ANALYTICAL REPORT

June 13, 2025

Pace Analytical Services, LLC
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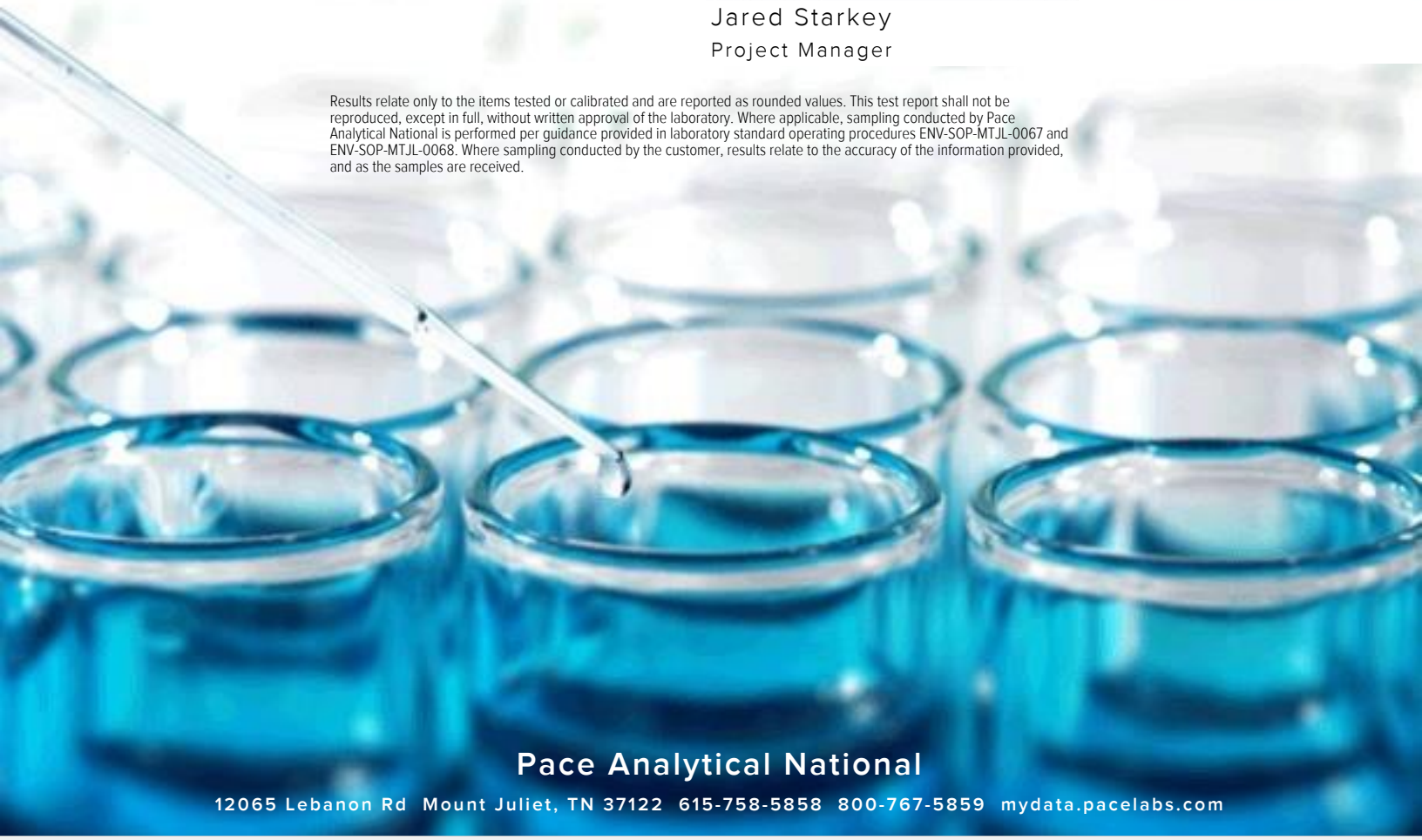
Document is certified

CTEH - ER

Sample Delivery Group:	L1867308
Samples Received:	06/07/2025
Project Number:	PROJ-054017
Description:	Bishop Loss of Containment Incident
Report To:	CTEH
	5120 North Shore Drive
	North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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GACO0606T070-1S001 L1867308-01

Collected by: M Beck
Collected date/time: 06/06/25 11:35
Received date/time: 06/07/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536018	1	06/12/25 08:27	06/12/25 08:27	RLS	Mt. Juliet, TN
Calculated Results	WG2533329	1	06/07/25 16:24	06/10/25 10:19	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2533300	1	06/07/25 15:15	06/07/25 15:27	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533835	1	06/09/25 15:32	06/09/25 22:26	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2533901	5	06/09/25 19:54	06/10/25 10:19	JDW	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533374	1	06/07/25 20:45	06/09/25 23:21	EKB	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG2536694	1	06/12/25 07:06	06/12/25 07:43	RJP	Mt. Juliet, TN
Wet Chemistry by Method 9050AMod	WG2536693	1	06/12/25 14:18	06/12/25 14:42	BJM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2533329	1	06/07/25 16:24	06/07/25 19:50	DLH	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2533332	5	06/07/25 16:02	06/08/25 19:32	ARV	Mt. Juliet, TN
Metals (ICP) by Method 6010B-NE493 Ch 2	WG2536079	1	06/11/25 19:20	06/12/25 09:21	RLS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2533358	1	06/07/25 16:38	06/07/25 20:58	BAG	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2537275	5	06/12/25 16:51	06/12/25 20:42	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2533349	25	06/07/25 14:49	06/07/25 16:57	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533297	1	06/07/25 14:49	06/07/25 16:58	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG2533319	1	06/07/25 15:52	06/08/25 05:46	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533313	2	06/07/25 16:20	06/08/25 03:55	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2533320	1	06/07/25 16:22	06/07/25 20:36	KB	Mt. Juliet, TN

GACO0606T070-1S001 L1867308-02

Collected by: M Beck
Collected date/time: 06/06/25 11:35
Received date/time: 06/07/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method DOE Ga-01-R/901.1	WG2534740	1	06/09/25 08:05	06/10/25 10:42	ZRG	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All 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

L1867308-01 - Benzidine is reporting with critically low recovery in the laboratory control sample(s). 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
WG2533901	(MS) R4228114-4	Kjeldahl Nitrogen, TKN
WG2533901	(MS) R4228114-6	Kjeldahl Nitrogen, TKN
WG2533901	(MSD) R4228114-7	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2533901	(MS) R4228114-6, (MSD) R4228114-7	Kjeldahl Nitrogen, TKN

Wet Chemistry by Method 7199

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

Batch	Lab Sample ID	Analytes
WG2533374	(MS) R4228077-8, (MSD) R4228077-9	Hexavalent Chromium

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

Batch	Lab Sample ID	Analytes
WG2533374	(MSD) R4228077-9	Hexavalent Chromium

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2533358	(MS) R4227166-5, (MSD) R4227166-6	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
WG2533358	(MS) R4227166-5, (MSD) R4227166-6	Antimony, Magnesium, Manganese and Potassium

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2533358	(MSD) R4227166-6	Iron and Manganese

Metals (ICPMS) by Method 6020B

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

Batch	Lab Sample ID	Analytes
WG2537275	(MS) R4229638-5	Barium

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

Batch	Lab Sample ID	Analytes
WG2537275	(MSD) R4229638-6	Zinc

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
WG2533297	L1867308-01	Bromomethane, Chloromethane, Dichlorodifluoromethane and Vinyl chloride

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2533297	Chloroform	L1867308-01

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

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

Batch	Lab Sample ID	Analytes
WG2533313	L1867308-01	Hexachlorocyclopentadiene

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
WG2533313	L1867308-01	n-Nitrosodi-n-propylamine

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

Batch	Lab Sample ID	Analytes
WG2533313	(LCS) R4227244-1, L1867308-01	Benzidine

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

Batch	Lab Sample ID	Analytes
WG2533313	(MS) R4227244-3, (MSD) R4227244-4	2,4-Dinitrophenol, Benzidine and Hexachlorocyclopentadiene

Calculated Results

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
GACO0606T070-1S001	L1867308-01	Total Nitrogen	2450		22.7	1	06/10/2025 10:19	WG2533329

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
GACO0606T070-1S001	L1867308-02	Actinium-228 (Ra-228)	0.783		0.350	0.350	0.775	0.348	06/10/2025 10:42	WG2534740
GACO0606T070-1S001	L1867308-02	Bismuth-214 (Ra-226)	0.752		0.224	0.224	0.323	0.144	06/10/2025 10:42	WG2534740
GACO0606T070-1S001	L1867308-02	Lead-214	0.708		0.193	0.193	0.310	0.141	06/10/2025 10:42	WG2534740
GACO0606T070-1S001	L1867308-02	Thorium-234 (U-238)	0.883	U	1.55	1.55	3.30	1.31	06/10/2025 10:42	WG2534740
GACO0606T070-1S001	L1867308-02	Radium-226 (186 KeV)	1.08	J	0.964	0.964	1.76	0.820	06/10/2025 10:42	WG2534740

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
GACO0606T070-1S001	L1867308-01	Kjeldahl Nitrogen, TKN	2440		113	5	06/10/2025 10:19	WG2533901

Wet Chemistry by Method 9050AMod

Client ID	Lab Sample ID	Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
GACO0606T070-1S001	L1867308-01	Specific Conductance	273	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693

Wet Chemistry by Method WALKLEY-BLACK

Client ID	Lab Sample ID	Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
GACO0606T070-1S001	L1867308-01	TOC By Walkley Black	20500		500	5	06/08/2025 19:32	WG2533332

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
GACO0606T070-1S001	L1867308-01	Hot Water Sol. Boron	0.683		0.200	1	06/12/2025 09:21	WG2536079

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
GACO0606T070-1S001	L1867308-01	Aluminum	7060		22.7	1	06/07/2025 20:58	WG2533358
GACO0606T070-1S001	L1867308-01	Beryllium	0.471		0.227	1	06/07/2025 20:58	WG2533358
GACO0606T070-1S001	L1867308-01	Calcium	2410		113	1	06/07/2025 20:58	WG2533358
GACO0606T070-1S001	L1867308-01	Chromium	7.39		1.13	1	06/07/2025 20:58	WG2533358
GACO0606T070-1S001	L1867308-01	Cobalt	3.62		1.13	1	06/07/2025 20:58	WG2533358

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
GACO0606T070-1S001	L1867308-01	Iron	11000		11.3	1	06/07/2025 20:58	WG2533358
GACO0606T070-1S001	L1867308-01	Magnesium	2090		113	1	06/07/2025 20:58	WG2533358
GACO0606T070-1S001	L1867308-01	Manganese	253		1.13	1	06/07/2025 20:58	WG2533358
GACO0606T070-1S001	L1867308-01	Potassium	2240		113	1	06/07/2025 20:58	WG2533358
GACO0606T070-1S001	L1867308-01	Vanadium	16.5		2.27	1	06/07/2025 20:58	WG2533358

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
GACO0606T070-1S001	L1867308-01	Arsenic	3.09		0.113	5	06/12/2025 20:42	WG2537275
GACO0606T070-1S001	L1867308-01	Barium	66.2		11.3	5	06/12/2025 20:42	WG2537275
GACO0606T070-1S001	L1867308-01	Cadmium	0.274		0.113	5	06/12/2025 20:42	WG2537275
GACO0606T070-1S001	L1867308-01	Selenium	0.334		0.113	5	06/12/2025 20:42	WG2537275

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
GACO0606T070-1S001	L1867308-01	Chloroform	0.00502	B	0.00317	1	06/07/2025 16:58	WG2533297

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
GACO0606T070-1S001	L1867308-01	C10-C28 Diesel Range	14.2		4.54	1	06/08/2025 05:46	WG2533319
GACO0606T070-1S001	L1867308-01	C28-C36 Motor Oil Range	137		4.54	1	06/08/2025 05:46	WG2533319

Calculated Results

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Sodium Adsorption Ratio	0.412		1	06/12/2025 08:27	WG2536018

Calculated Results

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	2450		22.7	1	06/10/2025 10:19	WG2533329

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.1		1	06/07/2025 15:27	WG2533300

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		11.3	1	06/09/2025 22:26	WG2533835

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	2440		113	5	06/10/2025 10:19	WG2533901

Wet Chemistry by Method 7199

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.227	1	06/09/2025 23:21	WG2533374

Wet Chemistry by Method 9045D

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	6.94		1	06/12/2025 07:43	WG2536694

Sample Narrative:

L1867308-01 WG2536694: 6.94 at 21.3C

Wet Chemistry by Method 9050AMod

Analyte	Result	Units	Qualifier	RDL	Dilution	Analysis date / time	Batch
Specific Conductance	273	umhos/cm		10.0	1	06/12/2025 14:42	WG2536693

Sample Narrative:

L1867308-01 WG2536693: 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		22.7	1	06/07/2025 19:50	WG2533329

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	20500		500	5	06/08/2025 19:32	WG2533332

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	0.683		0.200	1	06/12/2025 09:21	WG2536079

Metals (ICP) by Method 6010D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aluminum	7060		22.7	1	06/07/2025 20:58	WG2533358
Antimony	ND		2.27	1	06/07/2025 20:58	WG2533358
Beryllium	0.471		0.227	1	06/07/2025 20:58	WG2533358
Calcium	2410		113	1	06/07/2025 20:58	WG2533358
Chromium	7.39		1.13	1	06/07/2025 20:58	WG2533358
Cobalt	3.62		1.13	1	06/07/2025 20:58	WG2533358
Iron	11000		11.3	1	06/07/2025 20:58	WG2533358
Magnesium	2090		113	1	06/07/2025 20:58	WG2533358
Manganese	253		1.13	1	06/07/2025 20:58	WG2533358
Potassium	2240		113	1	06/07/2025 20:58	WG2533358
Sodium	ND		113	1	06/07/2025 20:58	WG2533358
Thallium	ND		2.27	1	06/07/2025 20:58	WG2533358
Vanadium	16.5		2.27	1	06/07/2025 20:58	WG2533358

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.09		0.113	5	06/12/2025 20:42	WG2537275
Barium	66.2		11.3	5	06/12/2025 20:42	WG2537275
Cadmium	0.274		0.113	5	06/12/2025 20:42	WG2537275
Copper	ND		11.3	5	06/12/2025 20:42	WG2537275
Lead	ND		11.3	5	06/12/2025 20:42	WG2537275
Nickel	ND		11.3	5	06/12/2025 20:42	WG2537275
Selenium	0.334		0.113	5	06/12/2025 20:42	WG2537275
Silver	ND		0.567	5	06/12/2025 20:42	WG2537275
Zinc	ND		56.7	5	06/12/2025 20:42	WG2537275

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		3.17	25	06/07/2025 16:57	WG2533349
(S) a,a,a-Trifluorotoluene(FID)	*105*		*77.0-120*		*06/07/2025 16:57*	WG2533349

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		0.0635	1	06/07/2025 16:58	WG2533297
Acrylonitrile	ND		0.0159	1	06/07/2025 16:58	WG2533297
Benzene	ND		0.00127	1	06/07/2025 16:58	WG2533297
Bromobenzene	ND		0.0159	1	06/07/2025 16:58	WG2533297
Bromodichloromethane	ND		0.00317	1	06/07/2025 16:58	WG2533297
Bromoform	ND		0.0317	1	06/07/2025 16:58	WG2533297
Bromomethane	ND	C3	0.0159	1	06/07/2025 16:58	WG2533297
n-Butylbenzene	ND		0.0159	1	06/07/2025 16:58	WG2533297
sec-Butylbenzene	ND		0.0159	1	06/07/2025 16:58	WG2533297
tert-Butylbenzene	ND		0.00635	1	06/07/2025 16:58	WG2533297
Carbon tetrachloride	ND		0.00635	1	06/07/2025 16:58	WG2533297
Chlorobenzene	ND		0.00317	1	06/07/2025 16:58	WG2533297
Chlorodibromomethane	ND		0.00317	1	06/07/2025 16:58	WG2533297

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		0.00635	1	06/07/2025 16:58	WG2533297
Chloroform	0.00502	B	0.00317	1	06/07/2025 16:58	WG2533297
Chloromethane	ND	C3	0.0159	1	06/07/2025 16:58	WG2533297
2-Chlorotoluene	ND		0.00317	1	06/07/2025 16:58	WG2533297
4-Chlorotoluene	ND		0.00635	1	06/07/2025 16:58	WG2533297
1,2-Dibromo-3-Chloropropane	ND		0.0317	1	06/07/2025 16:58	WG2533297
1,2-Dibromoethane	ND		0.00317	1	06/07/2025 16:58	WG2533297
Dibromomethane	ND		0.00635	1	06/07/2025 16:58	WG2533297
1,2-Dichlorobenzene	ND		0.00635	1	06/07/2025 16:58	WG2533297
1,3-Dichlorobenzene	ND		0.00635	1	06/07/2025 16:58	WG2533297
1,4-Dichlorobenzene	ND		0.00635	1	06/07/2025 16:58	WG2533297
Dichlorodifluoromethane	ND	C3	0.00635	1	06/07/2025 16:58	WG2533297
1,1-Dichloroethane	ND		0.00317	1	06/07/2025 16:58	WG2533297
1,2-Dichloroethane	ND		0.00317	1	06/07/2025 16:58	WG2533297
1,1-Dichloroethene	ND		0.00317	1	06/07/2025 16:58	WG2533297
cis-1,2-Dichloroethene	ND		0.00317	1	06/07/2025 16:58	WG2533297
trans-1,2-Dichloroethene	ND		0.00635	1	06/07/2025 16:58	WG2533297
1,2-Dichloropropane	ND		0.00635	1	06/07/2025 16:58	WG2533297
1,1-Dichloropropene	ND		0.00317	1	06/07/2025 16:58	WG2533297
1,3-Dichloropropane	ND		0.00635	1	06/07/2025 16:58	WG2533297
cis-1,3-Dichloropropene	ND		0.00317	1	06/07/2025 16:58	WG2533297
trans-1,3-Dichloropropene	ND		0.00635	1	06/07/2025 16:58	WG2533297
2,2-Dichloropropane	ND		0.00317	1	06/07/2025 16:58	WG2533297
Di-isopropyl ether	ND		0.00127	1	06/07/2025 16:58	WG2533297
Ethylbenzene	ND		0.0127	1	06/07/2025 16:58	WG2533297
Hexachloro-1,3-butadiene	ND		0.0317	1	06/07/2025 16:58	WG2533297
Isopropylbenzene	ND		0.00317	1	06/07/2025 16:58	WG2533297
p-Isopropyltoluene	ND		0.00635	1	06/07/2025 16:58	WG2533297
2-Butanone (MEK)	ND		0.127	1	06/07/2025 16:58	WG2533297
Methylene Chloride	ND		0.0317	1	06/07/2025 16:58	WG2533297
4-Methyl-2-pentanone (MIBK)	ND		0.0317	1	06/07/2025 16:58	WG2533297
Methyl tert-butyl ether	ND		0.00127	1	06/07/2025 16:58	WG2533297
n-Propylbenzene	ND		0.00635	1	06/07/2025 16:58	WG2533297
Styrene	ND		0.0159	1	06/07/2025 16:58	WG2533297
1,1,1,2-Tetrachloroethane	ND		0.00317	1	06/07/2025 16:58	WG2533297
1,1,2,2-Tetrachloroethane	ND		0.00317	1	06/07/2025 16:58	WG2533297
1,1,2-Trichlorotrifluoroethane	ND		0.00317	1	06/07/2025 16:58	WG2533297
Tetrachloroethene	ND		0.00317	1	06/07/2025 16:58	WG2533297
Toluene	ND		0.0127	1	06/07/2025 16:58	WG2533297
1,2,3-Trichlorobenzene	ND		0.0159	1	06/07/2025 16:58	WG2533297
1,2,4-Trichlorobenzene	ND		0.0159	1	06/07/2025 16:58	WG2533297
1,1,1-Trichloroethane	ND		0.00317	1	06/07/2025 16:58	WG2533297
1,1,2-Trichloroethane	ND		0.00317	1	06/07/2025 16:58	WG2533297
Trichloroethene	ND		0.00127	1	06/07/2025 16:58	WG2533297
Trichlorofluoromethane	ND		0.00317	1	06/07/2025 16:58	WG2533297
1,2,3-Trichloropropane	ND		0.0159	1	06/07/2025 16:58	WG2533297
1,2,3-Trimethylbenzene	ND		0.00635	1	06/07/2025 16:58	WG2533297
1,2,4-Trimethylbenzene	ND		0.00635	1	06/07/2025 16:58	WG2533297
1,3,5-Trimethylbenzene	ND		0.00635	1	06/07/2025 16:58	WG2533297
Vinyl chloride	ND	C3	0.00317	1	06/07/2025 16:58	WG2533297
Xylenes, Total	ND		0.127	1	06/07/2025 16:58	WG2533297
(S) Toluene-d8	*101*		*75.0-131*		*06/07/2025 16:58*	WG2533297
(S) 4-Bromofluorobenzene	*100*		*67.0-138*		*06/07/2025 16:58*	WG2533297
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*06/07/2025 16:58*	WG2533297

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	14.2		4.54	1	06/08/2025 05:46	WG2533319
C28-C36 Motor Oil Range	137		4.54	1	06/08/2025 05:46	WG2533319
(S) o-Terphenyl	*60.5*		*18.0-148*		*06/08/2025 05:46*	WG2533319

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		0.0756	2	06/08/2025 03:55	WG2533313
Benzidine	ND	J4	3.79	2	06/08/2025 03:55	WG2533313
Benzo(g,h,i)perylene	ND		0.0756	2	06/08/2025 03:55	WG2533313
Bis(2-chlorethoxy)methane	ND		0.756	2	06/08/2025 03:55	WG2533313
Bis(2-chloroethyl)ether	ND		0.756	2	06/08/2025 03:55	WG2533313
2,2-Oxybis(1-Chloropropane)	ND		0.756	2	06/08/2025 03:55	WG2533313
4-Bromophenyl-phenylether	ND		0.756	2	06/08/2025 03:55	WG2533313
2-Chloronaphthalene	ND		0.0756	2	06/08/2025 03:55	WG2533313
4-Chlorophenyl-phenylether	ND		0.756	2	06/08/2025 03:55	WG2533313
1,2-Dichlorobenzene	ND		0.756	2	06/08/2025 03:55	WG2533313
1,3-Dichlorobenzene	ND		0.756	2	06/08/2025 03:55	WG2533313
1,4-Dichlorobenzene	ND		0.756	2	06/08/2025 03:55	WG2533313
3,3-Dichlorobenzidine	ND		0.756	2	06/08/2025 03:55	WG2533313
2,4-Dinitrotoluene	ND		0.756	2	06/08/2025 03:55	WG2533313
2,6-Dinitrotoluene	ND		0.756	2	06/08/2025 03:55	WG2533313
Hexachlorobenzene	ND		0.756	2	06/08/2025 03:55	WG2533313
Hexachloro-1,3-butadiene	ND		0.756	2	06/08/2025 03:55	WG2533313
Hexachlorocyclopentadiene	ND	C7	0.756	2	06/08/2025 03:55	WG2533313
Hexachloroethane	ND		0.756	2	06/08/2025 03:55	WG2533313
Isophorone	ND		0.756	2	06/08/2025 03:55	WG2533313
Nitrobenzene	ND		0.756	2	06/08/2025 03:55	WG2533313
n-Nitrosodimethylamine	ND		0.756	2	06/08/2025 03:55	WG2533313
n-Nitrosodiphenylamine	ND		0.756	2	06/08/2025 03:55	WG2533313
n-Nitrosodi-n-propylamine	ND	C3	0.756	2	06/08/2025 03:55	WG2533313
Phenanthrene	ND		0.0756	2	06/08/2025 03:55	WG2533313
Benzylbutyl phthalate	ND		0.756	2	06/08/2025 03:55	WG2533313
Bis(2-ethylhexyl)phthalate	ND		0.756	2	06/08/2025 03:55	WG2533313
Di-n-butyl phthalate	ND		0.756	2	06/08/2025 03:55	WG2533313
Diethyl phthalate	ND		0.756	2	06/08/2025 03:55	WG2533313
Dimethyl phthalate	ND		0.756	2	06/08/2025 03:55	WG2533313
Di-n-octyl phthalate	ND		0.756	2	06/08/2025 03:55	WG2533313
1,2,4-Trichlorobenzene	ND		0.756	2	06/08/2025 03:55	WG2533313
4-Chloro-3-methylphenol	ND		0.756	2	06/08/2025 03:55	WG2533313
2-Chlorophenol	ND		0.756	2	06/08/2025 03:55	WG2533313
2,4-Dichlorophenol	ND		0.756	2	06/08/2025 03:55	WG2533313
2,4-Dimethylphenol	ND		0.756	2	06/08/2025 03:55	WG2533313
4,6-Dinitro-2-methylphenol	ND		0.756	2	06/08/2025 03:55	WG2533313
2,4-Dinitrophenol	ND		0.756	2	06/08/2025 03:55	WG2533313
2-Nitrophenol	ND		0.756	2	06/08/2025 03:55	WG2533313
4-Nitrophenol	ND		0.756	2	06/08/2025 03:55	WG2533313
Pentachlorophenol	ND		0.756	2	06/08/2025 03:55	WG2533313
Phenol	ND		0.756	2	06/08/2025 03:55	WG2533313
2,4,6-Trichlorophenol	ND		0.756	2	06/08/2025 03:55	WG2533313
(S) 2-Fluorophenol	*56.3*		*12.0-120*		*06/08/2025 03:55*	WG2533313
(S) Phenol-d5	*52.1*		*10.0-120*		*06/08/2025 03:55*	WG2533313
(S) Nitrobenzene-d5	*51.1*		*10.0-122*		*06/08/2025 03:55*	WG2533313
(S) 2-Fluorobiphenyl	*64.1*		*15.0-120*		*06/08/2025 03:55*	WG2533313
(S) 2,4,6-Tribromophenol	*75.3*		*10.0-127*		*06/08/2025 03:55*	WG2533313
(S) p-Terphenyl-d14	*70.9*		*10.0-120*		*06/08/2025 03:55*	WG2533313

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

Sample Narrative:

L1867308-01 WG2533313: Dilution due to matrix impact during extract concentration 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		0.0374	1	06/07/2025 20:36	WG2533320
Acenaphthene	ND		0.0374	1	06/07/2025 20:36	WG2533320
Acenaphthylene	ND		0.0374	1	06/07/2025 20:36	WG2533320
Benzo(a)anthracene	ND		0.00681	1	06/07/2025 20:36	WG2533320
Benzo(a)pyrene	ND		0.0374	1	06/07/2025 20:36	WG2533320
Benzo(b)fluoranthene	ND		0.0374	1	06/07/2025 20:36	WG2533320
Benzo(g,h,i)perylene	ND		0.0374	1	06/07/2025 20:36	WG2533320
Benzo(k)fluoranthene	ND		0.0374	1	06/07/2025 20:36	WG2533320
Chrysene	ND		0.0374	1	06/07/2025 20:36	WG2533320
Dibenz(a,h)anthracene	ND		0.0374	1	06/07/2025 20:36	WG2533320
Fluoranthene	ND		0.0374	1	06/07/2025 20:36	WG2533320
Fluorene	ND		0.0374	1	06/07/2025 20:36	WG2533320
Indeno(1,2,3-cd)pyrene	ND		0.0374	1	06/07/2025 20:36	WG2533320
Naphthalene	ND		0.00340	1	06/07/2025 20:36	WG2533320
Phenanthrene	ND		0.0374	1	06/07/2025 20:36	WG2533320
Pyrene	ND		0.0374	1	06/07/2025 20:36	WG2533320
1-Methylnaphthalene	ND		0.00340	1	06/07/2025 20:36	WG2533320
2-Methylnaphthalene	ND		0.0136	1	06/07/2025 20:36	WG2533320
(S) p-Terphenyl-d14	*97.9*		*23.0-120*		*06/07/2025 20:36*	WG2533320
(S) Nitrobenzene-d5	*89.1*		*14.0-149*		*06/07/2025 20:36*	WG2533320
(S) 2-Fluorobiphenyl	*91.3*		*34.0-125*		*06/07/2025 20:36*	WG2533320

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)	0.783		0.350	0.350	0.775	0.348	06/10/2025 10:42	WG2534740
Bismuth-214 (Ra-226)	0.752		0.224	0.224	0.323	0.144	06/10/2025 10:42	WG2534740
Lead-214	0.708		0.193	0.193	0.310	0.141	06/10/2025 10:42	WG2534740
Thorium-234 (U-238)	0.883	U	1.55	1.55	3.30	1.31	06/10/2025 10:42	WG2534740
Radium-226 (186 KeV)	1.08	J	0.964	0.964	1.76	0.820	06/10/2025 10:42	WG2534740

Method Blank (MB)

(MB) R4228175-1 06/10/25 10:36

Analyte	MB Result pCi/g	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/g	MB Lc pCi/g
Actinium-228 (Ra-228)	-0.0869	U	0.226	0.592	0.247
Americium-241	0.0760	U	0.195	0.370	0.173
Bismuth-214 (Ra-226)	0.0221	U	0.156	0.351	0.152
Cesium-137	-0.0349	U	0.0952	0.202	0.0877
Cobalt-60	-0.000373	U	0.0455	0.168	0.0648
Lead-214	-0.0758	U	0.121	0.314	0.138
Radium-226 (186 KeV)	1.26	J	0.801	1.35	0.606
Thorium-234 (U-238)	1.07	U	0.909	2.18	0.853

L1867308-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1867308-02 06/10/25 10:42 • (DUP) R4228175-3 06/10/25 11:29

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)	0.783	0.350	0.775	0.348	0.993	0.245	0.449	0.201	23.7	0.494		20	3
Bismuth-214 (Ra-226)	0.752	0.224	0.323	0.144	0.569	0.157	0.233	0.106	27.7	0.669		20	3
Lead-214	0.708	0.193	0.310	0.141	0.559	0.142	0.240	0.111	23.5	0.623		20	3
Radium-226 (186 KeV)	1.08	0.964	1.76	0.820	0.801	0.809	1.51	0.710	29.8	0.223	J	20	3
Thorium-234 (U-238)	0.883	1.55	3.30	1.31	-0.451	1.34	2.96	1.17	200	0.653	U	20	3

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

(LCS) R4228175-2 06/10/25 10:37 • (LCSD) R4228175-4 06/10/25 11:29

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	32.8	39.3	88.8	106	80.0-120			18.0	20
Cesium-137	53.8	58.0	58.4	108	109	80.0-120			0.756	20
Cobalt-60	62.9	66.9	67.1	106	107	80.0-120			0.388	20

Method Blank (MB)

(MB) R4227229-1 06/07/25 15:27

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

L1867308-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867308-01 06/07/25 15:27 • (DUP) R4227229-3 06/07/25 15:27

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.1	88.5	1	0.404		10

Laboratory Control Sample (LCS)

(LCS) R4227229-2 06/07/25 15:27

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

Method Blank (MB)

(MB) R4227882-1 06/09/25 22:23

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

L1867310-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867310-01 06/09/25 22:27 • (DUP) R4227882-3 06/09/25 22:29

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

L1867315-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1867315-03 06/09/25 23:08 • (DUP) R4227882-6 06/09/25 23:09

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

Laboratory Control Sample (LCS)

(LCS) R4227882-2 06/09/25 22:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	250	246	98.5	90.0-110	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/09/25 22:45 • (MS) R4227882-4 06/09/25 22:47 • (MSD) R4227882-5 06/09/25 22:48

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 %
Ammonia Nitrogen	305	ND	325	327	107	107	1	90.0-110			0.473	20

Method Blank (MB)

(MB) R4228114-1 06/10/25 09:37

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

L1866798-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1866798-09 06/10/25 09:45 • (DUP) R4228114-3 06/10/25 09:47

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	1180	1050	5	11.9		20

L1866798-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1866798-11 06/10/25 09:52 • (DUP) R4228114-5 06/10/25 09:54

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	1390	1240	5	11.5		20

Laboratory Control Sample (LCS)

(LCS) R4228114-2 06/10/25 09:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	624	669	107	81.7-124	

L1866798-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1866798-10 06/10/25 09:49 • (MS) R4228114-4 06/10/25 09:50

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Kjeldahl Nitrogen, TKN	476	873	1300	90.0	1	81.7-124	E

L1866798-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1866798-17 06/10/25 10:02 • (MS) R4228114-6 06/10/25 10:04 • (MSD) R4228114-7 06/10/25 10:06

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	468	1070	1270	1430	42.7	78.3	1	81.7-124	E J6	E J6	12.4	20

QUALITY CONTROL SUMMARY

L1867308-01

Method Blank (MB)

(MB) R4228077-1 06/09/25 23:00

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

L1867308-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867308-01 06/09/25 23:21 • (DUP) R4228077-3 06/09/25 23:31

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

Laboratory Control Sample (LCS)

(LCS) R4228077-2 06/09/25 23:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	10.0	10.2	102	80.0-120	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/10/25 01:37 • (MS) R4228077-8 06/10/25 08:46 • (MSD) R4228077-9 06/10/25 08:57

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 %
Hexavalent Chromium	24.4	ND	14.3	18.0	58.7	73.9	1	75.0-125	J6	J3 J6	23.0	20

L1867312-09 Original Sample (OS) • Matrix Spike (MS)

(OS) L1867312-09 06/10/25 01:37 • (MS) R4228077-4 06/10/25 02:30

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	788	ND	709	90.0	50	75.0-125	

L1866520-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1866520-01 06/12/25 07:43 • (DUP) R4229244-2 06/12/25 07:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.10	8.09	1	0.124		1

Sample Narrative:

OS: 8.1 at 20.4C

DUP: 8.09 at 21C

L1867312-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1867312-19 06/12/25 07:43 • (DUP) R4229244-3 06/12/25 07:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.06	8.07	1	0.124		1

Sample Narrative:

OS: 8.06 at 21.1C

DUP: 8.07 at 21.3C

Laboratory Control Sample (LCS)

(LCS) R4229244-1 06/12/25 07:43

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

Sample Narrative:

LCS: 10.04 at 21.2C

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

Method Blank (MB)

(MB) R4229435-1 06/12/25 14:42

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

L1866520-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1866520-02 06/12/25 14:42 • (DUP) R4229435-3 06/12/25 14:42

Analyte	Original Result mmhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	1320	1	0.000		20

Sample Narrative:
OS: at 25C
DUP: at 25C

L1867312-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1867312-18 06/12/25 14:42 • (DUP) R4229435-4 06/12/25 14:42

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	404	404	1	0.000		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R4229435-2 06/12/25 14:42

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	581	572	98.5	90.0-110	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R4227260-1 06/07/25 19:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrate-Nitrite	0.829	J	0.606	20.0

Laboratory Control Sample (LCS)

(LCS) R4227260-2 06/07/25 19:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40.0	37.4	93.5	80.0-120	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/07/25 22:18 • (MS) R4227260-3 06/07/25 22:34 • (MSD) R4227260-4 06/07/25 22:50

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	48.8	ND	46.6	44.8	93.9	90.3	1	80.0-120			3.87	15

Method Blank (MB)

(MB) R4227358-1 06/08/25 19:32

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

L1867308-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867308-01 06/08/25 19:32 • (DUP) R4227358-3 06/08/25 19:33

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	20500	21300	5	4.28		20

L1867312-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1867312-19 06/08/25 19:39 • (DUP) R4227358-6 06/08/25 19:39

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	14700	15400	5	4.84		20

Laboratory Control Sample (LCS)

(LCS) R4227358-2 06/08/25 19:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC By Walkley Black	3230	3280	102	75.0-144	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/08/25 19:35 • (MS) R4227358-4 06/08/25 19:35 • (MSD) R4227358-5 06/08/25 19:36

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC By Walkley Black	20000	19000	35600	35900	83.0	84.4	5	80.0-120			0.796	20

QUALITY CONTROL SUMMARY

L1867308-01

Method Blank (MB)

(MB) R4229385-1 06/12/25 09:06

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) R4229385-2 06/12/25 09:07 • (LCSD) R4229385-3 06/12/25 09:09

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	1.04	1.03	104	103	80.0-120			0.776	20

Method Blank (MB)

(MB) R4227166-1 06/07/25 20:45

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	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) R4227166-2 06/07/25 20:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000	987	98.7	80.0-120	
Antimony	100	100	100	80.0-120	
Beryllium	100	103	103	80.0-120	
Calcium	1000	1030	103	80.0-120	
Chromium	100	107	107	80.0-120	
Cobalt	100	100	100	80.0-120	
Iron	1000	1040	104	80.0-120	
Magnesium	1000	984	98.4	80.0-120	
Manganese	100	107	107	80.0-120	
Potassium	1000	998	99.8	80.0-120	
Sodium	1000	1030	103	80.0-120	
Thallium	100	103	103	80.0-120	
Vanadium	100	99.7	99.7	80.0-120	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/07/25 20:49 • (MS) R4227166-5 06/07/25 20:54 • (MSD) R4227166-6 06/07/25 20:56

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 %
Aluminum	1220	11300	11400	10700	6.67	0.000	1	75.0-125	V	V	6.60	20
Antimony	122	ND	82.5	85.4	67.6	70.0	1	75.0-125	J6	J6	3.48	20
Beryllium	122	0.688	113	117	92.1	95.0	1	75.0-125			3.09	20
Calcium	1220	9910	7610	7630	0.000	0.000	1	75.0-125	V	V	0.314	20
Chromium	122	11.2	126	129	94.0	96.7	1	75.0-125			2.53	20
Cobalt	122	5.65	120	123	93.5	96.4	1	75.0-125			2.89	20
Iron	1220	14500	12400	17900	0.000	279	1	75.0-125	V	J3 V	36.5	20
Magnesium	1220	4120	4890	4970	63.4	69.7	1	75.0-125	J6	J6	1.56	20
Manganese	122	394	430	535	29.8	115	1	75.0-125	J6	J3	21.6	20
Potassium	1220	3430	4170	4100	60.2	55.0	1	75.0-125	J6	J6	1.54	20
Sodium	1220	509	1600	1660	89.4	94.5	1	75.0-125			3.89	20
Thallium	122	ND	114	118	93.6	96.5	1	75.0-125			3.05	20
Vanadium	122	23.6	127	135	84.6	91.0	1	75.0-125			5.97	20

Method Blank (MB)

(MB) R4229638-1 06/12/25 20:21

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) R4229638-2 06/12/25 20:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	96.9	96.9	80.0-120	
Barium	100	95.7	95.7	80.0-120	
Cadmium	100	103	103	80.0-120	
Copper	100	100	100	80.0-120	
Lead	100	95.7	95.7	80.0-120	
Nickel	100	103	103	80.0-120	
Selenium	100	97.9	97.9	80.0-120	
Silver	20.0	21.4	107	80.0-120	
Zinc	100	96.9	96.9	80.0-120	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/12/25 20:27 • (MS) R4229638-5 06/12/25 20:36 • (MSD) R4229638-6 06/12/25 20:39

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	122	4.38	104	109	81.9	86.1	5	75.0-125			4.87	20
Barium	122	106	191	221	69.5	94.7	5	75.0-125	J6		15.0	20
Cadmium	122	0.364	115	120	93.6	97.8	5	75.0-125			4.36	20
Copper	122	12.9	120	129	88.0	94.8	5	75.0-125			6.62	20
Lead	122	ND	113	118	92.5	96.7	5	75.0-125			4.39	20
Nickel	122	ND	117	125	96.0	103	5	75.0-125			6.88	20
Selenium	122	0.482	108	108	88.2	88.0	5	75.0-125			0.254	20
Silver	24.4	ND	23.1	24.6	94.6	101	5	75.0-125			6.26	20

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/12/25 20:27 • (MS) R4229638-5 06/12/25 20:36 • (MSD) R4229638-6 06/12/25 20:39

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Zinc	122	ND	146	158	120	130	5	75.0-125		J5	7.72	20

Method Blank (MB)

(MB) R4227179-2 06/07/25 16:06

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)	*104*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4227179-1 06/07/25 14:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.75	95.0	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*111*	*77.0-120*	

L1867315-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867315-08 06/07/25 19:43 • (MS) R4227179-3 06/07/25 23:42 • (MSD) R4227179-4 06/08/25 00:06

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 %
TPH (GC/FID) Low Fraction	170	ND	160	164	94.4	96.8	25	10.0-151			2.51	28
(S) a,a,a-Trifluorotoluene(FID)					*111*	*111*		*77.0-120*				

Method Blank (MB)

(MB) R4227242-3 06/07/25 12:44

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	0.00500		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

Method Blank (MB)

(MB) R4227242-3 06/07/25 12:44

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	*99.9*			*75.0-131*
(S) 4-Bromofluorobenzene	*97.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

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

(LCS) R4227242-1 06/07/25 11:07 • (LCSD) R4227242-2 06/07/25 11:26

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	0.691	0.584	111	93.4	10.0-160			16.8	31
Acrylonitrile	0.625	0.644	0.566	103	90.6	45.0-153			12.9	22
Benzene	0.125	0.113	0.120	90.4	96.0	70.0-123			6.01	20
Bromobenzene	0.125	0.116	0.119	92.8	95.2	73.0-121			2.55	20
Bromodichloromethane	0.125	0.111	0.116	88.8	92.8	73.0-121			4.41	20
Bromoform	0.125	0.118	0.115	94.4	92.0	64.0-132			2.58	20

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

(LCS) R4227242-1 06/07/25 11:07 • (LCSD) R4227242-2 06/07/25 11:26

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 %
Bromomethane	0.125	0.0840	0.0968	67.2	77.4	56.0-147			14.2	20
n-Butylbenzene	0.125	0.113	0.121	90.4	96.8	68.0-135			6.84	20
sec-Butylbenzene	0.125	0.113	0.117	90.4	93.6	74.0-130			3.48	20
tert-Butylbenzene	0.125	0.116	0.119	92.8	95.2	75.0-127			2.55	20
Carbon tetrachloride	0.125	0.133	0.135	106	108	66.0-128			1.49	20
Chlorobenzene	0.125	0.116	0.118	92.8	94.4	76.0-128			1.71	20
Chlorodibromomethane	0.125	0.122	0.119	97.6	95.2	74.0-127			2.49	20
Chloroethane	0.125	0.101	0.103	80.8	82.4	61.0-134			1.96	20
Chloroform	0.125	0.116	0.122	92.8	97.6	72.0-123			5.04	20
Chloromethane	0.125	0.0944	0.102	75.5	81.6	51.0-138			7.74	20
2-Chlorotoluene	0.125	0.115	0.108	92.0	86.4	75.0-124			6.28	20
4-Chlorotoluene	0.125	0.114	0.118	91.2	94.4	75.0-124			3.45	20
1,2-Dibromo-3-Chloropropane	0.125	0.110	0.103	88.0	82.4	59.0-130			6.57	20
1,2-Dibromoethane	0.125	0.121	0.120	96.8	96.0	74.0-128			0.830	20
Dibromomethane	0.125	0.123	0.129	98.4	103	75.0-122			4.76	20
1,2-Dichlorobenzene	0.125	0.118	0.121	94.4	96.8	76.0-124			2.51	20
1,3-Dichlorobenzene	0.125	0.112	0.116	89.6	92.8	76.0-125			3.51	20
1,4-Dichlorobenzene	0.125	0.115	0.118	92.0	94.4	77.0-121			2.58	20
Dichlorodifluoromethane	0.125	0.0930	0.0948	74.4	75.8	43.0-156			1.92	20
1,1-Dichloroethane	0.125	0.112	0.117	89.6	93.6	70.0-127			4.37	20
1,2-Dichloroethane	0.125	0.122	0.126	97.6	101	65.0-131			3.23	20
1,1-Dichloroethene	0.125	0.121	0.130	96.8	104	65.0-131			7.17	20
cis-1,2-Dichloroethene	0.125	0.120	0.122	96.0	97.6	73.0-125			1.65	20
trans-1,2-Dichloroethene	0.125	0.115	0.120	92.0	96.0	71.0-125			4.26	20
1,2-Dichloropropane	0.125	0.112	0.114	89.6	91.2	74.0-125			1.77	20
1,1-Dichloropropene	0.125	0.115	0.125	92.0	100	73.0-125			8.33	20
1,3-Dichloropropane	0.125	0.118	0.117	94.4	93.6	80.0-125			0.851	20
cis-1,3-Dichloropropene	0.125	0.115	0.117	92.0	93.6	76.0-127			1.72	20
trans-1,3-Dichloropropene	0.125	0.118	0.119	94.4	95.2	73.0-127			0.844	20
2,2-Dichloropropane	0.125	0.126	0.123	101	98.4	59.0-135			2.41	20
Di-isopropyl ether	0.125	0.127	0.125	102	100	60.0-136			1.59	20
Ethylbenzene	0.125	0.118	0.120	94.4	96.0	74.0-126			1.68	20
Hexachloro-1,3-butadiene	0.125	0.120	0.123	96.0	98.4	57.0-150			2.47	20
Isopropylbenzene	0.125	0.117	0.118	93.6	94.4	72.0-127			0.851	20
p-Isopropyltoluene	0.125	0.112	0.115	89.6	92.0	72.0-133			2.64	20
2-Butanone (MEK)	0.625	0.758	0.627	121	100	30.0-160			18.9	24
Methylene Chloride	0.125	0.111	0.112	88.8	89.6	68.0-123			0.897	20
4-Methyl-2-pentanone (MIBK)	0.625	0.648	0.613	104	98.1	56.0-143			5.55	20
Methyl tert-butyl ether	0.125	0.126	0.119	101	95.2	66.0-132			5.71	20
n-Propylbenzene	0.125	0.117	0.121	93.6	96.8	74.0-126			3.36	20

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

(LCS) R4227242-1 06/07/25 11:07 • (LCSD) R4227242-2 06/07/25 11:26

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 %
Styrene	0.125	0.115	0.114	92.0	91.2	72.0-127			0.873	20
1,1,1,2-Tetrachloroethane	0.125	0.114	0.107	91.2	85.6	74.0-129			6.33	20
1,1,2,2-Tetrachloroethane	0.125	0.114	0.110	91.2	88.0	68.0-128			3.57	20
1,1,2-Trichlorotrifluoroethane	0.125	0.125	0.130	100	104	61.0-139			3.92	20
Tetrachloroethene	0.125	0.129	0.133	103	106	70.0-136			3.05	20
Toluene	0.125	0.117	0.118	93.6	94.4	75.0-121			0.851	20
1,2,3-Trichlorobenzene	0.125	0.124	0.126	99.2	101	59.0-139			1.60	20
1,2,4-Trichlorobenzene	0.125	0.120	0.125	96.0	100	62.0-137			4.08	20
1,1,1-Trichloroethane	0.125	0.130	0.134	104	107	69.0-126			3.03	20
1,1,2-Trichloroethane	0.125	0.116	0.111	92.8	88.8	78.0-123			4.41	20
Trichloroethene	0.125	0.118	0.131	94.4	105	76.0-126			10.4	20
Trichlorofluoromethane	0.125	0.107	0.116	85.6	92.8	61.0-142			8.07	20
1,2,3-Trichloropropane	0.125	0.119	0.114	95.2	91.2	67.0-129			4.29	20
1,2,3-Trimethylbenzene	0.125	0.110	0.112	88.0	89.6	74.0-124			1.80	20
1,2,4-Trimethylbenzene	0.125	0.113	0.118	90.4	94.4	70.0-126			4.33	20
1,3,5-Trimethylbenzene	0.125	0.109	0.115	87.2	92.0	73.0-127			5.36	20
Vinyl chloride	0.125	0.0979	0.105	78.3	84.0	63.0-134			7.00	20
Xylenes, Total	0.375	0.354	0.362	94.4	96.5	72.0-127			2.23	20
(S) Toluene-d8				*99.9*	*97.8*	*75.0-131*				
(S) 4-Bromofluorobenzene				*101*	*98.6*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*109*	*110*	*70.0-130*				

Method Blank (MB)

(MB) R4227514-1 06/07/25 21:55

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	*69.5*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4227514-2 06/07/25 22:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	34.7	69.4	50.0-150	
(S) o-Terphenyl			*33.3*	*18.0-148*	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/07/25 22:38 • (MS) R4227514-3 06/07/25 22:51 • (MSD) R4227514-4 06/07/25 23:05

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	60.0	ND	37.8	37.2	63.0	61.6	1	50.0-150			1.63	20
(S) o-Terphenyl					*70.4*	*65.8*		*18.0-148*				

Method Blank (MB)

(MB) R4227244-2 06/07/25 21:45

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

Method Blank (MB)

(MB) R4227244-2 06/07/25 21:45

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	*76.3*			*12.0-120*
(S) Phenol-d5	*64.6*			*10.0-120*
(S) Nitrobenzene-d5	*67.0*			*10.0-122*
(S) 2-Fluorobiphenyl	*73.9*			*15.0-120*
(S) 2,4,6-Tribromophenol	*101*			*10.0-127*
(S) p-Terphenyl-d14	*84.1*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4227244-1 06/07/25 21:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	0.666	0.455	68.3	40.0-120	
Benzidine	1.33	U	0.000	10.0-120	J4
Benzo(g,h,i)perylene	0.666	0.516	77.5	43.0-120	
Bis(2-chlorethoxy)methane	0.666	0.277	41.6	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.256	38.4	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.296	44.4	23.0-120	
4-Bromophenyl-phenylether	0.666	0.519	77.9	40.0-120	
2-Chloronaphthalene	0.666	0.414	62.2	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.500	75.1	40.0-120	
1,2-Dichlorobenzene	0.666	0.335	50.3	32.0-120	
1,3-Dichlorobenzene	0.666	0.357	53.6	30.0-120	
1,4-Dichlorobenzene	0.666	0.361	54.2	31.0-120	
3,3-Dichlorobenzidine	1.33	1.22	91.7	28.0-120	
2,4-Dinitrotoluene	0.666	0.557	83.6	45.0-120	
2,6-Dinitrotoluene	0.666	0.493	74.0	42.0-120	
Hexachlorobenzene	0.666	0.524	78.7	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.386	58.0	15.0-120	
Hexachlorocyclopentadiene	0.666	0.393	59.0	15.0-120	
Hexachloroethane	0.666	0.323	48.5	17.0-120	
Isophorone	0.666	0.302	45.3	23.0-120	
Nitrobenzene	0.666	0.296	44.4	17.0-120	
n-Nitrosodimethylamine	0.666	0.613	92.0	10.0-125	
n-Nitrosodiphenylamine	0.666	0.477	71.6	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.242	36.3	26.0-120	

Laboratory Control Sample (LCS)

(LCS) R4227244-1 06/07/25 21:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	0.666	0.450	67.6	42.0-120	
Benzylbutyl phthalate	0.666	0.564	84.7	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.528	79.3	41.0-120	
Di-n-butyl phthalate	0.666	0.512	76.9	43.0-120	
Diethyl phthalate	0.666	0.526	79.0	43.0-120	
Dimethyl phthalate	0.666	0.494	74.2	43.0-120	
Di-n-octyl phthalate	0.666	0.507	76.1	40.0-120	
1,2,4-Trichlorobenzene	0.666	0.367	55.1	17.0-120	
4-Chloro-3-methylphenol	0.666	0.342	51.4	28.0-120	
2-Chlorophenol	0.666	0.335	50.3	28.0-120	
2,4-Dichlorophenol	0.666	0.395	59.3	25.0-120	
2,4-Dimethylphenol	0.666	0.341	51.2	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.470	70.6	16.0-120	
2,4-Dinitrophenol	0.666	0.394	59.2	10.0-120	
2-Nitrophenol	0.666	0.360	54.1	20.0-120	
4-Nitrophenol	0.666	0.422	63.4	27.0-120	
Pentachlorophenol	0.666	0.406	61.0	29.0-120	
Phenol	0.666	0.311	46.7	28.0-120	
2,4,6-Trichlorophenol	0.666	0.442	66.4	37.0-120	
(S) 2-Fluorophenol			*66.2*	*12.0-120*	
(S) Phenol-d5			*55.3*	*10.0-120*	
(S) Nitrobenzene-d5			*53.2*	*10.0-122*	
(S) 2-Fluorobiphenyl			*64.6*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*105*	*10.0-127*	
(S) p-Terphenyl-d14			*85.3*	*10.0-120*	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/08/25 01:17 • (MS) R4227244-3 06/08/25 01:38 • (MSD) R4227244-4 06/08/25 01:59

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 %
Acenaphthylene	0.800	ND	0.551	0.510	68.9	63.7	2	25.0-120			7.82	32
Benzidine	1.31	ND	ND	ND	0.000	0.000	2	10.0-120	J6	J6	0.000	40
Benzo(g,h,i)perylene	0.800	ND	0.544	0.545	68.0	68.1	2	10.0-120			0.224	33
Bis(2-chlorethoxy)methane	0.800	ND	ND	ND	44.2	43.4	2	10.0-120			1.74	34
Bis(2-chloroethyl)ether	0.800	ND	ND	ND	52.3	45.4	2	10.0-120			14.0	40
2,2-Oxybis(1-Chloropropane)	0.800	ND	ND	ND	53.2	48.6	2	10.0-120			8.98	40
4-Bromophenyl-phenylether	0.800	ND	ND	ND	70.7	64.3	2	27.0-120			9.48	30
2-Chloronaphthalene	0.800	ND	0.494	0.490	61.7	61.3	2	20.0-120			0.743	32

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/08/25 01:17 • (MS) R4227244-3 06/08/25 01:38 • (MSD) R4227244-4 06/08/25 01:59

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 %
4-Chlorophenyl-phenylether	0.800	ND	ND	ND	72.1	65.5	2	24.0-120			9.52	29
1,2-Dichlorobenzene	0.800	ND	ND	ND	58.4	55.5	2	10.0-120			5.09	38
1,3-Dichlorobenzene	0.800	ND	ND	ND	51.8	47.9	2	10.0-120			7.95	40
1,4-Dichlorobenzene	0.800	ND	ND	ND	59.3	50.6	2	10.0-120			15.8	39
3,3-Dichlorobenzidine	1.60	ND	1.11	1.18	69.5	73.7	2	10.0-120			5.76	34
2,4-Dinitrotoluene	0.800	ND	ND	ND	76.2	72.0	2	30.0-120			5.76	31
2,6-Dinitrotoluene	0.800	ND	ND	ND	70.9	72.3	2	25.0-120			1.92	31
Hexachlorobenzene	0.800	ND	ND	ND	67.5	63.7	2	27.0-120			5.81	28
Hexachloro-1,3-butadiene	0.800	ND	ND	ND	59.5	59.3	2	10.0-120			0.257	38
Hexachlorocyclopentadiene	0.800	ND	ND	ND	0.000	0.000	2	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.800	ND	ND	ND	38.6	34.3	2	10.0-120			11.7	40
Isophorone	0.800	ND	ND	ND	51.8	48.0	2	13.0-120			7.63	34
Nitrobenzene	0.800	ND	ND	ND	49.8	44.7	2	10.0-120			11.0	36
n-Nitrosodimethylamine	0.800	ND	ND	ND	74.7	59.1	2	10.0-127			23.2	40
n-Nitrosodiphenylamine	0.800	ND	ND	ND	65.9	61.7	2	17.0-120			6.45	29
n-Nitrosodi-n-propylamine	0.800	ND	ND	ND	50.5	43.6	2	10.0-120			14.6	37
Phenanthrene	0.800	ND	0.506	0.467	63.3	58.4	2	17.0-120			8.02	31
Benzylbutyl phthalate	0.800	ND	ND	ND	72.7	76.1	2	23.0-120			4.51	30
Bis(2-ethylhexyl)phthalate	0.800	ND	ND	ND	72.7	77.1	2	17.0-126			5.90	30
Di-n-butyl phthalate	0.800	ND	ND	ND	71.2	68.6	2	30.0-120			3.71	29
Diethyl phthalate	0.800	ND	ND	ND	66.6	63.3	2	26.0-120			5.16	28
Dimethyl phthalate	0.800	ND	ND	ND	68.6	66.2	2	25.0-120			3.62	29
Di-n-octyl phthalate	0.800	ND	ND	ND	74.8	75.8	2	21.0-123			1.21	29
1,2,4-Trichlorobenzene	0.800	ND	ND	ND	58.7	55.8	2	12.0-120			5.06	37
4-Chloro-3-methylphenol	0.800	ND	ND	ND	56.6	54.1	2	15.0-120			4.41	30
2-Chlorophenol	0.800	ND	ND	ND	56.6	55.8	2	15.0-120			1.36	37
2,4-Dichlorophenol	0.800	ND	ND	ND	63.4	57.9	2	20.0-120			9.05	31
2,4-Dimethylphenol	0.800	ND	ND	ND	52.4	48.5	2	10.0-120			7.85	33
4,6-Dinitro-2-methylphenol	0.800	ND	ND	ND	51.8	61.3	2	10.0-120			16.7	39
2,4-Dinitrophenol	0.800	ND	ND	ND	0.000	0.000	2	10.0-121	J6	J6	0.000	40
2-Nitrophenol	0.800	ND	ND	ND	66.0	59.8	2	12.0-120			9.94	39
4-Nitrophenol	0.800	ND	ND	ND	70.1	67.5	2	10.0-137			3.77	32
Pentachlorophenol	0.800	ND	ND	ND	59.5	59.5	2	10.0-160			0.000	31
Phenol	0.800	ND	ND	ND	50.6	46.5	2	12.0-120			8.48	38
2,4,6-Trichlorophenol	0.800	ND	ND	ND	65.7	61.9	2	19.0-120			5.97	32
(S) 2-Fluorophenol					*68.0*	*62.3*		*12.0-120*				
(S) Phenol-d5					*57.4*	*54.2*		*10.0-120*				
(S) Nitrobenzene-d5					*53.4*	*44.8*		*10.0-122*				
(S) 2-Fluorobiphenyl					*68.9*	*65.5*		*15.0-120*				

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/08/25 01:17 • (MS) R4227244-3 06/08/25 01:38 • (MSD) R4227244-4 06/08/25 01:59

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) 2,4,6-Tribromophenol					*85.1*	*76.7*		*10.0-127*				
(S) p-Terphenyl-d14					*68.6*	*74.4*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure

Method Blank (MB)

(MB) R4227419-2 06/07/25 20:18

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	*112*			*23.0-120*
(S) Nitrobenzene-d5	*97.1*			*14.0-149*
(S) 2-Fluorobiphenyl	*102*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R4227419-1 06/07/25 20:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0685	85.6	50.0-126	
Acenaphthene	0.0800	0.0656	82.0	50.0-120	
Acenaphthylene	0.0800	0.0660	82.5	50.0-120	
Benzo(a)anthracene	0.0800	0.0706	88.3	45.0-120	
Benzo(a)pyrene	0.0800	0.0611	76.4	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0770	96.3	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0813	102	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0762	95.3	49.0-125	
Chrysene	0.0800	0.0748	93.5	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0841	105	47.0-125	
Fluoranthene	0.0800	0.0741	92.6	49.0-129	
Fluorene	0.0800	0.0726	90.8	49.0-120	

Laboratory Control Sample (LCS)

(LCS) R4227419-1 06/07/25 20:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Indeno(1,2,3-cd)pyrene	0.0800	0.0767	95.9	46.0-125	
Naphthalene	0.0800	0.0676	84.5	50.0-120	
Phenanthrene	0.0800	0.0730	91.3	47.0-120	
Pyrene	0.0800	0.0728	91.0	43.0-123	
1-Methylnaphthalene	0.0800	0.0705	88.1	51.0-121	
2-Methylnaphthalene	0.0800	0.0686	85.8	50.0-120	
(S) p-Terphenyl-d14			*115*	*23.0-120*	
(S) Nitrobenzene-d5			*116*	*14.0-149*	
(S) 2-Fluorobiphenyl			*109*	*34.0-125*	

L1867312-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867312-09 06/07/25 22:59 • (MS) R4227419-3 06/07/25 23:16 • (MSD) R4227419-4 06/07/25 23:34

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	0.0922	ND	0.0531	0.0506	57.5	54.3	1	10.0-145			4.71	30
Acenaphthene	0.0922	ND	0.0515	0.0479	55.8	51.4	1	14.0-127			7.12	27
Acenaphthylene	0.0922	ND	0.0520	0.0479	56.3	51.4	1	21.0-124			8.06	25
Benzo(a)anthracene	0.0922	ND	0.0548	0.0520	59.4	55.8	1	10.0-139			5.26	30
Benzo(a)pyrene	0.0922	ND	0.0585	0.0562	63.5	60.3	1	10.0-141			4.04	31
Benzo(b)fluoranthene	0.0922	ND	0.0603	0.0579	65.3	62.2	1	10.0-140			3.92	36
Benzo(g,h,i)perylene	0.0922	ND	0.0659	0.0638	71.4	68.5	1	10.0-140			3.20	33
Benzo(k)fluoranthene	0.0922	ND	0.0623	0.0603	67.6	64.7	1	10.0-137			3.38	31
Chrysene	0.0922	ND	0.0653	0.0635	70.8	68.2	1	10.0-145			2.65	30
Dibenz(a,h)anthracene	0.0922	ND	0.0726	0.0706	78.7	75.8	1	10.0-132			2.73	31
Fluoranthene	0.0922	ND	0.0555	0.0520	60.2	55.8	1	10.0-153			6.58	33
Fluorene	0.0922	ND	0.0577	0.0567	62.6	60.9	1	11.0-130			1.71	29
Indeno(1,2,3-cd)pyrene	0.0922	ND	0.0593	0.0578	64.3	62.0	1	10.0-137			2.50	32
Naphthalene	0.0922	ND	0.0572	0.0555	62.0	59.6	1	10.0-135			3.03	27
Phenanthrene	0.0922	ND	0.0571	0.0540	61.9	58.0	1	10.0-144			5.49	31
Pyrene	0.0922	ND	0.0570	0.0533	61.8	57.2	1	10.0-148			6.64	35
1-Methylnaphthalene	0.0922	ND	0.0557	0.0520	60.4	55.8	1	10.0-142			7.02	28
2-Methylnaphthalene	0.0922	ND	0.0555	0.0531	60.2	56.9	1	10.0-137			4.49	28
(S) p-Terphenyl-d14					*94.8*	*92.6*		*23.0-120*				
(S) Nitrobenzene-d5					*92.4*	*90.8*		*14.0-149*				
(S) 2-Fluorobiphenyl					*82.2*	*78.3*		*34.0-125*				

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.
U	Below Detectable Limits: Indicates that the analyte was not detected.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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.

Pace® Location Requested (City/State):

Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

L1867308

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; tmcmullin@cteh.com; ahenault@cteh.com

Cc E-Mail: ecatlin@cteh.com; mklinkerman@cteh.com

Customer Project #: PROJ-054017

Invoice to: CTEH

Project Name: Bishop LOC

Invoice E-mail: ctehap@montrose-env.com

Site Collection Info/Facility ID (as applicable): Galeton, CO

Purchase Order # (if applicable):

Quote #:

Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET

County / State origin of sample(s): CO

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other______

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [X] Other 5 Day

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

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

Specify Container Size **: 8oz | 8oz | 8oz | 8oz | 8oz | 8oz | 10 | 6

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

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

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

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	VOCs 8260D; TPH-GRO/DRO/ORO 8015D	SVOCs 8270E; PAH 8270E SIM	Metals 6010D, 6020B, Cr6 7199	Total N/TKN/N+N/NH3 EPA 350.1, 351.2, 9056A, SM 4500 Norg	TOC Walkley Black; pH 9045D/Sat. Paste; EC 9050A Mod	SAR USDA 20B; Hot Water Soluble Boron	Radionuclides (U, Ra 226, RA 228) 901.1 - Bag	VOCs 8260D	Sample Comment
GAC0606T070-1S001	SS	G	-	-	6/6/2025	1135	5	-	-	X	X	X	X	X	X	X	-	-01

MB

Lab Use Only: Proj. Mgr: 546-Jared Starkey; AcctNum / Client ID: CTEHER; Table #: G114; Profile #: T275920; Prelog / Bottle Ord. ID: P1156679

Preservation non-identified for

Sample Receipt Checklist

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

TLA9 4.1to.4=4.5

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, Tl, V; Metals by 6020B: As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn

Collected By: Printed Name: M. Beck; Signature: [signature]

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature] CTEH	6-6-25 1800	Pace	6-6-25 1800
		[signature]	6/7/25 0915

Tracking Number:

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

Page: 1 of 1

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