1849446-03	2,4-Dimethylphenol and Hexachlorocyclopentadiene
WG2494319	L1849446-04	2,4-Dimethylphenol and Hexachlorocyclopentadiene
WG2494319	L1849446-05	2,4-Dimethylphenol and Hexachlorocyclopentadiene
WG2494319	L1849446-06	2,4-Dimethylphenol and Hexachlorocyclopentadiene
WG2494319	L1849446-07	2,4-Dimethylphenol and Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2494319	L1849446-01	Benzidine
WG2494319	L1849446-02	Hexachlorocyclopentadiene
WG2494319	L1849446-03	Hexachlorocyclopentadiene
WG2494319	L1849446-04	Hexachlorocyclopentadiene
WG2494319	L1849446-05	Benzidine
WG2494319	L1849446-06	Benzidine
WG2494319	L1849446-07	Hexachlorocyclopentadiene

Surrogate recovery limits have been exceeded; values are outside lower control limits.

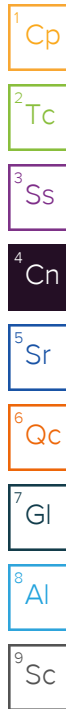
Batch	Analyte	Lab Sample ID
WG2494319	Phenol-d5	L1849446-06

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

Batch	Lab Sample ID	Analytes
WG2494319	(MS) R4201937-1, (MSD) R4201937-2, L1849446-06	Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2494319	(MSD) R4201937-2, L1849446-06	Hexachlorocyclopentadiene



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.5		1	04/18/2025 12:28	WG2494222

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Hexavalent Chromium	U		449	1180	1	04/19/2025 08:57	WG2494358

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Mercury	U		24.4	47.3	1	04/18/2025 15:09	WG2494327

Metals (ICP) by Method 6010D

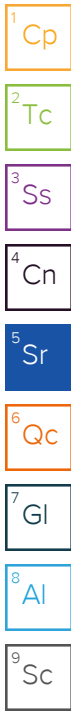
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Aluminum	4350000		7200	23700	1	04/18/2025 15:43	WG2494333
Antimony	U		818	2370	1	04/18/2025 15:43	WG2494333
Arsenic	2370		991	2370	1	04/18/2025 15:43	WG2494333
Barium	104000		101	592	1	04/18/2025 15:43	WG2494333
Beryllium	548		56.4	237	1	04/18/2025 15:43	WG2494333
Cadmium	242	J	77.3	592	1	04/18/2025 15:43	WG2494333
Calcium	2020000		22500	118000	1	04/18/2025 15:43	WG2494333
Chromium	5080		253	1180	1	04/18/2025 15:43	WG2494333
Cobalt	4560		209	1180	1	04/18/2025 15:43	WG2494333
Copper	7580		422	2370	1	04/18/2025 15:43	WG2494333
Iron	6920000		2650	11800	1	04/18/2025 15:43	WG2494333
Lead	8550		386	592	1	04/18/2025 15:43	WG2494333
Magnesium	2190000		23600	118000	1	04/18/2025 15:43	WG2494333
Manganese	352000		205	1180	1	04/18/2025 15:43	WG2494333
Nickel	8780		237	2370	1	04/18/2025 15:43	WG2494333
Potassium	1320000		24700	118000	1	04/18/2025 15:43	WG2494333
Selenium	U		1270	2370	1	04/18/2025 15:43	WG2494333
Silver	U		150	1180	1	04/18/2025 15:43	WG2494333
Sodium	117000	J	48800	118000	1	04/18/2025 15:43	WG2494333
Thallium	U		613	2370	1	04/18/2025 15:43	WG2494333
Vanadium	12000		453	2370	1	04/18/2025 15:43	WG2494333
Zinc	24400		1150	5920	1	04/18/2025 15:43	WG2494333

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
TPH (GC/FID) Low Fraction	30.4	B J	25.7	118	1	04/18/2025 13:38	WG2494347
(S) a,a,a-Trifluorotoluene(FID)	97.2			77.0-120		04/18/2025 13:38	WG2494347

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Acetone	U		49.9	68.4	1	04/18/2025 14:32	WG2494349
Acrylonitrile	U		4.94	17.1	1	04/18/2025 14:32	WG2494349
Benzene	U		0.638	1.37	1	04/18/2025 14:32	WG2494349
Bromobenzene	U		1.23	17.1	1	04/18/2025 14:32	WG2494349
Bromodichloromethane	U		0.991	3.42	1	04/18/2025 14:32	WG2494349
Bromoform	U	C3	1.60	34.2	1	04/18/2025 14:32	WG2494349



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
Bromomethane	U	J4	2.69	17.1	1	04/18/2025 14:32	WG2494349
n-Butylbenzene	U		7.18	17.1	1	04/18/2025 14:32	WG2494349
sec-Butylbenzene	U		3.94	17.1	1	04/18/2025 14:32	WG2494349
tert-Butylbenzene	U		2.67	6.84	1	04/18/2025 14:32	WG2494349
Carbon tetrachloride	U		1.23	6.84	1	04/18/2025 14:32	WG2494349
Chlorobenzene	U		0.287	3.42	1	04/18/2025 14:32	WG2494349
Chlorodibromomethane	U		0.837	3.42	1	04/18/2025 14:32	WG2494349
Chloroethane	U		2.32	6.84	1	04/18/2025 14:32	WG2494349
Chloroform	1.41	J	1.41	3.42	1	04/18/2025 14:32	WG2494349
Chloromethane	U		5.95	17.1	1	04/18/2025 14:32	WG2494349
2-Chlorotoluene	U		1.18	3.42	1	04/18/2025 14:32	WG2494349
4-Chlorotoluene	U		0.615	6.84	1	04/18/2025 14:32	WG2494349
1,2-Dibromo-3-Chloropropane	U	C3	5.33	34.2	1	04/18/2025 14:32	WG2494349
1,2-Dibromoethane	U		0.886	3.42	1	04/18/2025 14:32	WG2494349
Dibromomethane	U		1.03	6.84	1	04/18/2025 14:32	WG2494349
1,2-Dichlorobenzene	U		0.581	6.84	1	04/18/2025 14:32	WG2494349
1,3-Dichlorobenzene	U		0.820	6.84	1	04/18/2025 14:32	WG2494349
1,4-Dichlorobenzene	U		0.957	6.84	1	04/18/2025 14:32	WG2494349
Dichlorodifluoromethane	U	J4	2.20	6.84	1	04/18/2025 14:32	WG2494349
1,1-Dichloroethane	U		0.671	3.42	1	04/18/2025 14:32	WG2494349
1,2-Dichloroethane	U		0.887	3.42	1	04/18/2025 14:32	WG2494349
1,1-Dichloroethene	U		0.828	3.42	1	04/18/2025 14:32	WG2494349
cis-1,2-Dichloroethene	U		1.00	3.42	1	04/18/2025 14:32	WG2494349
trans-1,2-Dichloroethene	U		1.42	6.84	1	04/18/2025 14:32	WG2494349
1,2-Dichloropropane	U		1.94	6.84	1	04/18/2025 14:32	WG2494349
1,1-Dichloropropene	U		1.11	3.42	1	04/18/2025 14:32	WG2494349
1,3-Dichloropropane	U		0.685	6.84	1	04/18/2025 14:32	WG2494349
cis-1,3-Dichloropropene	U		1.03	3.42	1	04/18/2025 14:32	WG2494349
trans-1,3-Dichloropropene	U		1.56	6.84	1	04/18/2025 14:32	WG2494349
2,2-Dichloropropane	U		1.89	3.42	1	04/18/2025 14:32	WG2494349
Di-isopropyl ether	U		0.560	1.37	1	04/18/2025 14:32	WG2494349
Ethylbenzene	U		1.01	3.42	1	04/18/2025 14:32	WG2494349
Hexachloro-1,3-butadiene	U	C3	8.20	34.2	1	04/18/2025 14:32	WG2494349
Isopropylbenzene	U		0.581	3.42	1	04/18/2025 14:32	WG2494349
p-Isopropyltoluene	U		3.49	6.84	1	04/18/2025 14:32	WG2494349
2-Butanone (MEK)	U		86.8	137	1	04/18/2025 14:32	WG2494349
Methylene Chloride	U		9.08	34.2	1	04/18/2025 14:32	WG2494349
4-Methyl-2-pentanone (MIBK)	U		3.12	34.2	1	04/18/2025 14:32	WG2494349
Methyl tert-butyl ether	U		0.478	1.37	1	04/18/2025 14:32	WG2494349
Naphthalene	U		6.67	17.1	1	04/18/2025 14:32	WG2494349
n-Propylbenzene	U		1.30	6.84	1	04/18/2025 14:32	WG2494349
Styrene	U		0.313	17.1	1	04/18/2025 14:32	WG2494349
1,1,1,2-Tetrachloroethane	U		1.30	3.42	1	04/18/2025 14:32	WG2494349
1,1,2,2-Tetrachloroethane	U		0.950	3.42	1	04/18/2025 14:32	WG2494349
1,1,2-Trichlorotrifluoroethane	U		1.03	3.42	1	04/18/2025 14:32	WG2494349
Tetrachloroethene	U		1.22	3.42	1	04/18/2025 14:32	WG2494349
Toluene	U		1.78	6.84	1	04/18/2025 14:32	WG2494349
1,2,3-Trichlorobenzene	U		10.0	17.1	1	04/18/2025 14:32	WG2494349
1,2,4-Trichlorobenzene	U		6.02	17.1	1	04/18/2025 14:32	WG2494349
1,1,1-Trichloroethane	U		1.26	3.42	1	04/18/2025 14:32	WG2494349
1,1,2-Trichloroethane	U		0.816	3.42	1	04/18/2025 14:32	WG2494349
Trichloroethene	U		0.798	1.37	1	04/18/2025 14:32	WG2494349
Trichlorofluoromethane	U		1.13	3.42	1	04/18/2025 14:32	WG2494349
1,2,3-Trichloropropane	U		2.21	17.1	1	04/18/2025 14:32	WG2494349
1,2,4-Trimethylbenzene	U		2.16	6.84	1	04/18/2025 14:32	WG2494349
1,2,3-Trimethylbenzene	U		2.16	6.84	1	04/18/2025 14:32	WG2494349

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
1,3,5-Trimethylbenzene	U		2.73	6.84	1	04/18/2025 14:32	WG2494349
Vinyl chloride	U	J4	1.59	3.42	1	04/18/2025 14:32	WG2494349
Xylenes, Total	U		1.20	8.89	1	04/18/2025 14:32	WG2494349
(S) Toluene-d8	92.9			75.0-131		04/18/2025 14:32	WG2494349
(S) 4-Bromofluorobenzene	103			67.0-138		04/18/2025 14:32	WG2494349
(S) 1,2-Dichloroethane-d4	102			70.0-130		04/18/2025 14:32	WG2494349

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1910	4730	1	04/18/2025 14:45	WG2494321
C28-C36 Motor Oil Range	1400	BJ	324	4730	1	04/18/2025 14:45	WG2494321
(S) o-Terphenyl	52.4			18.0-148		04/18/2025 14:45	WG2494321

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
Acenaphthene	U		6.38	39.4	1	04/18/2025 21:49	WG2494319
Acenaphthylene	U		5.55	39.4	1	04/18/2025 21:49	WG2494319
Anthracene	U		7.02	39.4	1	04/18/2025 21:49	WG2494319
Benzidine	U	C7	74.1	1980	1	04/18/2025 21:49	WG2494319
Benzo(a)anthracene	U		6.95	39.4	1	04/18/2025 21:49	WG2494319
Benzo(b)fluoranthene	U		7.35	39.4	1	04/18/2025 21:49	WG2494319
Benzo(k)fluoranthene	U		7.01	39.4	1	04/18/2025 21:49	WG2494319
Benzo(g,h,i)perylene	U		7.21	39.4	1	04/18/2025 21:49	WG2494319
Benzo(a)pyrene	U		7.33	39.4	1	04/18/2025 21:49	WG2494319
Bis(2-chloroethoxy)methane	U		11.8	394	1	04/18/2025 21:49	WG2494319
Bis(2-chloroethyl)ether	U		13.0	394	1	04/18/2025 21:49	WG2494319
2,2-Oxybis(1-Chloropropane)	U		17.0	394	1	04/18/2025 21:49	WG2494319
4-Bromophenyl-phenylether	U		13.8	394	1	04/18/2025 21:49	WG2494319
2-Chloronaphthalene	U		6.92	39.4	1	04/18/2025 21:49	WG2494319
4-Chlorophenyl-phenylether	U		13.7	394	1	04/18/2025 21:49	WG2494319
Chrysene	U		7.83	39.4	1	04/18/2025 21:49	WG2494319
Dibenz(a,h)anthracene	U		10.9	39.4	1	04/18/2025 21:49	WG2494319
1,2-Dichlorobenzene	U		11.7	394	1	04/18/2025 21:49	WG2494319
1,3-Dichlorobenzene	U		12.0	394	1	04/18/2025 21:49	WG2494319
1,4-Dichlorobenzene	U		11.7	394	1	04/18/2025 21:49	WG2494319
3,3-Dichlorobenzidine	U		14.6	394	1	04/18/2025 21:49	WG2494319
2,4-Dinitrotoluene	U		11.3	394	1	04/18/2025 21:49	WG2494319
2,6-Dinitrotoluene	U		12.9	394	1	04/18/2025 21:49	WG2494319
Fluoranthene	U		7.11	39.4	1	04/18/2025 21:49	WG2494319
Fluorene	U		6.41	39.4	1	04/18/2025 21:49	WG2494319
Hexachlorobenzene	U		14.0	394	1	04/18/2025 21:49	WG2494319
Hexachloro-1,3-butadiene	U		13.3	394	1	04/18/2025 21:49	WG2494319
Hexachlorocyclopentadiene	U	C3	20.7	394	1	04/18/2025 21:49	WG2494319
Hexachloroethane	U		15.5	394	1	04/18/2025 21:49	WG2494319
Indeno(1,2,3-cd)pyrene	U		11.1	39.4	1	04/18/2025 21:49	WG2494319
Isophorone	U		12.1	394	1	04/18/2025 21:49	WG2494319
1-Methylnaphthalene	U		5.04	39.4	1	04/18/2025 21:49	WG2494319
2-Methylnaphthalene	U		5.11	39.4	1	04/18/2025 21:49	WG2494319
Naphthalene	U		9.89	39.4	1	04/18/2025 21:49	WG2494319
Nitrobenzene	U		13.7	394	1	04/18/2025 21:49	WG2494319
n-Nitrosodimethylamine	U		58.5	394	1	04/18/2025 21:49	WG2494319
n-Nitrosodiphenylamine	U		29.8	394	1	04/18/2025 21:49	WG2494319
n-Nitrosodi-n-propylamine	U		13.1	394	1	04/18/2025 21:49	WG2494319

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phenanthrene	U		7.82	39.4	1	04/18/2025 21:49	WG2494319
Benzylbutyl phtalate	U		12.3	394	1	04/18/2025 21:49	WG2494319
Bis(2-ethylhexyl)phtalate	U		49.9	394	1	04/18/2025 21:49	WG2494319
Di-n-butyl phtalate	U		13.5	394	1	04/18/2025 21:49	WG2494319
Diethyl phtalate	U		13.0	394	1	04/18/2025 21:49	WG2494319
Dimethyl phtalate	U		83.6	394	1	04/18/2025 21:49	WG2494319
Di-n-octyl phtalate	U		26.6	394	1	04/18/2025 21:49	WG2494319
Pyrene	U		7.67	39.4	1	04/18/2025 21:49	WG2494319
1,2,4-Trichlorobenzene	U		12.3	394	1	04/18/2025 21:49	WG2494319
4-Chloro-3-methylphenol	U		12.8	394	1	04/18/2025 21:49	WG2494319
2-Chlorophenol	U		13.0	394	1	04/18/2025 21:49	WG2494319
2,4-Dichlorophenol	U		11.5	394	1	04/18/2025 21:49	WG2494319
2,4-Dimethylphenol	U	<u>C3</u>	10.3	394	1	04/18/2025 21:49	WG2494319
4,6-Dinitro-2-methylphenol	U		89.3	394	1	04/18/2025 21:49	WG2494319
2,4-Dinitrophenol	U		92.2	394	1	04/18/2025 21:49	WG2494319
2-Nitrophenol	U		14.1	394	1	04/18/2025 21:49	WG2494319
4-Nitrophenol	U		12.3	394	1	04/18/2025 21:49	WG2494319
Pentachlorophenol	U		10.6	394	1	04/18/2025 21:49	WG2494319
Phenol	U		15.9	394	1	04/18/2025 21:49	WG2494319
2,4,6-Trichlorophenol	U		12.7	394	1	04/18/2025 21:49	WG2494319
(S) 2-Fluorophenol	46.4			12.0-120		04/18/2025 21:49	WG2494319
(S) Phenol-d5	41.4			10.0-120		04/18/2025 21:49	WG2494319
(S) Nitrobenzene-d5	31.5			10.0-122		04/18/2025 21:49	WG2494319
(S) 2-Fluorobiphenyl	37.8			15.0-120		04/18/2025 21:49	WG2494319
(S) 2,4,6-Tribromophenol	41.1			10.0-127		04/18/2025 21:49	WG2494319
(S) p-Terphenyl-d14	44.4			10.0-120		04/18/2025 21:49	WG2494319

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.0		1	04/18/2025 12:28	WG2494222

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Hexavalent Chromium	U		468	1240	1	04/19/2025 09:06	WG2494358

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Mercury	U		25.4	49.4	1	04/18/2025 15:11	WG2494327

Metals (ICP) by Method 6010D

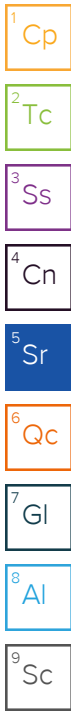
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Aluminum	4360000		7510	24700	1	04/18/2025 15:45	WG2494333
Antimony	U		853	2470	1	04/18/2025 15:45	WG2494333
Arsenic	6880		1030	2470	1	04/18/2025 15:45	WG2494333
Barium	71900		105	618	1	04/18/2025 15:45	WG2494333
Beryllium	457		58.9	247	1	04/18/2025 15:45	WG2494333
Cadmium	262	J	80.7	618	1	04/18/2025 15:45	WG2494333
Calcium	14700000		23500	124000	1	04/18/2025 15:45	WG2494333
Chromium	5440		264	1240	1	04/18/2025 15:45	WG2494333
Cobalt	4900		219	1240	1	04/18/2025 15:45	WG2494333
Copper	8900		441	2470	1	04/18/2025 15:45	WG2494333
Iron	9240000		2770	12400	1	04/18/2025 15:45	WG2494333
Lead	10800		403	618	1	04/18/2025 15:45	WG2494333
Magnesium	2720000		24600	124000	1	04/18/2025 15:45	WG2494333
Manganese	259000		214	1240	1	04/18/2025 15:45	WG2494333
Nickel	7080		247	2470	1	04/18/2025 15:45	WG2494333
Potassium	1230000		25800	124000	1	04/18/2025 15:45	WG2494333
Selenium	1620	J	1320	2470	1	04/18/2025 15:45	WG2494333
Silver	U		157	1240	1	04/18/2025 15:45	WG2494333
Sodium	178000		50900	124000	1	04/18/2025 15:45	WG2494333
Thallium	U		640	2470	1	04/18/2025 15:45	WG2494333
Vanadium	13400		473	2470	1	04/18/2025 15:45	WG2494333
Zinc	40400		1200	6180	1	04/18/2025 15:45	WG2494333

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
TPH (GC/FID) Low Fraction	41.9	B J	26.8	124	1	04/18/2025 14:04	WG2494347
(S) a,a,a-Trifluorotoluene(FID)	97.5			77.0-120		04/18/2025 14:04	WG2494347

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Acetone	U		53.7	73.6	1	04/18/2025 14:51	WG2494349
Acrylonitrile	U		5.31	18.4	1	04/18/2025 14:51	WG2494349
Benzene	U		0.687	1.47	1	04/18/2025 14:51	WG2494349
Bromobenzene	U		1.32	18.4	1	04/18/2025 14:51	WG2494349
Bromodichloromethane	U		1.07	3.68	1	04/18/2025 14:51	WG2494349
Bromoform	U	C3	1.72	36.8	1	04/18/2025 14:51	WG2494349



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
Bromomethane	U	<u>J4</u>	2.90	18.4	1	04/18/2025 14:51	WG2494349
n-Butylbenzene	U		7.72	18.4	1	04/18/2025 14:51	WG2494349
sec-Butylbenzene	U		4.24	18.4	1	04/18/2025 14:51	WG2494349
tert-Butylbenzene	U		2.87	7.36	1	04/18/2025 14:51	WG2494349
Carbon tetrachloride	U		1.32	7.36	1	04/18/2025 14:51	WG2494349
Chlorobenzene	U		0.309	3.68	1	04/18/2025 14:51	WG2494349
Chlorodibromomethane	U		0.900	3.68	1	04/18/2025 14:51	WG2494349
Chloroethane	U		2.50	7.36	1	04/18/2025 14:51	WG2494349
Chloroform	1.57	<u>BJ</u>	1.52	3.68	1	04/18/2025 14:51	WG2494349
Chloromethane	U		6.40	18.4	1	04/18/2025 14:51	WG2494349
2-Chlorotoluene	U		1.27	3.68	1	04/18/2025 14:51	WG2494349
4-Chlorotoluene	U		0.662	7.36	1	04/18/2025 14:51	WG2494349
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	5.74	36.8	1	04/18/2025 14:51	WG2494349
1,2-Dibromoethane	U		0.953	3.68	1	04/18/2025 14:51	WG2494349
Dibromomethane	U		1.10	7.36	1	04/18/2025 14:51	WG2494349
1,2-Dichlorobenzene	U		0.625	7.36	1	04/18/2025 14:51	WG2494349
1,3-Dichlorobenzene	U		0.883	7.36	1	04/18/2025 14:51	WG2494349
1,4-Dichlorobenzene	U		1.03	7.36	1	04/18/2025 14:51	WG2494349
Dichlorodifluoromethane	U	<u>J4</u>	2.37	7.36	1	04/18/2025 14:51	WG2494349
1,1-Dichloroethane	U		0.722	3.68	1	04/18/2025 14:51	WG2494349
1,2-Dichloroethane	U		0.955	3.68	1	04/18/2025 14:51	WG2494349
1,1-Dichloroethene	U		0.892	3.68	1	04/18/2025 14:51	WG2494349
cis-1,2-Dichloroethene	U		1.08	3.68	1	04/18/2025 14:51	WG2494349
trans-1,2-Dichloroethene	U		1.53	7.36	1	04/18/2025 14:51	WG2494349
1,2-Dichloropropane	U		2.09	7.36	1	04/18/2025 14:51	WG2494349
1,1-Dichloropropene	U		1.19	3.68	1	04/18/2025 14:51	WG2494349
1,3-Dichloropropane	U		0.737	7.36	1	04/18/2025 14:51	WG2494349
cis-1,3-Dichloropropene	U		1.11	3.68	1	04/18/2025 14:51	WG2494349
trans-1,3-Dichloropropene	U		1.68	7.36	1	04/18/2025 14:51	WG2494349
2,2-Dichloropropane	U		2.03	3.68	1	04/18/2025 14:51	WG2494349
Di-isopropyl ether	U		0.603	1.47	1	04/18/2025 14:51	WG2494349
Ethylbenzene	U		1.08	3.68	1	04/18/2025 14:51	WG2494349
Hexachloro-1,3-butadiene	U	<u>C3</u>	8.83	36.8	1	04/18/2025 14:51	WG2494349
Isopropylbenzene	U		0.625	3.68	1	04/18/2025 14:51	WG2494349
p-Isopropyltoluene	U		3.75	7.36	1	04/18/2025 14:51	WG2494349
2-Butanone (MEK)	U		93.4	147	1	04/18/2025 14:51	WG2494349
Methylene Chloride	U		9.77	36.8	1	04/18/2025 14:51	WG2494349
4-Methyl-2-pentanone (MIBK)	U		3.35	36.8	1	04/18/2025 14:51	WG2494349
Methyl tert-butyl ether	1.29	<u>J</u>	0.515	1.47	1	04/18/2025 14:51	WG2494349
Naphthalene	U		7.18	18.4	1	04/18/2025 14:51	WG2494349
n-Propylbenzene	U		1.40	7.36	1	04/18/2025 14:51	WG2494349
Styrene	U		0.337	18.4	1	04/18/2025 14:51	WG2494349
1,1,1,2-Tetrachloroethane	U		1.39	3.68	1	04/18/2025 14:51	WG2494349
1,1,2,2-Tetrachloroethane	U		1.02	3.68	1	04/18/2025 14:51	WG2494349
1,1,2-Trichlorotrifluoroethane	U		1.11	3.68	1	04/18/2025 14:51	WG2494349
Tetrachloroethene	U		1.32	3.68	1	04/18/2025 14:51	WG2494349
Toluene	U		1.91	7.36	1	04/18/2025 14:51	WG2494349
1,2,3-Trichlorobenzene	U		10.8	18.4	1	04/18/2025 14:51	WG2494349
1,2,4-Trichlorobenzene	U		6.47	18.4	1	04/18/2025 14:51	WG2494349
1,1,1-Trichloroethane	U		1.36	3.68	1	04/18/2025 14:51	WG2494349
1,1,2-Trichloroethane	U		0.878	3.68	1	04/18/2025 14:51	WG2494349
Trichloroethene	U		0.859	1.47	1	04/18/2025 14:51	WG2494349
Trichlorofluoromethane	U		1.22	3.68	1	04/18/2025 14:51	WG2494349
1,2,3-Trichloropropane	U		2.38	18.4	1	04/18/2025 14:51	WG2494349
1,2,4-Trimethylbenzene	U		2.32	7.36	1	04/18/2025 14:51	WG2494349
1,2,3-Trimethylbenzene	U		2.32	7.36	1	04/18/2025 14:51	WG2494349

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
1,3,5-Trimethylbenzene	U		2.94	7.36	1	04/18/2025 14:51	WG2494349
Vinyl chloride	U	J4	1.71	3.68	1	04/18/2025 14:51	WG2494349
Xylenes, Total	U		1.29	9.56	1	04/18/2025 14:51	WG2494349
(S) Toluene-d8	91.5			75.0-131		04/18/2025 14:51	WG2494349
(S) 4-Bromofluorobenzene	104			67.0-138		04/18/2025 14:51	WG2494349
(S) 1,2-Dichloroethane-d4	100			70.0-130		04/18/2025 14:51	WG2494349

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1990	4940	1	04/18/2025 15:22	WG2494321
C28-C36 Motor Oil Range	4050	BJ	338	4940	1	04/18/2025 15:22	WG2494321
(S) o-Terphenyl	65.0			18.0-148		04/18/2025 15:22	WG2494321

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
Acenaphthene	U		6.66	41.1	1	04/19/2025 00:56	WG2494319
Acenaphthylene	U		5.79	41.1	1	04/19/2025 00:56	WG2494319
Anthracene	U		7.32	41.1	1	04/19/2025 00:56	WG2494319
Benzidine	U		77.3	2060	1	04/19/2025 00:56	WG2494319
Benzo(a)anthracene	U		7.25	41.1	1	04/19/2025 00:56	WG2494319
Benzo(b)fluoranthene	U		7.67	41.1	1	04/19/2025 00:56	WG2494319
Benzo(k)fluoranthene	U		7.31	41.1	1	04/19/2025 00:56	WG2494319
Benzo(g,h,i)perylene	U		7.52	41.1	1	04/19/2025 00:56	WG2494319
Benzo(a)pyrene	U		7.65	41.1	1	04/19/2025 00:56	WG2494319
Bis(2-chloroethoxy)methane	U		12.4	411	1	04/19/2025 00:56	WG2494319
Bis(2-chloroethyl)ether	U		13.6	411	1	04/19/2025 00:56	WG2494319
2,2-Oxybis(1-Chloropropane)	U		17.8	411	1	04/19/2025 00:56	WG2494319
4-Bromophenyl-phenylether	U		14.5	411	1	04/19/2025 00:56	WG2494319
2-Chloronaphthalene	U		7.23	41.1	1	04/19/2025 00:56	WG2494319
4-Chlorophenyl-phenylether	U		14.3	411	1	04/19/2025 00:56	WG2494319
Chrysene	U		8.18	41.1	1	04/19/2025 00:56	WG2494319
Dibenz(a,h)anthracene	U		11.4	41.1	1	04/19/2025 00:56	WG2494319
1,2-Dichlorobenzene	U		12.2	411	1	04/19/2025 00:56	WG2494319
1,3-Dichlorobenzene	U		12.5	411	1	04/19/2025 00:56	WG2494319
1,4-Dichlorobenzene	U		12.2	411	1	04/19/2025 00:56	WG2494319
3,3-Dichlorobenzidine	U		15.2	411	1	04/19/2025 00:56	WG2494319
2,4-Dinitrotoluene	U		11.8	411	1	04/19/2025 00:56	WG2494319
2,6-Dinitrotoluene	U		13.5	411	1	04/19/2025 00:56	WG2494319
Fluoranthene	U		7.42	41.1	1	04/19/2025 00:56	WG2494319
Fluorene	U		6.69	41.1	1	04/19/2025 00:56	WG2494319
Hexachlorobenzene	U		14.6	411	1	04/19/2025 00:56	WG2494319
Hexachloro-1,3-butadiene	U		13.8	411	1	04/19/2025 00:56	WG2494319
Hexachlorocyclopentadiene	U	C3 C7	21.6	411	1	04/19/2025 00:56	WG2494319
Hexachloroethane	U		16.2	411	1	04/19/2025 00:56	WG2494319
Indeno(1,2,3-cd)pyrene	U		11.6	41.1	1	04/19/2025 00:56	WG2494319
Isophorone	U		12.6	411	1	04/19/2025 00:56	WG2494319
1-Methylnaphthalene	U		5.26	41.1	1	04/19/2025 00:56	WG2494319
2-Methylnaphthalene	U		5.34	41.1	1	04/19/2025 00:56	WG2494319
Naphthalene	U		10.3	41.1	1	04/19/2025 00:56	WG2494319
Nitrobenzene	U		14.3	411	1	04/19/2025 00:56	WG2494319
n-Nitrosodimethylamine	U		61.0	411	1	04/19/2025 00:56	WG2494319
n-Nitrosodiphenylamine	U		31.1	411	1	04/19/2025 00:56	WG2494319
n-Nitrosodi-n-propylamine	U		13.7	411	1	04/19/2025 00:56	WG2494319

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phenanthrene	U		8.16	41.1	1	04/19/2025 00:56	WG2494319
Benzylbutyl phthalate	U		12.8	411	1	04/19/2025 00:56	WG2494319
Bis(2-ethylhexyl)phthalate	U		52.1	411	1	04/19/2025 00:56	WG2494319
Di-n-butyl phthalate	U		14.1	411	1	04/19/2025 00:56	WG2494319
Diethyl phthalate	U		13.6	411	1	04/19/2025 00:56	WG2494319
Dimethyl phthalate	U		87.2	411	1	04/19/2025 00:56	WG2494319
Di-n-octyl phthalate	U		27.8	411	1	04/19/2025 00:56	WG2494319
Pyrene	U		8.00	41.1	1	04/19/2025 00:56	WG2494319
1,2,4-Trichlorobenzene	U		12.8	411	1	04/19/2025 00:56	WG2494319
4-Chloro-3-methylphenol	U		13.3	411	1	04/19/2025 00:56	WG2494319
2-Chlorophenol	U		13.6	411	1	04/19/2025 00:56	WG2494319
2,4-Dichlorophenol	U		12.0	411	1	04/19/2025 00:56	WG2494319
2,4-Dimethylphenol	U	<u>C3</u>	10.7	411	1	04/19/2025 00:56	WG2494319
4,6-Dinitro-2-methylphenol	U		93.2	411	1	04/19/2025 00:56	WG2494319
2,4-Dinitrophenol	U		96.2	411	1	04/19/2025 00:56	WG2494319
2-Nitrophenol	U		14.7	411	1	04/19/2025 00:56	WG2494319
4-Nitrophenol	U		12.8	411	1	04/19/2025 00:56	WG2494319
Pentachlorophenol	U		11.1	411	1	04/19/2025 00:56	WG2494319
Phenol	U		16.6	411	1	04/19/2025 00:56	WG2494319
2,4,6-Trichlorophenol	U		13.2	411	1	04/19/2025 00:56	WG2494319
(S) 2-Fluorophenol	46.7			12.0-120		04/19/2025 00:56	WG2494319
(S) Phenol-d5	41.5			10.0-120		04/19/2025 00:56	WG2494319
(S) Nitrobenzene-d5	40.0			10.0-122		04/19/2025 00:56	WG2494319
(S) 2-Fluorobiphenyl	38.5			15.0-120		04/19/2025 00:56	WG2494319
(S) 2,4,6-Tribromophenol	40.9			10.0-127		04/19/2025 00:56	WG2494319
(S) p-Terphenyl-d14	46.1			10.0-120		04/19/2025 00:56	WG2494319

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.5		1	04/18/2025 12:28	WG2494222

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Hexavalent Chromium	U		459	1210	1	04/19/2025 09:24	WG2494358

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Mercury	U		25.0	48.5	1	04/18/2025 15:14	WG2494327

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Aluminum	6360000		7370	24200	1	04/18/2025 15:47	WG2494333
Antimony	U		837	2420	1	04/18/2025 15:47	WG2494333
Arsenic	3110		1010	2420	1	04/18/2025 15:47	WG2494333
Barium	72500		103	606	1	04/18/2025 15:47	WG2494333
Beryllium	654		57.8	242	1	04/18/2025 15:47	WG2494333
Cadmium	305	J	79.1	606	1	04/18/2025 15:47	WG2494333
Calcium	12200000		23000	121000	1	04/18/2025 15:47	WG2494333
Chromium	8110		259	1210	1	04/18/2025 15:47	WG2494333
Cobalt	5720		215	1210	1	04/18/2025 15:47	WG2494333
Copper	9560		433	2420	1	04/18/2025 15:47	WG2494333
Iron	12700000		2710	12100	1	04/18/2025 15:47	WG2494333
Lead	11500		395	606	1	04/18/2025 15:47	WG2494333
Magnesium	3690000		24100	121000	1	04/18/2025 15:47	WG2494333
Manganese	299000		210	1210	1	04/18/2025 15:47	WG2494333
Nickel	9090		242	2420	1	04/18/2025 15:47	WG2494333
Potassium	1840000		25300	121000	1	04/18/2025 15:47	WG2494333
Selenium	U		1300	2420	1	04/18/2025 15:47	WG2494333
Silver	U		154	1210	1	04/18/2025 15:47	WG2494333
Sodium	442000		49900	121000	1	04/18/2025 15:47	WG2494333
Thallium	U		628	2420	1	04/18/2025 15:47	WG2494333
Vanadium	17200		464	2420	1	04/18/2025 15:47	WG2494333
Zinc	37900		1180	6060	1	04/18/2025 15:47	WG2494333

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
TPH (GC/FID) Low Fraction	41.6	B J	26.3	121	1	04/18/2025 14:28	WG2494347
(S) a,a,a-Trifluorotoluene(FID)	98.4			77.0-120		04/18/2025 14:28	WG2494347

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Acetone	U		52.0	71.2	1	04/18/2025 15:10	WG2494349
Acrylonitrile	U		5.14	17.8	1	04/18/2025 15:10	WG2494349
Benzene	U		0.665	1.42	1	04/18/2025 15:10	WG2494349
Bromobenzene	U		1.28	17.8	1	04/18/2025 15:10	WG2494349
Bromodichloromethane	U		1.03	3.56	1	04/18/2025 15:10	WG2494349
Bromoform	U	C3	1.67	35.6	1	04/18/2025 15:10	WG2494349



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
Bromomethane	U	J4	2.80	17.8	1	04/18/2025 15:10	WG2494349
n-Butylbenzene	U		7.47	17.8	1	04/18/2025 15:10	WG2494349
sec-Butylbenzene	U		4.10	17.8	1	04/18/2025 15:10	WG2494349
tert-Butylbenzene	U		2.78	7.12	1	04/18/2025 15:10	WG2494349
Carbon tetrachloride	U		1.28	7.12	1	04/18/2025 15:10	WG2494349
Chlorobenzene	U		0.299	3.56	1	04/18/2025 15:10	WG2494349
Chlorodibromomethane	U		0.871	3.56	1	04/18/2025 15:10	WG2494349
Chloroethane	U		2.42	7.12	1	04/18/2025 15:10	WG2494349
Chloroform	U		1.47	3.56	1	04/18/2025 15:10	WG2494349
Chloromethane	U		6.19	17.8	1	04/18/2025 15:10	WG2494349
2-Chlorotoluene	U		1.23	3.56	1	04/18/2025 15:10	WG2494349
4-Chlorotoluene	U		0.641	7.12	1	04/18/2025 15:10	WG2494349
1,2-Dibromo-3-Chloropropane	U	C3	5.55	35.6	1	04/18/2025 15:10	WG2494349
1,2-Dibromoethane	U		0.923	3.56	1	04/18/2025 15:10	WG2494349
Dibromomethane	U		1.07	7.12	1	04/18/2025 15:10	WG2494349
1,2-Dichlorobenzene	U		0.605	7.12	1	04/18/2025 15:10	WG2494349
1,3-Dichlorobenzene	U		0.854	7.12	1	04/18/2025 15:10	WG2494349
1,4-Dichlorobenzene	U		0.997	7.12	1	04/18/2025 15:10	WG2494349
Dichlorodifluoromethane	U	J4	2.29	7.12	1	04/18/2025 15:10	WG2494349
1,1-Dichloroethane	U		0.699	3.56	1	04/18/2025 15:10	WG2494349
1,2-Dichloroethane	U		0.924	3.56	1	04/18/2025 15:10	WG2494349
1,1-Dichloroethene	U		0.863	3.56	1	04/18/2025 15:10	WG2494349
cis-1,2-Dichloroethene	U		1.05	3.56	1	04/18/2025 15:10	WG2494349
trans-1,2-Dichloroethene	U		1.48	7.12	1	04/18/2025 15:10	WG2494349
1,2-Dichloropropane	U		2.02	7.12	1	04/18/2025 15:10	WG2494349
1,1-Dichloropropene	U		1.15	3.56	1	04/18/2025 15:10	WG2494349
1,3-Dichloropropane	U		0.713	7.12	1	04/18/2025 15:10	WG2494349
cis-1,3-Dichloropropene	U		1.08	3.56	1	04/18/2025 15:10	WG2494349
trans-1,3-Dichloropropene	U		1.62	7.12	1	04/18/2025 15:10	WG2494349
2,2-Dichloropropane	U		1.96	3.56	1	04/18/2025 15:10	WG2494349
Di-isopropyl ether	U		0.584	1.42	1	04/18/2025 15:10	WG2494349
Ethylbenzene	U		1.05	3.56	1	04/18/2025 15:10	WG2494349
Hexachloro-1,3-butadiene	U	C3	8.54	35.6	1	04/18/2025 15:10	WG2494349
Isopropylbenzene	U		0.605	3.56	1	04/18/2025 15:10	WG2494349
p-Isopropyltoluene	U		3.63	7.12	1	04/18/2025 15:10	WG2494349
2-Butanone (MEK)	U		90.4	142	1	04/18/2025 15:10	WG2494349
Methylene Chloride	U		9.45	35.6	1	04/18/2025 15:10	WG2494349
4-Methyl-2-pentanone (MIBK)	U		3.25	35.6	1	04/18/2025 15:10	WG2494349
Methyl tert-butyl ether	U		0.498	1.42	1	04/18/2025 15:10	WG2494349
Naphthalene	U		6.95	17.8	1	04/18/2025 15:10	WG2494349
n-Propylbenzene	U		1.35	7.12	1	04/18/2025 15:10	WG2494349
Styrene	U		0.326	17.8	1	04/18/2025 15:10	WG2494349
1,1,1,2-Tetrachloroethane	U		1.35	3.56	1	04/18/2025 15:10	WG2494349
1,1,2,2-Tetrachloroethane	U		0.990	3.56	1	04/18/2025 15:10	WG2494349
1,1,2-Trichlorotrifluoroethane	U		1.07	3.56	1	04/18/2025 15:10	WG2494349
Tetrachloroethene	U		1.28	3.56	1	04/18/2025 15:10	WG2494349
Toluene	U		1.85	7.12	1	04/18/2025 15:10	WG2494349
1,2,3-Trichlorobenzene	U		10.4	17.8	1	04/18/2025 15:10	WG2494349
1,2,4-Trichlorobenzene	U		6.26	17.8	1	04/18/2025 15:10	WG2494349
1,1,1-Trichloroethane	U		1.31	3.56	1	04/18/2025 15:10	WG2494349
1,1,2-Trichloroethane	U		0.850	3.56	1	04/18/2025 15:10	WG2494349
Trichloroethene	U		0.831	1.42	1	04/18/2025 15:10	WG2494349
Trichlorofluoromethane	U		1.18	3.56	1	04/18/2025 15:10	WG2494349
1,2,3-Trichloropropane	U		2.31	17.8	1	04/18/2025 15:10	WG2494349
1,2,4-Trimethylbenzene	U		2.25	7.12	1	04/18/2025 15:10	WG2494349
1,2,3-Trimethylbenzene	U		2.25	7.12	1	04/18/2025 15:10	WG2494349

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
1,3,5-Trimethylbenzene	U		2.85	7.12	1	04/18/2025 15:10	WG2494349
Vinyl chloride	U	J4	1.65	3.56	1	04/18/2025 15:10	WG2494349
Xylenes, Total	U		1.25	9.25	1	04/18/2025 15:10	WG2494349
(S) Toluene-d8	92.3			75.0-131		04/18/2025 15:10	WG2494349
(S) 4-Bromofluorobenzene	103			67.0-138		04/18/2025 15:10	WG2494349
(S) 1,2-Dichloroethane-d4	101			70.0-130		04/18/2025 15:10	WG2494349

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1950	4850	1	04/18/2025 14:57	WG2494321
C28-C36 Motor Oil Range	1430	B J	332	4850	1	04/18/2025 14:57	WG2494321
(S) o-Terphenyl	52.0			18.0-148		04/18/2025 14:57	WG2494321

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
Acenaphthene	U		6.53	40.4	1	04/19/2025 00:36	WG2494319
Acenaphthylene	U		5.68	40.4	1	04/19/2025 00:36	WG2494319
Anthracene	U		7.19	40.4	1	04/19/2025 00:36	WG2494319
Benzidine	U		75.9	2020	1	04/19/2025 00:36	WG2494319
Benzo(a)anthracene	U		7.11	40.4	1	04/19/2025 00:36	WG2494319
Benzo(b)fluoranthene	U		7.53	40.4	1	04/19/2025 00:36	WG2494319
Benzo(k)fluoranthene	U		7.17	40.4	1	04/19/2025 00:36	WG2494319
Benzo(g,h,i)perylene	U		7.38	40.4	1	04/19/2025 00:36	WG2494319
Benzo(a)pyrene	U		7.50	40.4	1	04/19/2025 00:36	WG2494319
Bis(2-chloroethoxy)methane	U		12.1	404	1	04/19/2025 00:36	WG2494319
Bis(2-chloroethyl)ether	U		13.3	404	1	04/19/2025 00:36	WG2494319
2,2-Oxybis(1-Chloropropane)	U		17.5	404	1	04/19/2025 00:36	WG2494319
4-Bromophenyl-phenylether	U		14.2	404	1	04/19/2025 00:36	WG2494319
2-Chloronaphthalene	U		7.09	40.4	1	04/19/2025 00:36	WG2494319
4-Chlorophenyl-phenylether	U		14.1	404	1	04/19/2025 00:36	WG2494319
Chrysene	U		8.02	40.4	1	04/19/2025 00:36	WG2494319
Dibenz(a,h)anthracene	U		11.2	40.4	1	04/19/2025 00:36	WG2494319
1,2-Dichlorobenzene	U		12.0	404	1	04/19/2025 00:36	WG2494319
1,3-Dichlorobenzene	U		12.2	404	1	04/19/2025 00:36	WG2494319
1,4-Dichlorobenzene	U		12.0	404	1	04/19/2025 00:36	WG2494319
3,3-Dichlorobenzidine	U		14.9	404	1	04/19/2025 00:36	WG2494319
2,4-Dinitrotoluene	U		11.6	404	1	04/19/2025 00:36	WG2494319
2,6-Dinitrotoluene	U		13.2	404	1	04/19/2025 00:36	WG2494319
Fluoranthene	U		7.28	40.4	1	04/19/2025 00:36	WG2494319
Fluorene	U		6.57	40.4	1	04/19/2025 00:36	WG2494319
Hexachlorobenzene	U		14.3	404	1	04/19/2025 00:36	WG2494319
Hexachloro-1,3-butadiene	U		13.6	404	1	04/19/2025 00:36	WG2494319
Hexachlorocyclopentadiene	U	C3 C7	21.2	404	1	04/19/2025 00:36	WG2494319
Hexachloroethane	U		15.9	404	1	04/19/2025 00:36	WG2494319
Indeno(1,2,3-cd)pyrene	U		11.4	40.4	1	04/19/2025 00:36	WG2494319
Isophorone	U		12.4	404	1	04/19/2025 00:36	WG2494319
1-Methylnaphthalene	U		5.16	40.4	1	04/19/2025 00:36	WG2494319
2-Methylnaphthalene	5.71	J	5.24	40.4	1	04/19/2025 00:36	WG2494319
Naphthalene	U		10.1	40.4	1	04/19/2025 00:36	WG2494319
Nitrobenzene	U		14.1	404	1	04/19/2025 00:36	WG2494319
n-Nitrosodimethylamine	U		59.9	404	1	04/19/2025 00:36	WG2494319
n-Nitrosodiphenylamine	U		30.5	404	1	04/19/2025 00:36	WG2494319
n-Nitrosodi-n-propylamine	U		13.5	404	1	04/19/2025 00:36	WG2494319

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phenanthrene	U		8.01	40.4	1	04/19/2025 00:36	WG2494319
Benzylbutyl phthalate	U		12.6	404	1	04/19/2025 00:36	WG2494319
Bis(2-ethylhexyl)phthalate	U		51.1	404	1	04/19/2025 00:36	WG2494319
Di-n-butyl phthalate	U		13.8	404	1	04/19/2025 00:36	WG2494319
Diethyl phthalate	U		13.3	404	1	04/19/2025 00:36	WG2494319
Dimethyl phthalate	U		85.6	404	1	04/19/2025 00:36	WG2494319
Di-n-octyl phthalate	U		27.3	404	1	04/19/2025 00:36	WG2494319
Pyrene	U		7.85	40.4	1	04/19/2025 00:36	WG2494319
1,2,4-Trichlorobenzene	U		12.6	404	1	04/19/2025 00:36	WG2494319
4-Chloro-3-methylphenol	U		13.1	404	1	04/19/2025 00:36	WG2494319
2-Chlorophenol	U		13.3	404	1	04/19/2025 00:36	WG2494319
2,4-Dichlorophenol	U		11.8	404	1	04/19/2025 00:36	WG2494319
2,4-Dimethylphenol	U	<u>C3</u>	10.5	404	1	04/19/2025 00:36	WG2494319
4,6-Dinitro-2-methylphenol	U		91.5	404	1	04/19/2025 00:36	WG2494319
2,4-Dinitrophenol	U		94.4	404	1	04/19/2025 00:36	WG2494319
2-Nitrophenol	U		14.4	404	1	04/19/2025 00:36	WG2494319
4-Nitrophenol	U		12.6	404	1	04/19/2025 00:36	WG2494319
Pentachlorophenol	U		10.9	404	1	04/19/2025 00:36	WG2494319
Phenol	U		16.2	404	1	04/19/2025 00:36	WG2494319
2,4,6-Trichlorophenol	U		13.0	404	1	04/19/2025 00:36	WG2494319
(S) 2-Fluorophenol	49.5			12.0-120		04/19/2025 00:36	WG2494319
(S) Phenol-d5	43.9			10.0-120		04/19/2025 00:36	WG2494319
(S) Nitrobenzene-d5	42.7			10.0-122		04/19/2025 00:36	WG2494319
(S) 2-Fluorobiphenyl	42.4			15.0-120		04/19/2025 00:36	WG2494319
(S) 2,4,6-Tribromophenol	43.2			10.0-127		04/19/2025 00:36	WG2494319
(S) p-Terphenyl-d14	46.1			10.0-120		04/19/2025 00:36	WG2494319

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.4		1	04/18/2025 12:28	WG2494222

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Hexavalent Chromium	U		465	1230	1	04/19/2025 09:33	WG2494358

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Mercury	U		25.3	49.1	1	04/18/2025 15:17	WG2494327

Metals (ICP) by Method 6010D

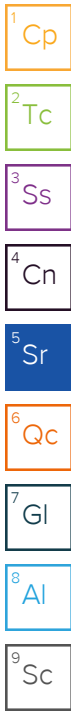
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Aluminum	2360000		7470	24600	1	04/18/2025 15:52	WG2494333
Antimony	U		849	2460	1	04/18/2025 15:52	WG2494333
Arsenic	1610	J	1030	2460	1	04/18/2025 15:52	WG2494333
Barium	30900		104	614	1	04/18/2025 15:52	WG2494333
Beryllium	309		58.6	246	1	04/18/2025 15:52	WG2494333
Cadmium	174	J	80.2	614	1	04/18/2025 15:52	WG2494333
Calcium	4340000		23300	123000	1	04/18/2025 15:52	WG2494333
Chromium	3300		263	1230	1	04/18/2025 15:52	WG2494333
Cobalt	2060		217	1230	1	04/18/2025 15:52	WG2494333
Copper	6630		438	2460	1	04/18/2025 15:52	WG2494333
Iron	4330000		2750	12300	1	04/18/2025 15:52	WG2494333
Lead	6540		400	614	1	04/18/2025 15:52	WG2494333
Magnesium	1610000		24400	123000	1	04/18/2025 15:52	WG2494333
Manganese	97200		212	1230	1	04/18/2025 15:52	WG2494333
Nickel	4420		246	2460	1	04/18/2025 15:52	WG2494333
Potassium	782000		25700	123000	1	04/18/2025 15:52	WG2494333
Selenium	U		1310	2460	1	04/18/2025 15:52	WG2494333
Silver	U		156	1230	1	04/18/2025 15:52	WG2494333
Sodium	477000		50600	123000	1	04/18/2025 15:52	WG2494333
Thallium	U		636	2460	1	04/18/2025 15:52	WG2494333
Vanadium	7630		470	2460	1	04/18/2025 15:52	WG2494333
Zinc	20900		1200	6140	1	04/18/2025 15:52	WG2494333

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
TPH (GC/FID) Low Fraction	105	B J	26.6	123	1	04/18/2025 14:51	WG2494347
(S) a,a,a-Trifluorotoluene(FID)	97.2			77.0-120		04/18/2025 14:51	WG2494347

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Acetone	U		53.2	72.8	1	04/18/2025 15:29	WG2494349
Acrylonitrile	U		5.26	18.2	1	04/18/2025 15:29	WG2494349
Benzene	U		0.680	1.46	1	04/18/2025 15:29	WG2494349
Bromobenzene	U		1.31	18.2	1	04/18/2025 15:29	WG2494349
Bromodichloromethane	U		1.06	3.64	1	04/18/2025 15:29	WG2494349
Bromoform	U	C3	1.70	36.4	1	04/18/2025 15:29	WG2494349



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
Bromomethane	U	J4	2.87	18.2	1	04/18/2025 15:29	WG2494349
n-Butylbenzene	U		7.65	18.2	1	04/18/2025 15:29	WG2494349
sec-Butylbenzene	U		4.19	18.2	1	04/18/2025 15:29	WG2494349
tert-Butylbenzene	U		2.84	7.28	1	04/18/2025 15:29	WG2494349
Carbon tetrachloride	U		1.31	7.28	1	04/18/2025 15:29	WG2494349
Chlorobenzene	U		0.306	3.64	1	04/18/2025 15:29	WG2494349
Chlorodibromomethane	U		0.891	3.64	1	04/18/2025 15:29	WG2494349
Chloroethane	U		2.48	7.28	1	04/18/2025 15:29	WG2494349
Chloroform	U		1.50	3.64	1	04/18/2025 15:29	WG2494349
Chloromethane	U		6.34	18.2	1	04/18/2025 15:29	WG2494349
2-Chlorotoluene	U		1.26	3.64	1	04/18/2025 15:29	WG2494349
4-Chlorotoluene	U		0.655	7.28	1	04/18/2025 15:29	WG2494349
1,2-Dibromo-3-Chloropropane	U	C3	5.68	36.4	1	04/18/2025 15:29	WG2494349
1,2-Dibromoethane	U		0.944	3.64	1	04/18/2025 15:29	WG2494349
Dibromomethane	U		1.09	7.28	1	04/18/2025 15:29	WG2494349
1,2-Dichlorobenzene	U		0.619	7.28	1	04/18/2025 15:29	WG2494349
1,3-Dichlorobenzene	U		0.874	7.28	1	04/18/2025 15:29	WG2494349
1,4-Dichlorobenzene	U		1.02	7.28	1	04/18/2025 15:29	WG2494349
Dichlorodifluoromethane	U	J4	2.34	7.28	1	04/18/2025 15:29	WG2494349
1,1-Dichloroethane	U		0.715	3.64	1	04/18/2025 15:29	WG2494349
1,2-Dichloroethane	U		0.945	3.64	1	04/18/2025 15:29	WG2494349
1,1-Dichloroethene	U		0.883	3.64	1	04/18/2025 15:29	WG2494349
cis-1,2-Dichloroethene	U		1.07	3.64	1	04/18/2025 15:29	WG2494349
trans-1,2-Dichloroethene	U		1.51	7.28	1	04/18/2025 15:29	WG2494349
1,2-Dichloropropane	U		2.07	7.28	1	04/18/2025 15:29	WG2494349
1,1-Dichloropropene	U		1.18	3.64	1	04/18/2025 15:29	WG2494349
1,3-Dichloropropane	U		0.730	7.28	1	04/18/2025 15:29	WG2494349
cis-1,3-Dichloropropene	U		1.10	3.64	1	04/18/2025 15:29	WG2494349
trans-1,3-Dichloropropene	U		1.66	7.28	1	04/18/2025 15:29	WG2494349
2,2-Dichloropropane	U		2.01	3.64	1	04/18/2025 15:29	WG2494349
Di-isopropyl ether	U		0.597	1.46	1	04/18/2025 15:29	WG2494349
Ethylbenzene	U		1.07	3.64	1	04/18/2025 15:29	WG2494349
Hexachloro-1,3-butadiene	U	C3	8.74	36.4	1	04/18/2025 15:29	WG2494349
Isopropylbenzene	U		0.619	3.64	1	04/18/2025 15:29	WG2494349
p-Isopropyltoluene	U		3.71	7.28	1	04/18/2025 15:29	WG2494349
2-Butanone (MEK)	U		92.5	146	1	04/18/2025 15:29	WG2494349
Methylene Chloride	U		9.67	36.4	1	04/18/2025 15:29	WG2494349
4-Methyl-2-pentanone (MIBK)	U		3.32	36.4	1	04/18/2025 15:29	WG2494349
Methyl tert-butyl ether	U		0.510	1.46	1	04/18/2025 15:29	WG2494349
Naphthalene	U		7.11	18.2	1	04/18/2025 15:29	WG2494349
n-Propylbenzene	U		1.38	7.28	1	04/18/2025 15:29	WG2494349
Styrene	U		0.334	18.2	1	04/18/2025 15:29	WG2494349
1,1,1,2-Tetrachloroethane	U		1.38	3.64	1	04/18/2025 15:29	WG2494349
1,1,2,2-Tetrachloroethane	U		1.01	3.64	1	04/18/2025 15:29	WG2494349
1,1,2-Trichlorotrifluoroethane	U		1.10	3.64	1	04/18/2025 15:29	WG2494349
Tetrachloroethene	U		1.30	3.64	1	04/18/2025 15:29	WG2494349
Toluene	U		1.89	7.28	1	04/18/2025 15:29	WG2494349
1,2,3-Trichlorobenzene	U		10.7	18.2	1	04/18/2025 15:29	WG2494349
1,2,4-Trichlorobenzene	U		6.41	18.2	1	04/18/2025 15:29	WG2494349
1,1,1-Trichloroethane	U		1.34	3.64	1	04/18/2025 15:29	WG2494349
1,1,2-Trichloroethane	U		0.869	3.64	1	04/18/2025 15:29	WG2494349
Trichloroethene	U		0.851	1.46	1	04/18/2025 15:29	WG2494349
Trichlorofluoromethane	U		1.20	3.64	1	04/18/2025 15:29	WG2494349
1,2,3-Trichloropropane	U		2.36	18.2	1	04/18/2025 15:29	WG2494349
1,2,4-Trimethylbenzene	3.10	J	2.30	7.28	1	04/18/2025 15:29	WG2494349
1,2,3-Trimethylbenzene	3.90	J	2.30	7.28	1	04/18/2025 15:29	WG2494349

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
1,3,5-Trimethylbenzene	4.08	J	2.91	7.28	1	04/18/2025 15:29	WG2494349
Vinyl chloride	U	J4	1.69	3.64	1	04/18/2025 15:29	WG2494349
Xylenes, Total	2.62	J	1.28	9.47	1	04/18/2025 15:29	WG2494349
(S) Toluene-d8	91.4			75.0-131		04/18/2025 15:29	WG2494349
(S) 4-Bromofluorobenzene	106			67.0-138		04/18/2025 15:29	WG2494349
(S) 1,2-Dichloroethane-d4	101			70.0-130		04/18/2025 15:29	WG2494349

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	11100		1980	4910	1	04/18/2025 15:22	WG2494321
C28-C36 Motor Oil Range	5890	B	336	4910	1	04/18/2025 15:22	WG2494321
(S) o-Terphenyl	60.2			18.0-148		04/18/2025 15:22	WG2494321

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
Acenaphthene	U		6.62	40.9	1	04/19/2025 01:17	WG2494319
Acenaphthylene	U		5.76	40.9	1	04/19/2025 01:17	WG2494319
Anthracene	U		7.28	40.9	1	04/19/2025 01:17	WG2494319
Benzidine	U		76.9	2050	1	04/19/2025 01:17	WG2494319
Benzo(a)anthracene	U		7.21	40.9	1	04/19/2025 01:17	WG2494319
Benzo(b)fluoranthene	U		7.63	40.9	1	04/19/2025 01:17	WG2494319
Benzo(k)fluoranthene	U		7.27	40.9	1	04/19/2025 01:17	WG2494319
Benzo(g,h,i)perylene	U		7.48	40.9	1	04/19/2025 01:17	WG2494319
Benzo(a)pyrene	U		7.60	40.9	1	04/19/2025 01:17	WG2494319
Bis(2-chloroethoxy)methane	U		12.3	409	1	04/19/2025 01:17	WG2494319
Bis(2-chloroethyl)ether	U		13.5	409	1	04/19/2025 01:17	WG2494319
2,2-Oxybis(1-Chloropropane)	U		17.7	409	1	04/19/2025 01:17	WG2494319
4-Bromophenyl-phenylether	U		14.4	409	1	04/19/2025 01:17	WG2494319
2-Chloronaphthalene	U		7.18	40.9	1	04/19/2025 01:17	WG2494319
4-Chlorophenyl-phenylether	U		14.2	409	1	04/19/2025 01:17	WG2494319
Chrysene	U		8.13	40.9	1	04/19/2025 01:17	WG2494319
Dibenz(a,h)anthracene	U		11.3	40.9	1	04/19/2025 01:17	WG2494319
1,2-Dichlorobenzene	U		12.1	409	1	04/19/2025 01:17	WG2494319
1,3-Dichlorobenzene	U		12.4	409	1	04/19/2025 01:17	WG2494319
1,4-Dichlorobenzene	U		12.2	409	1	04/19/2025 01:17	WG2494319
3,3-Dichlorobenzidine	U		15.1	409	1	04/19/2025 01:17	WG2494319
2,4-Dinitrotoluene	U		11.7	409	1	04/19/2025 01:17	WG2494319
2,6-Dinitrotoluene	U		13.4	409	1	04/19/2025 01:17	WG2494319
Fluoranthene	U		7.38	40.9	1	04/19/2025 01:17	WG2494319
Fluorene	U		6.66	40.9	1	04/19/2025 01:17	WG2494319
Hexachlorobenzene	U		14.5	409	1	04/19/2025 01:17	WG2494319
Hexachloro-1,3-butadiene	U		13.8	409	1	04/19/2025 01:17	WG2494319
Hexachlorocyclopentadiene	U	C3 C7	21.5	409	1	04/19/2025 01:17	WG2494319
Hexachloroethane	U		16.1	409	1	04/19/2025 01:17	WG2494319
Indeno(1,2,3-cd)pyrene	U		11.6	40.9	1	04/19/2025 01:17	WG2494319
Isophorone	U		12.5	409	1	04/19/2025 01:17	WG2494319
1-Methylnaphthalene	8.39	J	5.23	40.9	1	04/19/2025 01:17	WG2494319
2-Methylnaphthalene	8.39	J	5.30	40.9	1	04/19/2025 01:17	WG2494319
Naphthalene	U		10.3	40.9	1	04/19/2025 01:17	WG2494319
Nitrobenzene	U		14.2	409	1	04/19/2025 01:17	WG2494319
n-Nitrosodimethylamine	U		60.7	409	1	04/19/2025 01:17	WG2494319
n-Nitrosodiphenylamine	U		30.9	409	1	04/19/2025 01:17	WG2494319
n-Nitrosodi-n-propylamine	U		13.6	409	1	04/19/2025 01:17	WG2494319

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phenanthrene	U		8.12	40.9	1	04/19/2025 01:17	WG2494319
Benzylbutyl phthalate	U		12.8	409	1	04/19/2025 01:17	WG2494319
Bis(2-ethylhexyl)phthalate	U		51.8	409	1	04/19/2025 01:17	WG2494319
Di-n-butyl phthalate	U		14.0	409	1	04/19/2025 01:17	WG2494319
Diethyl phthalate	U		13.5	409	1	04/19/2025 01:17	WG2494319
Dimethyl phthalate	U		86.7	409	1	04/19/2025 01:17	WG2494319
Di-n-octyl phthalate	U		27.6	409	1	04/19/2025 01:17	WG2494319
Pyrene	U		7.96	40.9	1	04/19/2025 01:17	WG2494319
1,2,4-Trichlorobenzene	U		12.8	409	1	04/19/2025 01:17	WG2494319
4-Chloro-3-methylphenol	U		13.3	409	1	04/19/2025 01:17	WG2494319
2-Chlorophenol	U		13.5	409	1	04/19/2025 01:17	WG2494319
2,4-Dichlorophenol	U		11.9	409	1	04/19/2025 01:17	WG2494319
2,4-Dimethylphenol	U	<u>C3</u>	10.7	409	1	04/19/2025 01:17	WG2494319
4,6-Dinitro-2-methylphenol	U		92.7	409	1	04/19/2025 01:17	WG2494319
2,4-Dinitrophenol	U		95.7	409	1	04/19/2025 01:17	WG2494319
2-Nitrophenol	U		14.6	409	1	04/19/2025 01:17	WG2494319
4-Nitrophenol	U		12.8	409	1	04/19/2025 01:17	WG2494319
Pentachlorophenol	U		11.0	409	1	04/19/2025 01:17	WG2494319
Phenol	U		16.5	409	1	04/19/2025 01:17	WG2494319
2,4,6-Trichlorophenol	U		13.1	409	1	04/19/2025 01:17	WG2494319
(S) 2-Fluorophenol	48.2			12.0-120		04/19/2025 01:17	WG2494319
(S) Phenol-d5	20.8			10.0-120		04/19/2025 01:17	WG2494319
(S) Nitrobenzene-d5	39.9			10.0-122		04/19/2025 01:17	WG2494319
(S) 2-Fluorobiphenyl	40.5			15.0-120		04/19/2025 01:17	WG2494319
(S) 2,4,6-Tribromophenol	38.7			10.0-127		04/19/2025 01:17	WG2494319
(S) p-Terphenyl-d14	45.9			10.0-120		04/19/2025 01:17	WG2494319

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.3		1	04/18/2025 12:28	WG2494222

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Hexavalent Chromium	U		490	1290	1	04/19/2025 09:42	WG2494358

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Mercury	U		26.6	51.7	1	04/18/2025 15:19	WG2494327

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Aluminum	4660000		7860	25900	1	04/18/2025 15:54	WG2494333
Antimony	U		893	2590	1	04/18/2025 15:54	WG2494333
Arsenic	3400		1080	2590	1	04/18/2025 15:54	WG2494333
Barium	131000		110	646	1	04/18/2025 15:54	WG2494333
Beryllium	582		61.7	259	1	04/18/2025 15:54	WG2494333
Cadmium	368	J	84.4	646	1	04/18/2025 15:54	WG2494333
Calcium	3700000		24600	129000	1	04/18/2025 15:54	WG2494333
Chromium	6540		277	1290	1	04/18/2025 15:54	WG2494333
Cobalt	5410		229	1290	1	04/18/2025 15:54	WG2494333
Copper	16000		462	2590	1	04/18/2025 15:54	WG2494333
Iron	8210000		2900	12900	1	04/18/2025 15:54	WG2494333
Lead	12300		421	646	1	04/18/2025 15:54	WG2494333
Magnesium	2850000		25700	129000	1	04/18/2025 15:54	WG2494333
Manganese	317000		224	1290	1	04/18/2025 15:54	WG2494333
Nickel	8100		259	2590	1	04/18/2025 15:54	WG2494333
Potassium	1680000		27000	129000	1	04/18/2025 15:54	WG2494333
Selenium	U		1380	2590	1	04/18/2025 15:54	WG2494333
Silver	U		164	1290	1	04/18/2025 15:54	WG2494333
Sodium	291000		53300	129000	1	04/18/2025 15:54	WG2494333
Thallium	U		670	2590	1	04/18/2025 15:54	WG2494333
Vanadium	13300		495	2590	1	04/18/2025 15:54	WG2494333
Zinc	47700		1260	6460	1	04/18/2025 15:54	WG2494333

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
TPH (GC/FID) Low Fraction	55.1	B J	28.1	129	1	04/18/2025 15:15	WG2494347
(S) a,a,a-Trifluorotoluene(FID)	97.0			77.0-120		04/18/2025 15:15	WG2494347

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Acetone	U		57.9	79.3	1	04/18/2025 15:48	WG2494349
Acrylonitrile	U		5.73	19.8	1	04/18/2025 15:48	WG2494349
Benzene	U		0.741	1.59	1	04/18/2025 15:48	WG2494349
Bromobenzene	U		1.43	19.8	1	04/18/2025 15:48	WG2494349
Bromodichloromethane	U		1.15	3.97	1	04/18/2025 15:48	WG2494349
Bromoform	U	C3	1.86	39.7	1	04/18/2025 15:48	WG2494349



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
Bromomethane	U	<u>J4</u>	3.13	19.8	1	04/18/2025 15:48	WG2494349
n-Butylbenzene	U		8.33	19.8	1	04/18/2025 15:48	WG2494349
sec-Butylbenzene	U		4.57	19.8	1	04/18/2025 15:48	WG2494349
tert-Butylbenzene	U		3.09	7.93	1	04/18/2025 15:48	WG2494349
Carbon tetrachloride	U		1.43	7.93	1	04/18/2025 15:48	WG2494349
Chlorobenzene	U		0.333	3.97	1	04/18/2025 15:48	WG2494349
Chlorodibromomethane	U		0.971	3.97	1	04/18/2025 15:48	WG2494349
Chloroethane	U		2.70	7.93	1	04/18/2025 15:48	WG2494349
Chloroform	1.75	<u>BJ</u>	1.63	3.97	1	04/18/2025 15:48	WG2494349
Chloromethane	U		6.90	19.8	1	04/18/2025 15:48	WG2494349
2-Chlorotoluene	U		1.37	3.97	1	04/18/2025 15:48	WG2494349
4-Chlorotoluene	U		0.714	7.93	1	04/18/2025 15:48	WG2494349
1,2-Dibromo-3-Chloropropane	U	<u>C3</u>	6.19	39.7	1	04/18/2025 15:48	WG2494349
1,2-Dibromoethane	U		1.03	3.97	1	04/18/2025 15:48	WG2494349
Dibromomethane	U		1.19	7.93	1	04/18/2025 15:48	WG2494349
1,2-Dichlorobenzene	U		0.674	7.93	1	04/18/2025 15:48	WG2494349
1,3-Dichlorobenzene	U		0.952	7.93	1	04/18/2025 15:48	WG2494349
1,4-Dichlorobenzene	U		1.11	7.93	1	04/18/2025 15:48	WG2494349
Dichlorodifluoromethane	U	<u>J4</u>	2.56	7.93	1	04/18/2025 15:48	WG2494349
1,1-Dichloroethane	U		0.779	3.97	1	04/18/2025 15:48	WG2494349
1,2-Dichloroethane	U		1.03	3.97	1	04/18/2025 15:48	WG2494349
1,1-Dichloroethene	U		0.962	3.97	1	04/18/2025 15:48	WG2494349
cis-1,2-Dichloroethene	U		1.16	3.97	1	04/18/2025 15:48	WG2494349
trans-1,2-Dichloroethene	U		1.65	7.93	1	04/18/2025 15:48	WG2494349
1,2-Dichloropropane	U		2.25	7.93	1	04/18/2025 15:48	WG2494349
1,1-Dichloropropene	U		1.28	3.97	1	04/18/2025 15:48	WG2494349
1,3-Dichloropropane	U		0.795	7.93	1	04/18/2025 15:48	WG2494349
cis-1,3-Dichloropropene	U		1.20	3.97	1	04/18/2025 15:48	WG2494349
trans-1,3-Dichloropropene	U		1.81	7.93	1	04/18/2025 15:48	WG2494349
2,2-Dichloropropane	U		2.19	3.97	1	04/18/2025 15:48	WG2494349
Di-isopropyl ether	U		0.651	1.59	1	04/18/2025 15:48	WG2494349
Ethylbenzene	U		1.17	3.97	1	04/18/2025 15:48	WG2494349
Hexachloro-1,3-butadiene	U	<u>C3</u>	9.52	39.7	1	04/18/2025 15:48	WG2494349
Isopropylbenzene	U		0.674	3.97	1	04/18/2025 15:48	WG2494349
p-Isopropyltoluene	U		4.05	7.93	1	04/18/2025 15:48	WG2494349
2-Butanone (MEK)	U		101	159	1	04/18/2025 15:48	WG2494349
Methylene Chloride	U		10.5	39.7	1	04/18/2025 15:48	WG2494349
4-Methyl-2-pentanone (MIBK)	U		3.62	39.7	1	04/18/2025 15:48	WG2494349
Methyl tert-butyl ether	U		0.555	1.59	1	04/18/2025 15:48	WG2494349
Naphthalene	U		7.74	19.8	1	04/18/2025 15:48	WG2494349
n-Propylbenzene	U		1.51	7.93	1	04/18/2025 15:48	WG2494349
Styrene	U		0.363	19.8	1	04/18/2025 15:48	WG2494349
1,1,1,2-Tetrachloroethane	U		1.50	3.97	1	04/18/2025 15:48	WG2494349
1,1,2,2-Tetrachloroethane	U		1.10	3.97	1	04/18/2025 15:48	WG2494349
1,1,2-Trichlorotrifluoroethane	U		1.20	3.97	1	04/18/2025 15:48	WG2494349
Tetrachloroethene	U		1.42	3.97	1	04/18/2025 15:48	WG2494349
Toluene	U		2.06	7.93	1	04/18/2025 15:48	WG2494349
1,2,3-Trichlorobenzene	U		11.6	19.8	1	04/18/2025 15:48	WG2494349
1,2,4-Trichlorobenzene	U		6.98	19.8	1	04/18/2025 15:48	WG2494349
1,1,1-Trichloroethane	U		1.46	3.97	1	04/18/2025 15:48	WG2494349
1,1,2-Trichloroethane	U		0.947	3.97	1	04/18/2025 15:48	WG2494349
Trichloroethene	U		0.927	1.59	1	04/18/2025 15:48	WG2494349
Trichlorofluoromethane	U		1.31	3.97	1	04/18/2025 15:48	WG2494349
1,2,3-Trichloropropane	U		2.57	19.8	1	04/18/2025 15:48	WG2494349
1,2,4-Trimethylbenzene	U		2.51	7.93	1	04/18/2025 15:48	WG2494349
1,2,3-Trimethylbenzene	U		2.51	7.93	1	04/18/2025 15:48	WG2494349

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
1,3,5-Trimethylbenzene	U		3.17	7.93	1	04/18/2025 15:48	WG2494349
Vinyl chloride	U	J4	1.84	3.97	1	04/18/2025 15:48	WG2494349
Xylenes, Total	U		1.40	10.3	1	04/18/2025 15:48	WG2494349
(S) Toluene-d8	92.1			75.0-131		04/18/2025 15:48	WG2494349
(S) 4-Bromofluorobenzene	103			67.0-138		04/18/2025 15:48	WG2494349
(S) 1,2-Dichloroethane-d4	101			70.0-130		04/18/2025 15:48	WG2494349

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		2080	5170	1	04/18/2025 15:35	WG2494321
C28-C36 Motor Oil Range	2380	BJ	354	5170	1	04/18/2025 15:35	WG2494321
(S) o-Terphenyl	58.4			18.0-148		04/18/2025 15:35	WG2494321

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
Acenaphthene	U		6.97	43.1	1	04/18/2025 22:31	WG2494319
Acenaphthylene	U		6.06	43.1	1	04/18/2025 22:31	WG2494319
Anthracene	U		7.67	43.1	1	04/18/2025 22:31	WG2494319
Benzidine	U	C7	80.9	2160	1	04/18/2025 22:31	WG2494319
Benzo(a)anthracene	U		7.59	43.1	1	04/18/2025 22:31	WG2494319
Benzo(b)fluoranthene	U		8.03	43.1	1	04/18/2025 22:31	WG2494319
Benzo(k)fluoranthene	U		7.65	43.1	1	04/18/2025 22:31	WG2494319
Benzo(g,h,i)perylene	U		7.87	43.1	1	04/18/2025 22:31	WG2494319
Benzo(a)pyrene	U		8.00	43.1	1	04/18/2025 22:31	WG2494319
Bis(2-chloroethoxy)methane	U		12.9	431	1	04/18/2025 22:31	WG2494319
Bis(2-chloroethyl)ether	U		14.2	431	1	04/18/2025 22:31	WG2494319
2,2-Oxybis(1-Chloropropane)	U		18.6	431	1	04/18/2025 22:31	WG2494319
4-Bromophenyl-phenylether	U		15.1	431	1	04/18/2025 22:31	WG2494319
2-Chloronaphthalene	U		7.56	43.1	1	04/18/2025 22:31	WG2494319
4-Chlorophenyl-phenylether	U		15.0	431	1	04/18/2025 22:31	WG2494319
Chrysene	U		8.56	43.1	1	04/18/2025 22:31	WG2494319
Dibenz(a,h)anthracene	U		11.9	43.1	1	04/18/2025 22:31	WG2494319
1,2-Dichlorobenzene	U		12.8	431	1	04/18/2025 22:31	WG2494319
1,3-Dichlorobenzene	U		13.1	431	1	04/18/2025 22:31	WG2494319
1,4-Dichlorobenzene	U		12.8	431	1	04/18/2025 22:31	WG2494319
3,3-Dichlorobenzidine	U		15.9	431	1	04/18/2025 22:31	WG2494319
2,4-Dinitrotoluene	U		12.3	431	1	04/18/2025 22:31	WG2494319
2,6-Dinitrotoluene	U		14.1	431	1	04/18/2025 22:31	WG2494319
Fluoranthene	U		7.77	43.1	1	04/18/2025 22:31	WG2494319
Fluorene	U		7.01	43.1	1	04/18/2025 22:31	WG2494319
Hexachlorobenzene	U		15.3	431	1	04/18/2025 22:31	WG2494319
Hexachloro-1,3-butadiene	U		14.5	431	1	04/18/2025 22:31	WG2494319
Hexachlorocyclopentadiene	U	C3	22.6	431	1	04/18/2025 22:31	WG2494319
Hexachloroethane	U		16.9	431	1	04/18/2025 22:31	WG2494319
Indeno(1,2,3-cd)pyrene	U		12.2	43.1	1	04/18/2025 22:31	WG2494319
Isophorone	U		13.2	431	1	04/18/2025 22:31	WG2494319
1-Methylnaphthalene	U		5.51	43.1	1	04/18/2025 22:31	WG2494319
2-Methylnaphthalene	U		5.59	43.1	1	04/18/2025 22:31	WG2494319
Naphthalene	U		10.8	43.1	1	04/18/2025 22:31	WG2494319
Nitrobenzene	U		15.0	431	1	04/18/2025 22:31	WG2494319
n-Nitrosodimethylamine	U		63.9	431	1	04/18/2025 22:31	WG2494319
n-Nitrosodiphenylamine	U		32.6	431	1	04/18/2025 22:31	WG2494319
n-Nitrosodi-n-propylamine	U		14.4	431	1	04/18/2025 22:31	WG2494319

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phenanthrene	U		8.55	43.1	1	04/18/2025 22:31	WG2494319
Benzylbutyl phthalate	U		13.4	431	1	04/18/2025 22:31	WG2494319
Bis(2-ethylhexyl)phthalate	U		54.6	431	1	04/18/2025 22:31	WG2494319
Di-n-butyl phthalate	U		14.7	431	1	04/18/2025 22:31	WG2494319
Diethyl phthalate	U		14.2	431	1	04/18/2025 22:31	WG2494319
Dimethyl phthalate	U		91.3	431	1	04/18/2025 22:31	WG2494319
Di-n-octyl phthalate	U		29.1	431	1	04/18/2025 22:31	WG2494319
Pyrene	U		8.38	43.1	1	04/18/2025 22:31	WG2494319
1,2,4-Trichlorobenzene	U		13.4	431	1	04/18/2025 22:31	WG2494319
4-Chloro-3-methylphenol	U		14.0	431	1	04/18/2025 22:31	WG2494319
2-Chlorophenol	U		14.2	431	1	04/18/2025 22:31	WG2494319
2,4-Dichlorophenol	U		12.5	431	1	04/18/2025 22:31	WG2494319
2,4-Dimethylphenol	U	<u>C3</u>	11.2	431	1	04/18/2025 22:31	WG2494319
4,6-Dinitro-2-methylphenol	U		97.6	431	1	04/18/2025 22:31	WG2494319
2,4-Dinitrophenol	U		101	431	1	04/18/2025 22:31	WG2494319
2-Nitrophenol	U		15.4	431	1	04/18/2025 22:31	WG2494319
4-Nitrophenol	U		13.4	431	1	04/18/2025 22:31	WG2494319
Pentachlorophenol	U		11.6	431	1	04/18/2025 22:31	WG2494319
Phenol	U		17.3	431	1	04/18/2025 22:31	WG2494319
2,4,6-Trichlorophenol	U		13.8	431	1	04/18/2025 22:31	WG2494319
(S) 2-Fluorophenol	43.9			12.0-120		04/18/2025 22:31	WG2494319
(S) Phenol-d5	37.7			10.0-120		04/18/2025 22:31	WG2494319
(S) Nitrobenzene-d5	29.0			10.0-122		04/18/2025 22:31	WG2494319
(S) 2-Fluorobiphenyl	35.5			15.0-120		04/18/2025 22:31	WG2494319
(S) 2,4,6-Tribromophenol	36.4			10.0-127		04/18/2025 22:31	WG2494319
(S) p-Terphenyl-d14	38.0			10.0-120		04/18/2025 22:31	WG2494319

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.5		1	04/18/2025 12:28	WG2494222

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Hexavalent Chromium	U	J6	465	1230	1	04/19/2025 09:51	WG2494358

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Mercury	39.4	J	25.3	49.1	1	04/18/2025 14:58	WG2494327

Metals (ICP) by Method 6010D

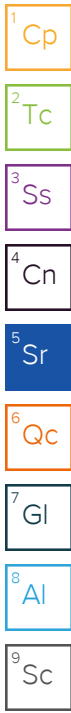
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Aluminum	5740000		7460	24500	1	04/18/2025 15:34	WG2494333
Antimony	U	J6	848	2450	1	04/18/2025 15:34	WG2494333
Arsenic	3670		1030	2450	1	04/18/2025 15:34	WG2494333
Barium	89800		104	613	1	04/18/2025 15:34	WG2494333
Beryllium	594		58.5	245	1	04/18/2025 15:34	WG2494333
Cadmium	251	J	80.1	613	1	04/18/2025 15:34	WG2494333
Calcium	8550000	J3 O1 V	23300	123000	1	04/18/2025 15:34	WG2494333
Chromium	6950		263	1230	1	04/18/2025 15:34	WG2494333
Cobalt	4180		217	1230	1	04/18/2025 15:34	WG2494333
Copper	11300		438	2450	1	04/18/2025 15:34	WG2494333
Iron	10300000	O1 V	2750	12300	1	04/18/2025 15:34	WG2494333
Lead	12400		400	613	1	04/18/2025 15:34	WG2494333
Magnesium	2820000		24400	123000	1	04/18/2025 15:34	WG2494333
Manganese	135000	J3 J5	212	1230	1	04/18/2025 15:34	WG2494333
Nickel	8510		245	2450	1	04/18/2025 15:34	WG2494333
Potassium	1570000		25600	123000	1	04/18/2025 15:34	WG2494333
Selenium	U		1310	2450	1	04/18/2025 15:34	WG2494333
Silver	U		156	1230	1	04/18/2025 15:34	WG2494333
Sodium	175000		50500	123000	1	04/18/2025 15:34	WG2494333
Thallium	U		636	2450	1	04/18/2025 15:34	WG2494333
Vanadium	15000		470	2450	1	04/18/2025 15:34	WG2494333
Zinc	51500		1190	6130	1	04/18/2025 15:34	WG2494333

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
TPH (GC/FID) Low Fraction	43.7	B J J3	26.6	123	1	04/18/2025 15:38	WG2494347
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	97.8			77.0-120		04/18/2025 15:38	WG2494347

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Acetone	U		53.1	72.7	1	04/18/2025 14:40	WG2494402
Acrylonitrile	U		5.25	18.2	1	04/18/2025 14:40	WG2494402
Benzene	U		0.679	1.45	1	04/18/2025 14:40	WG2494402
Bromobenzene	U		1.31	18.2	1	04/18/2025 14:40	WG2494402
Bromodichloromethane	U		1.05	3.64	1	04/18/2025 14:40	WG2494402
Bromoform	U		1.70	36.4	1	04/18/2025 14:40	WG2494402



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
Bromomethane	U		2.87	18.2	1	04/18/2025 14:40	WG2494402
n-Butylbenzene	U		7.64	18.2	1	04/18/2025 14:40	WG2494402
sec-Butylbenzene	U		4.19	18.2	1	04/18/2025 14:40	WG2494402
tert-Butylbenzene	U		2.84	7.27	1	04/18/2025 14:40	WG2494402
Carbon tetrachloride	U		1.31	7.27	1	04/18/2025 14:40	WG2494402
Chlorobenzene	U		0.305	3.64	1	04/18/2025 14:40	WG2494402
Chlorodibromomethane	U		0.890	3.64	1	04/18/2025 14:40	WG2494402
Chloroethane	U	<u>J3</u>	2.47	7.27	1	04/18/2025 14:40	WG2494402
Chloroform	U		1.50	3.64	1	04/18/2025 14:40	WG2494402
Chloromethane	U		6.33	18.2	1	04/18/2025 14:40	WG2494402
2-Chlorotoluene	U		1.26	3.64	1	04/18/2025 14:40	WG2494402
4-Chlorotoluene	U		0.654	7.27	1	04/18/2025 14:40	WG2494402
1,2-Dibromo-3-Chloropropane	U		5.67	36.4	1	04/18/2025 14:40	WG2494402
1,2-Dibromoethane	U		0.942	3.64	1	04/18/2025 14:40	WG2494402
Dibromomethane	U		1.09	7.27	1	04/18/2025 14:40	WG2494402
1,2-Dichlorobenzene	U		0.618	7.27	1	04/18/2025 14:40	WG2494402
1,3-Dichlorobenzene	U		0.873	7.27	1	04/18/2025 14:40	WG2494402
1,4-Dichlorobenzene	U		1.02	7.27	1	04/18/2025 14:40	WG2494402
Dichlorodifluoromethane	U		2.34	7.27	1	04/18/2025 14:40	WG2494402
1,1-Dichloroethane	U		0.714	3.64	1	04/18/2025 14:40	WG2494402
1,2-Dichloroethane	U		0.944	3.64	1	04/18/2025 14:40	WG2494402
1,1-Dichloroethene	U		0.881	3.64	1	04/18/2025 14:40	WG2494402
cis-1,2-Dichloroethene	U		1.07	3.64	1	04/18/2025 14:40	WG2494402
trans-1,2-Dichloroethene	U		1.51	7.27	1	04/18/2025 14:40	WG2494402
1,2-Dichloropropane	U		2.07	7.27	1	04/18/2025 14:40	WG2494402
1,1-Dichloropropene	U		1.18	3.64	1	04/18/2025 14:40	WG2494402
1,3-Dichloropropane	U		0.729	7.27	1	04/18/2025 14:40	WG2494402
cis-1,3-Dichloropropene	U		1.10	3.64	1	04/18/2025 14:40	WG2494402
trans-1,3-Dichloropropene	U		1.66	7.27	1	04/18/2025 14:40	WG2494402
2,2-Dichloropropane	U		2.01	3.64	1	04/18/2025 14:40	WG2494402
Di-isopropyl ether	U		0.596	1.45	1	04/18/2025 14:40	WG2494402
Ethylbenzene	U		1.07	3.64	1	04/18/2025 14:40	WG2494402
Hexachloro-1,3-butadiene	U		8.73	36.4	1	04/18/2025 14:40	WG2494402
Isopropylbenzene	U		0.618	3.64	1	04/18/2025 14:40	WG2494402
p-Isopropyltoluene	U		3.71	7.27	1	04/18/2025 14:40	WG2494402
2-Butanone (MEK)	U		92.4	145	1	04/18/2025 14:40	WG2494402
Methylene Chloride	U		9.66	36.4	1	04/18/2025 14:40	WG2494402
4-Methyl-2-pentanone (MIBK)	U		3.32	36.4	1	04/18/2025 14:40	WG2494402
Methyl tert-butyl ether	U		0.509	1.45	1	04/18/2025 14:40	WG2494402
Naphthalene	U		7.10	18.2	1	04/18/2025 14:40	WG2494402
n-Propylbenzene	U		1.38	7.27	1	04/18/2025 14:40	WG2494402
Styrene	U		0.333	18.2	1	04/18/2025 14:40	WG2494402
1,1,1,2-Tetrachloroethane	U		1.38	3.64	1	04/18/2025 14:40	WG2494402
1,1,2,2-Tetrachloroethane	U		1.01	3.64	1	04/18/2025 14:40	WG2494402
1,1,2-Trichlorotrifluoroethane	U		1.10	3.64	1	04/18/2025 14:40	WG2494402
Tetrachloroethene	U		1.30	3.64	1	04/18/2025 14:40	WG2494402
Toluene	U		1.89	7.27	1	04/18/2025 14:40	WG2494402
1,2,3-Trichlorobenzene	U		10.7	18.2	1	04/18/2025 14:40	WG2494402
1,2,4-Trichlorobenzene	U		6.40	18.2	1	04/18/2025 14:40	WG2494402
1,1,1-Trichloroethane	U		1.34	3.64	1	04/18/2025 14:40	WG2494402
1,1,2-Trichloroethane	U		0.868	3.64	1	04/18/2025 14:40	WG2494402
Trichloroethene	U		0.849	1.45	1	04/18/2025 14:40	WG2494402
Trichlorofluoromethane	U	<u>J3</u>	1.20	3.64	1	04/18/2025 14:40	WG2494402
1,2,3-Trichloropropane	U		2.36	18.2	1	04/18/2025 14:40	WG2494402
1,2,4-Trimethylbenzene	U		2.30	7.27	1	04/18/2025 14:40	WG2494402
1,2,3-Trimethylbenzene	U		2.30	7.27	1	04/18/2025 14:40	WG2494402

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
1,3,5-Trimethylbenzene	U		2.91	7.27	1	04/18/2025 14:40	WG2494402
Vinyl chloride	U		1.69	3.64	1	04/18/2025 14:40	WG2494402
Xylenes, Total	U		1.28	9.45	1	04/18/2025 14:40	WG2494402
(S) Toluene-d8	106			75.0-131		04/18/2025 14:40	WG2494402
(S) 4-Bromofluorobenzene	99.1			67.0-138		04/18/2025 14:40	WG2494402
(S) 1,2-Dichloroethane-d4	84.9			70.0-130		04/18/2025 14:40	WG2494402

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	3040	J	1980	4910	1	04/18/2025 15:48	WG2494321
C28-C36 Motor Oil Range	8330	B	336	4910	1	04/18/2025 15:48	WG2494321
(S) o-Terphenyl	47.3			18.0-148		04/18/2025 15:48	WG2494321

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
Acenaphthene	U		6.61	40.9	1	04/18/2025 23:55	WG2494319
Acenaphthylene	U		5.75	40.9	1	04/18/2025 23:55	WG2494319
Anthracene	16.3	J	7.28	40.9	1	04/18/2025 23:55	WG2494319
Benzidine	U	C7	76.8	2050	1	04/18/2025 23:55	WG2494319
Benzo(a)anthracene	14.7	J	7.20	40.9	1	04/18/2025 23:55	WG2494319
Benzo(b)fluoranthene	59.4		7.62	40.9	1	04/18/2025 23:55	WG2494319
Benzo(k)fluoranthene	17.5	J	7.26	40.9	1	04/18/2025 23:55	WG2494319
Benzo(g,h,i)perylene	65.5		7.47	40.9	1	04/18/2025 23:55	WG2494319
Benzo(a)pyrene	21.8	J	7.59	40.9	1	04/18/2025 23:55	WG2494319
Bis(2-chloroethoxy)methane	U		12.3	409	1	04/18/2025 23:55	WG2494319
Bis(2-chloroethyl)ether	U		13.5	409	1	04/18/2025 23:55	WG2494319
2,2-Oxybis(1-Chloropropane)	U		17.7	409	1	04/18/2025 23:55	WG2494319
4-Bromophenyl-phenylether	U		14.4	409	1	04/18/2025 23:55	WG2494319
2-Chloronaphthalene	U		7.18	40.9	1	04/18/2025 23:55	WG2494319
4-Chlorophenyl-phenylether	U		14.2	409	1	04/18/2025 23:55	WG2494319
Chrysene	22.3	J	8.12	40.9	1	04/18/2025 23:55	WG2494319
Dibenz(a,h)anthracene	U		11.3	40.9	1	04/18/2025 23:55	WG2494319
1,2-Dichlorobenzene	U		12.1	409	1	04/18/2025 23:55	WG2494319
1,3-Dichlorobenzene	U		12.4	409	1	04/18/2025 23:55	WG2494319
1,4-Dichlorobenzene	U		12.2	409	1	04/18/2025 23:55	WG2494319
3,3-Dichlorobenzidine	U		15.1	409	1	04/18/2025 23:55	WG2494319
2,4-Dinitrotoluene	U		11.7	409	1	04/18/2025 23:55	WG2494319
2,6-Dinitrotoluene	U		13.4	409	1	04/18/2025 23:55	WG2494319
Fluoranthene	40.1	J	7.37	40.9	1	04/18/2025 23:55	WG2494319
Fluorene	U		6.65	40.9	1	04/18/2025 23:55	WG2494319
Hexachlorobenzene	U		14.5	409	1	04/18/2025 23:55	WG2494319
Hexachloro-1,3-butadiene	U		13.7	409	1	04/18/2025 23:55	WG2494319
Hexachlorocyclopentadiene	U	C3 J3 J6	21.5	409	1	04/18/2025 23:55	WG2494319
Hexachloroethane	U		16.1	409	1	04/18/2025 23:55	WG2494319
Indeno(1,2,3-cd)pyrene	59.6		11.5	40.9	1	04/19/2025 01:43	WG2494319
Isophorone	U		12.5	409	1	04/18/2025 23:55	WG2494319
1-Methylnaphthalene	U		5.23	40.9	1	04/18/2025 23:55	WG2494319
2-Methylnaphthalene	6.80	J	5.30	40.9	1	04/18/2025 23:55	WG2494319
Naphthalene	20.0	J	10.3	40.9	1	04/18/2025 23:55	WG2494319
Nitrobenzene	U		14.2	409	1	04/18/2025 23:55	WG2494319
n-Nitrosodimethylamine	U		60.6	409	1	04/18/2025 23:55	WG2494319
n-Nitrosodiphenylamine	U		30.9	409	1	04/18/2025 23:55	WG2494319
n-Nitrosodi-n-propylamine	U		13.6	409	1	04/18/2025 23:55	WG2494319

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phenanthrene	36.9	J	8.11	40.9	1	04/18/2025 23:55	WG2494319
Benzylbutyl phthalate	U		12.8	409	1	04/18/2025 23:55	WG2494319
Bis(2-ethylhexyl)phthalate	U		51.8	409	1	04/18/2025 23:55	WG2494319
Di-n-butyl phthalate	U		14.0	409	1	04/18/2025 23:55	WG2494319
Diethyl phthalate	U		13.5	409	1	04/18/2025 23:55	WG2494319
Dimethyl phthalate	U		86.6	409	1	04/18/2025 23:55	WG2494319
Di-n-octyl phthalate	U		27.6	409	1	04/18/2025 23:55	WG2494319
Pyrene	34.8	J	7.95	40.9	1	04/18/2025 23:55	WG2494319
1,2,4-Trichlorobenzene	U		12.8	409	1	04/18/2025 23:55	WG2494319
4-Chloro-3-methylphenol	U		13.2	409	1	04/18/2025 23:55	WG2494319
2-Chlorophenol	U		13.5	409	1	04/18/2025 23:55	WG2494319
2,4-Dichlorophenol	U		11.9	409	1	04/18/2025 23:55	WG2494319
2,4-Dimethylphenol	U	C3	10.7	409	1	04/18/2025 23:55	WG2494319
4,6-Dinitro-2-methylphenol	U		92.6	409	1	04/18/2025 23:55	WG2494319
2,4-Dinitrophenol	U		95.6	409	1	04/18/2025 23:55	WG2494319
2-Nitrophenol	U		14.6	409	1	04/18/2025 23:55	WG2494319
4-Nitrophenol	U		12.8	409	1	04/18/2025 23:55	WG2494319
Pentachlorophenol	U		11.0	409	1	04/18/2025 23:55	WG2494319
Phenol	U		16.4	409	1	04/18/2025 23:55	WG2494319
2,4,6-Trichlorophenol	U		13.1	409	1	04/18/2025 23:55	WG2494319
(S) 2-Fluorophenol	43.8			12.0-120		04/18/2025 23:55	WG2494319
(S) 2-Fluorophenol	46.0			12.0-120		04/19/2025 01:43	WG2494319
(S) Phenol-d5	38.6			10.0-120		04/18/2025 23:55	WG2494319
(S) Phenol-d5	7.34	J2		10.0-120		04/19/2025 01:43	WG2494319
(S) Nitrobenzene-d5	31.0			10.0-122		04/18/2025 23:55	WG2494319
(S) Nitrobenzene-d5	40.4			10.0-122		04/19/2025 01:43	WG2494319
(S) 2-Fluorobiphenyl	40.1			15.0-120		04/19/2025 01:43	WG2494319
(S) 2-Fluorobiphenyl	38.3			15.0-120		04/18/2025 23:55	WG2494319
(S) 2,4,6-Tribromophenol	42.4			10.0-127		04/19/2025 01:43	WG2494319
(S) 2,4,6-Tribromophenol	42.6			10.0-127		04/18/2025 23:55	WG2494319
(S) p-Terphenyl-d14	45.3			10.0-120		04/19/2025 01:43	WG2494319
(S) p-Terphenyl-d14	42.9			10.0-120		04/18/2025 23:55	WG2494319

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.6		1	04/18/2025 12:28	WG2494222

Wet Chemistry by Method 7199

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Hexavalent Chromium	U		465	1230	1	04/19/2025 10:54	WG2494358

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Mercury	U		25.3	49.0	1	04/18/2025 15:22	WG2494327

Metals (ICP) by Method 6010D

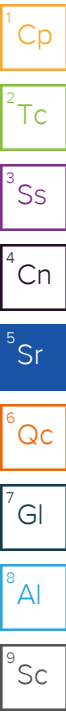
Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Aluminum	5670000		7450	24500	1	04/18/2025 15:56	WG2494333
Antimony	U		847	2450	1	04/18/2025 15:56	WG2494333
Arsenic	5210		1030	2450	1	04/18/2025 15:56	WG2494333
Barium	86700		104	613	1	04/18/2025 15:56	WG2494333
Beryllium	599		58.5	245	1	04/18/2025 15:56	WG2494333
Cadmium	213	J	80.1	613	1	04/18/2025 15:56	WG2494333
Calcium	7430000		23300	123000	1	04/18/2025 15:56	WG2494333
Chromium	6940		262	1230	1	04/18/2025 15:56	WG2494333
Cobalt	4410		217	1230	1	04/18/2025 15:56	WG2494333
Copper	8080		438	2450	1	04/18/2025 15:56	WG2494333
Iron	12300000		2750	12300	1	04/18/2025 15:56	WG2494333
Lead	10400		400	613	1	04/18/2025 15:56	WG2494333
Magnesium	3270000		24400	123000	1	04/18/2025 15:56	WG2494333
Manganese	240000		212	1230	1	04/18/2025 15:56	WG2494333
Nickel	9890		245	2450	1	04/18/2025 15:56	WG2494333
Potassium	1490000		25600	123000	1	04/18/2025 15:56	WG2494333
Selenium	U		1310	2450	1	04/18/2025 15:56	WG2494333
Silver	U		156	1230	1	04/18/2025 15:56	WG2494333
Sodium	224000		50500	123000	1	04/18/2025 15:56	WG2494333
Thallium	U		635	2450	1	04/18/2025 15:56	WG2494333
Vanadium	16100		470	2450	1	04/18/2025 15:56	WG2494333
Zinc	34400		1190	6130	1	04/18/2025 15:56	WG2494333

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
TPH (GC/FID) Low Fraction	30.0	B J	26.6	123	1	04/18/2025 16:01	WG2494347
(S) a,a,a-Trifluorotoluene(FID)	98.1			77.0-120		04/18/2025 16:01	WG2494347

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	ug/kg		ug/kg	ug/kg		date / time	
Acetone	U		53.1	72.7	1	04/18/2025 15:01	WG2494402
Acrylonitrile	U		5.25	18.2	1	04/18/2025 15:01	WG2494402
Benzene	U		0.679	1.45	1	04/18/2025 15:01	WG2494402
Bromobenzene	U		1.31	18.2	1	04/18/2025 15:01	WG2494402
Bromodichloromethane	U		1.05	3.63	1	04/18/2025 15:01	WG2494402
Bromoform	U		1.70	36.3	1	04/18/2025 15:01	WG2494402



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
Bromomethane	U		2.86	18.2	1	04/18/2025 15:01	WG2494402
n-Butylbenzene	U		7.63	18.2	1	04/18/2025 15:01	WG2494402
sec-Butylbenzene	U		4.19	18.2	1	04/18/2025 15:01	WG2494402
tert-Butylbenzene	U		2.83	7.27	1	04/18/2025 15:01	WG2494402
Carbon tetrachloride	U		1.31	7.27	1	04/18/2025 15:01	WG2494402
Chlorobenzene	U		0.305	3.63	1	04/18/2025 15:01	WG2494402
Chlorodibromomethane	U		0.889	3.63	1	04/18/2025 15:01	WG2494402
Chloroethane	U		2.47	7.27	1	04/18/2025 15:01	WG2494402
Chloroform	U		1.50	3.63	1	04/18/2025 15:01	WG2494402
Chloromethane	U		6.32	18.2	1	04/18/2025 15:01	WG2494402
2-Chlorotoluene	U		1.26	3.63	1	04/18/2025 15:01	WG2494402
4-Chlorotoluene	U		0.654	7.27	1	04/18/2025 15:01	WG2494402
1,2-Dibromo-3-Chloropropane	U		5.67	36.3	1	04/18/2025 15:01	WG2494402
1,2-Dibromoethane	U		0.942	3.63	1	04/18/2025 15:01	WG2494402
Dibromomethane	U		1.09	7.27	1	04/18/2025 15:01	WG2494402
1,2-Dichlorobenzene	U		0.618	7.27	1	04/18/2025 15:01	WG2494402
1,3-Dichlorobenzene	U		0.872	7.27	1	04/18/2025 15:01	WG2494402
1,4-Dichlorobenzene	U		1.02	7.27	1	04/18/2025 15:01	WG2494402
Dichlorodifluoromethane	U		2.34	7.27	1	04/18/2025 15:01	WG2494402
1,1-Dichloroethane	U		0.714	3.63	1	04/18/2025 15:01	WG2494402
1,2-Dichloroethane	U		0.943	3.63	1	04/18/2025 15:01	WG2494402
1,1-Dichloroethene	U		0.881	3.63	1	04/18/2025 15:01	WG2494402
cis-1,2-Dichloroethene	U		1.07	3.63	1	04/18/2025 15:01	WG2494402
trans-1,2-Dichloroethene	U		1.51	7.27	1	04/18/2025 15:01	WG2494402
1,2-Dichloropropane	U		2.06	7.27	1	04/18/2025 15:01	WG2494402
1,1-Dichloropropene	U		1.18	3.63	1	04/18/2025 15:01	WG2494402
1,3-Dichloropropane	U		0.728	7.27	1	04/18/2025 15:01	WG2494402
cis-1,3-Dichloropropene	U		1.10	3.63	1	04/18/2025 15:01	WG2494402
trans-1,3-Dichloropropene	U		1.66	7.27	1	04/18/2025 15:01	WG2494402
2,2-Dichloropropane	U		2.01	3.63	1	04/18/2025 15:01	WG2494402
Di-isopropyl ether	U		0.596	1.45	1	04/18/2025 15:01	WG2494402
Ethylbenzene	U		1.07	3.63	1	04/18/2025 15:01	WG2494402
Hexachloro-1,3-butadiene	U		8.72	36.3	1	04/18/2025 15:01	WG2494402
Isopropylbenzene	U		0.618	3.63	1	04/18/2025 15:01	WG2494402
p-Isopropyltoluene	U		3.71	7.27	1	04/18/2025 15:01	WG2494402
2-Butanone (MEK)	U		92.3	145	1	04/18/2025 15:01	WG2494402
Methylene Chloride	U		9.65	36.3	1	04/18/2025 15:01	WG2494402
4-Methyl-2-pentanone (MIBK)	U		3.31	36.3	1	04/18/2025 15:01	WG2494402
Methyl tert-butyl ether	U		0.509	1.45	1	04/18/2025 15:01	WG2494402
Naphthalene	U		7.09	18.2	1	04/18/2025 15:01	WG2494402
n-Propylbenzene	U		1.38	7.27	1	04/18/2025 15:01	WG2494402
Styrene	U		0.333	18.2	1	04/18/2025 15:01	WG2494402
1,1,1,2-Tetrachloroethane	U		1.38	3.63	1	04/18/2025 15:01	WG2494402
1,1,2,2-Tetrachloroethane	U		1.01	3.63	1	04/18/2025 15:01	WG2494402
1,1,2-Trichlorotrifluoroethane	U		1.10	3.63	1	04/18/2025 15:01	WG2494402
Tetrachloroethene	U		1.30	3.63	1	04/18/2025 15:01	WG2494402
Toluene	U		1.89	7.27	1	04/18/2025 15:01	WG2494402
1,2,3-Trichlorobenzene	U		10.7	18.2	1	04/18/2025 15:01	WG2494402
1,2,4-Trichlorobenzene	U		6.40	18.2	1	04/18/2025 15:01	WG2494402
1,1,1-Trichloroethane	U		1.34	3.63	1	04/18/2025 15:01	WG2494402
1,1,2-Trichloroethane	U		0.868	3.63	1	04/18/2025 15:01	WG2494402
Trichloroethene	U		0.849	1.45	1	04/18/2025 15:01	WG2494402
Trichlorofluoromethane	U		1.20	3.63	1	04/18/2025 15:01	WG2494402
1,2,3-Trichloropropane	U		2.35	18.2	1	04/18/2025 15:01	WG2494402
1,2,4-Trimethylbenzene	U		2.30	7.27	1	04/18/2025 15:01	WG2494402
1,2,3-Trimethylbenzene	U		2.30	7.27	1	04/18/2025 15:01	WG2494402

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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
1,3,5-Trimethylbenzene	U		2.91	7.27	1	04/18/2025 15:01	WG2494402
Vinyl chloride	U		1.69	3.63	1	04/18/2025 15:01	WG2494402
Xylenes, Total	U		1.28	9.45	1	04/18/2025 15:01	WG2494402
(S) Toluene-d8	104			75.0-131		04/18/2025 15:01	WG2494402
(S) 4-Bromofluorobenzene	98.0			67.0-138		04/18/2025 15:01	WG2494402
(S) 1,2-Dichloroethane-d4	83.7			70.0-130		04/18/2025 15:01	WG2494402

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1970	4900	1	04/18/2025 15:10	WG2494321
C28-C36 Motor Oil Range	2290	B J	336	4900	1	04/18/2025 15:10	WG2494321
(S) o-Terphenyl	63.7			18.0-148		04/18/2025 15:10	WG2494321

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
Acenaphthene	U		6.61	40.8	1	04/19/2025 00:15	WG2494319
Acenaphthylene	U		5.75	40.8	1	04/19/2025 00:15	WG2494319
Anthracene	U		7.27	40.8	1	04/19/2025 00:15	WG2494319
Benzidine	U		76.8	2050	1	04/19/2025 00:15	WG2494319
Benzo(a)anthracene	U		7.20	40.8	1	04/19/2025 00:15	WG2494319
Benzo(b)fluoranthene	U		7.61	40.8	1	04/19/2025 00:15	WG2494319
Benzo(k)fluoranthene	U		7.26	40.8	1	04/19/2025 00:15	WG2494319
Benzo(g,h,i)perylene	U		7.47	40.8	1	04/19/2025 00:15	WG2494319
Benzo(a)pyrene	U		7.59	40.8	1	04/19/2025 00:15	WG2494319
Bis(2-chloroethoxy)methane	U		12.3	408	1	04/19/2025 00:15	WG2494319
Bis(2-chloroethyl)ether	U		13.5	408	1	04/19/2025 00:15	WG2494319
2,2-Oxybis(1-Chloropropane)	U		17.7	408	1	04/19/2025 00:15	WG2494319
4-Bromophenyl-phenylether	U		14.3	408	1	04/19/2025 00:15	WG2494319
2-Chloronaphthalene	U		7.17	40.8	1	04/19/2025 00:15	WG2494319
4-Chlorophenyl-phenylether	U		14.2	408	1	04/19/2025 00:15	WG2494319
Chrysene	U		8.12	40.8	1	04/19/2025 00:15	WG2494319
Dibenz(a,h)anthracene	U		11.3	40.8	1	04/19/2025 00:15	WG2494319
1,2-Dichlorobenzene	U		12.1	408	1	04/19/2025 00:15	WG2494319
1,3-Dichlorobenzene	U		12.4	408	1	04/19/2025 00:15	WG2494319
1,4-Dichlorobenzene	U		12.2	408	1	04/19/2025 00:15	WG2494319
3,3-Dichlorobenzidine	U		15.1	408	1	04/19/2025 00:15	WG2494319
2,4-Dinitrotoluene	U		11.7	408	1	04/19/2025 00:15	WG2494319
2,6-Dinitrotoluene	U		13.4	408	1	04/19/2025 00:15	WG2494319
Fluoranthene	U		7.37	40.8	1	04/19/2025 00:15	WG2494319
Fluorene	U		6.65	40.8	1	04/19/2025 00:15	WG2494319
Hexachlorobenzene	U		14.5	408	1	04/19/2025 00:15	WG2494319
Hexachloro-1,3-butadiene	U		13.7	408	1	04/19/2025 00:15	WG2494319
Hexachlorocyclopentadiene	U	C3 C7	21.5	408	1	04/19/2025 00:15	WG2494319
Hexachloroethane	U		16.1	408	1	04/19/2025 00:15	WG2494319
Indeno(1,2,3-cd)pyrene	U		11.5	40.8	1	04/19/2025 00:15	WG2494319
Isophorone	U		12.5	408	1	04/19/2025 00:15	WG2494319
1-Methylnaphthalene	U		5.22	40.8	1	04/19/2025 00:15	WG2494319
2-Methylnaphthalene	U		5.30	40.8	1	04/19/2025 00:15	WG2494319
Naphthalene	U		10.3	40.8	1	04/19/2025 00:15	WG2494319
Nitrobenzene	U		14.2	408	1	04/19/2025 00:15	WG2494319
n-Nitrosodimethylamine	U		60.6	408	1	04/19/2025 00:15	WG2494319
n-Nitrosodiphenylamine	U		30.9	408	1	04/19/2025 00:15	WG2494319
n-Nitrosodi-n-propylamine	U		13.6	408	1	04/19/2025 00:15	WG2494319

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result (dry) ug/kg	Qualifier	MDL (dry) ug/kg	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Phenanthrene	U		8.10	40.8	1	04/19/2025 00:15	WG2494319
Benzylbutyl phthalate	U		12.8	408	1	04/19/2025 00:15	WG2494319
Bis(2-ethylhexyl)phthalate	U		51.7	408	1	04/19/2025 00:15	WG2494319
Di-n-butyl phthalate	U		14.0	408	1	04/19/2025 00:15	WG2494319
Diethyl phthalate	U		13.5	408	1	04/19/2025 00:15	WG2494319
Dimethyl phthalate	U		86.6	408	1	04/19/2025 00:15	WG2494319
Di-n-octyl phthalate	U		27.6	408	1	04/19/2025 00:15	WG2494319
Pyrene	U		7.95	40.8	1	04/19/2025 00:15	WG2494319
1,2,4-Trichlorobenzene	U		12.8	408	1	04/19/2025 00:15	WG2494319
4-Chloro-3-methylphenol	U		13.2	408	1	04/19/2025 00:15	WG2494319
2-Chlorophenol	U		13.5	408	1	04/19/2025 00:15	WG2494319
2,4-Dichlorophenol	U		11.9	408	1	04/19/2025 00:15	WG2494319
2,4-Dimethylphenol	U	<u>C3</u>	10.7	408	1	04/19/2025 00:15	WG2494319
4,6-Dinitro-2-methylphenol	U		92.6	408	1	04/19/2025 00:15	WG2494319
2,4-Dinitrophenol	U		95.5	408	1	04/19/2025 00:15	WG2494319
2-Nitrophenol	U		14.6	408	1	04/19/2025 00:15	WG2494319
4-Nitrophenol	U		12.8	408	1	04/19/2025 00:15	WG2494319
Pentachlorophenol	U		11.0	408	1	04/19/2025 00:15	WG2494319
Phenol	U		16.4	408	1	04/19/2025 00:15	WG2494319
2,4,6-Trichlorophenol	U		13.1	408	1	04/19/2025 00:15	WG2494319
(S) 2-Fluorophenol	55.5			12.0-120		04/19/2025 00:15	WG2494319
(S) Phenol-d5	50.2			10.0-120		04/19/2025 00:15	WG2494319
(S) Nitrobenzene-d5	47.7			10.0-122		04/19/2025 00:15	WG2494319
(S) 2-Fluorobiphenyl	46.8			15.0-120		04/19/2025 00:15	WG2494319
(S) 2,4,6-Tribromophenol	41.5			10.0-127		04/19/2025 00:15	WG2494319
(S) p-Terphenyl-d14	47.1			10.0-120		04/19/2025 00:15	WG2494319

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	04/18/2025 13:06	WG2494271
Acrolein	U		2.54	50.0	1	04/18/2025 13:06	WG2494271
Acrylonitrile	U		0.671	10.0	1	04/18/2025 13:06	WG2494271
Benzene	U	C3	0.0941	1.00	1	04/18/2025 13:06	WG2494271
Bromobenzene	U		0.118	1.00	1	04/18/2025 13:06	WG2494271
Bromodichloromethane	U		0.136	1.00	1	04/18/2025 13:06	WG2494271
Bromoform	U		0.129	1.00	1	04/18/2025 13:06	WG2494271
Bromomethane	U		0.605	5.00	1	04/18/2025 13:06	WG2494271
n-Butylbenzene	U		0.157	1.00	1	04/18/2025 13:06	WG2494271
sec-Butylbenzene	U		0.125	1.00	1	04/18/2025 13:06	WG2494271
tert-Butylbenzene	U		0.127	1.00	1	04/18/2025 13:06	WG2494271
Carbon tetrachloride	U		0.128	1.00	1	04/18/2025 13:06	WG2494271
Chlorobenzene	U		0.116	1.00	1	04/18/2025 13:06	WG2494271
Chlorodibromomethane	U		0.140	1.00	1	04/18/2025 13:06	WG2494271
Chloroethane	U		0.192	5.00	1	04/18/2025 13:06	WG2494271
Chloroform	U	C3	0.111	5.00	1	04/18/2025 13:06	WG2494271
Chloromethane	U	C3	0.960	2.50	1	04/18/2025 13:06	WG2494271
2-Chlorotoluene	U		0.106	1.00	1	04/18/2025 13:06	WG2494271
4-Chlorotoluene	U		0.114	1.00	1	04/18/2025 13:06	WG2494271
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	04/18/2025 13:06	WG2494271
1,2-Dibromoethane	U		0.126	1.00	1	04/18/2025 13:06	WG2494271
Dibromomethane	U		0.122	1.00	1	04/18/2025 13:06	WG2494271
1,2-Dichlorobenzene	U		0.107	1.00	1	04/18/2025 13:06	WG2494271
1,3-Dichlorobenzene	U		0.110	1.00	1	04/18/2025 13:06	WG2494271
1,4-Dichlorobenzene	U		0.120	1.00	1	04/18/2025 13:06	WG2494271
Dichlorodifluoromethane	U	C3	0.374	5.00	1	04/18/2025 13:06	WG2494271
1,1-Dichloroethane	U		0.100	1.00	1	04/18/2025 13:06	WG2494271
1,2-Dichloroethane	U	C3	0.0819	1.00	1	04/18/2025 13:06	WG2494271
1,1-Dichloroethene	U		0.188	1.00	1	04/18/2025 13:06	WG2494271
cis-1,2-Dichloroethene	U		0.126	1.00	1	04/18/2025 13:06	WG2494271
trans-1,2-Dichloroethene	U		0.149	1.00	1	04/18/2025 13:06	WG2494271
1,2-Dichloropropane	U		0.149	1.00	1	04/18/2025 13:06	WG2494271
1,1-Dichloropropene	U		0.142	1.00	1	04/18/2025 13:06	WG2494271
1,3-Dichloropropane	U		0.110	1.00	1	04/18/2025 13:06	WG2494271
cis-1,3-Dichloropropene	U	J4	0.111	1.00	1	04/18/2025 13:06	WG2494271
trans-1,3-Dichloropropene	U		0.118	1.00	1	04/18/2025 13:06	WG2494271
2,2-Dichloropropane	U		0.161	1.00	1	04/18/2025 13:06	WG2494271
Di-isopropyl ether	U	C3	0.105	1.00	1	04/18/2025 13:06	WG2494271
Ethylbenzene	U		0.137	1.00	1	04/18/2025 13:06	WG2494271
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/18/2025 13:06	WG2494271
Isopropylbenzene	U		0.105	1.00	1	04/18/2025 13:06	WG2494271
p-Isopropyltoluene	U		0.120	1.00	1	04/18/2025 13:06	WG2494271
2-Butanone (MEK)	U		1.19	10.0	1	04/18/2025 13:06	WG2494271
Methylene Chloride	U		0.430	5.00	1	04/18/2025 13:06	WG2494271
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	04/18/2025 13:06	WG2494271
Methyl tert-butyl ether	U		0.101	1.00	1	04/18/2025 13:06	WG2494271
Naphthalene	U		1.00	5.00	1	04/18/2025 13:06	WG2494271
n-Propylbenzene	U		0.0993	1.00	1	04/18/2025 13:06	WG2494271
Styrene	U		0.118	1.00	1	04/18/2025 13:06	WG2494271
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	04/18/2025 13:06	WG2494271
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	04/18/2025 13:06	WG2494271
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	04/18/2025 13:06	WG2494271
Tetrachloroethene	U		0.300	1.00	1	04/18/2025 13:06	WG2494271
Toluene	U		0.278	1.00	1	04/18/2025 13:06	WG2494271
1,2,3-Trichlorobenzene	U		0.230	1.00	1	04/18/2025 13:06	WG2494271
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/18/2025 13:06	WG2494271

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.149	1.00	1	04/18/2025 13:06	WG2494271
1,1,2-Trichloroethane	U		0.158	1.00	1	04/18/2025 13:06	WG2494271
Trichloroethene	U		0.190	1.00	1	04/18/2025 13:06	WG2494271
Trichlorofluoromethane	U		0.160	5.00	1	04/18/2025 13:06	WG2494271
1,2,3-Trichloropropane	U		0.237	2.50	1	04/18/2025 13:06	WG2494271
1,2,4-Trimethylbenzene	U		0.322	1.00	1	04/18/2025 13:06	WG2494271
1,2,3-Trimethylbenzene	U		0.104	1.00	1	04/18/2025 13:06	WG2494271
1,3,5-Trimethylbenzene	U		0.104	1.00	1	04/18/2025 13:06	WG2494271
Vinyl chloride	U		0.234	1.00	1	04/18/2025 13:06	WG2494271
Xylenes, Total	U		0.174	3.00	1	04/18/2025 13:06	WG2494271
(S) Toluene-d8	110			80.0-120		04/18/2025 13:06	WG2494271
(S) 4-Bromofluorobenzene	98.4			77.0-126		04/18/2025 13:06	WG2494271
(S) 1,2-Dichloroethane-d4	93.9			70.0-130		04/18/2025 13:06	WG2494271

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

Method Blank (MB)

(MB) R4201955-1 04/18/25 12:28

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

1 Cp

2 Tc

3 Ss

L1849446-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1849446-06 04/18/25 12:28 • (DUP) R4201955-3 04/18/25 12:28

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	81.5	80.7	1	1.04		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4201955-2 04/18/25 12:28

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

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4202011-1 04/19/25 08:39

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		379	1000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1849446-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1849446-02 04/19/25 09:06 • (DUP) R4202011-3 04/19/25 09:15

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	U	U	1	0.000		20

L1849447-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1849447-04 04/19/25 11:30 • (DUP) R4202011-8 04/19/25 11:39

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4202011-2 04/19/25 08:48

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	10000	11200	112	80.0-120	

L1849446-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849446-06 04/19/25 09:51 • (MS) R4202011-4 04/19/25 10:00 • (MSD) R4202011-5 04/19/25 10:27

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
Hexavalent Chromium	24500	U	19200	17200	78.3	69.9	1	75.0-125		J6	11.4	20

L1849446-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1849446-06 04/19/25 09:51 • (MS) R4202011-6 04/19/25 10:36

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Hexavalent Chromium	783000	U	882000	113	50	75.0-125	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4201762-1 04/18/25 14:47

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	U		20.6	40.0

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4201762-2 04/18/25 14:50

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury	500	510	102	80.0-120	

4 Cn

5 Sr

L1849446-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849446-06 04/18/25 14:58 • (MS) R4201762-4 04/18/25 15:03 • (MSD) R4201762-5 04/18/25 15:06

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
Mercury	613	39.4	781	724	121	112	1	75.0-125			7.56	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4201776-1 04/18/25 15:31

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Aluminum	U		6080	20000
Antimony	U		691	2000
Arsenic	U		837	2000
Barium	U		85.0	500
Beryllium	U		47.7	200
Cadmium	U		65.3	500
Calcium	U		19000	100000
Chromium	U		214	1000
Cobalt	U		177	1000
Copper	U		357	2000
Iron	U		2240	10000
Lead	U		326	500
Magnesium	U		19900	100000
Manganese	U		173	1000
Nickel	U		200	2000
Potassium	U		20900	100000
Selenium	U		1070	2000
Silver	U		127	1000
Sodium	U		41200	100000
Thallium	U		518	2000
Vanadium	U		383	2000
Zinc	U		974	5000

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4201776-2 04/18/25 15:32

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000000	1020000	102	80.0-120	
Antimony	100000	98800	98.8	80.0-120	
Arsenic	100000	98300	98.3	80.0-120	
Barium	100000	104000	104	80.0-120	
Beryllium	100000	102000	102	80.0-120	
Cadmium	100000	97400	97.4	80.0-120	
Calcium	1000000	1020000	102	80.0-120	
Chromium	100000	103000	103	80.0-120	
Cobalt	100000	98200	98.2	80.0-120	
Copper	100000	103000	103	80.0-120	
Iron	1000000	1020000	102	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4201776-2 04/18/25 15:32

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100000	101000	101	80.0-120	
Magnesium	1000000	1030000	103	80.0-120	
Manganese	100000	106000	106	80.0-120	
Nickel	100000	97400	97.4	80.0-120	
Potassium	1000000	990000	99.0	80.0-120	
Selenium	100000	97200	97.2	80.0-120	
Silver	20000	19000	95.0	80.0-120	
Sodium	1000000	1180000	118	80.0-120	
Thallium	100000	104000	104	80.0-120	
Vanadium	100000	99700	99.7	80.0-120	
Zinc	100000	99300	99.3	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1849446-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849446-06 04/18/25 15:34 • (MS) R4201776-5 04/18/25 15:40 • (MSD) R4201776-6 04/18/25 15:41

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	1230000	5740000	6780000	6840000	85.0	89.6	1	75.0-125			0.834	20
Antimony	123000	U	99100	85100	80.8	69.4	1	75.0-125		J6	15.2	20
Arsenic	123000	3670	123000	112000	97.4	88.2	1	75.0-125			9.67	20
Barium	123000	89800	208000	210000	96.0	97.9	1	75.0-125			1.09	20
Beryllium	123000	594	124000	113000	100	91.9	1	75.0-125			8.89	20
Cadmium	123000	251	118000	106000	96.0	86.5	1	75.0-125			10.4	20
Calcium	1230000	8550000	7990000	11600000	0.000	245	1	75.0-125	V	J3 V	36.6	20
Chromium	123000	6950	131000	118000	101	90.5	1	75.0-125			10.2	20
Cobalt	123000	4180	125000	116000	98.9	91.2	1	75.0-125			7.75	20
Copper	123000	11300	137000	126000	102	93.6	1	75.0-125			8.24	20
Iron	1230000	10300000	11000000	10200000	53.6	0.000	1	75.0-125	V	V	7.48	20
Lead	123000	12400	139000	128000	103	94.6	1	75.0-125			8.03	20
Magnesium	1230000	2820000	3850000	4230000	84.1	115	1	75.0-125			9.34	20
Manganese	123000	135000	242000	359000	86.6	182	1	75.0-125		J3 J5	39.1	20
Nickel	123000	8510	127000	118000	96.7	89.3	1	75.0-125			7.47	20
Potassium	1230000	1570000	2620000	2550000	86.0	80.3	1	75.0-125			2.70	20
Selenium	123000	U	115000	101000	93.4	82.4	1	75.0-125			12.6	20
Silver	24500	U	23500	21400	95.8	87.1	1	75.0-125			9.53	20
Sodium	1230000	175000	1470000	1330000	106	94.3	1	75.0-125			9.91	20
Thallium	123000	U	126000	115000	103	93.7	1	75.0-125			9.01	20
Vanadium	123000	15000	133000	123000	96.4	87.8	1	75.0-125			8.23	20
Zinc	123000	51500	163000	148000	91.0	78.6	1	75.0-125			9.77	20

Method Blank (MB)

(MB) R4201786-2 04/18/25 12:27

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
TPH (GC/FID) Low Fraction	26.2	<u>J</u>	21.7	100
(S) a,a,a-Trifluorotoluene(FID)	99.1			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4201786-1 04/18/25 11:32

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5000	4880	97.6	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			110	77.0-120	

L1849446-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849446-06 04/18/25 15:38 • (MS) R4201786-3 04/18/25 17:57 • (MSD) R4201786-4 04/18/25 18:21

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 %
TPH (GC/FID) Low Fraction	6070	43.7	1730	2910	27.8	47.2	1	10.0-151		<u>J3</u>	50.8	28
(S) a,a,a-Trifluorotoluene(FID)					90.7	101		77.0-120				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4201769-3 04/18/25 12:24

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4201769-3 04/18/25 12:24

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	111			80.0-120
(S) 4-Bromofluorobenzene	100			77.0-126
(S) 1,2-Dichloroethane-d4	92.8			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4201769-1 04/18/25 11:20 • (LCSD) R4201769-2 04/18/25 11:41

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	21.1	20.0	84.4	80.0	19.0-160	↓	↓	5.35	27
Acrolein	25.0	23.2	22.4	92.8	89.6	10.0-160	↓	↓	3.51	26
Acrylonitrile	25.0	22.5	22.6	90.0	90.4	55.0-149			0.443	20
Benzene	5.00	3.94	3.75	78.8	75.0	70.0-123			4.94	20

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

(LCS) R4201769-1 04/18/25 11:20 • (LCSD) R4201769-2 04/18/25 11:41

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	4.28	4.14	85.6	82.8	73.0-121			3.33	20
Bromodichloromethane	5.00	4.23	4.13	84.6	82.6	75.0-120			2.39	20
Bromoform	5.00	4.31	4.44	86.2	88.8	68.0-132			2.97	20
Bromomethane	5.00	5.91	5.31	118	106	10.0-160			10.7	25
n-Butylbenzene	5.00	4.64	4.52	92.8	90.4	73.0-125			2.62	20
sec-Butylbenzene	5.00	4.69	4.53	93.8	90.6	75.0-125			3.47	20
tert-Butylbenzene	5.00	4.74	4.56	94.8	91.2	76.0-124			3.87	20
Carbon tetrachloride	5.00	4.06	3.91	81.2	78.2	68.0-126			3.76	20
Chlorobenzene	5.00	4.42	4.30	88.4	86.0	80.0-121			2.75	20
Chlorodibromomethane	5.00	4.54	4.51	90.8	90.2	77.0-125			0.663	20
Chloroethane	5.00	4.22	3.86	84.4	77.2	47.0-150	U	U	8.91	20
Chloroform	5.00	3.87	3.68	77.4	73.6	73.0-120	U	U	5.03	20
Chloromethane	5.00	3.58	3.36	71.6	67.2	41.0-142			6.34	20
2-Chlorotoluene	5.00	4.29	4.28	85.8	85.6	76.0-123			0.233	20
4-Chlorotoluene	5.00	4.53	4.41	90.6	88.2	75.0-122			2.68	20
1,2-Dibromo-3-Chloropropane	5.00	4.70	4.88	94.0	97.6	58.0-134	U	U	3.76	20
1,2-Dibromoethane	5.00	4.68	4.64	93.6	92.8	80.0-122			0.858	20
Dibromomethane	5.00	4.16	4.11	83.2	82.2	80.0-120			1.21	20
1,2-Dichlorobenzene	5.00	4.58	4.59	91.6	91.8	79.0-121			0.218	20
1,3-Dichlorobenzene	5.00	4.68	4.61	93.6	92.2	79.0-120			1.51	20
1,4-Dichlorobenzene	5.00	4.49	4.50	89.8	90.0	79.0-120			0.222	20
Dichlorodifluoromethane	5.00	3.81	3.43	76.2	68.6	51.0-149	U	U	10.5	20
1,1-Dichloroethane	5.00	4.19	4.05	83.8	81.0	70.0-126			3.40	20
1,2-Dichloroethane	5.00	3.85	3.83	77.0	76.6	70.0-128			0.521	20
1,1-Dichloroethene	5.00	4.20	3.89	84.0	77.8	71.0-124			7.66	20
cis-1,2-Dichloroethene	5.00	4.11	3.86	82.2	77.2	73.0-120			6.27	20
trans-1,2-Dichloroethene	5.00	4.33	4.04	86.6	80.8	73.0-120			6.93	20
1,2-Dichloropropane	5.00	4.05	4.02	81.0	80.4	77.0-125			0.744	20
1,1-Dichloropropene	5.00	4.10	3.82	82.0	76.4	74.0-126			7.07	20
1,3-Dichloropropane	5.00	4.67	4.60	93.4	92.0	80.0-120			1.51	20
cis-1,3-Dichloropropene	5.00	4.12	3.94	82.4	78.8	80.0-123		J4	4.47	20
trans-1,3-Dichloropropene	5.00	4.53	4.43	90.6	88.6	78.0-124			2.23	20
2,2-Dichloropropane	5.00	4.31	4.08	86.2	81.6	58.0-130			5.48	20
Di-isopropyl ether	5.00	3.98	3.87	79.6	77.4	58.0-138			2.80	20
Ethylbenzene	5.00	4.59	4.36	91.8	87.2	79.0-123			5.14	20
Hexachloro-1,3-butadiene	5.00	5.00	4.56	100	91.2	54.0-138			9.21	20
Isopropylbenzene	5.00	4.54	4.30	90.8	86.0	76.0-127			5.43	20
p-Isopropyltoluene	5.00	4.66	4.52	93.2	90.4	76.0-125			3.05	20
2-Butanone (MEK)	25.0	22.7	21.5	90.8	86.0	44.0-160			5.43	20
Methylene Chloride	5.00	4.07	3.83	81.4	76.6	67.0-120	U	U	6.08	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4201769-1 04/18/25 11:20 • (LCSD) R4201769-2 04/18/25 11:41

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	24.0	23.2	96.0	92.8	68.0-142			3.39	20
Methyl tert-butyl ether	5.00	4.13	4.00	82.6	80.0	68.0-125			3.20	20
Naphthalene	5.00	4.75	4.86	95.0	97.2	54.0-135	J	J	2.29	20
n-Propylbenzene	5.00	4.48	4.31	89.6	86.2	77.0-124			3.87	20
Styrene	5.00	4.51	4.38	90.2	87.6	73.0-130			2.92	20
1,1,1,2-Tetrachloroethane	5.00	4.52	4.34	90.4	86.8	75.0-125			4.06	20
1,1,2,2-Tetrachloroethane	5.00	4.85	4.92	97.0	98.4	65.0-130			1.43	20
1,1,2-Trichlorotrifluoroethane	5.00	4.23	3.85	84.6	77.0	69.0-132			9.41	20
Tetrachloroethene	5.00	4.63	4.45	92.6	89.0	72.0-132			3.96	20
Toluene	5.00	4.23	4.05	84.6	81.0	79.0-120			4.35	20
1,2,3-Trichlorobenzene	5.00	4.93	4.83	98.6	96.6	50.0-138			2.05	20
1,2,4-Trichlorobenzene	5.00	4.76	4.84	95.2	96.8	57.0-137			1.67	20
1,1,1-Trichloroethane	5.00	4.23	4.07	84.6	81.4	73.0-124			3.86	20
1,1,2-Trichloroethane	5.00	4.66	4.48	93.2	89.6	80.0-120			3.94	20
Trichloroethene	5.00	4.19	4.08	83.8	81.6	78.0-124			2.66	20
Trichlorofluoromethane	5.00	4.22	3.91	84.4	78.2	59.0-147	J	J	7.63	20
1,2,3-Trichloropropane	5.00	5.00	5.01	100	100	73.0-130			0.200	20
1,2,4-Trimethylbenzene	5.00	4.57	4.46	91.4	89.2	76.0-121			2.44	20
1,2,3-Trimethylbenzene	5.00	4.43	4.30	88.6	86.0	77.0-120			2.98	20
1,3,5-Trimethylbenzene	5.00	4.53	4.42	90.6	88.4	76.0-122			2.46	20
Vinyl chloride	5.00	4.13	3.80	82.6	76.0	67.0-131			8.32	20
Xylenes, Total	15.0	13.6	13.0	90.7	86.7	79.0-123			4.51	20
(S) Toluene-d8				106	107	80.0-120				
(S) 4-Bromofluorobenzene				98.1	98.2	77.0-126				
(S) 1,2-Dichloroethane-d4				97.7	98.1	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1846355-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1846355-01 04/18/25 17:48 • (MS) R4201769-4 04/18/25 20:41 • (MSD) R4201769-5 04/18/25 21:02

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	131	99.8	117	0.000	0.000	1	10.0-160	V	V	15.9	35
Acrolein	25.0	U	22.4	21.1	89.6	84.4	1	10.0-160	J	J	5.98	39
Acrylonitrile	25.0	U	17.6	16.0	70.4	64.0	1	21.0-160			9.52	32
Benzene	5.00	U	3.43	3.35	68.6	67.0	1	17.0-158			2.36	27
Bromobenzene	5.00	U	3.62	3.62	72.4	72.4	1	30.0-149			0.000	28
Bromodichloromethane	5.00	U	3.83	3.72	76.6	74.4	1	31.0-150			2.91	27
Bromoform	5.00	U	3.41	3.05	68.2	61.0	1	29.0-150			11.1	29
Bromomethane	5.00	U	3.68	3.62	73.6	72.4	1	10.0-160			1.64	38

L1846355-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1846355-01 04/18/25 17:48 • (MS) R4201769-4 04/18/25 20:41 • (MSD) R4201769-5 04/18/25 21:02

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	3.94	3.73	78.8	74.6	1	31.0-150			5.48	30
sec-Butylbenzene	5.00	U	3.92	3.69	78.4	73.8	1	33.0-155			6.04	29
tert-Butylbenzene	5.00	U	4.00	3.83	80.0	76.6	1	34.0-153			4.34	28
Carbon tetrachloride	5.00	U	3.56	3.39	71.2	67.8	1	23.0-159			4.89	28
Chlorobenzene	5.00	U	3.45	3.31	69.0	66.2	1	33.0-152			4.14	27
Chlorodibromomethane	5.00	U	3.42	3.23	68.4	64.6	1	37.0-149			5.71	27
Chloroethane	5.00	U	3.08	2.98	61.6	59.6	1	10.0-160			3.30	30
Chloroform	5.00	U	3.38	3.33	67.6	66.6	1	29.0-154			1.49	28
Chloromethane	5.00	U	3.01	3.02	60.2	60.4	1	10.0-160			0.332	29
2-Chlorotoluene	5.00	U	3.83	3.73	76.6	74.6	1	32.0-153			2.65	28
4-Chlorotoluene	5.00	U	3.90	3.84	78.0	76.8	1	32.0-150			1.55	28
1,2-Dibromo-3-Chloropropane	5.00	U	4.78	4.15	95.6	83.0	1	22.0-151	J	J	14.1	34
1,2-Dibromoethane	5.00	U	2.29	2.33	45.8	46.6	1	34.0-147			1.73	27
Dibromomethane	5.00	0.143	3.40	3.27	65.1	62.5	1	30.0-151			3.90	27
1,2-Dichlorobenzene	5.00	U	3.83	3.74	76.6	74.8	1	34.0-149			2.38	28
1,3-Dichlorobenzene	5.00	U	3.96	3.71	79.2	74.2	1	36.0-146			6.52	27
1,4-Dichlorobenzene	5.00	U	3.77	3.66	75.4	73.2	1	35.0-142			2.96	27
Dichlorodifluoromethane	5.00	U	2.85	2.87	57.0	57.4	1	10.0-160	J	J	0.699	29
1,1-Dichloroethane	5.00	U	3.67	3.49	73.4	69.8	1	25.0-158			5.03	27
1,2-Dichloroethane	5.00	U	3.33	3.21	66.6	64.2	1	29.0-151			3.67	27
1,1-Dichloroethene	5.00	U	3.56	3.41	71.2	68.2	1	11.0-160			4.30	29
cis-1,2-Dichloroethene	5.00	1.16	4.94	4.55	75.6	67.8	1	10.0-160			8.22	27
trans-1,2-Dichloroethene	5.00	U	3.59	3.43	71.8	68.6	1	17.0-153			4.56	27
1,2-Dichloropropane	5.00	U	3.65	3.62	73.0	72.4	1	30.0-156			0.825	27
1,1-Dichloropropene	5.00	U	3.68	3.57	73.6	71.4	1	25.0-158			3.03	27
1,3-Dichloropropane	5.00	U	5.16	4.95	103	99.0	1	38.0-147			4.15	27
cis-1,3-Dichloropropene	5.00	U	2.62	2.69	52.4	53.8	1	34.0-149			2.64	28
trans-1,3-Dichloropropene	5.00	U	1.58	1.78	31.6	35.6	1	32.0-149	J6		11.9	28
2,2-Dichloropropane	5.00	U	3.57	3.51	71.4	70.2	1	24.0-152			1.69	29
Di-isopropyl ether	5.00	U	3.30	3.40	66.0	68.0	1	21.0-160			2.99	28
Ethylbenzene	5.00	U	3.65	3.53	73.0	70.6	1	30.0-155			3.34	27
Hexachloro-1,3-butadiene	5.00	U	3.58	3.17	71.6	63.4	1	20.0-154			12.1	34
Isopropylbenzene	5.00	U	3.49	3.28	69.8	65.6	1	28.0-157			6.20	27
p-Isopropyltoluene	5.00	1.19	5.07	4.78	77.6	71.8	1	30.0-154			5.89	29
2-Butanone (MEK)	25.0	361	221	344	0.000	0.000	1	10.0-160	V	J3 V	43.5	32
Methylene Chloride	5.00	U	3.25	3.14	65.0	62.8	1	23.0-144			3.44	28
4-Methyl-2-pentanone (MIBK)	25.0	U	19.1	17.6	76.4	70.4	1	29.0-160			8.17	29
Methyl tert-butyl ether	5.00	U	3.44	3.46	68.8	69.2	1	28.0-150			0.580	29
Naphthalene	5.00	U	4.42	4.10	88.4	82.0	1	12.0-156	J	J	7.51	35
n-Propylbenzene	5.00	0.132	4.09	3.90	79.2	75.4	1	31.0-154			4.76	28

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1846355-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1846355-01 04/18/25 17:48 • (MS) R4201769-4 04/18/25 20:41 • (MSD) R4201769-5 04/18/25 21:02

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	3.64	3.46	72.8	69.2	1	33.0-155			5.07	28
1,1,1,2-Tetrachloroethane	5.00	U	3.57	3.37	71.4	67.4	1	36.0-151			5.76	29
1,1,2,2-Tetrachloroethane	5.00	U	5.48	5.34	110	107	1	33.0-150			2.59	28
1,1,2-Trichlorotrifluoroethane	5.00	U	3.33	3.12	66.6	62.4	1	23.0-160			6.51	30
Tetrachloroethene	5.00	0.466	3.85	3.62	67.7	63.1	1	10.0-160			6.16	27
Toluene	5.00	U	3.35	3.31	67.0	66.2	1	26.0-154			1.20	28
1,2,3-Trichlorobenzene	5.00	U	4.01	3.76	80.2	75.2	1	17.0-150			6.44	36
1,2,4-Trichlorobenzene	5.00	U	4.04	3.76	80.8	75.2	1	24.0-150			7.18	33
1,1,1-Trichloroethane	5.00	U	3.66	3.48	73.2	69.6	1	23.0-160			5.04	28
1,1,2-Trichloroethane	5.00	U	3.52	3.38	70.4	67.6	1	35.0-147			4.06	27
Trichloroethene	5.00	U	3.63	3.41	72.6	68.2	1	10.0-160			6.25	25
Trichlorofluoromethane	5.00	U	3.43	3.20	68.6	64.0	1	17.0-160	↓	↓	6.94	31
1,2,3-Trichloropropane	5.00	U	4.53	4.08	90.6	81.6	1	34.0-151			10.5	29
1,2,4-Trimethylbenzene	5.00	U	4.02	3.97	80.4	79.4	1	26.0-154			1.25	27
1,2,3-Trimethylbenzene	5.00	U	3.83	3.72	76.6	74.4	1	32.0-149			2.91	28
1,3,5-Trimethylbenzene	5.00	U	3.87	3.79	77.4	75.8	1	28.0-153			2.09	27
Vinyl chloride	5.00	U	3.30	3.36	66.0	67.2	1	10.0-160			1.80	27
Xylenes, Total	15.0	U	10.8	10.2	72.0	68.0	1	29.0-154			5.71	28
(S) Toluene-d8					93.6	93.3		80.0-120				
(S) 4-Bromofluorobenzene					92.6	92.3		77.0-126				
(S) 1,2-Dichloroethane-d4					104	102		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4201753-2 04/18/25 13:59

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/kg		ug/kg	ug/kg
Acetone	U		36.5	50.0
Acrylonitrile	U		3.61	12.5
Benzene	U		0.467	1.00
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	1.05	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
Ethylbenzene	U		0.737	2.50
Hexachloro-1,3-butadiene	U		6.00	25.0
Isopropylbenzene	U		0.425	2.50

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4201753-2 04/18/25 13:59

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
p-Isopropyltoluene	U		2.55	5.00
2-Butanone (MEK)	U		63.5	100
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
Naphthalene	U		4.88	12.5
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
Toluene	U		1.30	5.00
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
1,2,4-Trimethylbenzene	U		1.58	5.00
1,2,3-Trimethylbenzene	U		1.58	5.00
1,3,5-Trimethylbenzene	U		2.00	5.00
Vinyl chloride	U		1.16	2.50
Xylenes, Total	U		0.880	6.50
(S) Toluene-d8	92.6			75.0-131
(S) 4-Bromofluorobenzene	104			67.0-138
(S) 1,2-Dichloroethane-d4	102			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4201753-1 04/18/25 12:43

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	625	598	95.7	10.0-160	
Acrylonitrile	625	619	99.0	45.0-153	
Benzene	125	135	108	70.0-123	
Bromobenzene	125	109	87.2	73.0-121	
Bromodichloromethane	125	137	110	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R4201753-1 04/18/25 12:43

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	125	96.6	77.3	64.0-132	
Bromomethane	125	196	157	56.0-147	J4
n-Butylbenzene	125	116	92.8	68.0-135	
sec-Butylbenzene	125	116	92.8	74.0-130	
tert-Butylbenzene	125	112	89.6	75.0-127	
Carbon tetrachloride	125	107	85.6	66.0-128	
Chlorobenzene	125	109	87.2	76.0-128	
Chlorodibromomethane	125	106	84.8	74.0-127	
Chloroethane	125	146	117	61.0-134	
Chloroform	125	135	108	72.0-123	
Chloromethane	125	171	137	51.0-138	
2-Chlorotoluene	125	109	87.2	75.0-124	
4-Chlorotoluene	125	113	90.4	75.0-124	
1,2-Dibromo-3-Chloropropane	125	91.7	73.4	59.0-130	
1,2-Dibromoethane	125	109	87.2	74.0-128	
Dibromomethane	125	131	105	75.0-122	
1,2-Dichlorobenzene	125	111	88.8	76.0-124	
1,3-Dichlorobenzene	125	106	84.8	76.0-125	
1,4-Dichlorobenzene	125	107	85.6	77.0-121	
Dichlorodifluoromethane	125	215	172	43.0-156	J4
1,1-Dichloroethane	125	143	114	70.0-127	
1,2-Dichloroethane	125	144	115	65.0-131	
1,1-Dichloroethene	125	152	122	65.0-131	
cis-1,2-Dichloroethene	125	127	102	73.0-125	
trans-1,2-Dichloroethene	125	137	110	71.0-125	
1,2-Dichloropropane	125	140	112	74.0-125	
1,1-Dichloropropene	125	141	113	73.0-125	
1,3-Dichloropropane	125	112	89.6	80.0-125	
cis-1,3-Dichloropropene	125	140	112	76.0-127	
trans-1,3-Dichloropropene	125	121	96.8	73.0-127	
2,2-Dichloropropane	125	163	130	59.0-135	
Di-isopropyl ether	125	151	121	60.0-136	
Ethylbenzene	125	110	88.0	74.0-126	
Hexachloro-1,3-butadiene	125	91.5	73.2	57.0-150	
Isopropylbenzene	125	115	92.0	72.0-127	
p-Isopropyltoluene	125	111	88.8	72.0-133	
2-Butanone (MEK)	625	596	95.4	30.0-160	
Methylene Chloride	125	132	106	68.0-123	
4-Methyl-2-pentanone (MIBK)	625	641	103	56.0-143	
Methyl tert-butyl ether	125	146	117	66.0-132	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4201753-1 04/18/25 12:43

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	125	102	81.6	59.0-130	
n-Propylbenzene	125	120	96.0	74.0-126	
Styrene	125	113	90.4	72.0-127	
1,1,1,2-Tetrachloroethane	125	107	85.6	74.0-129	
1,1,2,2-Tetrachloroethane	125	109	87.2	68.0-128	
1,1,2-Trichlorotrifluoroethane	125	149	119	61.0-139	
Tetrachloroethene	125	105	84.0	70.0-136	
Toluene	125	110	88.0	75.0-121	
1,2,3-Trichlorobenzene	125	109	87.2	59.0-139	
1,2,4-Trichlorobenzene	125	109	87.2	62.0-137	
1,1,1-Trichloroethane	125	110	88.0	69.0-126	
1,1,2-Trichloroethane	125	120	96.0	78.0-123	
Trichloroethene	125	123	98.4	76.0-126	
Trichlorofluoromethane	125	163	130	61.0-142	
1,2,3-Trichloropropane	125	114	91.2	67.0-129	
1,2,4-Trimethylbenzene	125	112	89.6	70.0-126	
1,2,3-Trimethylbenzene	125	119	95.2	74.0-124	
1,3,5-Trimethylbenzene	125	113	90.4	73.0-127	
Vinyl chloride	125	175	140	63.0-134	J4
Xylenes, Total	375	330	88.0	72.0-127	
(S) Toluene-d8			91.7	75.0-131	
(S) 4-Bromofluorobenzene			103	67.0-138	
(S) 1,2-Dichloroethane-d4			104	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1849529-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849529-05 04/18/25 18:08 • (MS) R4201753-3 04/18/25 21:39 • (MSD) R4201753-4 04/18/25 21:58

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	840	U	691	630	82.2	75.0	1	10.0-160			9.16	40
Acrylonitrile	840	U	869	825	104	98.2	1	10.0-160			5.23	40
Benzene	168	U	189	176	113	105	1	10.0-149			7.35	37
Bromobenzene	168	U	145	133	86.4	79.1	1	10.0-156			8.80	38
Bromodichloromethane	168	U	181	169	108	101	1	10.0-143			6.90	37
Bromoform	168	U	116	120	69.0	71.4	1	10.0-146			3.42	36
Bromomethane	168	U	173	149	103	88.8	1	10.0-149			15.0	38
n-Butylbenzene	168	U	169	175	101	104	1	10.0-160			3.12	40
sec-Butylbenzene	168	U	164	159	97.6	94.4	1	10.0-159			3.33	39
tert-Butylbenzene	168	U	155	146	92.0	87.2	1	10.0-156			5.36	39

L1849529-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849529-05 04/18/25 18:08 • (MS) R4201753-3 04/18/25 21:39 • (MSD) R4201753-4 04/18/25 21:58

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Carbon tetrachloride	168	U	200	173	119	103	1	10.0-145			14.4	37
Chlorobenzene	168	U	153	145	91.2	86.4	1	10.0-152			5.41	39
Chlorodibromomethane	168	U	136	134	80.8	79.7	1	10.0-146			1.40	37
Chloroethane	168	U	113	45.4	67.5	27.0	1	10.0-146		J3	85.6	40
Chloroform	168	U	185	172	110	102	1	10.0-146			7.52	37
Chloromethane	168	U	241	211	143	126	1	10.0-159			13.1	37
2-Chlorotoluene	168	U	150	142	89.6	84.8	1	10.0-159			5.50	38
4-Chlorotoluene	168	U	152	150	90.4	89.6	1	10.0-155			0.889	39
1,2-Dibromo-3-Chloropropane	168	U	107	106	63.8	63.2	1	10.0-151			0.882	39
1,2-Dibromoethane	168	U	144	137	85.6	81.6	1	10.0-148			4.78	34
Dibromomethane	168	U	176	165	105	98.4	1	10.0-147			6.30	35
1,2-Dichlorobenzene	168	U	153	156	91.2	92.8	1	10.0-155			1.74	37
1,3-Dichlorobenzene	168	U	148	144	88.0	85.6	1	10.0-153			2.76	38
1,4-Dichlorobenzene	168	U	144	138	85.6	82.4	1	10.0-151			3.81	38
Dichlorodifluoromethane	168	U	312	279	186	166	1	10.0-160	J5	J5	10.9	35
1,1-Dichloroethane	168	U	196	176	117	105	1	10.0-147			10.8	37
1,2-Dichloroethane	168	U	185	196	110	117	1	10.0-148			5.63	35
1,1-Dichloroethene	168	U	219	200	130	119	1	10.0-155			8.97	37
cis-1,2-Dichloroethene	168	U	179	165	106	98.4	1	10.0-149			7.81	37
trans-1,2-Dichloroethene	168	U	192	179	114	106	1	10.0-150			7.25	37
1,2-Dichloropropane	168	U	191	180	114	107	1	10.0-148			5.80	37
1,1-Dichloropropene	168	U	199	183	118	109	1	10.0-153			8.45	35
1,3-Dichloropropane	168	U	153	148	91.2	88.0	1	10.0-154			3.57	35
cis-1,3-Dichloropropene	168	U	187	173	111	103	1	10.0-151			7.46	37
trans-1,3-Dichloropropene	168	U	165	156	98.4	92.8	1	10.0-148			5.86	37
2,2-Dichloropropane	168	U	189	150	113	89.6	1	10.0-138			22.9	36
Di-isopropyl ether	168	U	210	195	125	116	1	10.0-147			7.31	36
Ethylbenzene	168	U	153	148	91.2	88.0	1	10.0-160			3.57	38
Hexachloro-1,3-butadiene	168	U	144	161	85.6	96.0	1	10.0-160			11.5	40
Isopropylbenzene	168	U	168	164	100	97.6	1	10.0-155			2.43	38
p-Isopropyltoluene	168	U	160	157	95.2	93.6	1	10.0-160			1.69	40
2-Butanone (MEK)	840	U	656	1060	78.1	127	1	10.0-160		J3	47.5	40
Methylene Chloride	168	U	202	183	120	109	1	10.0-141			9.79	37
4-Methyl-2-pentanone (MIBK)	840	U	803	760	95.7	90.6	1	10.0-160			5.50	35
Methyl tert-butyl ether	168	U	192	202	114	120	1	11.0-147			4.78	35
Naphthalene	168	U	142	145	84.8	86.4	1	10.0-160			1.87	36
n-Propylbenzene	168	U	161	152	96.0	90.4	1	10.0-158			6.01	38
Styrene	168	U	156	152	92.8	90.4	1	10.0-160			2.62	40
1,1,1,2-Tetrachloroethane	168	U	142	142	84.8	84.8	1	10.0-149			0.000	39

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1849529-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849529-05 04/18/25 18:08 • (MS) R4201753-3 04/18/25 21:39 • (MSD) R4201753-4 04/18/25 21:58

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,2,2-Tetrachloroethane	168	U	142	109	84.8	64.8	1	10.0-160			26.7	35
1,1,2-Trichlorotrifluoroethane	168	U	219	152	130	90.4	1	10.0-160		J3	36.2	36
Tetrachloroethene	168	U	142	142	84.8	84.8	1	10.0-156			0.000	39
Toluene	168	U	153	145	91.2	86.4	1	10.0-156			5.41	38
1,2,3-Trichlorobenzene	168	U	169	195	101	116	1	10.0-160			14.0	40
1,2,4-Trichlorobenzene	168	U	165	200	98.4	119	1	10.0-160			19.1	40
1,1,1-Trichloroethane	168	U	198	140	118	83.2	1	10.0-144			34.3	35
1,1,2-Trichloroethane	168	U	156	152	92.8	90.4	1	10.0-160			2.62	35
Trichloroethene	168	U	181	191	108	114	1	10.0-156			5.05	38
Trichlorofluoromethane	168	U	152	40.2	90.4	23.9	1	10.0-160		J3	116	40
1,2,3-Trichloropropane	168	U	142	141	84.8	84.0	1	10.0-156			0.948	35
1,2,4-Trimethylbenzene	168	U	153	156	91.2	92.8	1	10.0-160			1.74	36
1,2,3-Trimethylbenzene	168	U	161	160	96.0	95.2	1	10.0-160			0.837	36
1,3,5-Trimethylbenzene	168	U	153	148	91.2	88.0	1	10.0-160			3.57	38
Vinyl chloride	168	U	253	228	150	136	1	10.0-160			10.1	37
Xylenes, Total	504	U	460	443	91.2	88.0	1	10.0-160			3.57	38
(S) Toluene-d8					92.2	90.9		75.0-131				
(S) 4-Bromofluorobenzene					106	108		67.0-138				
(S) 1,2-Dichloroethane-d4					105	103		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4201805-3 04/18/25 10:51

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/kg		ug/kg	ug/kg
Acetone	U		36.5	50.0
Acrylonitrile	U		3.61	12.5
Benzene	U		0.467	1.00
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
Ethylbenzene	U		0.737	2.50
Hexachloro-1,3-butadiene	U		6.00	25.0
Isopropylbenzene	U		0.425	2.50

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4201805-3 04/18/25 10:51

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/kg		ug/kg	ug/kg
p-Isopropyltoluene	U		2.55	5.00
2-Butanone (MEK)	U		63.5	100
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
Naphthalene	U		4.88	12.5
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
Toluene	U		1.30	5.00
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
1,2,4-Trimethylbenzene	U		1.58	5.00
1,2,3-Trimethylbenzene	U		1.58	5.00
1,3,5-Trimethylbenzene	U		2.00	5.00
Vinyl chloride	U		1.16	2.50
Xylenes, Total	U		0.880	6.50
(S) Toluene-d8	107			75.0-131
(S) 4-Bromofluorobenzene	102			67.0-138
(S) 1,2-Dichloroethane-d4	83.9			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R4201805-1 04/18/25 09:08 • (LCSD) R4201805-2 04/18/25 09:28

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/kg	ug/kg	ug/kg	%	%	%			%	%
Acetone	625	792	652	127	104	10.0-160			19.4	31
Acrylonitrile	625	542	598	86.7	95.7	45.0-153			9.82	22
Benzene	125	130	128	104	102	70.0-123			1.55	20
Bromobenzene	125	141	139	113	111	73.0-121			1.43	20
Bromodichloromethane	125	112	117	89.6	93.6	73.0-121			4.37	20

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

(LCS) R4201805-1 04/18/25 09:08 • (LCSD) R4201805-2 04/18/25 09:28

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromoform	125	125	127	100	102	64.0-132			1.59	20
Bromomethane	125	121	107	96.8	85.6	56.0-147			12.3	20
n-Butylbenzene	125	153	146	122	117	68.0-135			4.68	20
sec-Butylbenzene	125	145	137	116	110	74.0-130			5.67	20
tert-Butylbenzene	125	140	134	112	107	75.0-127			4.38	20
Carbon tetrachloride	125	112	113	89.6	90.4	66.0-128			0.889	20
Chlorobenzene	125	140	138	112	110	76.0-128			1.44	20
Chlorodibromomethane	125	129	130	103	104	74.0-127			0.772	20
Chloroethane	125	122	108	97.6	86.4	61.0-134			12.2	20
Chloroform	125	138	135	110	108	72.0-123			2.20	20
Chloromethane	125	105	107	84.0	85.6	51.0-138			1.89	20
2-Chlorotoluene	125	144	126	115	101	75.0-124			13.3	20
4-Chlorotoluene	125	142	137	114	110	75.0-124			3.58	20
1,2-Dibromo-3-Chloropropane	125	104	120	83.2	96.0	59.0-130			14.3	20
1,2-Dibromoethane	125	139	145	111	116	74.0-128			4.23	20
Dibromomethane	125	130	128	104	102	75.0-122			1.55	20
1,2-Dichlorobenzene	125	135	128	108	102	76.0-124			5.32	20
1,3-Dichlorobenzene	125	141	141	113	113	76.0-125			0.000	20
1,4-Dichlorobenzene	125	131	129	105	103	77.0-121			1.54	20
Dichlorodifluoromethane	125	123	110	98.4	88.0	43.0-156			11.2	20
1,1-Dichloroethane	125	124	122	99.2	97.6	70.0-127			1.63	20
1,2-Dichloroethane	125	104	109	83.2	87.2	65.0-131			4.69	20
1,1-Dichloroethene	125	116	115	92.8	92.0	65.0-131			0.866	20
cis-1,2-Dichloroethene	125	120	122	96.0	97.6	73.0-125			1.65	20
trans-1,2-Dichloroethene	125	129	123	103	98.4	71.0-125			4.76	20
1,2-Dichloropropane	125	130	136	104	109	74.0-125			4.51	20
1,1-Dichloropropene	125	121	121	96.8	96.8	73.0-125			0.000	20
1,3-Dichloropropane	125	139	136	111	109	80.0-125			2.18	20
cis-1,3-Dichloropropene	125	126	133	101	106	76.0-127			5.41	20
trans-1,3-Dichloropropene	125	143	142	114	114	73.0-127			0.702	20
2,2-Dichloropropane	125	131	123	105	98.4	59.0-135			6.30	20
Di-isopropyl ether	125	121	128	96.8	102	60.0-136			5.62	20
Ethylbenzene	125	139	133	111	106	74.0-126			4.41	20
Hexachloro-1,3-butadiene	125	146	134	117	107	57.0-150			8.57	20
Isopropylbenzene	125	144	137	115	110	72.0-127			4.98	20
p-Isopropyltoluene	125	146	139	117	111	72.0-133			4.91	20
2-Butanone (MEK)	625	675	758	108	121	30.0-160			11.6	24
Methylene Chloride	125	138	131	110	105	68.0-123			5.20	20
4-Methyl-2-pentanone (MIBK)	625	678	673	108	108	56.0-143			0.740	20
Methyl tert-butyl ether	125	125	128	100	102	66.0-132			2.37	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4201805-1 04/18/25 09:08 • (LCSD) R4201805-2 04/18/25 09:28

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 %
Naphthalene	125	128	122	102	97.6	59.0-130			4.80	20
n-Propylbenzene	125	145	137	116	110	74.0-126			5.67	20
Styrene	125	151	140	121	112	72.0-127			7.56	20
1,1,1,2-Tetrachloroethane	125	128	133	102	106	74.0-129			3.83	20
1,1,2,2-Tetrachloroethane	125	126	132	101	106	68.0-128			4.65	20
1,1,2-Trichlorotrifluoroethane	125	132	133	106	106	61.0-139			0.755	20
Tetrachloroethene	125	137	133	110	106	70.0-136			2.96	20
Toluene	125	145	141	116	113	75.0-121			2.80	20
1,2,3-Trichlorobenzene	125	136	124	109	99.2	59.0-139			9.23	20
1,2,4-Trichlorobenzene	125	140	132	112	106	62.0-137			5.88	20
1,1,1-Trichloroethane	125	110	112	88.0	89.6	69.0-126			1.80	20
1,1,2-Trichloroethane	125	139	136	111	109	78.0-123			2.18	20
Trichloroethene	125	125	118	100	94.4	76.0-126			5.76	20
Trichlorofluoromethane	125	103	102	82.4	81.6	61.0-142			0.976	20
1,2,3-Trichloropropane	125	123	131	98.4	105	67.0-129			6.30	20
1,2,4-Trimethylbenzene	125	149	142	119	114	70.0-126			4.81	20
1,2,3-Trimethylbenzene	125	141	141	113	113	74.0-124			0.000	20
1,3,5-Trimethylbenzene	125	138	133	110	106	73.0-127			3.69	20
Vinyl chloride	125	124	107	99.2	85.6	63.0-134			14.7	20
Xylenes, Total	375	442	422	118	113	72.0-127			4.63	20
(S) Toluene-d8				107	105	75.0-131				
(S) 4-Bromofluorobenzene				99.1	99.4	67.0-138				
(S) 1,2-Dichloroethane-d4				83.7	87.6	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1849446-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849446-06 04/18/25 14:40 • (MS) R4201805-4 04/18/25 16:45 • (MSD) R4201805-5 04/18/25 17:05

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	909	U	804	941	88.5	104	1	10.0-160			15.7	40
Acrylonitrile	909	U	809	771	89.0	84.8	1	10.0-160			4.79	40
Benzene	182	U	150	156	82.4	85.6	1	10.0-149			3.81	37
Bromobenzene	182	U	169	166	92.8	91.2	1	10.0-156			1.74	38
Bromodichloromethane	182	U	131	151	72.0	83.2	1	10.0-143			14.4	37
Bromoform	182	U	136	147	75.0	80.8	1	10.0-146			7.50	36
Bromomethane	182	U	118	120	64.8	66.1	1	10.0-149			1.96	38
n-Butylbenzene	182	U	185	192	102	106	1	10.0-160			3.86	40
sec-Butylbenzene	182	U	175	185	96.0	102	1	10.0-159			5.67	39
tert-Butylbenzene	182	U	170	179	93.6	98.4	1	10.0-156			5.00	39

L1849446-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849446-06 04/18/25 14:40 • (MS) R4201805-4 04/18/25 16:45 • (MSD) R4201805-5 04/18/25 17:05

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 %
Carbon tetrachloride	182	U	132	148	72.8	81.6	1	10.0-145			11.4	37
Chlorobenzene	182	U	164	175	90.4	96.0	1	10.0-152			6.01	39
Chlorodibromomethane	182	U	142	157	78.2	86.4	1	10.0-146			10.0	37
Chloroethane	182	U	84.4	128	46.4	70.6	1	10.0-146		J3	41.4	40
Chloroform	182	U	167	175	92.0	96.0	1	10.0-146			4.26	37
Chloromethane	182	U	113	134	62.1	73.5	1	10.0-159			16.9	37
2-Chlorotoluene	182	U	148	159	81.6	87.2	1	10.0-159			6.64	38
4-Chlorotoluene	182	U	169	170	92.8	93.6	1	10.0-155			0.858	39
1,2-Dibromo-3-Chloropropane	182	U	119	123	65.4	67.8	1	10.0-151			3.48	39
1,2-Dibromoethane	182	U	164	173	90.4	95.2	1	10.0-148			5.17	34
Dibromomethane	182	U	147	151	80.8	83.2	1	10.0-147			2.93	35
1,2-Dichlorobenzene	182	U	163	163	89.6	89.6	1	10.0-155			0.000	37
1,3-Dichlorobenzene	182	U	172	179	94.4	98.4	1	10.0-153			4.15	38
1,4-Dichlorobenzene	182	U	161	169	88.8	92.8	1	10.0-151			4.41	38
Dichlorodifluoromethane	182	U	132	161	72.5	88.8	1	10.0-160			20.2	35
1,1-Dichloroethane	182	U	148	157	81.6	86.4	1	10.0-147			5.71	37
1,2-Dichloroethane	182	U	136	141	75.0	77.6	1	10.0-148			3.46	35
1,1-Dichloroethene	182	U	135	141	74.3	77.7	1	10.0-155			4.42	37
cis-1,2-Dichloroethene	182	U	147	144	80.8	79.0	1	10.0-149			2.30	37
trans-1,2-Dichloroethene	182	U	131	140	72.3	77.0	1	10.0-150			6.32	37
1,2-Dichloropropane	182	U	160	167	88.0	92.0	1	10.0-148			4.44	37
1,1-Dichloropropene	182	U	141	154	77.7	84.8	1	10.0-153			8.76	35
1,3-Dichloropropane	182	U	163	172	89.6	94.4	1	10.0-154			5.22	35
cis-1,3-Dichloropropene	182	U	153	159	84.0	87.2	1	10.0-151			3.74	37
trans-1,3-Dichloropropene	182	U	166	180	91.2	99.2	1	10.0-148			8.40	37
2,2-Dichloropropane	182	U	145	167	80.0	92.0	1	10.0-138			14.0	36
Di-isopropyl ether	182	U	173	173	95.2	95.2	1	10.0-147			0.000	36
Ethylbenzene	182	U	160	176	88.0	96.8	1	10.0-160			9.52	38
Hexachloro-1,3-butadiene	182	U	176	201	96.8	110	1	10.0-160			13.1	40
Isopropylbenzene	182	U	175	180	96.0	99.2	1	10.0-155			3.28	38
p-Isopropyltoluene	182	U	176	183	96.8	101	1	10.0-160			4.05	40
2-Butanone (MEK)	909	U	1040	960	114	106	1	10.0-160			7.72	40
Methylene Chloride	182	U	153	156	84.0	85.6	1	10.0-141			1.89	37
4-Methyl-2-pentanone (MIBK)	909	U	961	983	106	108	1	10.0-160			2.24	35
Methyl tert-butyl ether	182	U	164	176	90.4	96.8	1	11.0-147			6.84	35
Naphthalene	182	U	159	153	87.2	84.0	1	10.0-160			3.74	36
n-Propylbenzene	182	U	167	183	92.0	101	1	10.0-158			9.13	38
Styrene	182	U	173	186	95.2	102	1	10.0-160			7.29	40
1,1,1,2-Tetrachloroethane	182	U	157	167	86.4	92.0	1	10.0-149			6.28	39

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1849446-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849446-06 04/18/25 14:40 • (MS) R4201805-4 04/18/25 16:45 • (MSD) R4201805-5 04/18/25 17:05

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 %
1,1,2,2-Tetrachloroethane	182	U	154	159	84.8	87.2	1	10.0-160			2.79	35
1,1,2-Trichlorotrifluoroethane	182	U	159	170	87.2	93.6	1	10.0-160			7.08	36
Tetrachloroethene	182	U	153	156	84.0	85.6	1	10.0-156			1.89	39
Toluene	182	U	167	172	92.0	94.4	1	10.0-156			2.58	38
1,2,3-Trichlorobenzene	182	U	157	163	86.4	89.6	1	10.0-160			3.64	40
1,2,4-Trichlorobenzene	182	U	163	169	89.6	92.8	1	10.0-160			3.51	40
1,1,1-Trichloroethane	182	U	147	159	80.8	87.2	1	10.0-144			7.62	35
1,1,2-Trichloroethane	182	U	170	170	93.6	93.6	1	10.0-160			0.000	35
Trichloroethene	182	U	147	156	80.8	85.6	1	10.0-156			5.77	38
Trichlorofluoromethane	182	U	74.2	121	40.8	66.7	1	10.0-160		J3	48.2	40
1,2,3-Trichloropropane	182	U	166	147	91.2	80.8	1	10.0-156			12.1	35
1,2,4-Trimethylbenzene	182	U	170	183	93.6	101	1	10.0-160			7.41	36
1,2,3-Trimethylbenzene	182	U	169	177	92.8	97.6	1	10.0-160			5.04	36
1,3,5-Trimethylbenzene	182	U	164	169	90.4	92.8	1	10.0-160			2.62	38
Vinyl chloride	182	U	120	136	65.8	74.6	1	10.0-160			12.5	37
Xylenes, Total	545	U	518	535	94.9	98.1	1	10.0-160			3.31	38
(S) Toluene-d8					106	104		75.0-131				
(S) 4-Bromofluorobenzene					99.1	97.2		67.0-138				
(S) 1,2-Dichloroethane-d4					92.6	91.7		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4201842-1 04/18/25 14:45

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/kg		ug/kg	ug/kg
C10-C28 Diesel Range	U		1610	4000
C28-C36 Motor Oil Range	1500	J	274	4000
(S) o-Terphenyl	73.4			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4201842-2 04/18/25 14:57

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/kg	ug/kg	%	%	
C10-C28 Diesel Range	50000	40100	80.2	50.0-150	
(S) o-Terphenyl			74.2	18.0-148	

L1849446-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849446-06 04/18/25 15:48 • (MS) R4201842-3 04/18/25 16:00 • (MSD) R4201842-4 04/18/25 16:13

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	%	%		%			%	%
C10-C28 Diesel Range	61000	3040	48000	45000	73.7	68.4	1	50.0-150			6.33	20
(S) o-Terphenyl					49.4	44.1		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4201890-2 04/18/25 23:54

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Acenaphthene	U		5.39	33.3
Acenaphthylene	U		4.69	33.3
Anthracene	U		5.93	33.3
Benzidine	U		62.6	1670
Benzo(a)anthracene	U		5.87	33.3
Benzo(b)fluoranthene	U		6.21	33.3
Benzo(k)fluoranthene	U		5.92	33.3
Benzo(g,h,i)perylene	U		6.09	33.3
Benzo(a)pyrene	U		6.19	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
Chrysene	U		6.62	33.3
Dibenz(a,h)anthracene	U		9.23	33.3
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
Fluoranthene	U		6.01	33.3
Fluorene	U		5.42	33.3
Hexachlorobenzene	U		11.8	333
Hexachloro-1,3-butadiene	U		11.2	333
Hexachlorocyclopentadiene	U		17.5	333
Hexachloroethane	U		13.1	333
Indeno(1,2,3-cd)pyrene	U		9.41	33.3
Isophorone	U		10.2	333
1-Methylnaphthalene	U		4.26	33.3
2-Methylnaphthalene	U		4.32	33.3
Naphthalene	U		8.36	33.3
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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4201890-2 04/18/25 23:54

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
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
Pyrene	U		6.48	33.3
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
Pentachlorophenol	U		8.96	333
Phenol	U		13.4	333
2,4,6-Trichlorophenol	U		10.7	333
(S) 2-Fluorophenol	53.5			12.0-120
(S) Phenol-d5	48.8			10.0-120
(S) Nitrobenzene-d5	45.9			10.0-122
(S) 2-Fluorobiphenyl	45.9			15.0-120
(S) 2,4,6-Tribromophenol	43.2			10.0-127
(S) p-Terphenyl-d14	50.8			10.0-120

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4201890-1 04/18/25 23:34

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	666	323	48.5	38.0-120	
Acenaphthylene	666	363	54.5	40.0-120	
Anthracene	666	318	47.7	42.0-120	
Benzidine	1330	491	36.9	10.0-120	J
Benzo(a)anthracene	666	344	51.7	44.0-120	
Benzo(b)fluoranthene	666	330	49.5	43.0-120	
Benzo(k)fluoranthene	666	345	51.8	44.0-120	
Benzo(g,h,i)perylene	666	341	51.2	43.0-120	
Benzo(a)pyrene	666	338	50.8	45.0-120	

Laboratory Control Sample (LCS)

(LCS) R4201890-1 04/18/25 23:34

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bis(2-chloroethoxy)methane	666	274	41.1	20.0-120	↓
Bis(2-chloroethyl)ether	666	312	46.8	16.0-120	↓
2,2-Oxybis(1-Chloropropane)	666	307	46.1	23.0-120	↓
4-Bromophenyl-phenylether	666	326	48.9	40.0-120	↓
2-Chloronaphthalene	666	307	46.1	35.0-120	
4-Chlorophenyl-phenylether	666	337	50.6	40.0-120	
Chrysene	666	324	48.6	43.0-120	
Dibenz(a,h)anthracene	666	357	53.6	44.0-120	
1,2-Dichlorobenzene	666	306	45.9	32.0-120	↓
1,3-Dichlorobenzene	666	287	43.1	30.0-120	↓
1,4-Dichlorobenzene	666	310	46.5	31.0-120	↓
3,3-Dichlorobenzidine	1330	689	51.8	28.0-120	
2,4-Dinitrotoluene	666	382	57.4	45.0-120	
2,6-Dinitrotoluene	666	347	52.1	42.0-120	
Fluoranthene	666	341	51.2	44.0-120	
Fluorene	666	333	50.0	41.0-120	
Hexachlorobenzene	666	296	44.4	39.0-120	↓
Hexachloro-1,3-butadiene	666	257	38.6	15.0-120	↓
Hexachlorocyclopentadiene	666	286	42.9	15.0-120	↓
Hexachloroethane	666	301	45.2	17.0-120	↓
Indeno(1,2,3-cd)pyrene	666	355	53.3	45.0-120	
Isophorone	666	291	43.7	23.0-120	↓
1-Methylnaphthalene	666	296	44.4	34.0-120	
2-Methylnaphthalene	666	293	44.0	34.0-120	
Naphthalene	666	272	40.8	18.0-120	
Nitrobenzene	666	279	41.9	17.0-120	↓
n-Nitrosodimethylamine	666	286	42.9	10.0-125	↓
n-Nitrosodiphenylamine	666	327	49.1	40.0-120	↓
n-Nitrosodi-n-propylamine	666	311	46.7	26.0-120	↓
Phenanthrene	666	313	47.0	42.0-120	
Benzylbutyl phthalate	666	376	56.5	40.0-120	
Bis(2-ethylhexyl)phthalate	666	380	57.1	41.0-120	
Di-n-butyl phthalate	666	360	54.1	43.0-120	
Diethyl phthalate	666	358	53.8	43.0-120	
Dimethyl phthalate	666	357	53.6	43.0-120	
Di-n-octyl phthalate	666	372	55.9	40.0-120	
Pyrene	666	329	49.4	41.0-120	
1,2,4-Trichlorobenzene	666	272	40.8	17.0-120	↓
4-Chloro-3-methylphenol	666	273	41.0	28.0-120	↓
2-Chlorophenol	666	295	44.3	28.0-120	↓

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4201890-1 04/18/25 23:34

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4-Dichlorophenol	666	272	40.8	25.0-120	↓
2,4-Dimethylphenol	666	250	37.5	15.0-120	↓
4,6-Dinitro-2-methylphenol	666	353	53.0	16.0-120	
2,4-Dinitrophenol	666	333	50.0	10.0-120	↓
2-Nitrophenol	666	312	46.8	20.0-120	↓
4-Nitrophenol	666	366	55.0	27.0-120	
Pentachlorophenol	666	256	38.4	29.0-120	↓
Phenol	666	309	46.4	28.0-120	↓
2,4,6-Trichlorophenol	666	305	45.8	37.0-120	↓
(S) 2-Fluorophenol			53.2	12.0-120	
(S) Phenol-d5			49.8	10.0-120	
(S) Nitrobenzene-d5			40.5	10.0-122	
(S) 2-Fluorobiphenyl			47.1	15.0-120	
(S) 2,4,6-Tribromophenol			48.5	10.0-127	
(S) p-Terphenyl-d14			49.2	10.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1849446-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849446-06 04/18/25 23:55 • (MS) R4201937-1 04/19/25 00:16 • (MSD) R4201937-2 04/19/25 00:37

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 %
Acenaphthene	815	U	339	350	41.6	42.9	1	18.0-120			3.21	32
Acenaphthylene	815	U	345	359	42.3	44.1	1	25.0-120			4.18	32
Anthracene	815	16.3	378	396	44.4	46.6	1	22.0-120			4.75	29
Benzidine	1630	U	308	346	18.9	21.2	1	10.0-120	↓	↓	11.6	40
Benzo(a)anthracene	815	14.7	397	420	47.0	49.7	1	25.0-120			5.41	29
Benzo(b)fluoranthene	815	59.4	400	453	41.8	48.3	1	19.0-122			12.4	31
Benzo(k)fluoranthene	815	17.5	362	394	42.3	46.2	1	23.0-120			8.44	30
Benzo(g,h,i)perylene	815	65.5	390	490	39.8	52.0	1	10.0-120			22.6	33
Benzo(a)pyrene	815	21.8	407	433	47.3	50.5	1	24.0-120			6.13	30
Bis(2-chlorethoxy)methane	815	U	255	263	31.3	32.2	1	10.0-120	↓	↓	2.84	34
Bis(2-chloroethyl)ether	815	U	292	315	35.8	38.7	1	10.0-120	↓	↓	7.68	40
2,2-Oxybis(1-Chloropropane)	815	U	256	271	31.5	33.3	1	10.0-120	↓	↓	5.58	40
4-Bromophenyl-phenylether	815	U	353	371	43.4	45.5	1	27.0-120	↓	↓	4.75	30
2-Chloronaphthalene	815	U	314	330	38.6	40.5	1	20.0-120			4.95	32
4-Chlorophenyl-phenylether	815	U	345	352	42.3	43.2	1	24.0-120	↓	↓	2.11	29
Chrysene	815	22.3	362	388	41.7	44.8	1	21.0-120			6.87	29
Dibenz(a,h)anthracene	815	U	379	454	46.5	55.7	1	10.0-120			18.0	32
1,2-Dichlorobenzene	815	U	286	292	35.1	35.8	1	10.0-120	↓	↓	2.12	38

L1849446-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849446-06 04/18/25 23:55 • (MS) R4201937-1 04/19/25 00:16 • (MSD) R4201937-2 04/19/25 00:37

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 %
1,3-Dichlorobenzene	815	U	280	288	34.3	35.4	1	10.0-120	J	J	3.02	40
1,4-Dichlorobenzene	815	U	302	312	37.0	38.3	1	10.0-120	J	J	3.20	39
3,3-Dichlorobenzidine	1630	U	820	818	50.2	50.2	1	10.0-120			0.150	34
2,4-Dinitrotoluene	815	U	383	395	47.0	48.5	1	30.0-120	J	J	3.15	31
2,6-Dinitrotoluene	815	U	356	380	43.7	46.7	1	25.0-120	J	J	6.67	31
Fluoranthene	815	40.1	410	431	45.4	47.9	1	18.0-126			4.96	32
Fluorene	815	U	339	346	41.6	42.5	1	25.0-120			2.15	30
Hexachlorobenzene	815	U	339	350	41.6	42.9	1	27.0-120	J	J	3.21	28
Hexachloro-1,3-butadiene	815	U	242	253	29.7	31.0	1	10.0-120	J	J	4.47	38
Hexachlorocyclopentadiene	815	U	U	U	1.70	2.56	1	10.0-120	J J6	J J3 J6	40.3	40
Hexachloroethane	815	U	245	237	30.1	29.1	1	10.0-120	J	J	3.56	40
Indeno(1,2,3-cd)pyrene	815	64.4	445	536	46.8	57.9	1	10.0-120			18.5	32
Isophorone	815	U	249	256	30.6	31.5	1	13.0-120	J	J	2.91	34
1-Methylnaphthalene	815	U	301	307	36.9	37.7	1	10.0-120			2.02	36
2-Methylnaphthalene	815	6.80	301	305	36.1	36.7	1	10.0-120			1.62	37
Naphthalene	815	20.0	305	298	35.0	34.1	1	10.0-120			2.44	35
Nitrobenzene	815	U	244	231	30.0	28.3	1	10.0-120	J	J	5.68	36
n-Nitrosodimethylamine	815	U	307	359	37.7	44.1	1	10.0-127	J	J	15.8	40
n-Nitrosodiphenylamine	815	U	351	363	43.1	44.6	1	17.0-120	J	J	3.44	29
n-Nitrosodi-n-propylamine	815	U	269	258	33.0	31.6	1	10.0-120	J	J	4.20	37
Phenanthrene	815	36.9	357	384	39.3	42.6	1	17.0-120			7.28	31
Benzylbutyl phthalate	815	U	447	436	54.8	53.5	1	23.0-120			2.50	30
Bis(2-ethylhexyl)phthalate	815	U	374	390	45.9	47.9	1	17.0-126	J	J	4.17	30
Di-n-butyl phthalate	815	U	350	361	42.9	44.3	1	30.0-120	J	J	3.11	29
Diethyl phthalate	815	U	355	377	43.5	46.2	1	26.0-120	J	J	6.04	28
Dimethyl phthalate	815	U	342	358	42.0	44.0	1	25.0-120	J	J	4.55	29
Di-n-octyl phthalate	815	U	494	480	60.7	58.9	1	21.0-123			3.02	29
Pyrene	815	34.8	420	413	47.2	46.5	1	16.0-121			1.47	32
1,2,4-Trichlorobenzene	815	U	278	290	34.2	35.5	1	12.0-120	J	J	3.89	37
4-Chloro-3-methylphenol	815	U	293	310	36.0	38.1	1	15.0-120	J	J	5.69	30
2-Chlorophenol	815	U	296	330	36.3	40.5	1	15.0-120	J	J	11.0	37
2,4-Dichlorophenol	815	U	296	312	36.3	38.3	1	20.0-120	J	J	5.25	31
2,4-Dimethylphenol	815	U	254	261	31.2	32.1	1	10.0-120	J	J	2.86	33
4,6-Dinitro-2-methylphenol	815	U	420	447	51.5	54.8	1	10.0-120			6.23	39
2,4-Dinitrophenol	815	U	396	427	48.6	52.4	1	10.0-121	J		7.45	40
2-Nitrophenol	815	U	336	352	41.3	43.2	1	12.0-120	J	J	4.63	39
4-Nitrophenol	815	U	400	416	49.1	51.1	1	10.0-137	J		3.91	32
Pentachlorophenol	815	U	319	325	39.2	39.9	1	10.0-160	J	J	1.90	31
Phenol	815	U	274	302	33.6	37.0	1	12.0-120	J	J	9.81	38

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1849446-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1849446-06 04/18/25 23:55 • (MS) R4201937-1 04/19/25 00:16 • (MSD) R4201937-2 04/19/25 00:37

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 %
2,4,6-Trichlorophenol	815	U	331	355	40.7	43.5	1	19.0-120	J	J	6.80	32
(S) 2-Fluorophenol					41.6	45.9		12.0-120				
(S) Phenol-d5					35.2	39.8		10.0-120				
(S) Nitrobenzene-d5					27.1	24.8		10.0-122				
(S) 2-Fluorobiphenyl					37.7	38.6		15.0-120				
(S) 2,4,6-Tribromophenol					44.3	47.3		10.0-127				
(S) p-Terphenyl-d14					45.2	43.7		10.0-120				

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

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

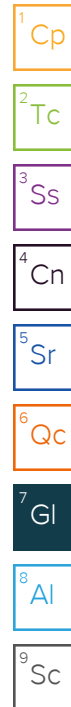
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
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
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C7	The initial calibration verification standard (SSCV) associated with this data responded high.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
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.



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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

