

CTEH - ER

Sample Delivery Group: L1866139
Samples Received: 06/05/2025
Project Number: PROJ-054017
Description: Bishop Loss of Containment Incident

Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Ds
⁶ Sr
⁷ Qc
⁸ Gl
⁹ Al
¹⁰ Sc

SAMPLE SUMMARY

GACO0604T005S001 L1866139-01

Collected by
Collected date/time
Received date/time

06/04/25 10:25 06/05/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2534602	1	06/12/25 12:49	06/12/25 12:49	MAP	Mt. Juliet, TN
Calculated Results	WG2531593	1	06/05/25 14:14	06/08/25 15:34	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2531342	1	06/05/25 09:21	06/05/25 09:39	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2532200	1	06/06/25 06:47	06/08/25 23:33	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2532957	1	06/07/25 10:59	06/08/25 15:34	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2532057	1	06/06/25 08:37	06/07/25 14:49	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536673	1	06/12/25 06:49	06/12/25 07:45	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2536689	1	06/12/25 06:59	06/12/25 13:05	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2531593	1.02	06/05/25 14:14	06/06/25 02:39	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2531991	5	06/05/25 17:32	06/06/25 13:04	DLS	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2534606	1	06/11/25 19:07	06/11/25 22:46	MAP	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533012	1	06/07/25 07:35	06/07/25 09:48	RLS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537266	5	06/12/25 17:46	06/12/25 23:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2531481	25	06/05/25 10:09	06/05/25 12:12	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2531541	1	06/05/25 10:09	06/05/25 14:44	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2531927	1	06/05/25 21:26	06/06/25 11:28	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2531932	2	06/05/25 18:16	06/06/25 01:32	JTO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2531921	1	06/05/25 16:56	06/05/25 22:23	KB	Mt. Juliet, TN



GACO0604T005T001 L1866139-02

Collected by
Collected date/time
Received date/time

06/04/25 07:00 06/05/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2531413	1	06/05/25 12:05	06/05/25 12:05	NCD	Mt. Juliet, TN

GACO0604T005S001 L1866139-03

Collected by
Collected date/time
Received date/time

06/04/25 10:25 06/05/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2532324	1	06/05/25 09:59	06/06/25 09:21	ZRG	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 radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. 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

Project Comments

L1866139-01 - Benzidine is reporting with critically low recovery in the laboratory control samples. This compound is a method defined poor performer. Results are estimated.

Wet Chemistry by Method 4500NOrg D-2021

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Batch	Lab Sample ID	Analytes
WG2532957	(MS) R4227323-7	Kjeldahl Nitrogen, TKN

RPD value not applicable for sample concentrations less than 5 times the reporting limit.

Batch	Lab Sample ID	Analytes
WG2532957	(DUP) R4227323-6	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2532957	(MS) R4227323-7	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2532957	(MS) R4227323-3, (MSD) R4227323-4, L1866139-01	Kjeldahl Nitrogen, TKN

Wet Chemistry by Method 7199

RPD value not applicable for sample concentrations less than 5 times the reporting limit.

Batch	Lab Sample ID	Analytes
WG2532057	(DUP) R4227392-3	Hexavalent Chromium

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

Batch	Lab Sample ID	Analytes
WG2532057	(MS) R4227392-5, (MS) R4227392-7, (MSD) R4227392-6	Hexavalent Chromium

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

Batch	Lab Sample ID	Analytes
WG2532057	(MSD) R4227392-6	Hexavalent Chromium



CASE NARRATIVE

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2533012	(MS) R4227018-5, (MSD) R4227018-6, L1866139-01	Aluminum, Calcium and Iron

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

Batch	Lab Sample ID	Analytes
WG2533012	(MS) R4227018-5, (MSD) R4227018-6, L1866139-01	Antimony, Magnesium, Manganese and Potassium

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

Batch	Lab Sample ID	Analytes
WG2533012	(MSD) R4227018-6, L1866139-01	Aluminum, Iron, Magnesium, Manganese and Potassium

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

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

Batch	Lab Sample ID	Analytes
WG2531413	L1866139-02	2,2-Dichloropropane, Acrolein, Bromomethane and Naphthalene

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2531541	Chloroform	L1866139-01

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

Batch	Lab Sample ID	Analytes
WG2531541	(LCS) R4226395-1, (LCSD) R4226395-2, L1866139-01	2,2-Dichloropropane and 2-Butanone (MEK)

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

Batch	Lab Sample ID	Analytes
WG2531541	(LCSD) R4226395-2, L1866139-01	2-Butanone (MEK)

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

Batch	Lab Sample ID	Analytes
WG2531413	(MSD) R4226270-5	1,1,2-Trichlorotrifluoroethane and n-Butylbenzene

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
WG2531932	L1866139-01	2,2-Oxybis(1-Chloropropane), Hexachlorocyclopentadiene and n-Nitrosodimethylamine

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

Batch	Lab Sample ID	Analytes
WG2531932	L1866139-01	Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2531932	(LCS) R4226405-1, L1866139-01	Benzidine

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

Batch	Lab Sample ID	Analytes
WG2531932	(MS) R4226405-3, (MSD) R4226405-4	Benzidine and Hexachlorocyclopentadiene



DETECTION SUMMARY

Calculated Results

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0604T005S001	L1866139-01	Total Nitrogen	633		22.4	1	06/08/2025 15:34	WG2531593

Radiochemistry by Method DOE Ga-01-R/901.1

Client ID	Lab Sample ID	Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
GACO0604T005S001	L1866139-03	Actinium-228 (Ra-228)	0.860		0.209	0.209	0.339	0.151	06/06/2025 09:21	WG2532324
GACO0604T005S001	L1866139-03	Bismuth-214 (Ra-226)	0.830		0.155	0.155	0.188	0.0851	06/06/2025 09:21	WG2532324
GACO0604T005S001	L1866139-03	Lead-214	0.917		0.158	0.158	0.168	0.0765	06/06/2025 09:21	WG2532324
GACO0604T005S001	L1866139-03	Thorium-234 (U-238)	1.29	J	1.09	1.09	2.14	0.856	06/06/2025 09:21	WG2532324
GACO0604T005S001	L1866139-03	Radium-226 (186 KeV)	1.34		0.668	0.668	1.17	0.551	06/06/2025 09:21	WG2532324

Wet Chemistry by Method 4500NOrg D-2021

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0604T005S001	L1866139-01	Kjeldahl Nitrogen, TKN	632	J6	22.4	1	06/08/2025 15:34	WG2532957

Wet Chemistry by Method 7199

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0604T005S001	L1866139-01	Hexavalent Chromium	0.320		0.224	1	06/07/2025 14:49	WG2532057

Wet Chemistry by Method 9050AMod

Client ID	Lab Sample ID	Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
GACO0604T005S001	L1866139-01	Specific Conductance	225	umhos/cm		10.0	1	06/12/2025 13:05	WG2536689

Wet Chemistry by Method WALKLEY-BLACK

Client ID	Lab Sample ID	Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
GACO0604T005S001	L1866139-01	TOC By Walkley Black	9650		500	5	06/06/2025 13:04	WG2531991

Metals (ICP) by Method 6010B-NE493 Ch 2

Client ID	Lab Sample ID	Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
GACO0604T005S001	L1866139-01	Hot Water Sol. Boron	0.860		0.200	1	06/11/2025 22:46	WG2534606

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

DETECTION SUMMARY

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0604T005S001	L1866139-01	Aluminum	4630	J3 V	22.4	1	06/07/2025 09:48	WG2533012
GACO0604T005S001	L1866139-01	Beryllium	0.532		0.224	1	06/07/2025 09:48	WG2533012
GACO0604T005S001	L1866139-01	Calcium	8200	V	112	1	06/07/2025 09:48	WG2533012
GACO0604T005S001	L1866139-01	Chromium	5.54		1.12	1	06/07/2025 09:48	WG2533012
GACO0604T005S001	L1866139-01	Cobalt	4.49		1.12	1	06/07/2025 09:48	WG2533012
GACO0604T005S001	L1866139-01	Iron	8910	J3 V	11.2	1	06/07/2025 09:48	WG2533012
GACO0604T005S001	L1866139-01	Magnesium	2270	J3 J6	112	1	06/07/2025 09:48	WG2533012
GACO0604T005S001	L1866139-01	Manganese	290	J3 J6	1.12	1	06/07/2025 09:48	WG2533012
GACO0604T005S001	L1866139-01	Potassium	1590	J3 J6	112	1	06/07/2025 09:48	WG2533012
GACO0604T005S001	L1866139-01	Vanadium	15.1		2.24	1	06/07/2025 09:48	WG2533012

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0604T005S001	L1866139-01	Arsenic	1.68		0.112	5	06/12/2025 23:32	WG2537266
GACO0604T005S001	L1866139-01	Barium	68.5		11.2	5	06/12/2025 23:32	WG2537266
GACO0604T005S001	L1866139-01	Cadmium	0.261		0.112	5	06/12/2025 23:32	WG2537266
GACO0604T005S001	L1866139-01	Selenium	0.195		0.112	5	06/12/2025 23:32	WG2537266

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

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0604T005S001	L1866139-01	Chloroform	0.00409	B	0.00310	1	06/05/2025 14:44	WG2531541

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

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0604T005S001	L1866139-01	C28-C36 Motor Oil Range	28.9		4.48	1	06/06/2025 11:28	WG2531927



Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.148		1	06/12/2025 12:49	WG2534602

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	633		22.4	1	06/08/2025 15:34	WG2531593

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.3		1	06/05/2025 09:39	WG2531342

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.2	1	06/08/2025 23:33	WG2532200

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	632	J6	22.4	1	06/08/2025 15:34	WG2532957

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	0.320		0.224	1	06/07/2025 14:49	WG2532057

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.20		1	06/12/2025 07:45	WG2536673

Sample Narrative:

L1866139-01 WG2536673: 8.2 at 21.2C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	225	umhos/cm		10.0	1	06/12/2025 13:05	WG2536689

Sample Narrative:

L1866139-01 WG2536689: at 25C

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		22.9	1.02	06/06/2025 02:39	WG2531593

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	9650		500	5	06/06/2025 13:04	WG2531991

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Metals (ICP) by Method 6010B-NE493 Ch 2

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hot Water Sol. Boron	0.860		0.200	1	06/11/2025 22:46	WG2534606

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	4630	J3 V	22.4	1	06/07/2025 09:48	WG2533012
Antimony	ND	J6	2.24	1	06/07/2025 09:48	WG2533012
Beryllium	0.532		0.224	1	06/07/2025 09:48	WG2533012
Calcium	8200	V	112	1	06/07/2025 09:48	WG2533012
Chromium	5.54		1.12	1	06/07/2025 09:48	WG2533012
Cobalt	4.49		1.12	1	06/07/2025 09:48	WG2533012
Iron	8910	J3 V	11.2	1	06/07/2025 09:48	WG2533012
Magnesium	2270	J3 J6	112	1	06/07/2025 09:48	WG2533012
Manganese	290	J3 J6	1.12	1	06/07/2025 09:48	WG2533012
Potassium	1590	J3 J6	112	1	06/07/2025 09:48	WG2533012
Sodium	ND		112	1	06/07/2025 09:48	WG2533012
Thallium	ND		2.24	1	06/07/2025 09:48	WG2533012
Vanadium	15.1		2.24	1	06/07/2025 09:48	WG2533012

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	1.68		0.112	5	06/12/2025 23:32	WG2537266
Barium	68.5		11.2	5	06/12/2025 23:32	WG2537266
Cadmium	0.261		0.112	5	06/12/2025 23:32	WG2537266
Copper	ND		11.2	5	06/12/2025 23:32	WG2537266
Lead	ND		11.2	5	06/12/2025 23:32	WG2537266
Nickel	ND		11.2	5	06/12/2025 23:32	WG2537266
Selenium	0.195		0.112	5	06/12/2025 23:32	WG2537266
Silver	ND		0.560	5	06/12/2025 23:32	WG2537266
Zinc	ND		56.0	5	06/12/2025 23:32	WG2537266

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		3.10	25	06/05/2025 12:12	WG2531481
(S) a,a,a-Trifluorotoluene(FID)	98.7		77.0-120		06/05/2025 12:12	WG2531481

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0620	1	06/05/2025 14:44	WG2531541
Acrylonitrile	ND		0.0155	1	06/05/2025 14:44	WG2531541
Benzene	ND		0.00124	1	06/05/2025 14:44	WG2531541
Bromobenzene	ND		0.0155	1	06/05/2025 14:44	WG2531541
Bromodichloromethane	ND		0.00310	1	06/05/2025 14:44	WG2531541
Bromoform	ND		0.0310	1	06/05/2025 14:44	WG2531541
Bromomethane	ND		0.0155	1	06/05/2025 14:44	WG2531541
n-Butylbenzene	ND		0.0155	1	06/05/2025 14:44	WG2531541
sec-Butylbenzene	ND		0.0155	1	06/05/2025 14:44	WG2531541
tert-Butylbenzene	ND		0.00620	1	06/05/2025 14:44	WG2531541
Carbon tetrachloride	ND		0.00620	1	06/05/2025 14:44	WG2531541
Chlorobenzene	ND		0.00310	1	06/05/2025 14:44	WG2531541
Chlorodibromomethane	ND		0.00310	1	06/05/2025 14:44	WG2531541

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloroethane	ND		0.00620	1	06/05/2025 14:44	WG2531541
Chloroform	0.00409	B	0.00310	1	06/05/2025 14:44	WG2531541
Chloromethane	ND		0.0155	1	06/05/2025 14:44	WG2531541
2-Chlorotoluene	ND		0.00310	1	06/05/2025 14:44	WG2531541
4-Chlorotoluene	ND		0.00620	1	06/05/2025 14:44	WG2531541
1,2-Dibromo-3-Chloropropane	ND		0.0310	1	06/05/2025 14:44	WG2531541
1,2-Dibromoethane	ND		0.00310	1	06/05/2025 14:44	WG2531541
Dibromomethane	ND		0.00620	1	06/05/2025 14:44	WG2531541
1,2-Dichlorobenzene	ND		0.00620	1	06/05/2025 14:44	WG2531541
1,3-Dichlorobenzene	ND		0.00620	1	06/05/2025 14:44	WG2531541
1,4-Dichlorobenzene	ND		0.00620	1	06/05/2025 14:44	WG2531541
Dichlorodifluoromethane	ND		0.00620	1	06/05/2025 14:44	WG2531541
1,1-Dichloroethane	ND		0.00310	1	06/05/2025 14:44	WG2531541
1,2-Dichloroethane	ND		0.00310	1	06/05/2025 14:44	WG2531541
1,1-Dichloroethene	ND		0.00310	1	06/05/2025 14:44	WG2531541
cis-1,2-Dichloroethene	ND		0.00310	1	06/05/2025 14:44	WG2531541
trans-1,2-Dichloroethene	ND		0.00620	1	06/05/2025 14:44	WG2531541
1,2-Dichloropropane	ND		0.00620	1	06/05/2025 14:44	WG2531541
1,1-Dichloropropene	ND		0.00310	1	06/05/2025 14:44	WG2531541
1,3-Dichloropropane	ND		0.00620	1	06/05/2025 14:44	WG2531541
cis-1,3-Dichloropropene	ND		0.00310	1	06/05/2025 14:44	WG2531541
trans-1,3-Dichloropropene	ND		0.00620	1	06/05/2025 14:44	WG2531541
2,2-Dichloropropane	ND	J4	0.00310	1	06/05/2025 14:44	WG2531541
Di-isopropyl ether	ND		0.00124	1	06/05/2025 14:44	WG2531541
Ethylbenzene	ND		0.0124	1	06/05/2025 14:44	WG2531541
Hexachloro-1,3-butadiene	ND		0.0310	1	06/05/2025 14:44	WG2531541
Isopropylbenzene	ND		0.00310	1	06/05/2025 14:44	WG2531541
p-Isopropyltoluene	ND		0.00620	1	06/05/2025 14:44	WG2531541
2-Butanone (MEK)	ND	J3 J4	0.124	1	06/05/2025 14:44	WG2531541
Methylene Chloride	ND		0.0310	1	06/05/2025 14:44	WG2531541
4-Methyl-2-pentanone (MIBK)	ND		0.0310	1	06/05/2025 14:44	WG2531541
Methyl tert-butyl ether	ND		0.00124	1	06/05/2025 14:44	WG2531541
n-Propylbenzene	ND		0.00620	1	06/05/2025 14:44	WG2531541
Styrene	ND		0.0155	1	06/05/2025 14:44	WG2531541
1,1,1,2-Tetrachloroethane	ND		0.00310	1	06/05/2025 14:44	WG2531541
1,1,2,2-Tetrachloroethane	ND		0.00310	1	06/05/2025 14:44	WG2531541
1,1,2-Trichlorotrifluoroethane	ND		0.00310	1	06/05/2025 14:44	WG2531541
Tetrachloroethene	ND		0.00310	1	06/05/2025 14:44	WG2531541
Toluene	ND		0.0124	1	06/05/2025 14:44	WG2531541
1,2,3-Trichlorobenzene	ND		0.0155	1	06/05/2025 14:44	WG2531541
1,2,4-Trichlorobenzene	ND		0.0155	1	06/05/2025 14:44	WG2531541
1,1,1-Trichloroethane	ND		0.00310	1	06/05/2025 14:44	WG2531541
1,1,2-Trichloroethane	ND		0.00310	1	06/05/2025 14:44	WG2531541
Trichloroethene	ND		0.00124	1	06/05/2025 14:44	WG2531541
Trichlorofluoromethane	ND		0.00310	1	06/05/2025 14:44	WG2531541
1,2,3-Trichloropropane	ND		0.0155	1	06/05/2025 14:44	WG2531541
1,2,3-Trimethylbenzene	ND		0.00620	1	06/05/2025 14:44	WG2531541
1,2,4-Trimethylbenzene	ND		0.00620	1	06/05/2025 14:44	WG2531541
1,3,5-Trimethylbenzene	ND		0.00620	1	06/05/2025 14:44	WG2531541
Vinyl chloride	ND		0.00310	1	06/05/2025 14:44	WG2531541
Xylenes, Total	ND		0.124	1	06/05/2025 14:44	WG2531541
(S) Toluene-d8	99.1		75.0-131		06/05/2025 14:44	WG2531541
(S) 4-Bromofluorobenzene	100		67.0-138		06/05/2025 14:44	WG2531541
(S) 1,2-Dichloroethane-d4	100		70.0-130		06/05/2025 14:44	WG2531541



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.48	1	06/06/2025 11:28	WG2531927
C28-C36 Motor Oil Range	28.9		4.48	1	06/06/2025 11:28	WG2531927
(S) o-Terphenyl	46.0		18.0-148		06/06/2025 11:28	WG2531927

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		0.0746	2	06/06/2025 01:32	WG2531932
Benzidine	ND	J4	3.74	2	06/06/2025 01:32	WG2531932
Benzo(g,h,i)perylene	ND		0.0746	2	06/06/2025 01:32	WG2531932
Bis(2-chlorethoxy)methane	ND		0.746	2	06/06/2025 01:32	WG2531932
Bis(2-chloroethyl)ether	ND		0.746	2	06/06/2025 01:32	WG2531932
2,2-Oxybis(1-Chloropropane)	ND	C3	0.746	2	06/06/2025 01:32	WG2531932
4-Bromophenyl-phenylether	ND		0.746	2	06/06/2025 01:32	WG2531932
2-Chloronaphthalene	ND		0.0746	2	06/06/2025 01:32	WG2531932
4-Chlorophenyl-phenylether	ND		0.746	2	06/06/2025 01:32	WG2531932
1,2-Dichlorobenzene	ND		0.746	2	06/06/2025 01:32	WG2531932
1,3-Dichlorobenzene	ND		0.746	2	06/06/2025 01:32	WG2531932
1,4-Dichlorobenzene	ND		0.746	2	06/06/2025 01:32	WG2531932
3,3-Dichlorobenzidine	ND		0.746	2	06/06/2025 01:32	WG2531932
2,4-Dinitrotoluene	ND		0.746	2	06/06/2025 01:32	WG2531932
2,6-Dinitrotoluene	ND		0.746	2	06/06/2025 01:32	WG2531932
Hexachlorobenzene	ND		0.746	2	06/06/2025 01:32	WG2531932
Hexachloro-1,3-butadiene	ND		0.746	2	06/06/2025 01:32	WG2531932
Hexachlorocyclopentadiene	ND	C3 C7	0.746	2	06/06/2025 01:32	WG2531932
Hexachloroethane	ND		0.746	2	06/06/2025 01:32	WG2531932
Isophorone	ND		0.746	2	06/06/2025 01:32	WG2531932
Nitrobenzene	ND		0.746	2	06/06/2025 01:32	WG2531932
n-Nitrosodimethylamine	ND	C3	0.746	2	06/06/2025 01:32	WG2531932
n-Nitrosodiphenylamine	ND		0.746	2	06/06/2025 01:32	WG2531932
n-Nitrosodi-n-propylamine	ND		0.746	2	06/06/2025 01:32	WG2531932
Phenanthrene	ND		0.0746	2	06/06/2025 01:32	WG2531932
Benzylbutyl phthalate	ND		0.746	2	06/06/2025 01:32	WG2531932
Bis(2-ethylhexyl)phthalate	ND		0.746	2	06/06/2025 01:32	WG2531932
Di-n-butyl phthalate	ND		0.746	2	06/06/2025 01:32	WG2531932
Diethyl phthalate	ND		0.746	2	06/06/2025 01:32	WG2531932
Dimethyl phthalate	ND		0.746	2	06/06/2025 01:32	WG2531932
Di-n-octyl phthalate	ND		0.746	2	06/06/2025 01:32	WG2531932
1,2,4-Trichlorobenzene	ND		0.746	2	06/06/2025 01:32	WG2531932
4-Chloro-3-methylphenol	ND		0.746	2	06/06/2025 01:32	WG2531932
2-Chlorophenol	ND		0.746	2	06/06/2025 01:32	WG2531932
2,4-Dichlorophenol	ND		0.746	2	06/06/2025 01:32	WG2531932
2,4-Dimethylphenol	ND		0.746	2	06/06/2025 01:32	WG2531932
4,6-Dinitro-2-methylphenol	ND		0.746	2	06/06/2025 01:32	WG2531932
2,4-Dinitrophenol	ND		0.746	2	06/06/2025 01:32	WG2531932
2-Nitrophenol	ND		0.746	2	06/06/2025 01:32	WG2531932
4-Nitrophenol	ND		0.746	2	06/06/2025 01:32	WG2531932
Pentachlorophenol	ND		0.746	2	06/06/2025 01:32	WG2531932
Phenol	ND		0.746	2	06/06/2025 01:32	WG2531932
2,4,6-Trichlorophenol	ND		0.746	2	06/06/2025 01:32	WG2531932
(S) 2-Fluorophenol	86.1		12.0-120		06/06/2025 01:32	WG2531932
(S) Phenol-d5	69.9		10.0-120		06/06/2025 01:32	WG2531932
(S) Nitrobenzene-d5	73.1		10.0-122		06/06/2025 01:32	WG2531932
(S) 2-Fluorobiphenyl	73.5		15.0-120		06/06/2025 01:32	WG2531932
(S) 2,4,6-Tribromophenol	92.6		10.0-127		06/06/2025 01:32	WG2531932
(S) p-Terphenyl-d14	79.6		10.0-120		06/06/2025 01:32	WG2531932

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
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Sample Narrative:
L1866139-01 WG2531932: Dilution due to matrix impact during extraction procedure

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0370	1	06/05/2025 22:23	WG2531921
Acenaphthene	ND		0.0370	1	06/05/2025 22:23	WG2531921
Acenaphthylene	ND		0.0370	1	06/05/2025 22:23	WG2531921
Benzo(a)anthracene	ND		0.00672	1	06/05/2025 22:23	WG2531921
Benzo(a)pyrene	ND		0.0370	1	06/05/2025 22:23	WG2531921
Benzo(b)fluoranthene	ND		0.0370	1	06/05/2025 22:23	WG2531921
Benzo(g,h,i)perylene	ND		0.0370	1	06/05/2025 22:23	WG2531921
Benzo(k)fluoranthene	ND		0.0370	1	06/05/2025 22:23	WG2531921
Chrysene	ND		0.0370	1	06/05/2025 22:23	WG2531921
Dibenz(a,h)anthracene	ND		0.0370	1	06/05/2025 22:23	WG2531921
Fluoranthene	ND		0.0370	1	06/05/2025 22:23	WG2531921
Fluorene	ND		0.0370	1	06/05/2025 22:23	WG2531921
Indeno(1,2,3-cd)pyrene	ND		0.0370	1	06/05/2025 22:23	WG2531921
Naphthalene	ND		0.00336	1	06/05/2025 22:23	WG2531921
Phenanthrene	ND		0.0370	1	06/05/2025 22:23	WG2531921
Pyrene	ND		0.0370	1	06/05/2025 22:23	WG2531921
1-Methylnaphthalene	ND		0.00336	1	06/05/2025 22:23	WG2531921
2-Methylnaphthalene	ND		0.0134	1	06/05/2025 22:23	WG2531921
(S) p-Terphenyl-d14	96.6		23.0-120		06/05/2025 22:23	WG2531921
(S) Nitrobenzene-d5	92.9		14.0-149		06/05/2025 22:23	WG2531921
(S) 2-Fluorobiphenyl	101		34.0-125		06/05/2025 22:23	WG2531921

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	06/05/2025 12:05	WG2531413
Acrolein	ND	C3	0.0500	1	06/05/2025 12:05	WG2531413
Acrylonitrile	ND		0.0100	1	06/05/2025 12:05	WG2531413
Benzene	ND		0.00100	1	06/05/2025 12:05	WG2531413
Bromobenzene	ND		0.00100	1	06/05/2025 12:05	WG2531413
Bromodichloromethane	ND		0.00100	1	06/05/2025 12:05	WG2531413
Bromoform	ND		0.00100	1	06/05/2025 12:05	WG2531413
Bromomethane	ND	C3	0.00500	1	06/05/2025 12:05	WG2531413
n-Butylbenzene	ND		0.00100	1	06/05/2025 12:05	WG2531413
sec-Butylbenzene	ND		0.00100	1	06/05/2025 12:05	WG2531413
tert-Butylbenzene	ND		0.00100	1	06/05/2025 12:05	WG2531413
Carbon tetrachloride	ND		0.00100	1	06/05/2025 12:05	WG2531413
Chlorobenzene	ND		0.00100	1	06/05/2025 12:05	WG2531413
Chlorodibromomethane	ND		0.00100	1	06/05/2025 12:05	WG2531413
Chloroethane	ND		0.00500	1	06/05/2025 12:05	WG2531413
Chloroform	ND		0.00500	1	06/05/2025 12:05	WG2531413
Chloromethane	ND		0.00250	1	06/05/2025 12:05	WG2531413
2-Chlorotoluene	ND		0.00100	1	06/05/2025 12:05	WG2531413
4-Chlorotoluene	ND		0.00100	1	06/05/2025 12:05	WG2531413
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	06/05/2025 12:05	WG2531413
1,2-Dibromoethane	ND		0.00100	1	06/05/2025 12:05	WG2531413
Dibromomethane	ND		0.00100	1	06/05/2025 12:05	WG2531413
1,2-Dichlorobenzene	ND		0.00100	1	06/05/2025 12:05	WG2531413
1,3-Dichlorobenzene	ND		0.00100	1	06/05/2025 12:05	WG2531413
1,4-Dichlorobenzene	ND		0.00100	1	06/05/2025 12:05	WG2531413
Dichlorodifluoromethane	ND		0.00500	1	06/05/2025 12:05	WG2531413
1,1-Dichloroethane	ND		0.00100	1	06/05/2025 12:05	WG2531413
1,2-Dichloroethane	ND		0.00100	1	06/05/2025 12:05	WG2531413
1,1-Dichloroethene	ND		0.00100	1	06/05/2025 12:05	WG2531413
cis-1,2-Dichloroethene	ND		0.00100	1	06/05/2025 12:05	WG2531413
trans-1,2-Dichloroethene	ND		0.00100	1	06/05/2025 12:05	WG2531413
1,2-Dichloropropane	ND		0.00100	1	06/05/2025 12:05	WG2531413
1,1-Dichloropropene	ND		0.00100	1	06/05/2025 12:05	WG2531413
1,3-Dichloropropane	ND		0.00100	1	06/05/2025 12:05	WG2531413
cis-1,3-Dichloropropene	ND		0.00100	1	06/05/2025 12:05	WG2531413
trans-1,3-Dichloropropene	ND		0.00100	1	06/05/2025 12:05	WG2531413
2,2-Dichloropropane	ND	C3	0.00100	1	06/05/2025 12:05	WG2531413
Di-isopropyl ether	ND		0.00100	1	06/05/2025 12:05	WG2531413
Ethylbenzene	ND		0.00100	1	06/05/2025 12:05	WG2531413
Hexachloro-1,3-butadiene	ND		0.00100	1	06/05/2025 12:05	WG2531413
Isopropylbenzene	ND		0.00100	1	06/05/2025 12:05	WG2531413
p-Isopropyltoluene	ND		0.00100	1	06/05/2025 12:05	WG2531413
2-Butanone (MEK)	ND		0.0100	1	06/05/2025 12:05	WG2531413
Methylene Chloride	ND		0.00500	1	06/05/2025 12:05	WG2531413
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	06/05/2025 12:05	WG2531413
Methyl tert-butyl ether	ND		0.00100	1	06/05/2025 12:05	WG2531413
Naphthalene	ND	C3	0.00500	1	06/05/2025 12:05	WG2531413
n-Propylbenzene	ND		0.00100	1	06/05/2025 12:05	WG2531413
Styrene	ND		0.00100	1	06/05/2025 12:05	WG2531413
1,1,1,2-Tetrachloroethane	ND		0.00100	1	06/05/2025 12:05	WG2531413
1,1,2,2-Tetrachloroethane	ND		0.00100	1	06/05/2025 12:05	WG2531413
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	06/05/2025 12:05	WG2531413
Tetrachloroethene	ND		0.00100	1	06/05/2025 12:05	WG2531413
Toluene	ND		0.00100	1	06/05/2025 12:05	WG2531413
1,2,3-Trichlorobenzene	ND		0.00100	1	06/05/2025 12:05	WG2531413
1,2,4-Trichlorobenzene	ND		0.00100	1	06/05/2025 12:05	WG2531413

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00100	1	06/05/2025 12:05	WG2531413
1,1,2-Trichloroethane	ND		0.00100	1	06/05/2025 12:05	WG2531413
Trichloroethene	ND		0.00100	1	06/05/2025 12:05	WG2531413
Trichlorofluoromethane	ND		0.00500	1	06/05/2025 12:05	WG2531413
1,2,3-Trichloropropane	ND		0.00250	1	06/05/2025 12:05	WG2531413
1,2,4-Trimethylbenzene	ND		0.00100	1	06/05/2025 12:05	WG2531413
1,2,3-Trimethylbenzene	ND		0.00100	1	06/05/2025 12:05	WG2531413
1,3,5-Trimethylbenzene	ND		0.00100	1	06/05/2025 12:05	WG2531413
Vinyl chloride	ND		0.00100	1	06/05/2025 12:05	WG2531413
Xylenes, Total	ND		0.00300	1	06/05/2025 12:05	WG2531413
(S) Toluene-d8	102		80.0-120		06/05/2025 12:05	WG2531413
(S) 4-Bromofluorobenzene	97.8		77.0-126		06/05/2025 12:05	WG2531413
(S) 1,2-Dichloroethane-d4	105		70.0-130		06/05/2025 12:05	WG2531413

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Radiochemistry by Method DOE Ga-01-R/901.1

Analyte	Result pCi/g	Qualifier	2 sigma CE + / -	TPU + / -	MDA pCi/g	Lc pCi/g	Analysis Date date / time	Batch
Actinium-228 (Ra-228)	0.860		0.209	0.209	0.339	0.151	06/06/2025 09:21	WG2532324
Bismuth-214 (Ra-226)	0.830		0.155	0.155	0.188	0.0851	06/06/2025 09:21	WG2532324
Lead-214	0.917		0.158	0.158	0.168	0.0765	06/06/2025 09:21	WG2532324
Thorium-234 (U-238)	1.29	J	1.09	1.09	2.14	0.856	06/06/2025 09:21	WG2532324
Radium-226 (186 KeV)	1.34		0.668	0.668	1.17	0.551	06/06/2025 09:21	WG2532324

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4226548-1 06/06/25 09:20

Analyte	MB Result pCi/g	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/g	MB Lc pCi/g
Actinium-228 (Ra-228)	0.0289	⌋	0.213	0.535	0.218
Americium-241	0.0849	⌋	0.205	0.381	0.179
Bismuth-214 (Ra-226)	0.0277	⌋	0.166	0.352	0.153
Cesium-137	-0.0315	⌋	0.0826	0.180	0.0770
Cobalt-60	-0.0165	⌋	0.0554	0.178	0.0700
Lead-214	0.119	⌋	0.132	0.280	0.121
Radium-226 (186 KeV)	1.17	⌋	0.826	1.45	0.652
Thorium-234 (U-238)	0.0504	⌋	0.881	2.51	0.993

L1866139-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1866139-03 06/06/25 09:21 • (DUP) R4226548-4 06/06/25 10:12

Analyte	Original Result pCi/g	Original 2 sigma CE + / -	Original MDA pCi/g	Original Lc pCi/g	DUP Result pCi/g	DUP 2 sigma CE + / -	DUP MDA pCi/g	DUP Lc pCi/g	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Actinium-228 (Ra-228)	0.860	0.209	0.339	0.151	1.05	0.364	0.743	0.334	19.9	0.454		20	3
Bismuth-214 (Ra-226)	0.830	0.155	0.188	0.0851	0.916	0.223	0.293	0.130	9.94	0.320		20	3
Lead-214	0.917	0.158	0.168	0.0765	0.868	0.197	0.296	0.135	5.49	0.194		20	3
Radium-226 (186 KeV)	1.34	0.668	1.17	0.551	1.67	1.01	1.79	0.837	22.1	0.273	⌋	20	3
Thorium-234 (U-238)	1.29	1.09	2.14	0.856	1.48	1.65	3.14	1.24	13.9	0.0972	⌋	20	3

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

(LCS) R4226548-2 06/06/25 09:46 • (LCSD) R4226548-3 06/06/25 10:11

Analyte	Spike Amount pCi/g	LCS Result pCi/g	LCSD Result pCi/g	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Americium-241	36.9	36.4	37.0	98.8	100	80.0-120			1.53	20
Cesium-137	53.8	58.6	58.4	109	108	80.0-120			0.445	20
Cobalt-60	62.9	66.5	65.0	106	103	80.0-120			2.19	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4226386-1 06/05/25 09:39

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

L1866139-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1866139-01 06/05/25 09:39 • (DUP) R4226386-3 06/05/25 09:39

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	89.3	89.3	1	0.0189		10

Laboratory Control Sample (LCS)

(LCS) R4226386-2 06/05/25 09:39

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

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4227406-1 06/08/25 23:30

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Ammonia Nitrogen	U		7.19	10.0

L1866141-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1866141-01 06/08/25 23:37 • (DUP) R4227406-5 06/08/25 23:39

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

L1866141-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1866141-02 06/08/25 23:40 • (DUP) R4227406-6 06/08/25 23:42

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

Laboratory Control Sample (LCS)

(LCS) R4227406-2 06/08/25 23:31

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Ammonia Nitrogen	250	274	109	90.0-110	

L1866139-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866139-01 06/08/25 23:33 • (MS) R4227406-3 06/08/25 23:34 • (MSD) R4227406-4 06/08/25 23:36

	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
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Ammonia Nitrogen	280	ND	296	283	106	101	1	90.0-110			4.50	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4227323-1 06/08/25 15:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Kjeldahl Nitrogen, TKN	U		15.2	20.0

L1866141-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1866141-03 06/08/25 15:44 • (DUP) R4227323-5 06/08/25 15:46

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	418	374	10	11.1		20

L1866141-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1866141-05 06/08/25 15:50 • (DUP) R4227323-6 06/08/25 15:52

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	449	706	10	44.5	P1	20

Laboratory Control Sample (LCS)

(LCS) R4227323-2 06/08/25 15:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	624	677	108	81.7-124	

L1866139-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866139-01 06/08/25 15:34 • (MS) R4227323-3 06/08/25 15:36 • (MSD) R4227323-4 06/08/25 15:38

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	448	632	741	642	24.4	2.20	1	81.7-124	J6	J6	14.4	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1866147-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1866147-04 06/08/25 16:11 • (MS) R4227323-7 06/08/25 16:12

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Kjeldahl Nitrogen, TKN	517	575	1900	257	1	81.7-124	<u>E J5</u>

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4227392-1 06/07/25 14:31

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Hexavalent Chromium	U		0.200	0.200

L1866141-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1866141-04 06/07/25 15:25 • (DUP) R4227392-3 06/07/25 15:34

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Hexavalent Chromium	ND	0.273	1	200	P1	20

L1866147-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1866147-06 06/07/25 17:41 • (DUP) R4227392-4 06/07/25 17:50

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4227392-2 06/07/25 14:40

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Hexavalent Chromium	10.0	9.07	90.7	80.0-120	

L1866147-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866147-18 06/07/25 18:53 • (MS) R4227392-5 06/07/25 19:02 • (MSD) R4227392-6 06/07/25 19:11

	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
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Hexavalent Chromium	23.0	ND	4.10	7.46	17.9	32.5	1	75.0-125	J6	J3 J6	58.1	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1866147-18 Original Sample (OS) • Matrix Spike (MS)

(OS) L1866147-18 06/07/25 18:53 • (MS) R4227392-7 06/07/25 19:20

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MS Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>
Analyte	mg/kg	mg/kg	mg/kg	%		%	
Hexavalent Chromium	748	ND	549	73.4	50	75.0-125	<u>J6</u>

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

L1866139-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1866139-01 06/12/25 07:45 • (DUP) R4229245-2 06/12/25 07:45

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	8.20	8.18	1	0.244		1

Sample Narrative:

OS: 8.2 at 21.2C

DUP: 8.18 at 21.2C

L1866147-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1866147-12 06/12/25 07:45 • (DUP) R4229245-3 06/12/25 07:45

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	su	su		%		%
pH	7.87	7.90	1	0.380		1

Sample Narrative:

OS: 7.87 at 21C

DUP: 7.9 at 21.1C

Laboratory Control Sample (LCS)

(LCS) R4229245-1 06/12/25 07:45

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	su	su	%	%	
pH	10.0	10.0	100	99.0-101	

Sample Narrative:

LCS: 10.01 at 21C

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4229353-1 06/12/25 13:05

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

Sample Narrative:

BLANK: at 25C

L1866141-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1866141-01 06/12/25 13:05 • (DUP) R4229353-3 06/12/25 13:05

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	188	187	1	0.267		20

Sample Narrative:

OS: at 25C

DUP: at 25C

L1866147-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1866147-11 06/12/25 13:05 • (DUP) R4229353-4 06/12/25 13:05

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	567	565	1	0.353		20

Sample Narrative:

OS: at 25C

DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4229353-2 06/12/25 13:05

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	575	99.0	90.0-110	

Sample Narrative:

LCS: at 25C



Method Blank (MB)

(MB) R4226431-1 06/06/25 02:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate-Nitrite	U		0.606	20.0

Laboratory Control Sample (LCS)

(LCS) R4226431-2 06/06/25 02:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	42.4	106	80.0-120	

L1866139-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866139-01 06/06/25 02:39 • (MS) R4226431-3 06/06/25 02:51 • (MSD) R4226431-4 06/06/25 03:04

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	44.8	ND	49.5	49.4	108	107	1.02	80.0-120			0.194	15

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4226628-1 06/06/25 13:03

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
TOC By Walkley Black	U		25.5	100

L1866139-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1866139-01 06/06/25 13:04 • (DUP) R4226628-3 06/06/25 13:04

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
TOC By Walkley Black	9650	8960	5	7.37		20

Laboratory Control Sample (LCS)

(LCS) R4226628-2 06/06/25 13:03

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
TOC By Walkley Black	3230	3780	117	75.0-144	

L1866141-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866141-04 06/06/25 13:05 • (MS) R4226628-4 06/06/25 13:05 • (MSD) R4226628-5 06/06/25 13:06

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TOC By Walkley Black	20000	10900	31800	31100	105	101	5	80.0-120			2.21	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4229159-1 06/11/25 22:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hot Water Sol. Boron	U		0.0167	0.200

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

(LCS) R4229159-2 06/11/25 22:43 • (LCSD) R4229159-3 06/11/25 22:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hot Water Sol. Boron	1.00	1.13	1.15	113	115	80.0-120			1.96	20



Method Blank (MB)

(MB) R4227018-1 06/07/25 09:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aluminum	U		6.08	20.0
Antimony	U		0.691	2.00
Beryllium	U		0.0477	0.200
Calcium	U		19.0	100
Chromium	U		0.214	1.00
Cobalt	U		0.177	1.00
Iron	2.40	U	2.24	10.0
Magnesium	U		19.9	100
Manganese	U		0.173	1.00
Potassium	U		20.9	100
Sodium	U		41.2	100
Thallium	U		0.518	2.00
Vanadium	U		0.383	2.00

Laboratory Control Sample (LCS)

(LCS) R4227018-2 06/07/25 09:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000	968	96.8	80.0-120	
Antimony	100	96.9	96.9	80.0-120	
Beryllium	100	97.6	97.6	80.0-120	
Calcium	1000	968	96.8	80.0-120	
Chromium	100	91.4	91.4	80.0-120	
Cobalt	100	90.8	90.8	80.0-120	
Iron	1000	982	98.2	80.0-120	
Magnesium	1000	948	94.8	80.0-120	
Manganese	100	99.8	99.8	80.0-120	
Potassium	1000	965	96.5	80.0-120	
Sodium	1000	976	97.6	80.0-120	
Thallium	100	97.9	97.9	80.0-120	
Vanadium	100	94.1	94.1	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1866139-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866139-01 06/07/25 09:48 • (MS) R4227018-5 06/07/25 09:53 • (MSD) R4227018-6 06/07/25 09:55

	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
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Aluminum	1120	4630	6860	4750	199	9.94	1	75.0-125	V	J3 V	36.4	20
Antimony	112	ND	81.3	80.8	72.6	72.2	1	75.0-125	J6	J6	0.611	20
Beryllium	112	0.532	101	96.3	89.6	85.5	1	75.0-125			4.65	20
Calcium	1120	8200	9670	8550	132	31.0	1	75.0-125	V	V	12.4	20
Chromium	112	5.54	108	99.0	91.3	83.4	1	75.0-125			8.51	20
Cobalt	112	4.49	104	96.3	89.1	82.0	1	75.0-125			7.94	20
Iron	1120	8910	10100	6610	104	0.000	1	75.0-125		J3 V	41.6	20
Magnesium	1120	2270	3510	2870	111	53.5	1	75.0-125		J3 J6	20.2	20
Manganese	112	290	367	286	69.1	0.000	1	75.0-125	J6	J3 J6	24.8	20
Potassium	1120	1590	2730	2180	102	53.0	1	75.0-125		J3 J6	22.1	20
Sodium	1120	ND	1060	1010	88.1	84.2	1	75.0-125			4.27	20
Thallium	112	ND	102	95.4	91.0	85.2	1	75.0-125			6.55	20
Vanadium	112	15.1	111	102	85.7	77.8	1	75.0-125			8.29	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4229701-1 06/12/25 23:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	0.100
Barium	U		10.0	10.0
Cadmium	U		0.100	0.100
Copper	U		10.0	10.0
Lead	U		10.0	10.0
Nickel	U		10.0	10.0
Selenium	U		0.100	0.100
Silver	U		0.500	0.500
Zinc	U		50.0	50.0

Laboratory Control Sample (LCS)

(LCS) R4229701-2 06/12/25 23:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	91.3	91.3	80.0-120	
Barium	100	92.0	92.0	80.0-120	
Cadmium	100	103	103	80.0-120	
Copper	100	97.0	97.0	80.0-120	
Lead	100	90.9	90.9	80.0-120	
Nickel	100	98.1	98.1	80.0-120	
Selenium	100	94.7	94.7	80.0-120	
Silver	20.0	20.4	102	80.0-120	
Zinc	100	93.2	93.2	80.0-120	

L1866141-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866141-02 06/12/25 23:17 • (MS) R4229701-5 06/12/25 23:26 • (MSD) R4229701-6 06/12/25 23:29

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	110	1.42	90.5	93.6	80.8	83.6	5	75.0-125			3.32	20
Barium	110	55.3	156	164	91.5	98.6	5	75.0-125			4.87	20
Cadmium	110	0.141	100	107	90.7	96.8	5	75.0-125			6.51	20
Copper	110	ND	97.2	102	88.2	92.7	5	75.0-125			4.94	20
Lead	110	ND	96.9	104	87.9	94.1	5	75.0-125			6.78	20
Nickel	110	ND	99.1	103	89.9	93.0	5	75.0-125			3.38	20
Selenium	110	0.125	88.0	89.9	79.8	81.4	5	75.0-125			2.04	20
Silver	22.0	ND	21.4	21.9	96.9	99.3	5	75.0-125			2.51	20

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1866141-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866141-02 06/12/25 23:17 • (MS) R4229701-5 06/12/25 23:26 • (MSD) R4229701-6 06/12/25 23:29

	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
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Zinc	110	ND	106	107	96.0	96.8	5	75.0-125			0.808	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4226189-2 06/05/25 10:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		2.00	2.50
(S) a,a,a-Trifluorotoluene(FID)	98.7			77.0-120

Laboratory Control Sample (LCS)

(LCS) R4226189-1 06/05/25 09:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.01	100	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			111	77.0-120	

L1864920-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1864920-01 06/05/25 17:06 • (MS) R4226189-3 06/05/25 20:58 • (MSD) R4226189-4 06/05/25 21:21

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	162	ND	137	152	84.4	93.9	25	10.0-151			10.6	28
(S) a,a,a-Trifluorotoluene(FID)					106	108		77.0-120				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4226270-3 06/05/25 09:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	0.000238	U	0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100

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Method Blank (MB)

(MB) R4226270-3 06/05/25 09:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,2,3-Trimethylbenzene	U		0.000104	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	102			80.0-120
(S) 4-Bromofluorobenzene	90.7			77.0-126
(S) 1,2-Dichloroethane-d4	102			70.0-130

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

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

(LCS) R4226270-1 06/05/25 07:55 • (LCSD) R4226270-2 06/05/25 08:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0224	0.0243	89.6	97.2	19.0-160			8.14	27
Acrolein	0.0250	0.0158	0.0163	63.2	65.2	10.0-160			3.12	26
Acrylonitrile	0.0250	0.0239	0.0230	95.6	92.0	55.0-149			3.84	20
Benzene	0.00500	0.00463	0.00460	92.6	92.0	70.0-123			0.650	20

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

(LCS) R4226270-1 06/05/25 07:55 • (LCSD) R4226270-2 06/05/25 08:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromobenzene	0.00500	0.00421	0.00422	84.2	84.4	73.0-121			0.237	20
Bromodichloromethane	0.00500	0.00440	0.00428	88.0	85.6	75.0-120			2.76	20
Bromoform	0.00500	0.00424	0.00431	84.8	86.2	68.0-132			1.64	20
Bromomethane	0.00500	0.00296	0.00310	59.2	62.0	10.0-160			4.62	25
n-Butylbenzene	0.00500	0.00421	0.00420	84.2	84.0	73.0-125			0.238	20
sec-Butylbenzene	0.00500	0.00433	0.00445	86.6	89.0	75.0-125			2.73	20
tert-Butylbenzene	0.00500	0.00443	0.00454	88.6	90.8	76.0-124			2.45	20
Carbon tetrachloride	0.00500	0.00481	0.00448	96.2	89.6	68.0-126			7.10	20
Chlorobenzene	0.00500	0.00448	0.00451	89.6	90.2	80.0-121			0.667	20
Chlorodibromomethane	0.00500	0.00448	0.00418	89.6	83.6	77.0-125			6.93	20
Chloroethane	0.00500	0.00530	0.00502	106	100	47.0-150			5.43	20
Chloroform	0.00500	0.00478	0.00456	95.6	91.2	73.0-120			4.71	20
Chloromethane	0.00500	0.00417	0.00439	83.4	87.8	41.0-142			5.14	20
2-Chlorotoluene	0.00500	0.00445	0.00456	89.0	91.2	76.0-123			2.44	20
4-Chlorotoluene	0.00500	0.00455	0.00448	91.0	89.6	75.0-122			1.55	20
1,2-Dibromo-3-Chloropropane	0.00500	0.00429	0.00415	85.8	83.0	58.0-134			3.32	20
1,2-Dibromoethane	0.00500	0.00458	0.00443	91.6	88.6	80.0-122			3.33	20
Dibromomethane	0.00500	0.00463	0.00447	92.6	89.4	80.0-120			3.52	20
1,2-Dichlorobenzene	0.00500	0.00447	0.00463	89.4	92.6	79.0-121			3.52	20
1,3-Dichlorobenzene	0.00500	0.00443	0.00455	88.6	91.0	79.0-120			2.67	20
1,4-Dichlorobenzene	0.00500	0.00454	0.00462	90.8	92.4	79.0-120			1.75	20
Dichlorodifluoromethane	0.00500	0.00482	0.00490	96.4	98.0	51.0-149			1.65	20
1,1-Dichloroethane	0.00500	0.00473	0.00455	94.6	91.0	70.0-126			3.88	20
1,2-Dichloroethane	0.00500	0.00461	0.00454	92.2	90.8	70.0-128			1.53	20
1,1-Dichloroethene	0.00500	0.00462	0.00452	92.4	90.4	71.0-124			2.19	20
cis-1,2-Dichloroethene	0.00500	0.00458	0.00431	91.6	86.2	73.0-120			6.07	20
trans-1,2-Dichloroethene	0.00500	0.00462	0.00449	92.4	89.8	73.0-120			2.85	20
1,2-Dichloropropane	0.00500	0.00482	0.00447	96.4	89.4	77.0-125			7.53	20
1,1-Dichloropropene	0.00500	0.00459	0.00455	91.8	91.0	74.0-126			0.875	20
1,3-Dichloropropane	0.00500	0.00456	0.00456	91.2	91.2	80.0-120			0.000	20
cis-1,3-Dichloropropene	0.00500	0.00410	0.00404	82.0	80.8	80.0-123			1.47	20
trans-1,3-Dichloropropene	0.00500	0.00410	0.00417	82.0	83.4	78.0-124			1.69	20
2,2-Dichloropropane	0.00500	0.00389	0.00378	77.8	75.6	58.0-130			2.87	20
Di-isopropyl ether	0.00500	0.00468	0.00451	93.6	90.2	58.0-138			3.70	20
Ethylbenzene	0.00500	0.00458	0.00470	91.6	94.0	79.0-123			2.59	20
Hexachloro-1,3-butadiene	0.00500	0.00454	0.00501	90.8	100	54.0-138			9.84	20
Isopropylbenzene	0.00500	0.00439	0.00447	87.8	89.4	76.0-127			1.81	20
p-Isopropyltoluene	0.00500	0.00441	0.00440	88.2	88.0	76.0-125			0.227	20
2-Butanone (MEK)	0.0250	0.0237	0.0246	94.8	98.4	44.0-160			3.73	20
Methylene Chloride	0.00500	0.00444	0.00440	88.8	88.0	67.0-120			0.905	20

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

(LCS) R4226270-1 06/05/25 07:55 • (LCSD) R4226270-2 06/05/25 08:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.0250	0.0229	0.0228	91.6	91.2	68.0-142			0.438	20
Methyl tert-butyl ether	0.00500	0.00444	0.00428	88.8	85.6	68.0-125			3.67	20
Naphthalene	0.00500	0.00380	0.00398	76.0	79.6	54.0-135			4.63	20
n-Propylbenzene	0.00500	0.00451	0.00462	90.2	92.4	77.0-124			2.41	20
Styrene	0.00500	0.00417	0.00402	83.4	80.4	73.0-130			3.66	20
1,1,1,2-Tetrachloroethane	0.00500	0.00447	0.00451	89.4	90.2	75.0-125			0.891	20
1,1,2,2-Tetrachloroethane	0.00500	0.00412	0.00416	82.4	83.2	65.0-130			0.966	20
1,1,2-Trichlorotrifluoroethane	0.00500	0.00548	0.00515	110	103	69.0-132			6.21	20
Tetrachloroethene	0.00500	0.00491	0.00506	98.2	101	72.0-132			3.01	20
Toluene	0.00500	0.00470	0.00478	94.0	95.6	79.0-120			1.69	20
1,2,3-Trichlorobenzene	0.00500	0.00411	0.00425	82.2	85.0	50.0-138			3.35	20
1,2,4-Trichlorobenzene	0.00500	0.00415	0.00458	83.0	91.6	57.0-137			9.85	20
1,1,1-Trichloroethane	0.00500	0.00472	0.00464	94.4	92.8	73.0-124			1.71	20
1,1,2-Trichloroethane	0.00500	0.00440	0.00452	88.0	90.4	80.0-120			2.69	20
Trichloroethene	0.00500	0.00500	0.00490	100	98.0	78.0-124			2.02	20
Trichlorofluoromethane	0.00500	0.00505	0.00484	101	96.8	59.0-147			4.25	20
1,2,3-Trichloropropane	0.00500	0.00487	0.00487	97.4	97.4	73.0-130			0.000	20
1,2,4-Trimethylbenzene	0.00500	0.00434	0.00450	86.8	90.0	76.0-121			3.62	20
1,2,3-Trimethylbenzene	0.00500	0.00427	0.00430	85.4	86.0	77.0-120			0.700	20
1,3,5-Trimethylbenzene	0.00500	0.00453	0.00446	90.6	89.2	76.0-122			1.56	20
Vinyl chloride	0.00500	0.00435	0.00434	87.0	86.8	67.0-131			0.230	20
Xylenes, Total	0.0150	0.0134	0.0134	89.3	89.3	79.0-123			0.000	20
(S) Toluene-d8				101	99.4	80.0-120				
(S) 4-Bromofluorobenzene				93.1	93.2	77.0-126				
(S) 1,2-Dichloroethane-d4				105	99.6	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

L1866154-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866154-03 06/05/25 16:06 • (MS) R4226270-4 06/05/25 19:24 • (MSD) R4226270-5 06/05/25 19:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acetone	0.0250	ND	ND	ND	65.2	75.6	1	10.0-160			14.8	35
Acrolein	0.0250	ND	ND	ND	117	132	1	10.0-160			11.6	39
Acrylonitrile	0.0250	ND	0.0260	0.0295	104	118	1	21.0-160			12.6	32
Benzene	0.00500	ND	0.00457	0.00526	91.4	105	1	17.0-158			14.0	27
Bromobenzene	0.00500	ND	0.00418	0.00503	83.6	101	1	30.0-149			18.5	28
Bromodichloromethane	0.00500	ND	0.00441	0.00511	88.2	102	1	31.0-150			14.7	27
Bromoform	0.00500	ND	0.00401	0.00479	80.2	95.8	1	29.0-150			17.7	29
Bromomethane	0.00500	ND	ND	ND	43.8	63.8	1	10.0-160			37.2	38

L1866154-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866154-03 06/05/25 16:06 • (MS) R4226270-4 06/05/25 19:24 • (MSD) R4226270-5 06/05/25 19:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	0.00500	ND	0.00342	0.00481	68.4	96.2	1	31.0-150		J3	33.8	30
sec-Butylbenzene	0.00500	ND	0.00421	0.00509	84.2	102	1	33.0-155			18.9	29
tert-Butylbenzene	0.00500	ND	0.00421	0.00509	84.2	102	1	34.0-153			18.9	28
Carbon tetrachloride	0.00500	ND	0.00471	0.00555	94.2	111	1	23.0-159			16.4	28
Chlorobenzene	0.00500	ND	0.00425	0.00526	85.0	105	1	33.0-152			21.2	27
Chlorodibromomethane	0.00500	ND	0.00424	0.00492	84.8	98.4	1	37.0-149			14.8	27
Chloroethane	0.00500	ND	ND	ND	85.4	97.2	1	10.0-160			12.9	30
Chloroform	0.00500	ND	ND	0.00500	86.8	100	1	29.0-154			14.1	28
Chloromethane	0.00500	ND	0.00425	0.00529	85.0	106	1	10.0-160			21.8	29
2-Chlorotoluene	0.00500	ND	0.00444	0.00522	88.8	104	1	32.0-153			16.1	28
4-Chlorotoluene	0.00500	ND	0.00403	0.00507	80.6	101	1	32.0-150			22.9	28
1,2-Dibromo-3-Chloropropane	0.00500	ND	ND	ND	80.0	90.6	1	22.0-151			12.4	34
1,2-Dibromoethane	0.00500	ND	0.00420	0.00507	84.0	101	1	34.0-147			18.8	27
Dibromomethane	0.00500	ND	0.00441	0.00462	88.2	92.4	1	30.0-151			4.65	27
1,2-Dichlorobenzene	0.00500	ND	0.00420	0.00505	84.0	101	1	34.0-149			18.4	28
1,3-Dichlorobenzene	0.00500	ND	0.00402	0.00491	80.4	98.2	1	36.0-146			19.9	27
1,4-Dichlorobenzene	0.00500	ND	0.00411	0.00475	82.2	95.0	1	35.0-142			14.4	27
Dichlorodifluoromethane	0.00500	ND	ND	0.00528	79.6	106	1	10.0-160			28.1	29
1,1-Dichloroethane	0.00500	ND	0.00476	0.00568	95.2	114	1	25.0-158			17.6	27
1,2-Dichloroethane	0.00500	ND	0.00461	0.00529	92.2	106	1	29.0-151			13.7	27
1,1-Dichloroethene	0.00500	ND	0.00442	0.00525	88.4	105	1	11.0-160			17.2	29
cis-1,2-Dichloroethene	0.00500	ND	0.00429	0.00534	85.8	107	1	10.0-160			21.8	27
trans-1,2-Dichloroethene	0.00500	ND	0.00414	0.00501	82.8	100	1	17.0-153			19.0	27
1,2-Dichloropropane	0.00500	ND	0.00478	0.00548	95.6	110	1	30.0-156			13.6	27
1,1-Dichloropropene	0.00500	ND	0.00443	0.00517	88.6	103	1	25.0-158			15.4	27
1,3-Dichloropropane	0.00500	ND	0.00449	0.00535	89.8	107	1	38.0-147			17.5	27
cis-1,3-Dichloropropene	0.00500	ND	0.00390	0.00464	78.0	92.8	1	34.0-149			17.3	28
trans-1,3-Dichloropropene	0.00500	ND	0.00427	0.00495	85.4	99.0	1	32.0-149			14.8	28
2,2-Dichloropropane	0.00500	ND	0.00386	0.00452	77.2	90.4	1	24.0-152			15.8	29
Di-isopropyl ether	0.00500	ND	0.00492	0.00600	98.4	120	1	21.0-160			19.8	28
Ethylbenzene	0.00500	ND	0.00410	0.00522	82.0	104	1	30.0-155			24.0	27
Hexachloro-1,3-butadiene	0.00500	ND	0.00352	0.00495	70.4	99.0	1	20.0-154			33.8	34
Isopropylbenzene	0.00500	ND	0.00407	0.00503	81.4	101	1	28.0-157			21.1	27
p-Isopropyltoluene	0.00500	ND	0.00395	0.00487	79.0	97.4	1	30.0-154			20.9	29
2-Butanone (MEK)	0.0250	ND	0.0235	0.0260	94.0	104	1	10.0-160			10.1	32
Methylene Chloride	0.00500	ND	ND	0.00520	89.0	104	1	23.0-144			15.5	28
4-Methyl-2-pentanone (MIBK)	0.0250	ND	0.0254	0.0290	102	116	1	29.0-160			13.2	29
Methyl tert-butyl ether	0.00500	ND	0.00453	0.00511	90.6	102	1	28.0-150			12.0	29
Naphthalene	0.00500	ND	ND	ND	69.8	83.0	1	12.0-156			17.3	35
n-Propylbenzene	0.00500	ND	0.00416	0.00520	83.2	104	1	31.0-154			22.2	28

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1866154-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866154-03 06/05/25 16:06 • (MS) R4226270-4 06/05/25 19:24 • (MSD) R4226270-5 06/05/25 19:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Styrene	0.00500	ND	0.00373	0.00468	74.6	93.6	1	33.0-155			22.6	28
1,1,1,2-Tetrachloroethane	0.00500	ND	0.00452	0.00505	90.4	101	1	36.0-151			11.1	29
1,1,2,2-Tetrachloroethane	0.00500	ND	0.00444	0.00506	88.8	101	1	33.0-150			13.1	28
1,1,2-Trichlorotrifluoroethane	0.00500	ND	0.00454	0.00618	90.8	124	1	23.0-160		J3	30.6	30
Tetrachloroethene	0.00500	ND	0.00455	0.00549	91.0	110	1	10.0-160			18.7	27
Toluene	0.00500	ND	0.00454	0.00542	90.8	108	1	26.0-154			17.7	28
1,2,3-Trichlorobenzene	0.00500	ND	0.00401	0.00472	80.2	94.4	1	17.0-150			16.3	36
1,2,4-Trichlorobenzene	0.00500	ND	0.00388	0.00465	77.6	93.0	1	24.0-150			18.1	33
1,1,1-Trichloroethane	0.00500	ND	0.00481	0.00567	96.2	113	1	23.0-160			16.4	28
1,1,2-Trichloroethane	0.00500	ND	0.00443	0.00500	88.6	100	1	35.0-147			12.1	27
Trichloroethene	0.00500	ND	0.00425	0.00523	85.0	105	1	10.0-160			20.7	25
Trichlorofluoromethane	0.00500	ND	ND	0.00562	89.2	112	1	17.0-160			23.0	31
1,2,3-Trichloropropane	0.00500	ND	0.00479	0.00518	95.8	104	1	34.0-151			7.82	29
1,2,4-Trimethylbenzene	0.00500	ND	0.00391	0.00487	78.2	97.4	1	26.0-154			21.9	27
1,2,3-Trimethylbenzene	0.00500	ND	0.00424	0.00475	84.8	95.0	1	32.0-149			11.3	28
1,3,5-Trimethylbenzene	0.00500	ND	0.00428	0.00505	85.6	101	1	28.0-153			16.5	27
Vinyl chloride	0.00500	ND	0.00424	0.00487	84.8	97.4	1	10.0-160			13.8	27
Xylenes, Total	0.0150	ND	0.0125	0.0154	83.3	103	1	29.0-154			20.8	28
(S) Toluene-d8					103	101		80.0-120				
(S) 4-Bromofluorobenzene					91.0	89.8		77.0-126				
(S) 1,2-Dichloroethane-d4					108	102		70.0-130				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4226395-3 06/05/25 10:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.00100	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	0.00353		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.0100	0.0100
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4226395-3 06/05/25 10:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.0100	0.0100
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,2,4-Trimethylbenzene	U		0.00500	0.00500
1,3,5-Trimethylbenzene	U		0.00500	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.100	0.100
(S) Toluene-d8	101			75.0-131
(S) 4-Bromofluorobenzene	97.3			67.0-138
(S) 1,2-Dichloroethane-d4	98.5			70.0-130

Cp

Tc

Ss

Cn

Ds

Sr

Qc

Gl

Al

Sc

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

(LCS) R4226395-1 06/05/25 09:04 • (LCSD) R4226395-2 06/05/25 09:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.710	0.877	114	140	10.0-160			21.0	31
Acrylonitrile	0.625	0.858	0.851	137	136	45.0-153			0.819	22
Benzene	0.125	0.132	0.129	106	103	70.0-123			2.30	20
Bromobenzene	0.125	0.120	0.119	96.0	95.2	73.0-121			0.837	20
Bromodichloromethane	0.125	0.140	0.141	112	113	73.0-121			0.712	20
Bromoform	0.125	0.127	0.128	102	102	64.0-132			0.784	20

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

(LCS) R4226395-1 06/05/25 09:04 • (LCSD) R4226395-2 06/05/25 09:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromomethane	0.125	0.121	0.112	96.8	89.6	56.0-147			7.73	20
n-Butylbenzene	0.125	0.121	0.124	96.8	99.2	68.0-135			2.45	20
sec-Butylbenzene	0.125	0.127	0.129	102	103	74.0-130			1.56	20
tert-Butylbenzene	0.125	0.121	0.122	96.8	97.6	75.0-127			0.823	20
Carbon tetrachloride	0.125	0.143	0.139	114	111	66.0-128			2.84	20
Chlorobenzene	0.125	0.122	0.120	97.6	96.0	76.0-128			1.65	20
Chlorodibromomethane	0.125	0.134	0.131	107	105	74.0-127			2.26	20
Chloroethane	0.125	0.143	0.134	114	107	61.0-134			6.50	20
Chloroform	0.125	0.143	0.141	114	113	72.0-123			1.41	20
Chloromethane	0.125	0.117	0.115	93.6	92.0	51.0-138			1.72	20
2-Chlorotoluene	0.125	0.121	0.119	96.8	95.2	75.0-124			1.67	20
4-Chlorotoluene	0.125	0.118	0.117	94.4	93.6	75.0-124			0.851	20
1,2-Dibromo-3-Chloropropane	0.125	0.126	0.132	101	106	59.0-130			4.65	20
1,2-Dibromoethane	0.125	0.126	0.124	101	99.2	74.0-128			1.60	20
Dibromomethane	0.125	0.139	0.134	111	107	75.0-122			3.66	20
1,2-Dichlorobenzene	0.125	0.120	0.121	96.0	96.8	76.0-124			0.830	20
1,3-Dichlorobenzene	0.125	0.116	0.120	92.8	96.0	76.0-125			3.39	20
1,4-Dichlorobenzene	0.125	0.112	0.113	89.6	90.4	77.0-121			0.889	20
Dichlorodifluoromethane	0.125	0.146	0.142	117	114	43.0-156			2.78	20
1,1-Dichloroethane	0.125	0.138	0.134	110	107	70.0-127			2.94	20
1,2-Dichloroethane	0.125	0.130	0.123	104	98.4	65.0-131			5.53	20
1,1-Dichloroethene	0.125	0.144	0.138	115	110	65.0-131			4.26	20
cis-1,2-Dichloroethene	0.125	0.143	0.136	114	109	73.0-125			5.02	20
trans-1,2-Dichloroethene	0.125	0.144	0.133	115	106	71.0-125			7.94	20
1,2-Dichloropropane	0.125	0.137	0.138	110	110	74.0-125			0.727	20
1,1-Dichloropropene	0.125	0.128	0.130	102	104	73.0-125			1.55	20
1,3-Dichloropropane	0.125	0.124	0.123	99.2	98.4	80.0-125			0.810	20
cis-1,3-Dichloropropene	0.125	0.137	0.141	110	113	76.0-127			2.88	20
trans-1,3-Dichloropropene	0.125	0.132	0.130	106	104	73.0-127			1.53	20
2,2-Dichloropropane	0.125	0.179	0.165	143	132	59.0-135	J4		8.14	20
Di-isopropyl ether	0.125	0.137	0.133	110	106	60.0-136			2.96	20
Ethylbenzene	0.125	0.125	0.124	100	99.2	74.0-126			0.803	20
Hexachloro-1,3-butadiene	0.125	0.120	0.129	96.0	103	57.0-150			7.23	20
Isopropylbenzene	0.125	0.122	0.124	97.6	99.2	72.0-127			1.63	20
p-Isopropyltoluene	0.125	0.125	0.128	100	102	72.0-133			2.37	20
2-Butanone (MEK)	0.625	0.802	1.04	128	166	30.0-160		J3 J4	25.8	24
Methylene Chloride	0.125	0.142	0.135	114	108	68.0-123			5.05	20
4-Methyl-2-pentanone (MIBK)	0.625	0.699	0.696	112	111	56.0-143			0.430	20
Methyl tert-butyl ether	0.125	0.155	0.158	124	126	66.0-132			1.92	20
n-Propylbenzene	0.125	0.120	0.120	96.0	96.0	74.0-126			0.000	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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

(LCS) R4226395-1 06/05/25 09:04 • (LCSD) R4226395-2 06/05/25 09:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Styrene	0.125	0.119	0.123	95.2	98.4	72.0-127			3.31	20
1,1,1,2-Tetrachloroethane	0.125	0.128	0.129	102	103	74.0-129			0.778	20
1,1,2,2-Tetrachloroethane	0.125	0.132	0.126	106	101	68.0-128			4.65	20
1,1,2-Trichlorotrifluoroethane	0.125	0.152	0.143	122	114	61.0-139			6.10	20
Tetrachloroethene	0.125	0.123	0.123	98.4	98.4	70.0-136			0.000	20
Toluene	0.125	0.116	0.116	92.8	92.8	75.0-121			0.000	20
1,2,3-Trichlorobenzene	0.125	0.106	0.127	84.8	102	59.0-139			18.0	20
1,2,4-Trichlorobenzene	0.125	0.113	0.129	90.4	103	62.0-137			13.2	20
1,1,1-Trichloroethane	0.125	0.144	0.142	115	114	69.0-126			1.40	20
1,1,2-Trichloroethane	0.125	0.129	0.126	103	101	78.0-123			2.35	20
Trichloroethene	0.125	0.130	0.130	104	104	76.0-126			0.000	20
Trichlorofluoromethane	0.125	0.138	0.133	110	106	61.0-142			3.69	20
1,2,3-Trichloropropane	0.125	0.130	0.134	104	107	67.0-129			3.03	20
1,2,3-Trimethylbenzene	0.125	0.115	0.118	92.0	94.4	74.0-124			2.58	20
1,2,4-Trimethylbenzene	0.125	0.125	0.123	100	98.4	70.0-126			1.61	20
1,3,5-Trimethylbenzene	0.125	0.121	0.120	96.8	96.0	73.0-127			0.830	20
Vinyl chloride	0.125	0.131	0.126	105	101	63.0-134			3.89	20
Xylenes, Total	0.375	0.372	0.372	99.2	99.2	72.0-127			0.000	20
(S) Toluene-d8				95.6	95.9	75.0-131				
(S) 4-Bromofluorobenzene				102	103	67.0-138				
(S) 1,2-Dichloroethane-d4				104	106	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4226822-1 06/06/25 11:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	52.7			18.0-148

Laboratory Control Sample (LCS)

(LCS) R4226822-2 06/06/25 11:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	36.8	73.6	50.0-150	
(S) o-Terphenyl			60.8	18.0-148	

L1866141-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866141-07 06/06/25 14:52 • (MS) R4226822-3 06/06/25 11:41 • (MSD) R4226822-4 06/06/25 11:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	56.7	10.7	48.9	51.3	67.4	72.3	1	50.0-150			4.80	20
(S) o-Terphenyl					52.6	50.9		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Method Blank (MB)

(MB) R4226405-2 06/05/25 23:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthylene	U		0.00567	0.0333
Benzidine	U		0.999	1.67
Benzo(g,h,i)perylene	U		0.00644	0.0333
Bis(2-chlorethoxy)methane	U		0.0361	0.333
Bis(2-chloroethyl)ether	U		0.0629	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0326	0.333
4-Bromophenyl-phenylether	U		0.0475	0.333
2-Chloronaphthalene	U		0.00496	0.0333
4-Chlorophenyl-phenylether	U		0.0475	0.333
1,2-Dichlorobenzene	U		0.0286	0.333
1,3-Dichlorobenzene	U		0.0290	0.333
1,4-Dichlorobenzene	U		0.0286	0.333
3,3-Dichlorobenzidine	U		0.127	0.333
2,4-Dinitrotoluene	U		0.0660	0.333
2,6-Dinitrotoluene	U		0.0628	0.333
Hexachlorobenzene	U		0.0544	0.333
Hexachloro-1,3-butadiene	U		0.0528	0.333
Hexachlorocyclopentadiene	U		0.102	0.333
Hexachloroethane	U		0.0410	0.333
Isophorone	U		0.0419	0.333
Nitrobenzene	U		0.0450	0.333
n-Nitrosodimethylamine	U		0.0782	0.333
n-Nitrosodiphenylamine	U		0.0427	0.333
n-Nitrosodi-n-propylamine	U		0.0528	0.333
Phenanthrene	U		0.00366	0.0333
Benzylbutyl phthalate	U		0.0645	0.333
Bis(2-ethylhexyl)phthalate	U		0.0657	0.333
Di-n-butyl phthalate	U		0.0448	0.333
Diethyl phthalate	U		0.0516	0.333
Dimethyl phthalate	U		0.0447	0.333
Di-n-octyl phthalate	U		0.147	0.333
1,2,4-Trichlorobenzene	U		0.0395	0.333
4-Chloro-3-methylphenol	U		0.0520	0.333
2-Chlorophenol	U		0.0346	0.333
2,4-Dichlorophenol	U		0.0439	0.333
2,4-Dimethylphenol	U		0.0691	0.333
4,6-Dinitro-2-methylphenol	U		0.102	0.333
2,4-Dinitrophenol	U		0.127	0.333
2-Nitrophenol	U		0.0494	0.333
4-Nitrophenol	U		0.106	0.333

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Method Blank (MB)

(MB) R4226405-2 06/05/25 23:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pentachlorophenol	U		0.0623	0.333
Phenol	U		0.0567	0.333
2,4,6-Trichlorophenol	U		0.0796	0.333
(S) 2-Fluorophenol	76.6			12.0-120
(S) Phenol-d5	63.8			10.0-120
(S) Nitrobenzene-d5	63.7			10.0-122
(S) 2-Fluorobiphenyl	69.4			15.0-120
(S) 2,4,6-Tribromophenol	76.9			10.0-127
(S) p-Terphenyl-d14	73.6			10.0-120

Laboratory Control Sample (LCS)

(LCS) R4226405-1 06/05/25 22:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	0.666	0.547	82.1	40.0-120	
Benzidine	1.33	U	0.000	10.0-120	J4
Benzo(g,h,i)perylene	0.666	0.507	76.1	43.0-120	
Bis(2-chlorethoxy)methane	0.666	0.403	60.5	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.489	73.4	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.288	43.2	23.0-120	
4-Bromophenyl-phenylether	0.666	0.600	90.1	40.0-120	
2-Chloronaphthalene	0.666	0.466	70.0	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.540	81.1	40.0-120	
1,2-Dichlorobenzene	0.666	0.444	66.7	32.0-120	
1,3-Dichlorobenzene	0.666	0.436	65.5	30.0-120	
1,4-Dichlorobenzene	0.666	0.444	66.7	31.0-120	
3,3-Dichlorobenzidine	1.33	1.25	94.0	28.0-120	
2,4-Dinitrotoluene	0.666	0.529	79.4	45.0-120	
2,6-Dinitrotoluene	0.666	0.525	78.8	42.0-120	
Hexachlorobenzene	0.666	0.547	82.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.493	74.0	15.0-120	
Hexachlorocyclopentadiene	0.666	0.279	41.9	15.0-120	
Hexachloroethane	0.666	0.433	65.0	17.0-120	
Isophorone	0.666	0.399	59.9	23.0-120	
Nitrobenzene	0.666	0.382	57.4	17.0-120	
n-Nitrosodimethylamine	0.666	0.564	84.7	10.0-125	
n-Nitrosodiphenylamine	0.666	0.488	73.3	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.446	67.0	26.0-120	

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS)

(LCS) R4226405-1 06/05/25 22:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Phenanthrene	0.666	0.478	71.8	42.0-120	
Benzylbutyl phthalate	0.666	0.534	80.2	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.527	79.1	41.0-120	
Di-n-butyl phthalate	0.666	0.501	75.2	43.0-120	
Diethyl phthalate	0.666	0.529	79.4	43.0-120	
Dimethyl phthalate	0.666	0.556	83.5	43.0-120	
Di-n-octyl phthalate	0.666	0.554	83.2	40.0-120	
1,2,4-Trichlorobenzene	0.666	0.473	71.0	17.0-120	
4-Chloro-3-methylphenol	0.666	0.437	65.6	28.0-120	
2-Chlorophenol	0.666	0.454	68.2	28.0-120	
2,4-Dichlorophenol	0.666	0.486	73.0	25.0-120	
2,4-Dimethylphenol	0.666	0.376	56.5	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.488	73.3	16.0-120	
2,4-Dinitrophenol	0.666	0.368	55.3	10.0-120	
2-Nitrophenol	0.666	0.437	65.6	20.0-120	
4-Nitrophenol	0.666	0.458	68.8	27.0-120	
Pentachlorophenol	0.666	0.425	63.8	29.0-120	
Phenol	0.666	0.454	68.2	28.0-120	
2,4,6-Trichlorophenol	0.666	0.570	85.6	37.0-120	
(S) 2-Fluorophenol			93.2	12.0-120	
(S) Phenol-d5			75.8	10.0-120	
(S) Nitrobenzene-d5			55.3	10.0-122	
(S) 2-Fluorobiphenyl			73.9	15.0-120	
(S) 2,4,6-Tribromophenol			92.5	10.0-127	
(S) p-Terphenyl-d14			81.1	10.0-120	

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

L1866141-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866141-05 06/06/25 01:53 • (MS) R4226405-3 06/06/25 02:15 • (MSD) R4226405-4 06/06/25 02:37

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acenaphthylene	0.764	ND	0.253	0.275	33.1	35.7	1	25.0-120			8.35	32
Benzidine	1.53	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	0.764	ND	0.251	0.264	32.8	34.2	1	10.0-120			4.97	33
Bis(2-chlorethoxy)methane	0.764	ND	ND	ND	23.1	24.2	1	10.0-120			5.75	34
Bis(2-chloroethyl)ether	0.764	ND	ND	ND	22.0	26.2	1	10.0-120			18.2	40
2,2-Oxybis(1-Chloropropane)	0.764	ND	ND	ND	14.7	16.3	1	10.0-120			10.9	40
4-Bromophenyl-phenylether	0.764	ND	ND	ND	39.5	41.1	1	27.0-120			4.88	30
2-Chloronaphthalene	0.764	ND	0.211	0.225	27.7	29.2	1	20.0-120			6.38	32

L1866141-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866141-05 06/06/25 01:53 • (MS) R4226405-3 06/06/25 02:15 • (MSD) R4226405-4 06/06/25 02:37

	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
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
4-Chlorophenyl-phenylether	0.764	ND	ND	ND	39.5	41.6	1	24.0-120			5.97	29
1,2-Dichlorobenzene	0.764	ND	ND	ND	22.2	24.4	1	10.0-120			10.4	38
1,3-Dichlorobenzene	0.764	ND	ND	ND	21.7	24.2	1	10.0-120			11.8	40
1,4-Dichlorobenzene	0.764	ND	ND	ND	22.3	25.0	1	10.0-120			12.1	39
3,3-Dichlorobenzidine	1.53	ND	0.535	0.531	34.9	34.4	1	10.0-120			0.871	34
2,4-Dinitrotoluene	0.764	ND	ND	ND	38.0	38.9	1	30.0-120			3.15	31
2,6-Dinitrotoluene	0.764	ND	ND	ND	36.6	38.4	1	25.0-120			5.65	31
Hexachlorobenzene	0.764	ND	ND	ND	37.2	38.9	1	27.0-120			5.17	28
Hexachloro-1,3-butadiene	0.764	ND	ND	ND	27.4	32.7	1	10.0-120			18.6	38
Hexachlorocyclopentadiene	0.764	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.764	ND	ND	ND	20.4	23.5	1	10.0-120			15.2	40
Isophorone	0.764	ND	ND	ND	22.6	24.8	1	13.0-120			10.2	34
Nitrobenzene	0.764	ND	ND	ND	21.9	23.6	1	10.0-120			8.64	36
n-Nitrosodimethylamine	0.764	ND	ND	ND	20.8	23.3	1	10.0-127			12.3	40
n-Nitrosodiphenylamine	0.764	ND	ND	ND	41.2	41.6	1	17.0-120			1.83	29
n-Nitrosodi-n-propylamine	0.764	ND	ND	ND	22.5	26.5	1	10.0-120			17.3	37
Phenanthrene	0.764	ND	0.253	0.267	33.1	34.6	1	17.0-120			5.36	31
Benzylbutyl phthalate	0.764	ND	ND	ND	37.4	39.3	1	23.0-120			5.92	30
Bis(2-ethylhexyl)phthalate	0.764	ND	ND	ND	37.8	38.4	1	17.0-126			2.38	30
Di-n-butyl phthalate	0.764	ND	ND	ND	36.8	37.0	1	30.0-120			1.64	29
Diethyl phthalate	0.764	ND	ND	ND	41.0	42.5	1	26.0-120			4.35	28
Dimethyl phthalate	0.764	ND	ND	ND	36.2	37.7	1	25.0-120			4.92	29
Di-n-octyl phthalate	0.764	ND	ND	ND	46.4	46.7	1	21.0-123			1.63	29
1,2,4-Trichlorobenzene	0.764	ND	ND	ND	28.4	30.1	1	12.0-120			6.72	37
4-Chloro-3-methylphenol	0.764	ND	ND	ND	32.8	33.9	1	15.0-120			4.08	30
2-Chlorophenol	0.764	ND	ND	ND	22.0	24.5	1	15.0-120			11.7	37
2,4-Dichlorophenol	0.764	ND	ND	ND	30.5	30.4	1	20.0-120			0.496	31
2,4-Dimethylphenol	0.764	ND	ND	ND	23.3	27.1	1	10.0-120			16.2	33
4,6-Dinitro-2-methylphenol	0.764	ND	ND	ND	27.2	30.4	1	10.0-120			12.1	39
2,4-Dinitrophenol	0.764	ND	ND	ND	30.4	31.6	1	10.0-121			4.88	40
2-Nitrophenol	0.764	ND	ND	ND	26.4	28.2	1	12.0-120			7.20	39
4-Nitrophenol	0.764	ND	ND	ND	34.5	33.9	1	10.0-137			0.885	32
Pentachlorophenol	0.764	ND	ND	ND	32.7	34.0	1	10.0-160			4.99	31
Phenol	0.764	ND	ND	ND	23.7	26.1	1	12.0-120			10.3	38
2,4,6-Trichlorophenol	0.764	ND	ND	ND	36.5	39.9	1	19.0-120			9.90	32
(S) 2-Fluorophenol					27.4	30.6		12.0-120				
(S) Phenol-d5					25.4	26.8		10.0-120				
(S) Nitrobenzene-d5					22.4	21.4		10.0-122				
(S) 2-Fluorobiphenyl					28.9	30.4		15.0-120				

Cp

Tc

Ss

Cn

Ds

Sr

Qc

Gl

Al

Sc

L1866141-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866141-05 06/06/25 01:53 • (MS) R4226405-3 06/06/25 02:15 • (MSD) R4226405-4 06/06/25 02:37

	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
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) 2,4,6-Tribromophenol					40.7	41.6		10.0-127				
(S) p-Terphenyl-d14					39.5	36.7		10.0-120				

Sample Narrative:
OS: Dilution due to matrix impact during extraction procedure

1

Cp

2

Tc

3

Ss

4

Cn

5

Ds

6

Sr

7

Qc

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Gl

9

Al

10

Sc

Method Blank (MB)

(MB) R4226407-2 06/05/25 22:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.0330	0.0330
Acenaphthene	U		0.0330	0.0330
Acenaphthylene	U		0.0330	0.0330
Benzo(a)anthracene	U		0.00600	0.00600
Benzo(a)pyrene	U		0.0330	0.0330
Benzo(b)fluoranthene	U		0.0330	0.0330
Benzo(g,h,i)perylene	U		0.0330	0.0330
Benzo(k)fluoranthene	U		0.0330	0.0330
Chrysene	U		0.0330	0.0330
Dibenz(a,h)anthracene	U		0.0330	0.0330
Fluoranthene	U		0.0330	0.0330
Fluorene	U		0.0330	0.0330
Indeno(1,2,3-cd)pyrene	U		0.0330	0.0330
Naphthalene	U		0.00300	0.00300
Phenanthrene	U		0.0330	0.0330
Pyrene	U		0.0330	0.0330
1-Methylnaphthalene	U		0.00300	0.00300
2-Methylnaphthalene	U		0.0120	0.0120
(S) p-Terphenyl-d14	104			23.0-120
(S) Nitrobenzene-d5	88.1			14.0-149
(S) 2-Fluorobiphenyl	99.3			34.0-125

1Cp

2Tc

3Ss

4Cn

5Ds

6Sr

7Qc

8Gl

9Al

10Sc

Laboratory Control Sample (LCS)

(LCS) R4226407-1 06/05/25 21:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0849	106	50.0-126	
Acenaphthene	0.0800	0.0759	94.9	50.0-120	
Acenaphthylene	0.0800	0.0823	103	50.0-120	
Benzo(a)anthracene	0.0800	0.0862	108	45.0-120	
Benzo(a)pyrene	0.0800	0.0699	87.4	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0782	97.8	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0786	98.2	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0791	98.9	49.0-125	
Chrysene	0.0800	0.0843	105	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0816	102	47.0-125	
Fluoranthene	0.0800	0.0893	112	49.0-129	
Fluorene	0.0800	0.0862	108	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4226407-1 06/05/25 21:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Indeno(1,2,3-cd)pyrene	0.0800	0.0821	103	46.0-125	
Naphthalene	0.0800	0.0772	96.5	50.0-120	
Phenanthrene	0.0800	0.0834	104	47.0-120	
Pyrene	0.0800	0.0806	101	43.0-123	
1-Methylnaphthalene	0.0800	0.0812	102	51.0-121	
2-Methylnaphthalene	0.0800	0.0798	99.8	50.0-120	
(S) p-Terphenyl-d14			106	23.0-120	
(S) Nitrobenzene-d5			92.7	14.0-149	
(S) 2-Fluorobiphenyl			96.8	34.0-125	

L1866141-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866141-01 06/05/25 22:58 • (MS) R4226407-3 06/05/25 23:15 • (MSD) R4226407-4 06/05/25 23:33

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0855	ND	0.0906	0.0850	106	98.9	1	10.0-145			6.43	30
Acenaphthene	0.0855	ND	0.0794	0.0765	92.9	89.0	1	14.0-127			3.76	27
Acenaphthylene	0.0855	ND	0.0864	0.0837	101	97.3	1	21.0-124			3.19	25
Benzo(a)anthracene	0.0855	0.0113	0.0928	0.0868	95.3	87.9	1	10.0-139			6.65	30
Benzo(a)pyrene	0.0855	ND	0.0891	0.0838	104	97.5	1	10.0-141			6.15	31
Benzo(b)fluoranthene	0.0855	ND	0.0883	0.0837	103	97.3	1	10.0-140			5.43	36
Benzo(g,h,i)perylene	0.0855	ND	0.0863	0.0806	101	93.8	1	10.0-140			6.76	33
Benzo(k)fluoranthene	0.0855	ND	0.0855	0.0807	100	93.9	1	10.0-137			5.74	31
Chrysene	0.0855	ND	0.0938	0.0902	110	105	1	10.0-145			3.89	30
Dibenz(a,h)anthracene	0.0855	ND	0.0877	0.0812	103	94.4	1	10.0-132			7.71	31
Fluoranthene	0.0855	ND	0.0977	0.0933	114	109	1	10.0-153			4.55	33
Fluorene	0.0855	ND	0.0895	0.0846	105	98.5	1	11.0-130			5.61	29
Indeno(1,2,3-cd)pyrene	0.0855	ND	0.0867	0.0817	101	95.1	1	10.0-137			5.93	32
Naphthalene	0.0855	ND	0.0803	0.0769	93.9	89.5	1	10.0-135			4.28	27
Phenanthrene	0.0855	ND	0.0893	0.0865	104	101	1	10.0-144			3.21	31
Pyrene	0.0855	ND	0.0855	0.0826	100	96.1	1	10.0-148			3.49	35
1-Methylnaphthalene	0.0855	ND	0.0844	0.0812	98.7	94.4	1	10.0-142			3.93	28
2-Methylnaphthalene	0.0855	ND	0.0828	0.0793	96.8	92.3	1	10.0-137			4.28	28
(S) p-Terphenyl-d14					99.4	93.6		23.0-120				
(S) Nitrobenzene-d5					94.2	93.2		14.0-149				
(S) 2-Fluorobiphenyl					98.9	95.9		34.0-125				

Cp

Tc

Ss

Cn

Ds

Sr

Qc

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Al

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].
MDA	Minimum Detectable Activity.
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RER	Replicate Error Ratio.
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.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.



GLOSSARY OF TERMS

Qualifier	Description
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.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
U	Below Detectable Limits: Indicates that the analyte was not detected.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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.



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Pace® Location Requested (City/State): Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122					CHAIN-OF-CUSTODY Analytical Request Document <small>Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields</small>										<small>LAB USE ONLY - Affix Workorder/Login Label Here</small>  <small>Scan QR Code for instructions</small>														
Company Name: CTEH, LLC Street Address: 5120 North Shore Drive, North Little Rock, AR 72118					Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman Phone #: E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcnullin@cteh.com; ahenault@cteh.com Cc E-Mail: ecatin@cteh.com; mlinkerman@cteh.com					<div style="text-align: right; font-size: 2em; font-family: cursive;">U866179</div>																			
Customer Project #: PROJ-054017 Project Name: Bishop LOC Site Collection Info/Facility ID (as applicable): Galeton, CO					Invoice to: CTEH Invoice E-mail: ctehap@montrose-env.com Purchase Order # (if applicable): Quote #:																								
Time Zone Collected: [] AK [] PT [X] MT [] CT [] ET County / State origin of sample(s): CO																													
Data Deliverables: [X] Level II [] Level III [] Level IV [] EQUIS [] Other:					Regulatory Program (DW, RCRA, etc.) as applicable: Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [X] Other: 5 Day Date Results Requested:					Reportable [] Yes [] No DW PWSID # or WW Permit # as applicable: Field Filtered (if applicable): [] Yes [] No Analysis:																			
<small>* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)</small>																													
Customer Sample ID		Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Residual Chlorine		<div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <div>VOCs 8260D; TPH- GRO/DRO/ORO 8015D SVOCs 8270E; PAH 8270E SIM</div> <div>Metals 6010D, 6020B, Cr6 7199 Total NITR/N-N/NH3 EPA 350.1, 351.2, 9056A, SW 4500 Norg</div> <div>TOC Walkley Black; pH 9045D/Sat. Paste; EC 9050A Mod</div> <div>SAR USDA 20B; Hot Water Soluble Boron</div> <div>Radionuclides (U, Ra 226, RA 228) 901.1 - Bag</div> <div>VOCs 8260D</div> </div>																		
				Date	Time	Date	Time		Result	Units																			
GAC00604T005S001		SS	G	-	-	6/4/2025	1025	5	-	-	X	X	X	X	X	X	X	-	Sample Comment										
GAC00604T005ST001 GAC00604T005T001 KH 06/07/25		OT	-	-	-	6/4/2025	0700	2	-	-	-	-	-	-	-	-	X	-	Sample Comment										
<div style="font-size: 1.5em; font-family: cursive; opacity: 0.5;">MB</div> <div style="font-size: 1.5em; font-family: cursive; opacity: 0.5;">MB</div> <div style="font-size: 1.5em; font-family: cursive; opacity: 0.5;">MB</div>																													
Additional Instructions from Pace®: VOCs - full list including BTEX, 1,2,4-TMB, 1,3,5-TMB; SVOCs - full list plus PAHs Table 915-1, 1-methylnaphthalene, 2-methylnaphthalene; Metals by 6010D: Al, Sb, Be, Ca, Cr, Co, Fe, Mg, Mn, K, Na, Ti, V; Metals by 6020B: As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn															Collected By: Printed Name: <i>M. Beck</i> Signature: <i>[Signature]</i>					Customer Remarks / Special Conditions / Possible Hazards: # Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [] On Ice									
Relinquished by/Company: (Signature) <i>[Signature]</i> CTEH					Date/Time: 6-4-25 1430					Received by/Company: (Signature) <i>[Signature]</i> Pace					Date/Time: 6-4-25 1430					Tracking Number:									
Relinquished by/Company: (Signature)					Date/Time:					Received by/Company: (Signature) <i>[Signature]</i> Booster					Date/Time: 06/05/2025 0800					Delivered by: [] In-Person [] Courier									
Relinquished by/Company: (Signature)					Date/Time:					Received by/Company: (Signature)					Date/Time:					[] FedEx [] UPS [] Other									
Relinquished by/Company: (Signature)					Date/Time:					Received by/Company: (Signature)					Date/Time:					Page: 1 of 1									

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