ANALYTICAL REPORT

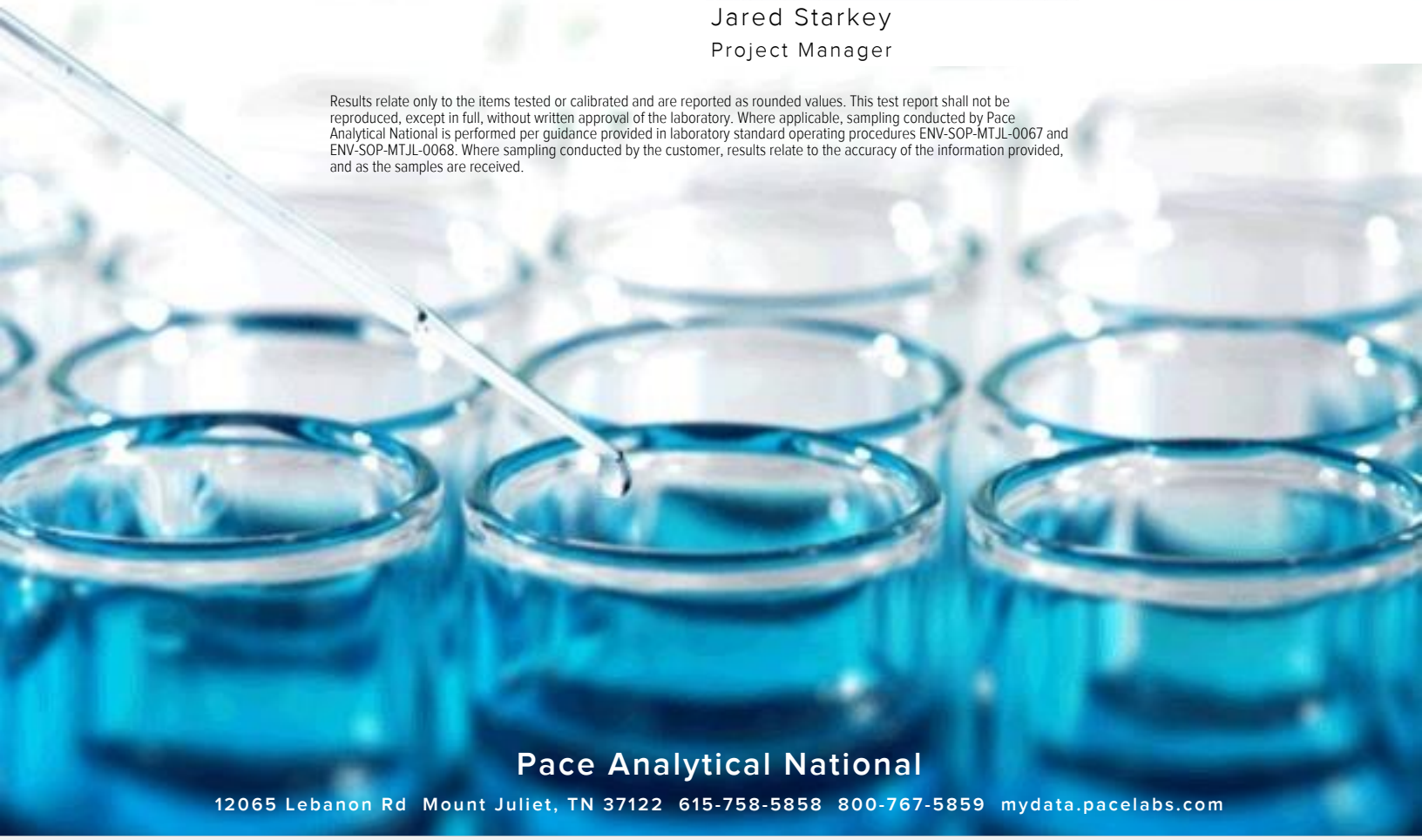
June 13, 2025

CTEH - ER

Sample Delivery Group:	L1867302
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

TABLE OF CONTENTS

GACO0606T161W001 L1867302-01

Collected by: Joe Johnstone | Collected date/time: 06/06/25 12:57 | Received date/time: 06/07/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536653	1	06/12/25 23:59	06/12/25 23:59	AEC	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2533249	1	06/07/25 12:48	06/07/25 14:33	JAC	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2533546	1	06/08/25 09:22	06/08/25 11:04	AMG	Mt. Juliet, TN
Wet Chemistry by Method 130.1	WG2533626	2	06/09/25 09:58	06/09/25 18:23	AEC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2533260	1	06/07/25 13:54	06/07/25 13:54	RJP	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2533159	1	06/07/25 17:39	06/07/25 17:39	DLH	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2533159	10	06/07/25 17:52	06/07/25 17:52	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533726	1	06/08/25 19:33	06/08/25 19:33	RTW	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2536653	1	06/12/25 19:42	06/12/25 23:59	AEC	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2536867	1	06/11/25 07:27	06/11/25 16:50	JDW	Mt. Juliet, TN
Wet Chemistry by Method 5310 B-2014	WG2533188	1	06/07/25 13:53	06/07/25 13:53	ASH	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2533209	1	06/07/25 12:17	06/07/25 15:35	JEG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533241	1	06/09/25 22:13	06/09/25 22:13	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2533330	1	06/07/25 16:15	06/07/25 16:15	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2533243	1	06/07/25 15:09	06/07/25 20:06	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2533235	1	06/07/25 12:44	06/08/25 15:47	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2533268	1	06/07/25 13:31	06/08/25 17:33	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2533268	1	06/07/25 13:31	06/08/25 19:04	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2532881	1	06/07/25 16:38	06/07/25 16:38	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533281	1	06/07/25 20:09	06/07/25 20:09	NCD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2533191	1	06/07/25 12:54	06/07/25 17:54	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533192	1	06/07/25 14:40	06/08/25 15:36	NJK	Mt. Juliet, TN

GACO0606T161WT001 L1867302-02

Collected by: Joe Johnstone | Collected date/time: 06/06/25 07:00 | Received date/time: 06/07/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533281	1	06/07/25 15:06	06/07/25 15:06	NCD	Mt. Juliet, TN

GACO0606T161W002 L1867302-03

Collected by: Joe Johnstone | Collected date/time: 06/06/25 13:35 | Received date/time: 06/07/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2536653	1	06/13/25 00:01	06/13/25 00:01	AEC	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2533249	1	06/07/25 12:48	06/07/25 14:33	JAC	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2533546	1	06/08/25 09:22	06/08/25 11:04	AMG	Mt. Juliet, TN
Wet Chemistry by Method 130.1	WG2533626	1	06/09/25 09:58	06/09/25 17:40	AEC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2533260	1	06/07/25 13:57	06/07/25 13:57	RJP	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2533159	1	06/07/25 18:06	06/07/25 18:06	DLH	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2533159	5	06/08/25 18:05	06/08/25 18:05	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2533726	1	06/08/25 19:34	06/08/25 19:34	RTW	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2536653	1	06/12/25 19:42	06/13/25 00:01	AEC	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2536867	1	06/11/25 07:27	06/11/25 16:54	JDW	Mt. Juliet, TN
Wet Chemistry by Method 5310 B-2014	WG2533188	1	06/07/25 15:11	06/07/25 15:11	ASH	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2533209	1	06/07/25 12:17	06/07/25 15:35	JEG	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2533241	1	06/09/25 22:39	06/09/25 22:39	ANW	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2533330	1	06/07/25 16:15	06/07/25 16:15	KRB	Mt. Juliet, TN
Mercury by Method 7470A	WG2533243	1	06/07/25 15:09	06/07/25 20:22	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2533235	1	06/07/25 12:44	06/08/25 15:50	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2533268	1	06/07/25 13:31	06/08/25 17:36	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2533268	1	06/07/25 13:31	06/08/25 19:07	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2532881	1	06/07/25 17:00	06/07/25 17:00	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533281	1	06/07/25 20:30	06/07/25 20:30	NCD	Mt. Juliet, TN

GACO0606T161W002 L1867302-03

Collected by: Joe Johnstone | Collected date/time: 06/06/25 13:35 | Received date/time: 06/07/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2533191	1	06/07/25 12:54	06/07/25 20:31	CAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2533192	1	06/07/25 14:40	06/08/25 15:58	NJK	Mt. Juliet, TN

GACO0606T161WT002 L1867302-04

Collected by: Joe Johnstone | Collected date/time: 06/06/25 07:00 | Received date/time: 06/07/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2533281	1	06/07/25 15:27	06/07/25 15:27	NCD	Mt. Juliet, TN

GACO0606T161W001 L1867302-05

Collected by: Joe Johnstone | Collected date/time: 06/06/25 12:57 | Received date/time: 06/07/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2533179	1	06/07/25 15:26	06/12/25 18:24	DDD	Mt. Juliet, TN
Radiochemistry by Method D5174	WG2534690	1	06/10/25 22:49	06/12/25 16:13	CAB	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2533869	1	06/09/25 08:57	06/10/25 19:47	ZRG	Mt. Juliet, TN

GACO0606T161W002 L1867302-06

Collected by: Joe Johnstone | Collected date/time: 06/06/25 13:35 | Received date/time: 06/07/25 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 904/9320	WG2533179	1	06/07/25 15:26	06/12/25 18:24	DDD	Mt. Juliet, TN
Radiochemistry by Method D5174	WG2534690	1	06/10/25 22:49	06/12/25 16:15	CAB	Mt. Juliet, TN
Radiochemistry by Method SM7500Ra B M	WG2533869	1	06/09/25 08:57	06/10/25 19:47	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

L1867302/WG2533192 - Benzidine is reporting with critically low recovery in the laboratory control sample(s). This compound is a method defined poor performer. Results are estimated.

Sample Delivery Group (SDG) Narrative

The following samples were prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

Batch	Method	Lab Sample ID
WG2533330	9040C	L1867302-01, 03

Wet Chemistry by Method 130.1

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
WG2533626	(MS) R4227795-3	Hardness (colorimetric) as CaCO3
WG2533626	(MSD) R4227795-4	Hardness (colorimetric) as CaCO3

Wet Chemistry by Method 300.0

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
WG2533159	(MS) R4227220-4	Sulfate
WG2533159	(MS) R4227220-7	Sulfate
WG2533159	(MSD) R4227220-8	Sulfate

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

Batch	Lab Sample ID	Analytes
WG2533159	(DUP) R4227220-6	Sulfate

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

Batch	Lab Sample ID	Analytes
WG2533159	(MS) R4227220-4, (MS) R4227220-7, (MSD) R4227220-8, L1867302-03	Chloride and Sulfate

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

Batch	Lab Sample ID	Analytes
WG2533159	(MS) R4227220-7, (MSD) R4227220-8	Sulfate

Wet Chemistry by Method 351.2

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

Batch	Lab Sample ID	Analytes
WG2536653	(MSD) R4229705-5	Kjeldahl Nitrogen, TKN

Wet Chemistry by Method 365.4

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

Batch	Lab Sample ID	Analytes
WG2536867	(MS) R4229212-10, (MS) R4229212-12, (MSD) R4229212-3	Phosphorus,Total

Metals (ICPMS) by Method 6020B

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2533235	Nickel,Dissolved	L1867302-01

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

Batch	Lab Sample ID	Analytes
WG2533268	(MSD) R4227335-5	Iron

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

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

Batch	Lab Sample ID	Analytes
WG2533281	L1867302-01	1,2-Dibromo-3-Chloropropane, Bromoform, Bromomethane, Chloroethane, Dichlorodifluoromethane, Naphthalene, Styrene, Toluene, Trichlorofluoromethane and Vinyl chloride
WG2533281	L1867302-02	1,2-Dibromo-3-Chloropropane, Bromoform, Bromomethane, Chloroethane, Dichlorodifluoromethane, Naphthalene, Styrene, Toluene, Trichlorofluoromethane and Vinyl chloride
WG2533281	L1867302-03	1,2-Dibromo-3-Chloropropane, Bromoform, Bromomethane, Chloroethane, Dichlorodifluoromethane, Naphthalene, Styrene, Toluene, Trichlorofluoromethane and Vinyl chloride
WG2533281	L1867302-04	1,2-Dibromo-3-Chloropropane, Bromoform, Bromomethane, Chloroethane, Dichlorodifluoromethane, Naphthalene, Styrene, Toluene, Trichlorofluoromethane and Vinyl chloride

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

Batch	Lab Sample ID	Analytes
WG2533281	(LCS) R4227145-1, L1867302-01, 02, 03, 04	Vinyl chloride

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

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

Batch	Lab Sample ID	Analytes
WG2533192	(LCS) R4227387-1, L1867302-01, 03	Benzidine

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

Batch	Lab Sample ID	Analytes
WG2533192	(MS) R4227387-3, (MSD) R4227387-4	Benzidine

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

Batch	Lab Sample ID	Analytes
WG2533192	(MSD) R4227387-4	4-Chloro-3-methylphenol, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene and Chrysene

Calculated Results

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Total Nitrogen	3440		100	1	06/12/2025 23:59	WG2536653

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1290000		20000	1	06/07/2025 14:33	WG2533249

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Suspended Solids	31700		6950	1	06/08/2025 11:04	WG2533546

Wet Chemistry by Method 130.1

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Hardness (colorimetric) as CaCO3	610000		60000	2	06/09/2025 18:23	WG2533626

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	210000		20000	1	06/07/2025 13:54	WG2533260
Alkalinity,Bicarbonate	210000		20000	1	06/07/2025 13:54	WG2533260
Alkalinity,Carbonate	ND		20000	1	06/07/2025 13:54	WG2533260

Sample Narrative:

L1867302-01 WG2533260: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 300.0

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Bromide	ND		1000	1	06/07/2025 17:39	WG2533159
Chloride	57500		1000	1	06/07/2025 17:39	WG2533159
Fluoride	702		150	1	06/07/2025 17:39	WG2533159
Nitrate as (N)	451		100	1	06/07/2025 17:39	WG2533159
Nitrite as (N)	300		100	1	06/07/2025 17:39	WG2533159
Sulfate	667000		50000	10	06/07/2025 17:52	WG2533159

Wet Chemistry by Method 350.1

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	170		100	1	06/08/2025 19:33	WG2533726

Wet Chemistry by Method 351.2

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	2690		250	1	06/12/2025 23:59	WG2536653

Wet Chemistry by Method 365.4

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Phosphorus,Total	828		100	1	06/11/2025 16:50	WG2536867

Wet Chemistry by Method 5310 B-2014

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
TOC (Total Organic Carbon)	18000		1000	1	06/07/2025 13:53	WG2533188

Wet Chemistry by Method 5540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
MBAS	106		100	1	06/07/2025 15:35	WG2533209

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Hexavalent Chromium	ND		0.500	1	06/09/2025 22:13	WG2533241

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	8.00	T8	1	06/07/2025 16:15	WG2533330

Sample Narrative:

L1867302-01 WG2533330: 8 at 22.7C

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	0.255		0.200	1	06/07/2025 20:06	WG2533243

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Aluminum	803		100	1	06/08/2025 17:33	WG2533268
Aluminum,Dissolved	ND		100	1	06/08/2025 15:47	WG2533235
Antimony	ND		4.00	1	06/08/2025 17:33	WG2533268
Arsenic	5.38		2.00	1	06/08/2025 17:33	WG2533268
Arsenic,Dissolved	5.14		2.00	1	06/08/2025 15:47	WG2533235
Barium	62.9		2.00	1	06/08/2025 17:33	WG2533268
Beryllium	ND		2.00	1	06/08/2025 17:33	WG2533268
Boron	233		30.0	1	06/08/2025 17:33	WG2533268
Cadmium	ND		1.00	1	06/08/2025 17:33	WG2533268
Cadmium,Dissolved	ND		1.00	1	06/08/2025 15:47	WG2533235
Calcium	114000		1000	1	06/08/2025 17:33	WG2533268
Chromium	ND		2.00	1	06/08/2025 17:33	WG2533268
Chromium,Dissolved	ND		2.00	1	06/08/2025 15:47	WG2533235
Copper	7.63		5.00	1	06/08/2025 17:33	WG2533268
Copper,Dissolved	ND		5.00	1	06/08/2025 15:47	WG2533235
Cobalt	ND		2.00	1	06/08/2025 17:33	WG2533268
Iron	659		100	1	06/08/2025 17:33	WG2533268
Lead	ND		2.00	1	06/08/2025 17:33	WG2533268
Lead,Dissolved	ND		2.00	1	06/08/2025 15:47	WG2533235
Magnesium	76800		1000	1	06/08/2025 17:33	WG2533268
Manganese	172		5.00	1	06/08/2025 17:33	WG2533268
Manganese,Dissolved	127		5.00	1	06/08/2025 15:47	WG2533235
Nickel	4.72		2.00	1	06/08/2025 17:33	WG2533268
Nickel,Dissolved	4.31	B	2.00	1	06/08/2025 15:47	WG2533235
Potassium	17500		2000	1	06/08/2025 17:33	WG2533268
Selenium	ND		2.00	1	06/08/2025 17:33	WG2533268

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Selenium,Dissolved	ND		2.00	1	06/08/2025 15:47	WG2533235
Silver	ND		2.00	1	06/08/2025 17:33	WG2533268
Silver,Dissolved	ND		2.00	1	06/08/2025 15:47	WG2533235
Sodium	162000		2000	1	06/08/2025 19:04	WG2533268
Thallium	ND		2.00	1	06/08/2025 17:33	WG2533268
Vanadium	5.67		5.00	1	06/08/2025 17:33	WG2533268
Zinc	ND		25.0	1	06/08/2025 17:33	WG2533268
Zinc,Dissolved	ND		25.0	1	06/08/2025 15:47	WG2533235

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		100	1	06/07/2025 16:38	WG2532881
(S) a,a,a-Trifluorotoluene(FID)	*102*		*78.0-120*		*06/07/2025 16:38*	WG2532881

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	06/07/2025 20:09	WG2533281
Acrolein	ND		50.0	1	06/07/2025 20:09	WG2533281
Acrylonitrile	ND		10.0	1	06/07/2025 20:09	WG2533281
Benzene	ND		1.00	1	06/07/2025 20:09	WG2533281
Bromobenzene	ND		1.00	1	06/07/2025 20:09	WG2533281
Bromodichloromethane	ND		1.00	1	06/07/2025 20:09	WG2533281
Bromoform	ND	C3	1.00	1	06/07/2025 20:09	WG2533281
Bromomethane	ND	C3	5.00	1	06/07/2025 20:09	WG2533281
n-Butylbenzene	ND		1.00	1	06/07/2025 20:09	WG2533281
sec-Butylbenzene	ND		1.00	1	06/07/2025 20:09	WG2533281
tert-Butylbenzene	ND		1.00	1	06/07/2025 20:09	WG2533281
Carbon tetrachloride	ND		1.00	1	06/07/2025 20:09	WG2533281
Chlorobenzene	ND		1.00	1	06/07/2025 20:09	WG2533281
Chlorodibromomethane	ND		1.00	1	06/07/2025 20:09	WG2533281
Chloroethane	ND	C3	5.00	1	06/07/2025 20:09	WG2533281
Chloroform	ND		5.00	1	06/07/2025 20:09	WG2533281
Chloromethane	ND		2.50	1	06/07/2025 20:09	WG2533281
2-Chlorotoluene	ND		1.00	1	06/07/2025 20:09	WG2533281
4-Chlorotoluene	ND		1.00	1	06/07/2025 20:09	WG2533281
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	06/07/2025 20:09	WG2533281
1,2-Dibromoethane	ND		1.00	1	06/07/2025 20:09	WG2533281
Dibromomethane	ND		1.00	1	06/07/2025 20:09	WG2533281
1,2-Dichlorobenzene	ND		1.00	1	06/07/2025 20:09	WG2533281
1,3-Dichlorobenzene	ND		1.00	1	06/07/2025 20:09	WG2533281
1,4-Dichlorobenzene	ND		1.00	1	06/07/2025 20:09	WG2533281
Dichlorodifluoromethane	ND	C3	5.00	1	06/07/2025 20:09	WG2533281
1,1-Dichloroethane	ND		1.00	1	06/07/2025 20:09	WG2533281
1,2-Dichloroethane	ND		1.00	1	06/07/2025 20:09	WG2533281
1,1-Dichloroethene	ND		1.00	1	06/07/2025 20:09	WG2533281
cis-1,2-Dichloroethene	ND		1.00	1	06/07/2025 20:09	WG2533281
trans-1,2-Dichloroethene	ND		1.00	1	06/07/2025 20:09	WG2533281
1,2-Dichloropropane	ND		1.00	1	06/07/2025 20:09	WG2533281
1,1-Dichloropropene	ND		1.00	1	06/07/2025 20:09	WG2533281
1,3-Dichloropropane	ND		1.00	1	06/07/2025 20:09	WG2533281
cis-1,3-Dichloropropene	ND		1.00	1	06/07/2025 20:09	WG2533281
trans-1,3-Dichloropropene	ND		1.00	1	06/07/2025 20:09	WG2533281
2,2-Dichloropropane	ND		1.00	1	06/07/2025 20:09	WG2533281

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Di-isopropyl ether	ND		1.00	1	06/07/2025 20:09	WG2533281
Ethylbenzene	ND		1.00	1	06/07/2025 20:09	WG2533281
Hexachloro-1,3-butadiene	ND		1.00	1	06/07/2025 20:09	WG2533281
Isopropylbenzene	ND		1.00	1	06/07/2025 20:09	WG2533281
p-Isopropyltoluene	ND		1.00	1	06/07/2025 20:09	WG2533281
2-Butanone (MEK)	ND		10.0	1	06/07/2025 20:09	WG2533281
Methylene Chloride	ND		5.00	1	06/07/2025 20:09	WG2533281
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	06/07/2025 20:09	WG2533281
Methyl tert-butyl ether	ND		1.00	1	06/07/2025 20:09	WG2533281
Naphthalene	ND	C3	5.00	1	06/07/2025 20:09	WG2533281
n-Propylbenzene	ND		1.00	1	06/07/2025 20:09	WG2533281
Styrene	ND	C3	1.00	1	06/07/2025 20:09	WG2533281
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/07/2025 20:09	WG2533281
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/07/2025 20:09	WG2533281
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	06/07/2025 20:09	WG2533281
Tetrachloroethene	ND		1.00	1	06/07/2025 20:09	WG2533281
Toluene	ND	C3	1.00	1	06/07/2025 20:09	WG2533281
1,2,3-Trichlorobenzene	ND		1.00	1	06/07/2025 20:09	WG2533281
1,2,4-Trichlorobenzene	ND		1.00	1	06/07/2025 20:09	WG2533281
1,1,1-Trichloroethane	ND		1.00	1	06/07/2025 20:09	WG2533281
1,1,2-Trichloroethane	ND		1.00	1	06/07/2025 20:09	WG2533281
Trichloroethene	ND		1.00	1	06/07/2025 20:09	WG2533281
Trichlorofluoromethane	ND	C3	5.00	1	06/07/2025 20:09	WG2533281
1,2,3-Trichloropropane	ND		2.50	1	06/07/2025 20:09	WG2533281
1,2,4-Trimethylbenzene	ND		1.00	1	06/07/2025 20:09	WG2533281
1,2,3-Trimethylbenzene	ND		1.00	1	06/07/2025 20:09	WG2533281
1,3,5-Trimethylbenzene	ND		1.00	1	06/07/2025 20:09	WG2533281
Vinyl chloride	ND	C3 J4	1.00	1	06/07/2025 20:09	WG2533281
Xylenes, Total	ND		3.00	1	06/07/2025 20:09	WG2533281
(S) Toluene-d8	*100*		*80.0-120*		*06/07/2025 20:09*	WG2533281
(S) 4-Bromofluorobenzene	*95.7*		*77.0-126*		*06/07/2025 20:09*	WG2533281
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*06/07/2025 20:09*	WG2533281

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	293		100	1	06/07/2025 17:54	WG2533191
C28-C36 Motor Oil Range	308		100	1	06/07/2025 17:54	WG2533191
(S) o-Terphenyl	*107*		*52.0-156*		*06/07/2025 17:54*	WG2533191

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	06/08/2025 15:36	WG2533192
Acenaphthylene	ND		1.00	1	06/08/2025 15:36	WG2533192
Anthracene	ND		1.00	1	06/08/2025 15:36	WG2533192
Benzidine	ND	J4	20.0	1	06/08/2025 15:36	WG2533192
Benzo(a)anthracene	ND		1.00	1	06/08/2025 15:36	WG2533192
Benzo(b)fluoranthene	ND		1.00	1	06/08/2025 15:36	WG2533192
Benzo(k)fluoranthene	ND		1.00	1	06/08/2025 15:36	WG2533192
Benzo(g,h,i)perylene	ND		1.00	1	06/08/2025 15:36	WG2533192
Benzo(a)pyrene	ND		1.00	1	06/08/2025 15:36	WG2533192
Bis(2-chlorethoxy)methane	ND		10.0	1	06/08/2025 15:36	WG2533192
Bis(2-chloroethyl)ether	ND		10.0	1	06/08/2025 15:36	WG2533192
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	06/08/2025 15:36	WG2533192

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
4-Bromophenyl-phenylether	ND		10.0	1	06/08/2025 15:36	WG2533192
2-Chloronaphthalene	ND		1.00	1	06/08/2025 15:36	WG2533192
4-Chlorophenyl-phenylether	ND		10.0	1	06/08/2025 15:36	WG2533192
Chrysene	ND		1.00	1	06/08/2025 15:36	WG2533192
Dibenz(a,h)anthracene	ND		1.00	1	06/08/2025 15:36	WG2533192
1,2-Dichlorobenzene	ND		10.0	1	06/08/2025 15:36	WG2533192
1,3-Dichlorobenzene	ND		10.0	1	06/08/2025 15:36	WG2533192
1,4-Dichlorobenzene	ND		10.0	1	06/08/2025 15:36	WG2533192
3,3-Dichlorobenzidine	ND		10.0	1	06/08/2025 15:36	WG2533192
2,4-Dinitrotoluene	ND		10.0	1	06/08/2025 15:36	WG2533192
2,6-Dinitrotoluene	ND		10.0	1	06/08/2025 15:36	WG2533192
Fluoranthene	ND		1.00	1	06/08/2025 15:36	WG2533192
Fluorene	ND		1.00	1	06/08/2025 15:36	WG2533192
Hexachlorobenzene	ND		1.00	1	06/08/2025 15:36	WG2533192
Hexachloro-1,3-butadiene	ND		10.0	1	06/08/2025 15:36	WG2533192
Hexachlorocyclopentadiene	ND		10.0	1	06/08/2025 15:36	WG2533192
Hexachloroethane	ND		10.0	1	06/08/2025 15:36	WG2533192
Indeno(1,2,3-cd)pyrene	ND		1.00	1	06/08/2025 15:36	WG2533192
Isophorone	ND		10.0	1	06/08/2025 15:36	WG2533192
1-Methylnaphthalene	ND		1.00	1	06/08/2025 15:36	WG2533192
2-Methylnaphthalene	ND		1.00	1	06/08/2025 15:36	WG2533192
Naphthalene	ND		1.00	1	06/08/2025 15:36	WG2533192
Nitrobenzene	ND		10.0	1	06/08/2025 15:36	WG2533192
n-Nitrosodimethylamine	ND		10.0	1	06/08/2025 15:36	WG2533192
n-Nitrosodiphenylamine	ND		10.0	1	06/08/2025 15:36	WG2533192
n-Nitrosodi-n-propylamine	ND		10.0	1	06/08/2025 15:36	WG2533192
Phenanthrene	ND		1.00	1	06/08/2025 15:36	WG2533192
Benzylbutyl phthalate	ND		3.00	1	06/08/2025 15:36	WG2533192
Bis(2-ethylhexyl)phthalate	ND		3.00	1	06/08/2025 15:36	WG2533192
Di-n-butyl phthalate	ND		3.00	1	06/08/2025 15:36	WG2533192
Diethyl phthalate	ND		3.00	1	06/08/2025 15:36	WG2533192
Dimethyl phthalate	ND		3.00	1	06/08/2025 15:36	WG2533192
Di-n-octyl phthalate	ND		3.00	1	06/08/2025 15:36	WG2533192
Pyrene	ND		1.00	1	06/08/2025 15:36	WG2533192
1,2,4-Trichlorobenzene	ND		10.0	1	06/08/2025 15:36	WG2533192
4-Chloro-3-methylphenol	ND		10.0	1	06/08/2025 15:36	WG2533192
2-Chlorophenol	ND		10.0	1	06/08/2025 15:36	WG2533192
2,4-Dichlorophenol	ND		10.0	1	06/08/2025 15:36	WG2533192
2,4-Dimethylphenol	ND		10.0	1	06/08/2025 15:36	WG2533192
4,6-Dinitro-2-methylphenol	ND		10.0	1	06/08/2025 15:36	WG2533192
2,4-Dinitrophenol	ND		10.0	1	06/08/2025 15:36	WG2533192
2-Nitrophenol	ND		10.0	1	06/08/2025 15:36	WG2533192
4-Nitrophenol	ND		10.0	1	06/08/2025 15:36	WG2533192
Pentachlorophenol	ND		10.0	1	06/08/2025 15:36	WG2533192
Phenol	ND		10.0	1	06/08/2025 15:36	WG2533192
2,4,6-Trichlorophenol	ND		10.0	1	06/08/2025 15:36	WG2533192
(S) 2-Fluorophenol	*39.8*		*10.0-120*		*06/08/2025 15:36*	WG2533192
(S) Phenol-d5	*28.1*		*10.0-120*		*06/08/2025 15:36*	WG2533192
(S) Nitrobenzene-d5	*76.5*		*10.0-127*		*06/08/2025 15:36*	WG2533192
(S) 2-Fluorobiphenyl	*68.9*		*10.0-130*		*06/08/2025 15:36*	WG2533192
(S) 2,4,6-Tribromophenol	*66.3*		*10.0-155*		*06/08/2025 15:36*	WG2533192
(S) p-Terphenyl-d14	*76.4*		*10.0-128*		*06/08/2025 15:36*	WG2533192

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	06/07/2025 15:06	WG2533281
Acrolein	ND		50.0	1	06/07/2025 15:06	WG2533281
Acrylonitrile	ND		10.0	1	06/07/2025 15:06	WG2533281
Benzene	ND		1.00	1	06/07/2025 15:06	WG2533281
Bromobenzene	ND		1.00	1	06/07/2025 15:06	WG2533281
Bromodichloromethane	ND		1.00	1	06/07/2025 15:06	WG2533281
Bromoform	ND	C3	1.00	1	06/07/2025 15:06	WG2533281
Bromomethane	ND	C3	5.00	1	06/07/2025 15:06	WG2533281
n-Butylbenzene	ND		1.00	1	06/07/2025 15:06	WG2533281
sec-Butylbenzene	ND		1.00	1	06/07/2025 15:06	WG2533281
tert-Butylbenzene	ND		1.00	1	06/07/2025 15:06	WG2533281
Carbon tetrachloride	ND		1.00	1	06/07/2025 15:06	WG2533281
Chlorobenzene	ND		1.00	1	06/07/2025 15:06	WG2533281
Chlorodibromomethane	ND		1.00	1	06/07/2025 15:06	WG2533281
Chloroethane	ND	C3	5.00	1	06/07/2025 15:06	WG2533281
Chloroform	ND		5.00	1	06/07/2025 15:06	WG2533281
Chloromethane	ND		2.50	1	06/07/2025 15:06	WG2533281
2-Chlorotoluene	ND		1.00	1	06/07/2025 15:06	WG2533281
4-Chlorotoluene	ND		1.00	1	06/07/2025 15:06	WG2533281
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	06/07/2025 15:06	WG2533281
1,2-Dibromoethane	ND		1.00	1	06/07/2025 15:06	WG2533281
Dibromomethane	ND		1.00	1	06/07/2025 15:06	WG2533281
1,2-Dichlorobenzene	ND		1.00	1	06/07/2025 15:06	WG2533281
1,3-Dichlorobenzene	ND		1.00	1	06/07/2025 15:06	WG2533281
1,4-Dichlorobenzene	ND		1.00	1	06/07/2025 15:06	WG2533281
Dichlorodifluoromethane	ND	C3	5.00	1	06/07/2025 15:06	WG2533281
1,1-Dichloroethane	ND		1.00	1	06/07/2025 15:06	WG2533281
1,2-Dichloroethane	ND		1.00	1	06/07/2025 15:06	WG2533281
1,1-Dichloroethene	ND		1.00	1	06/07/2025 15:06	WG2533281
cis-1,2-Dichloroethene	ND		1.00	1	06/07/2025 15:06	WG2533281
trans-1,2-Dichloroethene	ND		1.00	1	06/07/2025 15:06	WG2533281
1,2-Dichloropropane	ND		1.00	1	06/07/2025 15:06	WG2533281
1,1-Dichloropropene	ND		1.00	1	06/07/2025 15:06	WG2533281
1,3-Dichloropropane	ND		1.00	1	06/07/2025 15:06	WG2533281
cis-1,3-Dichloropropene	ND		1.00	1	06/07/2025 15:06	WG2533281
trans-1,3-Dichloropropene	ND		1.00	1	06/07/2025 15:06	WG2533281
2,2-Dichloropropane	ND		1.00	1	06/07/2025 15:06	WG2533281
Di-isopropyl ether	ND		1.00	1	06/07/2025 15:06	WG2533281
Ethylbenzene	ND		1.00	1	06/07/2025 15:06	WG2533281
Hexachloro-1,3-butadiene	ND		1.00	1	06/07/2025 15:06	WG2533281
Isopropylbenzene	ND		1.00	1	06/07/2025 15:06	WG2533281
p-Isopropyltoluene	ND		1.00	1	06/07/2025 15:06	WG2533281
2-Butanone (MEK)	ND		10.0	1	06/07/2025 15:06	WG2533281
Methylene Chloride	ND		5.00	1	06/07/2025 15:06	WG2533281
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	06/07/2025 15:06	WG2533281
Methyl tert-butyl ether	ND		1.00	1	06/07/2025 15:06	WG2533281
Naphthalene	ND	C3	5.00	1	06/07/2025 15:06	WG2533281
n-Propylbenzene	ND		1.00	1	06/07/2025 15:06	WG2533281
Styrene	ND	C3	1.00	1	06/07/2025 15:06	WG2533281
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/07/2025 15:06	WG2533281
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/07/2025 15:06	WG2533281
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	06/07/2025 15:06	WG2533281
Tetrachloroethene	ND		1.00	1	06/07/2025 15:06	WG2533281
Toluene	ND	C3	1.00	1	06/07/2025 15:06	WG2533281
1,2,3-Trichlorobenzene	ND		1.00	1	06/07/2025 15:06	WG2533281
1,2,4-Trichlorobenzene	ND		1.00	1	06/07/2025 15:06	WG2533281

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	06/07/2025 15:06	WG2533281
1,1,2-Trichloroethane	ND		1.00	1	06/07/2025 15:06	WG2533281
Trichloroethene	ND		1.00	1	06/07/2025 15:06	WG2533281
Trichlorofluoromethane	ND	C3	5.00	1	06/07/2025 15:06	WG2533281
1,2,3-Trichloropropane	ND		2.50	1	06/07/2025 15:06	WG2533281
1,2,4-Trimethylbenzene	ND		1.00	1	06/07/2025 15:06	WG2533281
1,2,3-Trimethylbenzene	ND		1.00	1	06/07/2025 15:06	WG2533281
1,3,5-Trimethylbenzene	ND		1.00	1	06/07/2025 15:06	WG2533281
Vinyl chloride	ND	C3 J4	1.00	1	06/07/2025 15:06	WG2533281
Xylenes, Total	ND		3.00	1	06/07/2025 15:06	WG2533281
(S) Toluene-d8	*99.9*		*80.0-120*		*06/07/2025 15:06*	WG2533281
(S) 4-Bromofluorobenzene	*94.4*		*77.0-126*		*06/07/2025 15:06*	WG2533281
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*06/07/2025 15:06*	WG2533281

Calculated Results

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Total Nitrogen	1130		100	1	06/13/2025 00:01	WG2536653

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	265000		10000	1	06/07/2025 14:33	WG2533249

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Suspended Solids	22000		5000	1	06/08/2025 11:04	WG2533546

Wet Chemistry by Method 130.1

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Hardness (colorimetric) as CaCO3	144000		30000	1	06/09/2025 17:40	WG2533626

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	75500		20000	1	06/07/2025 13:57	WG2533260
Alkalinity,Bicarbonate	75500		20000	1	06/07/2025 13:57	WG2533260
Alkalinity,Carbonate	ND		20000	1	06/07/2025 13:57	WG2533260

Sample Narrative:

L1867302-03 WG2533260: Endpoint pH 4.5 HEADSPACE

Wet Chemistry by Method 300.0

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Bromide	ND		1000	1	06/07/2025 18:06	WG2533159
Chloride	13100	J6	1000	1	06/07/2025 18:06	WG2533159
Fluoride	331		150	1	06/07/2025 18:06	WG2533159
Nitrate as (N)	390		100	1	06/07/2025 18:06	WG2533159
Nitrite as (N)	ND		100	1	06/07/2025 18:06	WG2533159
Sulfate	104000		25000	5	06/08/2025 18:05	WG2533159

Wet Chemistry by Method 350.1

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		100	1	06/08/2025 19:34	WG2533726

Wet Chemistry by Method 351.2

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	745		250	1	06/13/2025 00:01	WG2536653

Wet Chemistry by Method 365.4

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Phosphorus,Total	129		100	1	06/11/2025 16:54	WG2536867

Wet Chemistry by Method 5310 B-2014

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	4910		1000	1	06/07/2025 15:11	WG2533188

Wet Chemistry by Method 5540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
MBAS	ND		100	1	06/07/2025 15:35	WG2533209

Wet Chemistry by Method 7199

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.500	1	06/09/2025 22:39	WG2533241

Wet Chemistry by Method 9040C

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	8.14	T8	1	06/07/2025 16:15	WG2533330

Sample Narrative:

L1867302-03 WG2533330: 8.14 at 22.4C

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	06/07/2025 20:22	WG2533243

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Aluminum	650		100	1	06/08/2025 17:36	WG2533268
Aluminum,Dissolved	ND		100	1	06/08/2025 15:50	WG2533235
Antimony	ND		4.00	1	06/08/2025 17:36	WG2533268
Arsenic	ND		2.00	1	06/08/2025 17:36	WG2533268
Arsenic,Dissolved	ND		2.00	1	06/08/2025 15:50	WG2533235
Barium	35.0		2.00	1	06/08/2025 17:36	WG2533268
Beryllium	ND		2.00	1	06/08/2025 17:36	WG2533268
Boron	49.7		30.0	1	06/08/2025 17:36	WG2533268
Cadmium	ND		1.00	1	06/08/2025 17:36	WG2533268
Cadmium,Dissolved	ND		1.00	1	06/08/2025 15:50	WG2533235
Calcium	38300		1000	1	06/08/2025 17:36	WG2533268
Chromium	ND		2.00	1	06/08/2025 17:36	WG2533268
Chromium,Dissolved	ND		2.00	1	06/08/2025 15:50	WG2533235
Copper	ND		5.00	1	06/08/2025 17:36	WG2533268
Copper,Dissolved	ND		5.00	1	06/08/2025 15:50	WG2533235
Cobalt	ND		2.00	1	06/08/2025 17:36	WG2533268
Iron	454		100	1	06/08/2025 17:36	WG2533268
Lead	ND		2.00	1	06/08/2025 17:36	WG2533268
Lead,Dissolved	ND		2.00	1	06/08/2025 15:50	WG2533235
Magnesium	15700		1000	1	06/08/2025 17:36	WG2533268
Manganese	29.0		5.00	1	06/08/2025 17:36	WG2533268
Manganese,Dissolved	9.83		5.00	1	06/08/2025 15:50	WG2533235
Nickel	ND		2.00	1	06/08/2025 17:36	WG2533268
Nickel,Dissolved	ND		2.00	1	06/08/2025 15:50	WG2533235
Potassium	2480		2000	1	06/08/2025 17:36	WG2533268
Selenium	ND		2.00	1	06/08/2025 17:36	WG2533268

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Selenium,Dissolved	ND		2.00	1	06/08/2025 15:50	WG2533235
Silver	ND		2.00	1	06/08/2025 17:36	WG2533268
Silver,Dissolved	ND		2.00	1	06/08/2025 15:50	WG2533235
Sodium	21100		2000	1	06/08/2025 19:07	WG2533268
Thallium	ND		2.00	1	06/08/2025 17:36	WG2533268
Vanadium	ND		5.00	1	06/08/2025 17:36	WG2533268
Zinc	ND		25.0	1	06/08/2025 17:36	WG2533268
Zinc,Dissolved	ND		25.0	1	06/08/2025 15:50	WG2533235

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		100	1	06/07/2025 17:00	WG2532881
(S) a,a,a-Trifluorotoluene(FID)	*102*		*78.0-120*		*06/07/2025 17:00*	WG2532881

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	06/07/2025 20:30	WG2533281
Acrolein	ND		50.0	1	06/07/2025 20:30	WG2533281
Acrylonitrile	ND		10.0	1	06/07/2025 20:30	WG2533281
Benzene	ND		1.00	1	06/07/2025 20:30	WG2533281
Bromobenzene	ND		1.00	1	06/07/2025 20:30	WG2533281
Bromodichloromethane	ND		1.00	1	06/07/2025 20:30	WG2533281
Bromoform	ND	C3	1.00	1	06/07/2025 20:30	WG2533281
Bromomethane	ND	C3	5.00	1	06/07/2025 20:30	WG2533281
n-Butylbenzene	ND		1.00	1	06/07/2025 20:30	WG2533281
sec-Butylbenzene	ND		1.00	1	06/07/2025 20:30	WG2533281
tert-Butylbenzene	ND		1.00	1	06/07/2025 20:30	WG2533281
Carbon tetrachloride	ND		1.00	1	06/07/2025 20:30	WG2533281
Chlorobenzene	ND		1.00	1	06/07/2025 20:30	WG2533281
Chlorodibromomethane	ND		1.00	1	06/07/2025 20:30	WG2533281
Chloroethane	ND	C3	5.00	1	06/07/2025 20:30	WG2533281
Chloroform	ND		5.00	1	06/07/2025 20:30	WG2533281
Chloromethane	ND		2.50	1	06/07/2025 20:30	WG2533281
2-Chlorotoluene	ND		1.00	1	06/07/2025 20:30	WG2533281
4-Chlorotoluene	ND		1.00	1	06/07/2025 20:30	WG2533281
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	06/07/2025 20:30	WG2533281
1,2-Dibromoethane	ND		1.00	1	06/07/2025 20:30	WG2533281
Dibromomethane	ND		1.00	1	06/07/2025 20:30	WG2533281
1,2-Dichlorobenzene	ND		1.00	1	06/07/2025 20:30	WG2533281
1,3-Dichlorobenzene	ND		1.00	1	06/07/2025 20:30	WG2533281
1,4-Dichlorobenzene	ND		1.00	1	06/07/2025 20:30	WG2533281
Dichlorodifluoromethane	ND	C3	5.00	1	06/07/2025 20:30	WG2533281
1,1-Dichloroethane	ND		1.00	1	06/07/2025 20:30	WG2533281
1,2-Dichloroethane	ND		1.00	1	06/07/2025 20:30	WG2533281
1,1-Dichloroethene	ND		1.00	1	06/07/2025 20:30	WG2533281
cis-1,2-Dichloroethene	ND		1.00	1	06/07/2025 20:30	WG2533281
trans-1,2-Dichloroethene	ND		1.00	1	06/07/2025 20:30	WG2533281
1,2-Dichloropropane	ND		1.00	1	06/07/2025 20:30	WG2533281
1,1-Dichloropropene	ND		1.00	1	06/07/2025 20:30	WG2533281
1,3-Dichloropropane	ND		1.00	1	06/07/2025 20:30	WG2533281
cis-1,3-Dichloropropene	ND		1.00	1	06/07/2025 20:30	WG2533281
trans-1,3-Dichloropropene	ND		1.00	1	06/07/2025 20:30	WG2533281
2,2-Dichloropropane	ND		1.00	1	06/07/2025 20:30	WG2533281

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Di-isopropyl ether	ND		1.00	1	06/07/2025 20:30	WG2533281
Ethylbenzene	ND		1.00	1	06/07/2025 20:30	WG2533281
Hexachloro-1,3-butadiene	ND		1.00	1	06/07/2025 20:30	WG2533281
Isopropylbenzene	ND		1.00	1	06/07/2025 20:30	WG2533281
p-Isopropyltoluene	ND		1.00	1	06/07/2025 20:30	WG2533281
2-Butanone (MEK)	ND		10.0	1	06/07/2025 20:30	WG2533281
Methylene Chloride	ND		5.00	1	06/07/2025 20:30	WG2533281
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	06/07/2025 20:30	WG2533281
Methyl tert-butyl ether	ND		1.00	1	06/07/2025 20:30	WG2533281
Naphthalene	ND	C3	5.00	1	06/07/2025 20:30	WG2533281
n-Propylbenzene	ND		1.00	1	06/07/2025 20:30	WG2533281
Styrene	ND	C3	1.00	1	06/07/2025 20:30	WG2533281
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/07/2025 20:30	WG2533281
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/07/2025 20:30	WG2533281
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	06/07/2025 20:30	WG2533281
Tetrachloroethene	ND		1.00	1	06/07/2025 20:30	WG2533281
Toluene	ND	C3	1.00	1	06/07/2025 20:30	WG2533281
1,2,3-Trichlorobenzene	ND		1.00	1	06/07/2025 20:30	WG2533281
1,2,4-Trichlorobenzene	ND		1.00	1	06/07/2025 20:30	WG2533281
1,1,1-Trichloroethane	ND		1.00	1	06/07/2025 20:30	WG2533281
1,1,2-Trichloroethane	ND		1.00	1	06/07/2025 20:30	WG2533281
Trichloroethene	ND		1.00	1	06/07/2025 20:30	WG2533281
Trichlorofluoromethane	ND	C3	5.00	1	06/07/2025 20:30	WG2533281
1,2,3-Trichloropropane	ND		2.50	1	06/07/2025 20:30	WG2533281
1,2,4-Trimethylbenzene	ND		1.00	1	06/07/2025 20:30	WG2533281
1,2,3-Trimethylbenzene	ND		1.00	1	06/07/2025 20:30	WG2533281
1,3,5-Trimethylbenzene	ND		1.00	1	06/07/2025 20:30	WG2533281
Vinyl chloride	ND	C3 J4	1.00	1	06/07/2025 20:30	WG2533281
Xylenes, Total	ND		3.00	1	06/07/2025 20:30	WG2533281
(S) Toluene-d8	*98.6*		*80.0-120*		*06/07/2025 20:30*	WG2533281
(S) 4-Bromofluorobenzene	*93.6*		*77.0-126*		*06/07/2025 20:30*	WG2533281
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*06/07/2025 20:30*	WG2533281

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	123		100	1	06/07/2025 20:31	WG2533191
C28-C36 Motor Oil Range	ND		100	1	06/07/2025 20:31	WG2533191
(S) o-Terphenyl	*117*		*52.0-156*		*06/07/2025 20:31*	WG2533191

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	06/08/2025 15:58	WG2533192
Acenaphthylene	ND		1.00	1	06/08/2025 15:58	WG2533192
Anthracene	ND		1.00	1	06/08/2025 15:58	WG2533192
Benzidine	ND	J4	20.0	1	06/08/2025 15:58	WG2533192
Benzo(a)anthracene	ND		1.00	1	06/08/2025 15:58	WG2533192
Benzo(b)fluoranthene	ND		1.00	1	06/08/2025 15:58	WG2533192
Benzo(k)fluoranthene	ND		1.00	1	06/08/2025 15:58	WG2533192
Benzo(g,h,i)perylene	ND		1.00	1	06/08/2025 15:58	WG2533192
Benzo(a)pyrene	ND		1.00	1	06/08/2025 15:58	WG2533192
Bis(2-chlorethoxy)methane	ND		10.0	1	06/08/2025 15:58	WG2533192
Bis(2-chloroethyl)ether	ND		10.0	1	06/08/2025 15:58	WG2533192
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	06/08/2025 15:58	WG2533192

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
4-Bromophenyl-phenylether	ND		10.0	1	06/08/2025 15:58	WG2533192
2-Chloronaphthalene	ND		1.00	1	06/08/2025 15:58	WG2533192
4-Chlorophenyl-phenylether	ND		10.0	1	06/08/2025 15:58	WG2533192
Chrysene	ND		1.00	1	06/08/2025 15:58	WG2533192
Dibenz(a,h)anthracene	ND		1.00	1	06/08/2025 15:58	WG2533192
1,2-Dichlorobenzene	ND		10.0	1	06/08/2025 15:58	WG2533192
1,3-Dichlorobenzene	ND		10.0	1	06/08/2025 15:58	WG2533192
1,4-Dichlorobenzene	ND		10.0	1	06/08/2025 15:58	WG2533192
3,3-Dichlorobenzidine	ND		10.0	1	06/08/2025 15:58	WG2533192
2,4-Dinitrotoluene	ND		10.0	1	06/08/2025 15:58	WG2533192
2,6-Dinitrotoluene	ND		10.0	1	06/08/2025 15:58	WG2533192
Fluoranthene	ND		1.00	1	06/08/2025 15:58	WG2533192
Fluorene	ND		1.00	1	06/08/2025 15:58	WG2533192
Hexachlorobenzene	ND		1.00	1	06/08/2025 15:58	WG2533192
Hexachloro-1,3-butadiene	ND		10.0	1	06/08/2025 15:58	WG2533192
Hexachlorocyclopentadiene	ND		10.0	1	06/08/2025 15:58	WG2533192
Hexachloroethane	ND		10.0	1	06/08/2025 15:58	WG2533192
Indeno(1,2,3-cd)pyrene	ND		1.00	1	06/08/2025 15:58	WG2533192
Isophorone	ND		10.0	1	06/08/2025 15:58	WG2533192
1-Methylnaphthalene	ND		1.00	1	06/08/2025 15:58	WG2533192
2-Methylnaphthalene	ND		1.00	1	06/08/2025 15:58	WG2533192
Naphthalene	ND		1.00	1	06/08/2025 15:58	WG2533192
Nitrobenzene	ND		10.0	1	06/08/2025 15:58	WG2533192
n-Nitrosodimethylamine	ND		10.0	1	06/08/2025 15:58	WG2533192
n-Nitrosodiphenylamine	ND		10.0	1	06/08/2025 15:58	WG2533192
n-Nitrosodi-n-propylamine	ND		10.0	1	06/08/2025 15:58	WG2533192
Phenanthrene	ND		1.00	1	06/08/2025 15:58	WG2533192
Benzylbutyl phthalate	ND		3.00	1	06/08/2025 15:58	WG2533192
Bis(2-ethylhexyl)phthalate	ND		3.00	1	06/08/2025 15:58	WG2533192
Di-n-butyl phthalate	ND		3.00	1	06/08/2025 15:58	WG2533192
Diethyl phthalate	ND		3.00	1	06/08/2025 15:58	WG2533192
Dimethyl phthalate	ND		3.00	1	06/08/2025 15:58	WG2533192
Di-n-octyl phthalate	ND		3.00	1	06/08/2025 15:58	WG2533192
Pyrene	ND		1.00	1	06/08/2025 15:58	WG2533192
1,2,4-Trichlorobenzene	ND		10.0	1	06/08/2025 15:58	WG2533192
4-Chloro-3-methylphenol	ND		10.0	1	06/08/2025 15:58	WG2533192
2-Chlorophenol	ND		10.0	1	06/08/2025 15:58	WG2533192
2,4-Dichlorophenol	ND		10.0	1	06/08/2025 15:58	WG2533192
2,4-Dimethylphenol	ND		10.0	1	06/08/2025 15:58	WG2533192
4,6-Dinitro-2-methylphenol	ND		10.0	1	06/08/2025 15:58	WG2533192
2,4-Dinitrophenol	ND		10.0	1	06/08/2025 15:58	WG2533192
2-Nitrophenol	ND		10.0	1	06/08/2025 15:58	WG2533192
4-Nitrophenol	ND		10.0	1	06/08/2025 15:58	WG2533192
Pentachlorophenol	ND		10.0	1	06/08/2025 15:58	WG2533192
Phenol	ND		10.0	1	06/08/2025 15:58	WG2533192
2,4,6-Trichlorophenol	ND		10.0	1	06/08/2025 15:58	WG2533192
(S) 2-Fluorophenol	*39.3*		*10.0-120*		*06/08/2025 15:58*	WG2533192
(S) Phenol-d5	*27.6*		*10.0-120*		*06/08/2025 15:58*	WG2533192
(S) Nitrobenzene-d5	*73.8*		*10.0-127*		*06/08/2025 15:58*	WG2533192
(S) 2-Fluorobiphenyl	*67.8*		*10.0-130*		*06/08/2025 15:58*	WG2533192
(S) 2,4,6-Tribromophenol	*66.3*		*10.0-155*		*06/08/2025 15:58*	WG2533192
(S) p-Terphenyl-d14	*72.2*		*10.0-128*		*06/08/2025 15:58*	WG2533192

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	06/07/2025 15:27	WG2533281
Acrolein	ND		50.0	1	06/07/2025 15:27	WG2533281
Acrylonitrile	ND		10.0	1	06/07/2025 15:27	WG2533281
Benzene	ND		1.00	1	06/07/2025 15:27	WG2533281
Bromobenzene	ND		1.00	1	06/07/2025 15:27	WG2533281
Bromodichloromethane	ND		1.00	1	06/07/2025 15:27	WG2533281
Bromoform	ND	C3	1.00	1	06/07/2025 15:27	WG2533281
Bromomethane	ND	C3	5.00	1	06/07/2025 15:27	WG2533281
n-Butylbenzene	ND		1.00	1	06/07/2025 15:27	WG2533281
sec-Butylbenzene	ND		1.00	1	06/07/2025 15:27	WG2533281
tert-Butylbenzene	ND		1.00	1	06/07/2025 15:27	WG2533281
Carbon tetrachloride	ND		1.00	1	06/07/2025 15:27	WG2533281
Chlorobenzene	ND		1.00	1	06/07/2025 15:27	WG2533281
Chlorodibromomethane	ND		1.00	1	06/07/2025 15:27	WG2533281
Chloroethane	ND	C3	5.00	1	06/07/2025 15:27	WG2533281
Chloroform	ND		5.00	1	06/07/2025 15:27	WG2533281
Chloromethane	ND		2.50	1	06/07/2025 15:27	WG2533281
2-Chlorotoluene	ND		1.00	1	06/07/2025 15:27	WG2533281
4-Chlorotoluene	ND		1.00	1	06/07/2025 15:27	WG2533281
1,2-Dibromo-3-Chloropropane	ND	C3	5.00	1	06/07/2025 15:27	WG2533281
1,2-Dibromoethane	ND		1.00	1	06/07/2025 15:27	WG2533281
Dibromomethane	ND		1.00	1	06/07/2025 15:27	WG2533281
1,2-Dichlorobenzene	ND		1.00	1	06/07/2025 15:27	WG2533281
1,3-Dichlorobenzene	ND		1.00	1	06/07/2025 15:27	WG2533281
1,4-Dichlorobenzene	ND		1.00	1	06/07/2025 15:27	WG2533281
Dichlorodifluoromethane	ND	C3	5.00	1	06/07/2025 15:27	WG2533281
1,1-Dichloroethane	ND		1.00	1	06/07/2025 15:27	WG2533281
1,2-Dichloroethane	ND		1.00	1	06/07/2025 15:27	WG2533281
1,1-Dichloroethene	ND		1.00	1	06/07/2025 15:27	WG2533281
cis-1,2-Dichloroethene	ND		1.00	1	06/07/2025 15:27	WG2533281
trans-1,2-Dichloroethene	ND		1.00	1	06/07/2025 15:27	WG2533281
1,2-Dichloropropane	ND		1.00	1	06/07/2025 15:27	WG2533281
1,1-Dichloropropene	ND		1.00	1	06/07/2025 15:27	WG2533281
1,3-Dichloropropane	ND		1.00	1	06/07/2025 15:27	WG2533281
cis-1,3-Dichloropropene	ND		1.00	1	06/07/2025 15:27	WG2533281
trans-1,3-Dichloropropene	ND		1.00	1	06/07/2025 15:27	WG2533281
2,2-Dichloropropane	ND		1.00	1	06/07/2025 15:27	WG2533281
Di-isopropyl ether	ND		1.00	1	06/07/2025 15:27	WG2533281
Ethylbenzene	ND		1.00	1	06/07/2025 15:27	WG2533281
Hexachloro-1,3-butadiene	ND		1.00	1	06/07/2025 15:27	WG2533281
Isopropylbenzene	ND		1.00	1	06/07/2025 15:27	WG2533281
p-Isopropyltoluene	ND		1.00	1	06/07/2025 15:27	WG2533281
2-Butanone (MEK)	ND		10.0	1	06/07/2025 15:27	WG2533281
Methylene Chloride	ND		5.00	1	06/07/2025 15:27	WG2533281
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	06/07/2025 15:27	WG2533281
Methyl tert-butyl ether	ND		1.00	1	06/07/2025 15:27	WG2533281
Naphthalene	ND	C3	5.00	1	06/07/2025 15:27	WG2533281
n-Propylbenzene	ND		1.00	1	06/07/2025 15:27	WG2533281
Styrene	ND	C3	1.00	1	06/07/2025 15:27	WG2533281
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/07/2025 15:27	WG2533281
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/07/2025 15:27	WG2533281
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	06/07/2025 15:27	WG2533281
Tetrachloroethene	ND		1.00	1	06/07/2025 15:27	WG2533281
Toluene	ND	C3	1.00	1	06/07/2025 15:27	WG2533281
1,2,3-Trichlorobenzene	ND		1.00	1	06/07/2025 15:27	WG2533281
1,2,4-Trichlorobenzene	ND		1.00	1	06/07/2025 15:27	WG2533281

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		1.00	1	06/07/2025 15:27	WG2533281
1,1,2-Trichloroethane	ND		1.00	1	06/07/2025 15:27	WG2533281
Trichloroethene	ND		1.00	1	06/07/2025 15:27	WG2533281
Trichlorofluoromethane	ND	C3	5.00	1	06/07/2025 15:27	WG2533281
1,2,3-Trichloropropane	ND		2.50	1	06/07/2025 15:27	WG2533281
1,2,4-Trimethylbenzene	ND		1.00	1	06/07/2025 15:27	WG2533281
1,2,3-Trimethylbenzene	ND		1.00	1	06/07/2025 15:27	WG2533281
1,3,5-Trimethylbenzene	ND		1.00	1	06/07/2025 15:27	WG2533281
Vinyl chloride	ND	C3 J4	1.00	1	06/07/2025 15:27	WG2533281
Xylenes, Total	ND		3.00	1	06/07/2025 15:27	WG2533281
(S) Toluene-d8	*98.4*		*80.0-120*		*06/07/2025 15:27*	WG2533281
(S) 4-Bromofluorobenzene	*95.9*		*77.0-126*		*06/07/2025 15:27*	WG2533281
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*06/07/2025 15:27*	WG2533281

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.507	J	0.386	0.419	0.632	0.203	06/12/2025 18:24	WG2533179
(T) Barium	*89.2*					*30.0-143*	*06/12/2025 18:24*	WG2533179
(T) Yttrium	*105*					*30.0-136*	*06/12/2025 18:24*	WG2533179

Radiochemistry by Method D5174

Analyte	Result	Qualifier	Uncertainty	RDL	Analysis Date	Batch
	ug/l		+ / -	ug/l	date / time	
Uranium	19.3		0.735	1.00	06/12/2025 16:13	WG2534690

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	0.335		0.266	0.335	0.301	0.0911	06/10/2025 19:47	WG2533869
(T) Barium-133	*86.6*					*30.0-143*	*06/10/2025 19:47*	WG2533869

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.265	J	0.370	0.394	0.629	0.202	06/12/2025 18:24	WG2533179
(T) Barium	*89.1*					*30.0-143*	*06/12/2025 18:24*	WG2533179
(T) Yttrium	*103*					*30.0-136*	*06/12/2025 18:24*	WG2533179

Radiochemistry by Method D5174

Analyte	Result	Qualifier	Uncertainty	RDL	Analysis Date	Batch
	ug/l		+ / -	ug/l	date / time	
Uranium	3.19		0.128	1.00	06/12/2025 16:15	WG2534690

Radiochemistry by Method SM7500Ra B M

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-226	2.20		0.598	0.760	0.293	0.0861	06/10/2025 19:47	WG2533869
(T) Barium-133	*94.5*					*30.0-143*	*06/10/2025 19:47*	WG2533869

Method Blank (MB)

(MB) R4227381-1 06/07/25 14:33

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Dissolved Solids	U		10000	10000

L1867302-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-01 06/07/25 14:33 • (DUP) R4227381-3 06/07/25 14:33

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1290000	1280000	1	0.932		10

L1867318-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1867318-09 06/07/25 14:33 • (DUP) R4227381-4 06/07/25 14:33

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	310000	323000	1	4.11		10

Laboratory Control Sample (LCS)

(LCS) R4227381-2 06/07/25 14:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800000	8510000	96.7	90.0-110	

Method Blank (MB)

(MB) R4227574-1 06/08/25 11:04

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Suspended Solids	U		283	2500

L1867309-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1867309-05 06/08/25 11:04 • (DUP) R4227574-3 06/08/25 11:04

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	59200	54800	1	7.72		10

L1867309-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1867309-15 06/08/25 11:04 • (DUP) R4227574-4 06/08/25 11:04

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	185000	172000	1	7.14		10

Laboratory Control Sample (LCS)

(LCS) R4227574-2 06/08/25 11:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Suspended Solids	773000	792000	102	85.0-115	

Method Blank (MB)

(MB) R4229682-1 06/12/25 18:24

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.0695	U	0.321	0.559	0.182
(T) Barium	*92.4*		*92.4*		
(T) Yttrium	*107*		*107*		

L1867302-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-05 06/12/25 18:24 • (DUP) R4229682-5 06/12/25 18:24

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.507	0.386	0.632	0.203	0.395	0.511	0.864	0.277	24.7	0.174	J	20	3
(T) Barium	*89.2*				*84.8*	*84.8*							
(T) Yttrium	*105*				*106*	*106*							

Laboratory Control Sample (LCS)

(LCS) R4229682-2 06/12/25 18:24

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	4.48	89.6	80.0-120	
(T) Barium			*94.8*		
(T) Yttrium			*113*		

L1867309-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-30 06/12/25 18:24 • (MS) R4229682-3 06/12/25 18:24 • (MSD) R4229682-4 06/12/25 18:24

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	10.0	0.429	10.7	11.0	102	106	1	70.0-130			2.95		20
(T) Barium		*80.8*			*90.0*	*88.4*							
(T) Yttrium		*109*			*103*	*104*							

QUALITY CONTROL SUMMARY

L1867302-05,06

Method Blank (MB)

(MB) R4229539-1 06/12/25 16:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Uranium	U		1.00	1.00

L1867318-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1867318-23 06/12/25 16:46 • (DUP) R4229539-5 06/12/25 16:09

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Uranium	5.04	5.40	1	6.95		20

Laboratory Control Sample (LCS)

(LCS) R4229539-2 06/12/25 16:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Uranium	30.0	30.7	102	80.0-120	

L1867309-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-30 06/12/25 16:31 • (MS) R4229539-3 06/12/25 16:06 • (MSD) R4229539-4 06/12/25 16:07

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Uranium	20.0	9.36	30.4	30.4	105	105	1	75.0-125			0.0896	20

Method Blank (MB)

(MB) R4228566-1 06/10/25 19:47

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	-0.00572	U	0.0145	0.0552	0.0134
(T) Barium-133	*75.9*		*75.9*		

L1867309-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1867309-24 06/10/25 19:47 • (DUP) R4228566-5 06/10/25 19:47

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.407	0.330	0.386	0.124	0.158	0.234	0.351	0.106	88.4	0.617	J	20	3
(T) Barium-133	*84.4*				*83.6*	*83.6*							

Laboratory Control Sample (LCS)

(LCS) R4228566-2 06/10/25 19:47

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	5.80	116	80.0-120	
(T) Barium-133			*68.6*		

L1867309-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-30 06/10/25 19:47 • (MS) R4228566-3 06/10/25 19:47 • (MSD) R4228566-4 06/10/25 19:47

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.223	22.2	22.7	110	113	1	75.0-125			2.54		20
(T) Barium-133		*88.1*			*81.2*	*85.0*							

Method Blank (MB)

(MB) R4227795-1 06/09/25 17:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hardness (colorimetric) as CaCO3	U		10600	30000

Laboratory Control Sample (LCS)

(LCS) R4227795-2 06/09/25 17:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hardness (colorimetric) as CaCO3	200000	206000	103	85.0-115	

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/09/25 17:54 • (MS) R4227795-3 06/09/25 17:55 • (MSD) R4227795-4 06/09/25 17:56

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hardness (colorimetric) as CaCO3	200000	263000	443000	439000	90.0	88.0	1	80.0-120	E	E	0.907	20

L1867318-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867318-05 06/09/25 18:06 • (MS) R4227795-5 06/09/25 18:08 • (MSD) R4227795-6 06/09/25 18:09

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hardness (colorimetric) as CaCO3	200000	148000	349000	355000	101	104	1	80.0-120			1.70	20

Method Blank (MB)

(MB) R4227098-2 06/07/25 13:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Alkalinity	U		4750	20000
Alkalinity,Bicarbonate	U		4750	20000
Alkalinity,Carbonate	U		4750	20000

Sample Narrative:

BLANK: Endpoint pH 4.5

L1867309-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1867309-15 06/07/25 13:47 • (DUP) R4227098-3 06/07/25 13:50

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	115000	118000	1	2.25		20
Alkalinity,Bicarbonate	115000	118000	1	2.25		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

L1867318-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1867318-05 06/07/25 16:02 • (DUP) R4227098-4 06/07/25 16:07

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	77800	78900	1	1.38		20
Alkalinity,Bicarbonate	77800	78900	1	1.38		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 HEADSPACE

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R4227098-1 06/07/25 13:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	103000	103	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R4227220-1 06/07/25 17:12

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bromide	U		680	1000
Chloride	U		547	1000
Fluoride	U		76.1	150
Nitrate as (N)	U		88.4	100
Nitrite as (N)	U		79.4	100
Sulfate	U		637	5000

L1867302-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-03 06/07/25 18:06 • (DUP) R4227220-3 06/07/25 18:19

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Bromide	ND	ND	1	0.000		15
Chloride	13100	12800	1	2.33		15
Fluoride	331	318	1	4.19		15
Nitrate as (N)	390	362	1	7.31		15
Nitrite as (N)	ND	ND	1	0.000		15

L1867309-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1867309-15 06/07/25 21:28 • (DUP) R4227220-5 06/07/25 21:55

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Bromide	ND	ND	1	0.000		15
Chloride	22500	22000	1	2.19		15
Fluoride	393	386	1	1.62		15
Nitrate as (N)	490	484	1	1.19		15
Nitrite as (N)	ND	ND	1	0.000		15

L1867309-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1867309-15 06/07/25 21:41 • (DUP) R4227220-6 06/07/25 22:08

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	212000	251000	5	16.8	J3	15

Laboratory Control Sample (LCS)

(LCS) R4227220-2 06/07/25 17:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromide	40000	42700	107	90.0-110	
Chloride	40000	42200	106	90.0-110	
Fluoride	8000	8740	109	90.0-110	
Nitrate as (N)	8000	8730	109	90.0-110	
Nitrite as (N)	8000	8750	109	90.0-110	
Sulfate	40000	43200	108	90.0-110	

L1867302-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1867302-03 06/07/25 18:06 • (MS) R4227220-4 06/07/25 18:33

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Bromide	40000	ND	38100	95.3	1	90.0-110	
Chloride	40000	13100	48200	87.6	1	90.0-110	J6
Fluoride	8000	331	8210	98.5	1	90.0-110	
Nitrate as (N)	8000	390	8240	98.1	1	90.0-110	
Nitrite as (N)	8000	ND	7990	99.9	1	90.0-110	
Sulfate	40000	110000	120000	23.6	1	90.0-110	E J6

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/07/25 21:28 • (MS) R4227220-7 06/07/25 22:22 • (MSD) R4227220-8 06/07/25 22:37

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromide	40000	ND	36000	36400	90.0	91.1	1	90.0-110			1.19	15
Chloride	40000	22500	53700	54300	78.0	79.6	1	90.0-110	J6	J6	1.19	15
Fluoride	8000	393	7980	8070	94.8	95.9	1	90.0-110			1.07	15
Nitrate as (N)	8000	490	8080	8170	94.9	96.0	1	90.0-110			1.13	15
Nitrite as (N)	8000	ND	7730	7830	96.6	97.9	1	90.0-110			1.33	15
Sulfate	40000	239000	210000	211000	0.000	0.000	1	90.0-110	E V	E V	0.352	15

Method Blank (MB)

(MB) R4227403-1 06/08/25 19:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ammonia Nitrogen	U		53.9	100

L1867555-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1867555-05 06/08/25 19:39 • (DUP) R4227403-3 06/08/25 19:40

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	ND	ND	1	0.000		10

L1867555-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1867555-07 06/08/25 19:50 • (DUP) R4227403-6 06/08/25 19:51

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	ND	ND	1	0.000		10

Laboratory Control Sample (LCS)

(LCS) R4227403-2 06/08/25 19:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7500	7360	98.1	90.0-110	

L1867555-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867555-05 06/08/25 19:39 • (MS) R4227403-4 06/08/25 19:42 • (MSD) R4227403-5 06/08/25 19:43

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5000	ND	5110	5170	102	103	1	90.0-110			1.32	10

L1867555-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1867555-07 06/08/25 19:50 • (MS) R4227403-7 06/08/25 19:53

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5000	ND	5320	106	1	90.0-110	

Method Blank (MB)

(MB) R4229705-1 06/12/25 23:39

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Kjeldahl Nitrogen, TKN	U		131	250

L1868373-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1868373-13 06/13/25 00:05 • (DUP) R4229705-6 06/13/25 00:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Kjeldahl Nitrogen, TKN	751	718	1	4.45		20

L1868373-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1868373-15 06/13/25 00:09 • (DUP) R4229705-7 06/13/25 00:11

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Kjeldahl Nitrogen, TKN	861	1020	1	17.1		20

Laboratory Control Sample (LCS)

(LCS) R4229705-2 06/12/25 23:41

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Kjeldahl Nitrogen, TKN	15600	16000	103	90.0-110	

L1865467-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1865467-01 06/12/25 23:42 • (MS) R4229705-3 06/12/25 23:44

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Kjeldahl Nitrogen, TKN	5000	10100	14900	96.3	1	90.0-110	

L1865491-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1865491-01 06/12/25 23:46 • (MS) R4229705-4 06/12/25 23:48 • (MSD) R4229705-5 06/12/25 23:50

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Kjeldahl Nitrogen, TKN	5000	10600	16100	16800	109	124	1	90.0-110		J5	4.50	20

Method Blank (MB)

(MB) R4229212-2 06/11/25 16:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Phosphorus,Total	U		64.2	100

L1867302-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-01 06/11/25 16:50 • (DUP) R4229212-6 06/11/25 16:52

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Phosphorus,Total	828	951	1	13.8		20

L1867302-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-03 06/11/25 16:54 • (DUP) R4229212-8 06/11/25 16:56

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Phosphorus,Total	129	141	1	8.46		20

Laboratory Control Sample (LCS)

(LCS) R4229212-4 06/11/25 16:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phosphorus,Total	1700	1760	104	86.0-112	

L1867303-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1867303-01 06/11/25 16:58 • (MS) R4229212-10 06/11/25 17:00

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Phosphorus,Total	2500	573	206	0.000	1	86.0-112	J6

Sample Narrative:

OS: Spike failed due to matrix.

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/11/25 17:21 • (MS) R4229212-12 06/11/25 17:23 • (MSD) R4229212-3 06/11/25 17:25

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Phosphorus,Total	2500	849	2970	2980	84.7	85.1	1	86.0-112	J6	J6	0.286	20

Method Blank (MB)

(MB) R4227202-2 06/07/25 13:25

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	U		495	1000

L1867302-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-03 06/07/25 15:11 • (DUP) R4227202-5 06/07/25 15:33

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	4910	4830	1	1.64		20

L1867309-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1867309-17 06/07/25 21:13 • (DUP) R4227202-8 06/07/25 21:36

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	5100	5060	1	0.748		20

Laboratory Control Sample (LCS)

(LCS) R4227202-1 06/07/25 13:07

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25000	23900	95.6	80.0-120	

L1867302-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867302-01 06/07/25 13:53 • (MS) R4227202-3 06/07/25 14:21 • (MSD) R4227202-4 06/07/25 14:48

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	25000	18000	42100	42000	96.5	95.9	1	75.0-125			0.357	20

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/07/25 19:59 • (MS) R4227202-6 06/07/25 20:25 • (MSD) R4227202-7 06/07/25 20:50

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	25000	7100	31300	31200	96.6	96.5	1	75.0-125			0.0960	20

Method Blank (MB)

(MB) R4227069-1 06/07/25 15:33

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
MBAS	U		19.0	100

L1867302-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-01 06/07/25 15:35 • (DUP) R4227069-3 06/07/25 15:35

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
MBAS	106	113	1	6.39		20

L1867318-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867318-01 06/07/25 15:56 • (DUP) R4227069-6 06/07/25 15:56

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
MBAS	ND	ND	1	9.88		20

Laboratory Control Sample (LCS)

(LCS) R4227069-2 06/07/25 15:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
MBAS	1000	1050	105	85.0-115	

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/07/25 15:40 • (MS) R4227069-4 06/07/25 15:41 • (MSD) R4227069-5 06/07/25 15:41

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
MBAS	1000	ND	1010	1040	97.0	99.5	1	85.0-115			2.44	20

Method Blank (MB)

(MB) R4227899-1 06/09/25 21:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexavalent Chromium	U		0.100	0.500

L1867302-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-01 06/09/25 22:13 • (DUP) R4227899-3 06/09/25 22:26

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

L1867318-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867318-01 06/10/25 02:17 • (DUP) R4227899-6 06/10/25 02:56

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4227899-2 06/09/25 22:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	2.00	2.08	104	90.0-110	

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/10/25 01:00 • (MS) R4227899-4 06/10/25 01:13 • (MSD) R4227899-5 06/10/25 01:26

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	50.0	ND	49.3	49.6	98.5	99.3	1	90.0-110			0.753	20

L1867318-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867318-05 06/10/25 03:22 • (MS) R4227899-7 06/10/25 03:35 • (MSD) R4227899-8 06/10/25 03:48

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	50.0	ND	49.3	49.9	98.6	99.9	1	90.0-110			1.33	20

L1867302-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-01 06/07/25 16:15 • (DUP) R4227102-2 06/07/25 16:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.00	8.02	1	0.250		1

Sample Narrative:

OS: 8 at 22.7C

DUP: 8.02 at 22.7C

L1867318-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1867318-11 06/07/25 16:15 • (DUP) R4227102-3 06/07/25 16:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	8.15	8.15	1	0.000		1

Sample Narrative:

OS: 8.15 at 23C

DUP: 8.15 at 22.9C

Laboratory Control Sample (LCS)

(LCS) R4227102-1 06/07/25 16:15

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 at 23.3C

Method Blank (MB)

(MB) R4227140-1 06/07/25 20:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury	U		0.0700	0.200

Laboratory Control Sample (LCS)

(LCS) R4227140-2 06/07/25 20:04

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Mercury	3.00	3.09	103	80.0-120	

L1867302-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867302-01 06/07/25 20:06 • (MS) R4227140-4 06/07/25 20:17 • (MSD) R4227140-5 06/07/25 20:20

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	0.255	3.11	3.17	95.2	97.2	1	75.0-125			1.85	20

Method Blank (MB)

(MB) R4227322-1 06/08/25 15:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Aluminum,Dissolved	U		16.0	100
Arsenic,Dissolved	U		0.120	2.00
Cadmium,Dissolved	U		0.120	1.00
Chromium,Dissolved	U		0.900	2.00
Copper,Dissolved	U		0.700	5.00
Lead,Dissolved	U		0.500	2.00
Manganese,Dissolved	U		0.700	5.00
Nickel,Dissolved	1.04	J	0.500	2.00
Selenium,Dissolved	U		0.250	2.00
Silver,Dissolved	U		0.110	2.00
Zinc,Dissolved	U		4.00	25.0

Laboratory Control Sample (LCS)

(LCS) R4227322-2 06/08/25 15:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum,Dissolved	1000	972	97.2	80.0-120	
Arsenic,Dissolved	50.0	48.7	97.4	80.0-120	
Cadmium,Dissolved	50.0	52.7	105	80.0-120	
Chromium,Dissolved	50.0	50.0	100	80.0-120	
Copper,Dissolved	50.0	47.4	94.7	80.0-120	
Lead,Dissolved	50.0	48.5	96.9	80.0-120	
Manganese,Dissolved	50.0	49.1	98.2	80.0-120	
Nickel,Dissolved	50.0	51.5	103	80.0-120	
Selenium,Dissolved	50.0	48.7	97.5	80.0-120	
Silver,Dissolved	50.0	49.5	99.1	80.0-120	
Zinc,Dissolved	50.0	50.6	101	80.0-120	

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/08/25 15:35 • (MS) R4227322-4 06/08/25 15:41 • (MSD) R4227322-5 06/08/25 15:44

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum,Dissolved	1000	ND	982	999	98.2	99.9	1	75.0-125			1.74	20
Arsenic,Dissolved	50.0	ND	51.0	51.3	98.6	99.1	1	75.0-125			0.560	20
Cadmium,Dissolved	50.0	ND	53.6	53.9	107	108	1	75.0-125			0.596	20
Chromium,Dissolved	50.0	ND	50.1	50.5	100	101	1	75.0-125			0.808	20
Copper,Dissolved	50.0	ND	52.8	53.4	103	104	1	75.0-125			1.15	20

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/08/25 15:35 • (MS) R4227322-4 06/08/25 15:41 • (MSD) R4227322-5 06/08/25 15:44

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead,Dissolved	50.0	ND	49.1	48.6	98.2	97.1	1	75.0-125			1.07	20
Manganese,Dissolved	50.0	31.4	80.1	80.8	97.4	98.8	1	75.0-125			0.865	20
Nickel,Dissolved	50.0	ND	51.5	52.3	99.7	101	1	75.0-125			1.57	20
Selenium,Dissolved	50.0	ND	50.5	50.9	98.8	99.6	1	75.0-125			0.812	20
Silver,Dissolved	50.0	ND	50.6	50.9	101	102	1	75.0-125			0.683	20
Zinc,Dissolved	50.0	ND	49.7	50.8	99.5	102	1	75.0-125			2.16	20

Method Blank (MB)

(MB) R4227335-1 06/08/25 17:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Aluminum	17.4	J	16.0	100
Antimony	U		0.310	4.00
Arsenic	U		0.120	2.00
Barium	U		0.500	2.00
Beryllium	U		0.200	2.00
Boron	U		9.03	30.0
Cadmium	U		0.120	1.00
Calcium	U		92.5	1000
Chromium	U		0.900	2.00
Copper	U		0.700	5.00
Cobalt	U		0.100	2.00
Iron	U		22.6	100
Lead	U		0.500	2.00
Magnesium	U		82.7	1000
Manganese	U		0.700	5.00
Nickel	U		0.500	2.00
Potassium	U		96.5	2000
Selenium	U		0.250	2.00
Silver	U		0.110	2.00
Thallium	U		0.130	2.00
Vanadium	U		0.520	5.00
Zinc	U		4.00	25.0

Method Blank (MB)

(MB) R4227359-1 06/08/25 18:45

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Sodium	U		142	2000

Laboratory Control Sample (LCS)

(LCS) R4227335-2 06/08/25 17:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000	1010	101	80.0-120	
Antimony	50.0	48.3	96.6	80.0-120	
Arsenic	50.0	50.9	102	80.0-120	
Barium	50.0	48.3	96.6	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4227335-2 06/08/25 17:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Beryllium	50.0	46.5	93.0	80.0-120	
Boron	50.0	46.4	92.9	80.0-120	
Cadmium	50.0	54.5	109	80.0-120	
Calcium	5000	5210	104	80.0-120	
Chromium	50.0	53.5	107	80.0-120	
Copper	50.0	50.5	101	80.0-120	
Cobalt	50.0	54.3	109	80.0-120	
Iron	1000	1050	105	80.0-120	
Lead	50.0	50.9	102	80.0-120	
Magnesium	5000	5210	104	80.0-120	
Manganese	50.0	52.4	105	80.0-120	
Nickel	50.0	54.9	110	80.0-120	
Potassium	5000	5080	102	80.0-120	
Selenium	50.0	51.2	102	80.0-120	
Silver	50.0	55.1	110	80.0-120	
Thallium	50.0	51.5	103	80.0-120	
Vanadium	50.0	52.5	105	80.0-120	
Zinc	50.0	52.3	105	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4227359-2 06/08/25 18:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sodium	5000	5370	107	80.0-120	

L1867318-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867318-05 06/08/25 17:21 • (MS) R4227335-4 06/08/25 17:27 • (MSD) R4227335-5 06/08/25 17:30

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	1000	635	1690	1830	105	120	1	75.0-125			8.16	20
Antimony	50.0	ND	50.8	48.6	102	97.2	1	75.0-125			4.38	20
Arsenic	50.0	ND	52.8	51.3	104	101	1	75.0-125			2.86	20
Barium	50.0	39.2	89.9	89.7	101	101	1	75.0-125			0.165	20
Beryllium	50.0	ND	46.9	45.2	93.8	90.3	1	75.0-125			3.80	20
Boron	50.0	44.0	91.9	89.6	95.8	91.4	1	75.0-125			2.45	20
Cadmium	50.0	ND	55.1	53.4	110	107	1	75.0-125			3.15	20
Calcium	5000	39600	44800	44500	105	98.7	1	75.0-125			0.697	20

L1867318-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867318-05 06/08/25 17:21 • (MS) R4227335-4 06/08/25 17:27 • (MSD) R4227335-5 06/08/25 17:30

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chromium	50.0	ND	54.3	53.2	109	106	1	75.0-125			2.13	20
Copper	50.0	ND	50.8	54.3	96.1	103	1	75.0-125			6.53	20
Cobalt	50.0	ND	55.4	53.4	110	106	1	75.0-125			3.66	20
Iron	1000	466	1570	1720	111	126	1	75.0-125		J5	9.12	20
Lead	50.0	ND	52.9	50.9	103	99.1	1	75.0-125			3.77	20
Magnesium	5000	15500	20600	20600	102	103	1	75.0-125			0.334	20
Manganese	50.0	43.5	96.3	95.6	106	104	1	75.0-125			0.758	20
Nickel	50.0	ND	55.6	53.6	109	105	1	75.0-125			3.66	20
Potassium	5000	2340	7510	7310	103	99.3	1	75.0-125			2.73	20
Selenium	50.0	ND	54.2	52.3	107	103	1	75.0-125			3.61	20
Silver	50.0	ND	55.7	54.5	111	109	1	75.0-125			2.23	20
Thallium	50.0	ND	51.9	50.4	104	101	1	75.0-125			2.92	20
Vanadium	50.0	ND	57.2	55.1	109	104	1	75.0-125			3.76	20
Zinc	50.0	ND	58.7	56.2	107	102	1	75.0-125			4.40	20

L1867318-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867318-05 06/08/25 18:51 • (MS) R4227359-4 06/08/25 18:58 • (MSD) R4227359-5 06/08/25 19:01

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sodium	5000	21400	26700	26100	106	93.4	1	75.0-125			2.42	20

Method Blank (MB)

(MB) R4227126-2 06/07/25 13:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPH (GC/FID) Low Fraction	U		59.4	100
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4227126-1 06/07/25 11:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5000	4780	95.6	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*111*	*78.0-120*	

Method Blank (MB)

(MB) R4227145-2 06/07/25 12:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	0.422	J	0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4227145-2 06/07/25 12:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*99.8*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4227145-1 06/07/25 12:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	23.7	94.8	19.0-160	
Acrolein	25.0	21.6	86.4	10.0-160	
Acrylonitrile	25.0	24.8	99.2	55.0-149	
Benzene	5.00	4.16	83.2	70.0-123	

Laboratory Control Sample (LCS)

(LCS) R4227145-1 06/07/25 12:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromobenzene	5.00	4.23	84.6	73.0-121	
Bromodichloromethane	5.00	4.65	93.0	75.0-120	
Bromoform	5.00	3.78	75.6	68.0-132	
Bromomethane	5.00	2.00	40.0	10.0-160	
n-Butylbenzene	5.00	4.50	90.0	73.0-125	
sec-Butylbenzene	5.00	4.64	92.8	75.0-125	
tert-Butylbenzene	5.00	4.37	87.4	76.0-124	
Carbon tetrachloride	5.00	4.70	94.0	68.0-126	
Chlorobenzene	5.00	4.01	80.2	80.0-121	
Chlorodibromomethane	5.00	4.37	87.4	77.0-125	
Chloroethane	5.00	3.03	60.6	47.0-150	
Chloroform	5.00	4.40	88.0	73.0-120	
Chloromethane	5.00	6.47	129	41.0-142	
2-Chlorotoluene	5.00	4.37	87.4	76.0-123	
4-Chlorotoluene	5.00	4.51	90.2	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	3.87	77.4	58.0-134	
1,2-Dibromoethane	5.00	4.16	83.2	80.0-122	
Dibromomethane	5.00	4.37	87.4	80.0-120	
1,2-Dichlorobenzene	5.00	4.26	85.2	79.0-121	
1,3-Dichlorobenzene	5.00	4.31	86.2	79.0-120	
1,4-Dichlorobenzene	5.00	4.26	85.2	79.0-120	
Dichlorodifluoromethane	5.00	3.61	72.2	51.0-149	
1,1-Dichloroethane	5.00	4.65	93.0	70.0-126	
1,2-Dichloroethane	5.00	4.47	89.4	70.0-128	
1,1-Dichloroethene	5.00	4.21	84.2	71.0-124	
cis-1,2-Dichloroethene	5.00	4.30	86.0	73.0-120	
trans-1,2-Dichloroethene	5.00	4.53	90.6	73.0-120	
1,2-Dichloropropane	5.00	4.47	89.4	77.0-125	
1,1-Dichloropropene	5.00	4.45	89.0	74.0-126	
1,3-Dichloropropane	5.00	4.38	87.6	80.0-120	
cis-1,3-Dichloropropene	5.00	4.44	88.8	80.0-123	
trans-1,3-Dichloropropene	5.00	4.57	91.4	78.0-124	
2,2-Dichloropropane	5.00	5.03	101	58.0-130	
Di-isopropyl ether	5.00	5.66	113	58.0-138	
Ethylbenzene	5.00	4.06	81.2	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.40	88.0	54.0-138	
Isopropylbenzene	5.00	4.05	81.0	76.0-127	
p-Isopropyltoluene	5.00	4.48	89.6	76.0-125	
2-Butanone (MEK)	25.0	25.3	101	44.0-160	
Methylene Chloride	5.00	4.18	83.6	67.0-120	

Laboratory Control Sample (LCS)

(LCS) R4227145-1 06/07/25 12:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Methyl-2-pentanone (MIBK)	25.0	28.8	115	68.0-142	
Methyl tert-butyl ether	5.00	4.40	88.0	68.0-125	
Naphthalene	5.00	3.78	75.6	54.0-135	
n-Propylbenzene	5.00	4.42	88.4	77.0-124	
Styrene	5.00	3.87	77.4	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.18	83.6	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.73	94.6	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.39	87.8	69.0-132	
Tetrachloroethene	5.00	4.04	80.8	72.0-132	
Toluene	5.00	3.96	79.2	79.0-120	
1,2,3-Trichlorobenzene	5.00	4.05	81.0	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.06	81.2	57.0-137	
1,1,1-Trichloroethane	5.00	4.98	99.6	73.0-124	
1,1,2-Trichloroethane	5.00	4.26	85.2	80.0-120	
Trichloroethene	5.00	4.16	83.2	78.0-124	
Trichlorofluoromethane	5.00	3.80	76.0	59.0-147	
1,2,3-Trichloropropane	5.00	5.03	101	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.44	88.8	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.46	89.2	77.0-120	
1,3,5-Trimethylbenzene	5.00	4.57	91.4	76.0-122	
Vinyl chloride	5.00	3.14	62.8	67.0-131	J4
Xylenes, Total	15.0	12.0	80.0	79.0-123	
(S) Toluene-d8			*97.8*	*80.0-120*	
(S) 4-Bromofluorobenzene			*96.0*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*110*	*70.0-130*	

Method Blank (MB)

(MB) R4227131-1 06/07/25 14:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
C10-C28 Diesel Range	U		60.5	100
C28-C36 Motor Oil Range	U		77.2	100
(S) o-Terphenyl	*105*			*52.0-156*

Laboratory Control Sample (LCS)

(LCS) R4227131-2 06/07/25 15:17

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
C10-C28 Diesel Range	1500	1730	115	50.0-150	
(S) o-Terphenyl			*112*	*52.0-156*	

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/08/25 02:27 • (MS) R4227131-3 06/08/25 02:50 • (MSD) R4227131-4 06/08/25 03:12

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
C10-C28 Diesel Range	1430	155	1840	1860	118	119	1	50.0-150			1.08	20
(S) o-Terphenyl					*119*	*121*		*52.0-156*				

Method Blank (MB)

(MB) R4227387-2 06/08/25 15:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acenaphthene	U		0.246	1.00
Acenaphthylene	U		0.265	1.00
Anthracene	U		0.196	1.00
Benzidine	U		10.3	20.0
Benzo(a)anthracene	U		0.208	1.00
Benzo(b)fluoranthene	U		0.280	1.00
Benzo(k)fluoranthene	U		0.247	1.00
Benzo(g,h,i)perylene	U		0.254	1.00
Benzo(a)pyrene	U		0.128	1.00
Bis(2-chlorethoxy)methane	U		1.88	10.0
Bis(2-chloroethyl)ether	U		2.05	10.0
2,2-Oxybis(1-Chloropropane)	U		1.91	10.0
4-Bromophenyl-phenylether	U		2.67	10.0
2-Chloronaphthalene	U		0.259	1.00
4-Chlorophenyl-phenylether	U		2.22	10.0
Chrysene	U		0.279	1.00
Dibenz(a,h)anthracene	U		0.148	1.00
1,2-Dichlorobenzene	U		2.20	10.0
1,3-Dichlorobenzene	U		2.21	10.0
1,4-Dichlorobenzene	U		2.23	10.0
3,3-Dichlorobenzidine	U		7.58	10.0
2,4-Dinitrotoluene	U		1.87	10.0
2,6-Dinitrotoluene	U		1.86	10.0
Fluoranthene	U		0.229	1.00
Fluorene	U		0.277	1.00
Hexachlorobenzene	U		0.259	1.00
Hexachloro-1,3-butadiene	U		2.27	10.0
Hexachlorocyclopentadiene	U		2.81	10.0
Hexachloroethane	U		2.15	10.0
Indeno(1,2,3-cd)pyrene	U		0.285	1.00
Isophorone	U		1.72	10.0
1-Methylnaphthalene	U		0.245	1.00
2-Methylnaphthalene	U		0.276	1.00
Naphthalene	U		0.678	1.00
Nitrobenzene	U		1.97	10.0
n-Nitrosodimethylamine	U		2.80	10.0
n-Nitrosodiphenylamine	U		2.02	10.0
n-Nitrosodi-n-propylamine	U		2.02	10.0
Phenanthrene	U		0.219	1.00
Benzylbutyl phthalate	U		1.13	3.00

Method Blank (MB)

(MB) R4227387-2 06/08/25 15:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bis(2-ethylhexyl)phthalate	U		1.65	3.00
Di-n-butyl phthalate	U		0.794	3.00
Diethyl phthalate	U		0.861	3.00
Dimethyl phthalate	U		0.772	3.00
Di-n-octyl phthalate	U		1.33	3.00
Pyrene	U		0.259	1.00
1,2,4-Trichlorobenzene	U		2.30	10.0
4-Chloro-3-methylphenol	U		2.28	10.0
2-Chlorophenol	U		2.11	10.0
2,4-Dichlorophenol	U		2.41	10.0
2,4-Dimethylphenol	U		4.33	10.0
4,6-Dinitro-2-methylphenol	U		3.49	10.0
2,4-Dinitrophenol	U		5.71	10.0
2-Nitrophenol	U		2.60	10.0
4-Nitrophenol	U		7.55	10.0
Pentachlorophenol	U		0.708	10.0
Phenol	U		0.757	10.0
2,4,6-Trichlorophenol	U		2.38	10.0
(S) 2-Fluorophenol	*39.7*			*10.0-120*
(S) Phenol-d5	*27.8*			*10.0-120*
(S) Nitrobenzene-d5	*74.3*			*10.0-127*
(S) 2-Fluorobiphenyl	*69.4*			*10.0-130*
(S) 2,4,6-Tribromophenol	*57.5*			*10.0-155*
(S) p-Terphenyl-d14	*86.2*			*10.0-128*

Laboratory Control Sample (LCS)

(LCS) R4227387-1 06/08/25 14:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	50.0	43.4	86.8	41.0-120	
Acenaphthylene	50.0	40.1	80.2	43.0-120	
Anthracene	50.0	45.3	90.6	45.0-120	
Benzidine	100	U	0.000	10.0-120	J4
Benzo(a)anthracene	50.0	44.4	88.8	47.0-120	
Benzo(b)fluoranthene	50.0	48.3	96.6	46.0-120	
Benzo(k)fluoranthene	50.0	47.9	95.8	46.0-120	
Benzo(g,h,i)perylene	50.0	44.2	88.4	48.0-121	
Benzo(a)pyrene	50.0	42.7	85.4	47.0-120	

Laboratory Control Sample (LCS)

(LCS) R4227387-1 06/08/25 14:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bis(2-chlorethoxy)methane	50.0	41.3	82.6	33.0-120	
Bis(2-chloroethyl)ether	50.0	46.3	92.6	23.0-120	
2,2-Oxybis(1-Chloropropane)	50.0	41.9	83.8	28.0-120	
4-Bromophenyl-phenylether	50.0	46.0	92.0	45.0-120	
2-Chloronaphthalene	50.0	39.9	79.8	37.0-120	
4-Chlorophenyl-phenylether	50.0	43.0	86.0	44.0-120	
Chrysene	50.0	42.5	85.0	48.0-120	
Dibenz(a,h)anthracene	50.0	43.3	86.6	47.0-120	
1,2-Dichlorobenzene	50.0	37.0	74.0	20.0-120	
1,3-Dichlorobenzene	50.0	36.2	72.4	17.0-120	
1,4-Dichlorobenzene	50.0	36.2	72.4	18.0-120	
3,3-Dichlorobenzidine	100	69.2	69.2	44.0-120	
2,4-Dinitrotoluene	50.0	46.9	93.8	49.0-124	
2,6-Dinitrotoluene	50.0	46.7	93.4	46.0-120	
Fluoranthene	50.0	46.2	92.4	51.0-120	
Fluorene	50.0	41.7	83.4	47.0-120	
Hexachlorobenzene	50.0	40.7	81.4	44.0-120	
Hexachloro-1,3-butadiene	50.0	33.3	66.6	19.0-120	
Hexachlorocyclopentadiene	50.0	11.0	22.0	15.0-120	
Hexachloroethane	50.0	36.2	72.4	15.0-120	
Indeno(1,2,3-cd)pyrene	50.0	45.7	91.4	49.0-122	
Isophorone	50.0	41.8	83.6	36.0-120	
1-Methylnaphthalene	50.0	38.7	77.4	33.0-120	
2-Methylnaphthalene	50.0	40.4	80.8	33.0-120	
Naphthalene	50.0	35.6	71.2	27.0-120	
Nitrobenzene	50.0	39.1	78.2	27.0-120	
n-Nitrosodimethylamine	50.0	25.6	51.2	10.0-120	
n-Nitrosodiphenylamine	50.0	44.4	88.8	47.0-120	
n-Nitrosodi-n-propylamine	50.0	49.5	99.0	31.0-120	
Phenanthrene	50.0	43.5	87.0	46.0-120	
Benzylbutyl phthalate	50.0	51.0	102	43.0-121	
Bis(2-ethylhexyl)phthalate	50.0	49.3	98.6	43.0-122	
Di-n-butyl phthalate	50.0	52.3	105	49.0-121	
Diethyl phthalate	50.0	48.2	96.4	48.0-122	
Dimethyl phthalate	50.0	46.5	93.0	48.0-120	
Di-n-octyl phthalate	50.0	50.8	102	42.0-125	
Pyrene	50.0	48.3	96.6	47.0-120	
1,2,4-Trichlorobenzene	50.0	34.5	69.0	24.0-120	
4-Chloro-3-methylphenol	50.0	37.5	75.0	40.0-120	
2-Chlorophenol	50.0	33.3	66.6	25.0-120	

Laboratory Control Sample (LCS)

(LCS) R4227387-1 06/08/25 14:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4-Dichlorophenol	50.0	36.6	73.2	36.0-120	
2,4-Dimethylphenol	50.0	35.2	70.4	33.0-120	
4,6-Dinitro-2-methylphenol	50.0	41.3	82.6	38.0-138	
2,4-Dinitrophenol	50.0	36.4	72.8	10.0-120	
2-Nitrophenol	50.0	40.6	81.2	31.0-120	
4-Nitrophenol	50.0	18.5	37.0	10.0-120	
Pentachlorophenol	50.0	29.0	58.0	23.0-120	
Phenol	50.0	17.4	34.8	10.0-120	
2,4,6-Trichlorophenol	50.0	43.5	87.0	42.0-120	
(S) 2-Fluorophenol			*46.8*	*10.0-120*	
(S) Phenol-d5			*33.2*	*10.0-120*	
(S) Nitrobenzene-d5			*73.2*	*10.0-127*	
(S) 2-Fluorobiphenyl			*77.4*	*10.0-130*	
(S) 2,4,6-Tribromophenol			*81.0*	*10.0-155*	
(S) p-Terphenyl-d14			*88.7*	*10.0-128*	

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/08/25 19:14 • (MS) R4227387-3 06/08/25 19:36 • (MSD) R4227387-4 06/08/25 19:57

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	47.6	ND	32.3	28.0	67.9	62.8	1	28.0-120			14.3	25
Acenaphthylene	47.6	ND	31.2	27.2	65.5	61.0	1	31.0-121			13.7	25
Anthracene	47.6	ND	30.6	26.4	64.3	59.2	1	36.0-120			14.7	23
Benzidine	95.2	ND	ND	ND	0.000	0.000	1	10.0-120	J6	J6	0.000	37
Benzo(a)anthracene	47.6	ND	27.1	21.9	56.9	49.1	1	39.0-120			21.2	23
Benzo(b)fluoranthene	47.6	ND	26.4	20.8	55.5	46.6	1	37.0-120		J3	23.7	23
Benzo(k)fluoranthene	47.6	ND	26.4	20.8	55.5	46.6	1	37.0-120			23.7	26
Benzo(g,h,i)perylene	47.6	ND	22.0	16.9	46.2	37.9	1	37.0-123		J3	26.2	25
Benzo(a)pyrene	47.6	ND	24.3	19.0	51.1	42.6	1	37.0-120		J3	24.5	24
Bis(2-chlorethoxy)methane	47.6	ND	36.6	31.8	76.9	71.3	1	17.0-120			14.0	31
Bis(2-chloroethyl)ether	47.6	ND	37.9	32.7	79.6	73.3	1	14.0-120			14.7	33
2,2-Oxybis(1-Chloropropane)	47.6	ND	34.6	29.5	72.7	66.1	1	18.0-120			15.9	34
4-Bromophenyl-phenylether	47.6	ND	34.4	29.0	72.3	65.0	1	37.0-120			17.0	24
2-Chloronaphthalene	47.6	ND	30.6	26.9	64.3	60.3	1	29.0-120			12.9	28
4-Chlorophenyl-phenylether	47.6	ND	32.1	27.3	67.4	61.2	1	36.0-120			16.2	23
Chrysene	47.6	ND	26.1	20.7	54.8	46.4	1	38.0-120		J3	23.1	23
Dibenz(a,h)anthracene	47.6	ND	21.4	17.0	45.0	38.1	1	36.0-121			22.9	24
1,2-Dichlorobenzene	47.6	ND	27.9	24.9	58.6	55.8	1	18.0-120			11.4	40

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/08/25 19:14 • (MS) R4227387-3 06/08/25 19:36 • (MSD) R4227387-4 06/08/25 19:57

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,3-Dichlorobenzene	47.6	ND	27.1	23.7	56.9	53.1	1	15.0-120			13.4	40
1,4-Dichlorobenzene	47.6	ND	27.5	24.0	57.8	53.8	1	17.0-120			13.6	40
3,3-Dichlorobenzidine	95.2	ND	32.0	25.6	33.6	28.7	1	10.0-134			22.2	30
2,4-Dinitrotoluene	47.6	ND	39.2	34.7	82.4	77.8	1	39.0-125			12.2	25
2,6-Dinitrotoluene	47.6	ND	39.1	34.6	82.1	77.6	1	36.0-120			12.2	27
Fluoranthene	47.6	ND	31.0	26.6	65.1	59.6	1	41.0-121			15.3	22
Fluorene	47.6	ND	32.2	27.9	67.6	62.6	1	37.0-120			14.3	24
Hexachlorobenzene	47.6	ND	28.8	23.2	60.5	52.0	1	35.0-122			21.5	24
Hexachloro-1,3-butadiene	47.6	ND	23.5	18.2	49.4	40.8	1	12.0-120			25.4	34
Hexachlorocyclopentadiene	47.6	ND	ND	ND	18.6	16.1	1	10.0-120			20.8	33
Hexachloroethane	47.6	ND	26.1	22.7	54.8	50.9	1	10.0-120			13.9	40
Indeno(1,2,3-cd)pyrene	47.6	ND	22.4	17.6	47.1	39.5	1	38.0-125			24.0	24
Isophorone	47.6	ND	37.2	33.1	78.2	74.2	1	21.0-120			11.7	27
1-Methylnaphthalene	47.6	ND	29.9	24.0	62.8	53.8	1	11.0-120			21.9	27
2-Methylnaphthalene	47.6	ND	31.2	25.4	65.5	57.0	1	17.0-120			20.5	28
Naphthalene	47.6	ND	27.7	23.2	58.2	52.0	1	10.0-120			17.7	31
Nitrobenzene	47.6	ND	35.1	30.4	73.7	68.2	1	12.0-120			14.4	30
n-Nitrosodimethylamine	47.6	ND	20.8	17.8	43.7	39.9	1	10.0-120			15.5	40
n-Nitrosodiphenylamine	47.6	ND	30.1	26.7	63.2	59.9	1	37.0-120			12.0	24
n-Nitrosodi-n-propylamine	47.6	ND	43.3	37.2	91.0	83.4	1	16.0-120			15.2	30
Phenanthrene	47.6	ND	31.6	27.3	66.4	61.2	1	33.0-120			14.6	22
Benzylbutyl phthalate	47.6	ND	34.1	29.5	71.6	66.1	1	34.0-126			14.5	24
Bis(2-ethylhexyl)phthalate	47.6	ND	23.8	19.2	50.0	43.0	1	33.0-126			21.4	25
Di-n-butyl phthalate	47.6	ND	36.4	32.0	76.5	71.7	1	35.0-128			12.9	23
Diethyl phthalate	47.6	ND	38.6	34.5	81.1	77.4	1	39.0-125			11.2	24
Dimethyl phthalate	47.6	ND	39.5	34.9	83.0	78.3	1	37.0-120			12.4	24
Di-n-octyl phthalate	47.6	ND	23.7	19.2	49.8	43.0	1	25.0-135			21.0	26
Pyrene	47.6	ND	31.6	26.7	66.4	59.9	1	39.0-120			16.8	22
1,2,4-Trichlorobenzene	47.6	ND	25.8	22.6	54.2	50.7	1	15.0-120			13.2	31
4-Chloro-3-methylphenol	47.6	ND	29.0	21.9	60.9	49.1	1	26.0-120		J3	27.9	27
2-Chlorophenol	47.6	ND	24.5	19.5	51.5	43.7	1	18.0-120			22.7	34
2,4-Dichlorophenol	47.6	ND	27.7	23.1	58.2	51.8	1	19.0-120			18.1	27
2,4-Dimethylphenol	47.6	ND	25.8	21.3	54.2	47.8	1	15.0-120			19.1	28
4,6-Dinitro-2-methylphenol	47.6	ND	31.2	28.1	65.5	63.0	1	10.0-144			10.5	39
2,4-Dinitrophenol	47.6	ND	27.5	24.5	57.8	54.9	1	10.0-120			11.5	40
2-Nitrophenol	47.6	ND	31.8	26.8	66.8	60.1	1	20.0-120			17.1	30
4-Nitrophenol	47.6	ND	13.8	11.7	29.0	26.2	1	10.0-120			16.5	40
Pentachlorophenol	47.6	ND	19.6	19.0	41.2	42.6	1	10.0-128			3.11	37
Phenol	47.6	ND	15.0	11.1	29.0	22.2	1	10.0-120			29.9	40
2,4,6-Trichlorophenol	47.6	ND	33.4	29.0	70.2	65.0	1	26.0-120			14.1	31

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/08/25 19:14 • (MS) R4227387-3 06/08/25 19:36 • (MSD) R4227387-4 06/08/25 19:57

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) 2-Fluorophenol					*34.7*	*29.9*		*10.0-120*				
(S) Phenol-d5					*27.6*	*23.1*		*10.0-120*				
(S) Nitrobenzene-d5					*65.7*	*61.5*		*10.0-127*				
(S) 2-Fluorobiphenyl					*60.1*	*54.7*		*10.0-130*				
(S) 2,4,6-Tribromophenol					*61.1*	*59.0*		*10.0-155*				
(S) p-Terphenyl-d14					*32.5*	*26.5*		*10.0-128*				

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

MDA	Minimum Detectable Activity.
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	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).
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
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.
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.
J4	The associated batch QC was outside the established quality control range for accuracy.

GLOSSARY OF TERMS

Qualifier	Description
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.
T8	Sample(s) received past/too close to holding time expiration.
U	Below Detectable Limits: Indicates that the analyte was not detected.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

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

E148

L1867302

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 Loss of Containment

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

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

Purchase Order # (if applicable):

Quote #:

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

County / State origin of sample(s): CO

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

Regulatory Program (DW, RCRA, etc.) as applicable:

Reportable [ ] Yes [ ] No

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

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

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

Analysis: Dissolved Metals

* 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)

**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	VOCs 8260D; TPH-GRO/DRO/ORO 8015D	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium 7199	TDS SM 2540C; TSS SM 2540D	Anions 300.0; Alkalinity SM 2320 B-2011; pH 9040C	PT 365.4; Total N, TKN, NH3 351.2, 353.2, 350.1, SM 4500 Norg	TOC by SM 5310B	Radium 226 SM7500Ra B M; Radium 228 EPA 904/9320	Uranium KPA-U ASTM D5174M	MBAS SM 5540C
Specify Container Size **	6 x 7	5 x 2	3 x 1	3 x 1	10 x 1	1 x 2	3, 4	3 x 1	3 x 1	1 x 1	1 x 1	2 x 1
Identify Container Preservative Type***	4	1	2	2	11	1	1	3	3	2	2	1

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

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	VOCs 8260D; TPH-GRO/DRO/ORO 8015D	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium 7199	TDS SM 2540C; TSS SM 2540D	Anions 300.0; Alkalinity; pH	PT 365.4; Total N, TKN, NH3	TOC by SM 5310B	Radium 226/228	Uranium KPA-U ASTM D5174M	MBAS SM 5540C	Sample Comment
GAC00606T161W001	SW	G	-	-	06/06/25	1257	21	-	-	X	X	X	X	X	X	X	X	X	X	X	X	01 / 105
GAC00606T161WT001	OT	-	-	-	06/06/25	0700	1	-	-	X	-	-	-	-	-	-	-	-	-	-	-	02

MB

Sample Receipt Checklist

COC Seal Present/Intact: ✓Y N NP

COC Signed/Accurate: ✓Y N

Bottles arrive intact: ✓Y N

Correct bottles used: ✓Y N

Sufficient volume sent: ✓Y N

RA Screen <0.5 mR/hr: ✓Y N

If Applicable

VOA Zero Headspace: ✓Y N

Pres. Correct/Check: ✓Y N

Condition: NCF / ✓OK

TLA9 3.3+0.4=3.7

Preservation non-conformance identified for sample.

Additional Instructions from Pace®: VOC and SVOC full list; Total Metals TAL+B; Dissolved Metals Al, As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn; Anions Br, Cl, F, SO4, NO2, NO3

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] / Pace	6-7-25 / 1015

Tracking Number: N/A

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

Page: 1 of 2

GAC00606T161W

Pace® Location Requested (City/State):

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

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

U607852

Company Name: CTEH, LLC

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

Customer Project #: PROJ-054017

Project Name: Bishop Loss of Containment

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

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

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

Invoice to: CTEH

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

Purchase Order # (if applicable):

Quote #:

County / State origin of sample(s): CO

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

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

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

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

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

Analysis: Dissolved Metals

* 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 **

6 x 7	5 x 2	3 x 1	3 x 1	10 x 1	1 x 2	3, 4	3 x 1	3 x 1	1 x 1	1 x 1	2 x 1
4	1	2	2	11	1	1	3	3	2	2	1

Identify Container Preservative Type***

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	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium 7199	TDS SM 2540C; TSS SM 2540D	Anions 300.0; Alkalinity SM 2320 B-2011; pH 9040C	PT 365.4; Total N, TKN, NH3 351.2, 353.2, 350.1, SM 4500 Norg	TOC by SM 5310B	Radium 226 SM7500Ra B M; Radium 228 EPA 904/9320	Uranium KPA-U ASTM D5174M	MBAS SM 5540C	Sample Comment
GAC00606T161W002	SW	G	-	-	06/06/25	1335	21	-	-	X	X	X	X	X	X	X	X	X	X	X	X
GAC00606T161WT002	OT	-	-	-	06/06/25	0700	1	-	-	X	-	-	-	-	-	-	-	-	-	-	-

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

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

Lab Use Only

Proj. Mgr: 546-Jared Starkey

AcctNum / Client ID: CTEHER

Table #:

Profile / Template: T271979

Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample:

Additional Instructions from Pace® : VOC and SVOC full list; Total Metals TAL+B; Dissolved Metals Al, As, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Zn; Anions Br, Cl, F, SO4, NO2, NO3

Collected By: Printed Name / Signature: Matthew Bell MBell

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:
Matthew Bell CTEH	6-6-25 1800	Pace	6-6-25 1800
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
		Eric Johnson / Pace	6-7-25 / 1015
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number: N/A

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

GAC00606T161W