ANALYTICAL REPORT

May 15, 2025

Revised Report

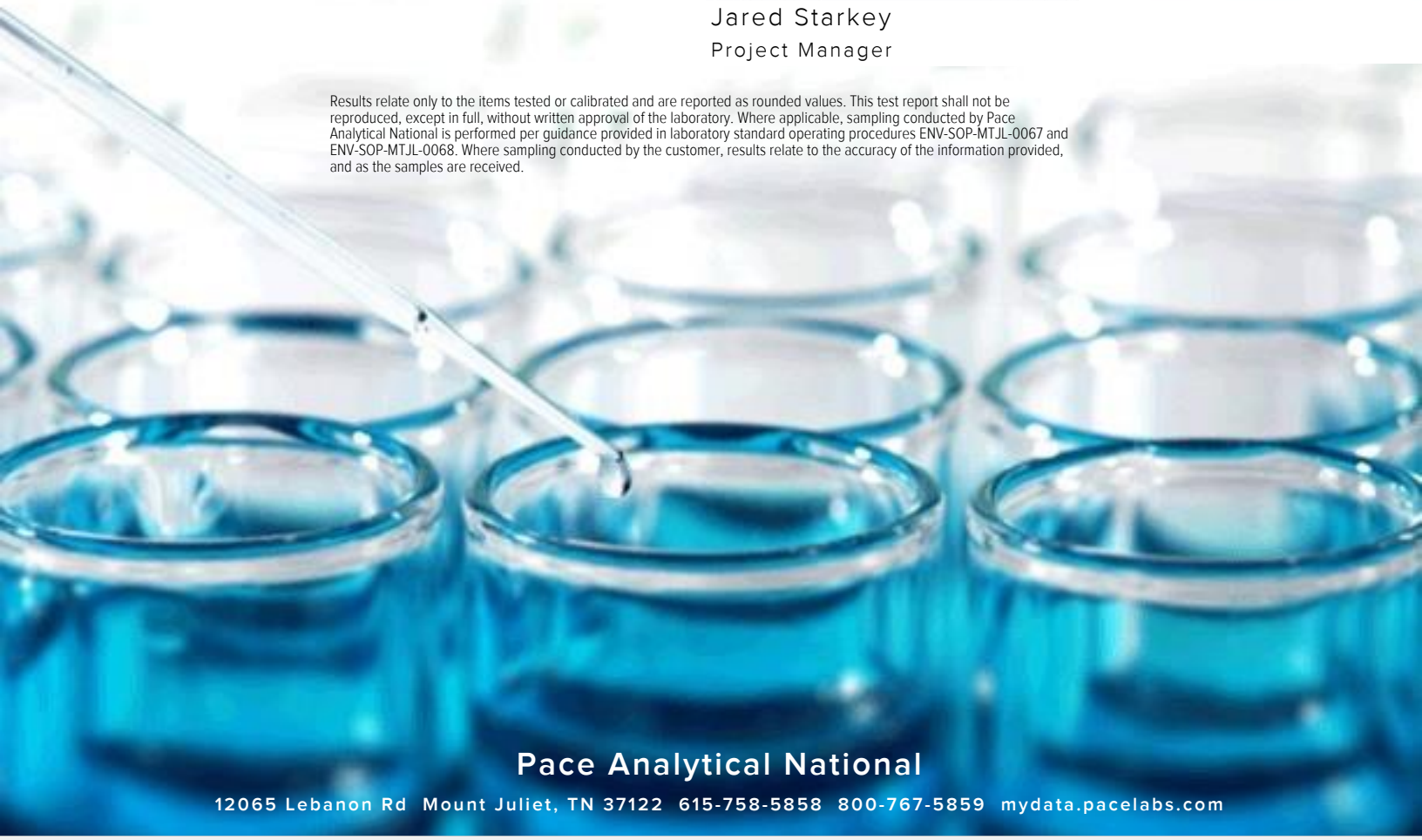
Pace Analytical Services, LLC
2025.05.16 18:39:58 -05'00'
Document is certified

CTEH - ER

Sample Delivery Group:	L1855732
Samples Received:	05/07/2025
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

GACO0506T071F001 L1855732-01

Collected by	Collected date/time	Received date/time
	05/06/25 12:00	05/07/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2509294	1	05/09/25 15:55	05/09/25 15:55	KMB	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2509158	1	05/07/25 11:43	05/07/25 13:11	MMF	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2020	WG2509036	1	05/07/25 11:09	05/07/25 14:11	MDD	Mt. Juliet, TN
Wet Chemistry by Method 130.1	WG2509049	1	05/07/25 11:11	05/07/25 16:55	CAT	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2508965	1	05/07/25 13:03	05/07/25 13:03	BJM	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2508894	1	05/07/25 16:07	05/07/25 16:07	MDM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2509109	1	05/07/25 14:48	05/07/25 14:48	LAS	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2509294	1	05/07/25 14:44	05/09/25 15:55	KMB	Mt. Juliet, TN
Wet Chemistry by Method 365.4	WG2510421	1	05/07/25 14:44	05/08/25 15:06	AEC	Mt. Juliet, TN
Wet Chemistry by Method 5310 B-2014	WG2508936	1	05/07/25 13:31	05/07/25 13:31	AF	Mt. Juliet, TN
Wet Chemistry by Method 5540 C-2011	WG2509126	1	05/07/25 11:25	05/07/25 16:54	JAR	Mt. Juliet, TN
Wet Chemistry by Method 7199	WG2508444	1	05/07/25 23:49	05/07/25 23:49	VSS	Mt. Juliet, TN
Wet Chemistry by Method 9040C	WG2509167	1	05/07/25 12:36	05/07/25 12:36	BJM	Mt. Juliet, TN
Mercury by Method 7470A	WG2509118	1	05/07/25 11:36	05/07/25 15:18	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2509099	1	05/07/25 11:32	05/07/25 13:53	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2509135	1	05/07/25 14:06	05/07/25 18:48	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2509981	1	05/09/25 07:19	05/09/25 12:47	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2509054	1	05/07/25 11:30	05/07/25 11:30	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2508940	1	05/07/25 13:21	05/07/25 13:21	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2508982	1	05/07/25 13:23	05/07/25 21:08	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2508985	1	05/07/25 11:57	05/07/25 17:02	MBE	Mt. Juliet, TN

GACO0506T071WT003 L1855732-02

Collected by	Collected date/time	Received date/time
	05/06/25 07:00	05/07/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2508940	1	05/07/25 12:04	05/07/25 12:04	ADM	Mt. Juliet, TN

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

Jared Starkey
Project Manager

Report Revision History

Level II Report - Version 1: 05/09/25 23:16

Project Comments

ID Correction, revised COC added - JS 5/15/25

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
WG2509167	9040C	L1855732-01

The laboratory analysis was performed from an unpreserved, insufficiently or inadequately preserved sample.

Batch	Method	Lab Sample ID
WG2508936	5310 B-2014	L1855732-01

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
WG2509294	(MS) R4212469-5, (MSD) R4212469-6, L1855732-01	Kjeldahl Nitrogen, TKN

Wet Chemistry by Method 5540 C-2011

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

Batch	Lab Sample ID	Analytes
WG2509126	(DUP) R4211283-3, L1855732-01	MBAS

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

Batch	Lab Sample ID	Analytes
WG2509126	(MS) R4211283-4, (MSD) R4211283-5	MBAS

Metals (ICPMS) by Method 6020B

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

Batch	Lab Sample ID	Analytes
WG2509981	(MS) R4212288-4, (MSD) R4212288-5	Aluminum,Dissolved

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

Batch	Lab Sample ID	Analytes
WG2509981	(MSD) R4212288-5	Aluminum,Dissolved

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
WG2508940	L1855732-01	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acrolein and Naphthalene
WG2508940	L1855732-02	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acrolein and Naphthalene

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

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

Batch	Lab Sample ID	Analytes
WG2508985	L1855732-01	Benzidine and Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2508985	L1855732-01	Pentachlorophenol

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.

Batch	Lab Sample ID	Analytes
WG2508985	L1855732-01	Pyrene

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

Batch	Lab Sample ID	Analytes
WG2508985	(LCS) R4211401-1, (LCSD) R4211401-2, L1855732-01	Benzidine

Calculated Results

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Total Nitrogen	ND		100	1	05/09/2025 15:55	WG2509294

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10000	1	05/07/2025 13:11	WG2509158

Gravimetric Analysis by Method 2540 D-2020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Suspended Solids	ND		2500	1	05/07/2025 14:11	WG2509036

Wet Chemistry by Method 130.1

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Hardness (colorimetric) as CaCO3	ND		30000	1	05/07/2025 16:55	WG2509049

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	ND		20000	1	05/07/2025 13:03	WG2508965

Sample Narrative:

L1855732-01 WG2508965: 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	05/07/2025 16:07	WG2508894
Chloride	ND		1000	1	05/07/2025 16:07	WG2508894
Fluoride	ND		150	1	05/07/2025 16:07	WG2508894
Nitrate as (N)	ND		100	1	05/07/2025 16:07	WG2508894
Nitrite as (N)	ND		100	1	05/07/2025 16:07	WG2508894
Sulfate	ND		5000	1	05/07/2025 16:07	WG2508894

Wet Chemistry by Method 350.1

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		100	1	05/07/2025 14:48	WG2509109

Wet Chemistry by Method 351.2

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	ND	J5	250	1	05/09/2025 15:55	WG2509294

Wet Chemistry by Method 365.4

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Phosphorus,Total	ND		100	1	05/08/2025 15:06	WG2510421

Wet Chemistry by Method 5310 B-2014

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	ND		1000	1	05/07/2025 13:31	WG2508936

Wet Chemistry by Method 5540 C-2011

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
MBAS	ND	P1	100	1	05/07/2025 16:54	WG2509126

Wet Chemistry by Method 7199

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.500	1	05/07/2025 23:49	WG2508444

Wet Chemistry by Method 9040C

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
pH	5.97	T8	1	05/07/2025 12:36	WG2509167

Sample Narrative:

L1855732-01 WG2509167: 5.97 at 21.4C

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	05/07/2025 15:18	WG2509118

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Aluminum	ND		100	1	05/07/2025 18:48	WG2509135
Aluminum,Dissolved	ND		100	1	05/09/2025 12:47	WG2509981
Antimony	ND		4.00	1	05/07/2025 18:48	WG2509135
Arsenic	ND		2.00	1	05/07/2025 18:48	WG2509135
Arsenic,Dissolved	ND		2.00	1	05/07/2025 13:53	WG2509099
Barium	ND		2.00	1	05/07/2025 18:48	WG2509135
Beryllium	ND		2.00	1	05/07/2025 18:48	WG2509135
Boron	ND		30.0	1	05/07/2025 18:48	WG2509135
Cadmium	ND		1.00	1	05/07/2025 18:48	WG2509135
Cadmium,Dissolved	ND		1.00	1	05/07/2025 13:53	WG2509099
Calcium	ND		1000	1	05/07/2025 18:48	WG2509135
Chromium	ND		2.00	1	05/07/2025 18:48	WG2509135
Chromium,Dissolved	ND		2.00	1	05/07/2025 13:53	WG2509099
Copper	ND		5.00	1	05/07/2025 18:48	WG2509135
Copper,Dissolved	ND		5.00	1	05/07/2025 13:53	WG2509099
Cobalt	ND		2.00	1	05/07/2025 18:48	WG2509135
Iron	ND		100	1	05/07/2025 18:48	WG2509135
Lead	ND		2.00	1	05/07/2025 18:48	WG2509135
Lead,Dissolved	ND		2.00	1	05/07/2025 13:53	WG2509099
Magnesium	ND		1000	1	05/07/2025 18:48	WG2509135
Manganese	ND		5.00	1	05/07/2025 18:48	WG2509135
Manganese,Dissolved	ND		5.00	1	05/07/2025 13:53	WG2509099
Nickel	ND		2.00	1	05/07/2025 18:48	WG2509135
Nickel,Dissolved	ND		2.00	1	05/07/2025 13:53	WG2509099
Potassium	ND		2000	1	05/07/2025 18:48	WG2509135
Selenium	ND		2.00	1	05/07/2025 18:48	WG2509135

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Selenium,Dissolved	ND		2.00	1	05/07/2025 13:53	WG2509099
Silver	ND		2.00	1	05/07/2025 18:48	WG2509135
Silver,Dissolved	ND		2.00	1	05/07/2025 13:53	WG2509099
Sodium	ND		2000	1	05/07/2025 18:48	WG2509135
Thallium	ND		2.00	1	05/07/2025 18:48	WG2509135
Vanadium	ND		5.00	1	05/07/2025 18:48	WG2509135
Zinc	ND		25.0	1	05/07/2025 18:48	WG2509135
Zinc,Dissolved	ND		25.0	1	05/07/2025 13:53	WG2509099

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

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	ND		100	1	05/07/2025 11:30	WG2509054
(S) a,a,a-Trifluorotoluene(FID)	*104*		*78.0-120*		*05/07/2025 11:30*	WG2509054

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	05/07/2025 13:21	WG2508940
Acrolein	ND	C3	50.0	1	05/07/2025 13:21	WG2508940
Acrylonitrile	ND		10.0	1	05/07/2025 13:21	WG2508940
Benzene	ND		1.00	1	05/07/2025 13:21	WG2508940
Bromobenzene	ND		1.00	1	05/07/2025 13:21	WG2508940
Bromodichloromethane	ND		1.00	1	05/07/2025 13:21	WG2508940
Bromoform	ND		1.00	1	05/07/2025 13:21	WG2508940
Bromomethane	ND		5.00	1	05/07/2025 13:21	WG2508940
n-Butylbenzene	ND		1.00	1	05/07/2025 13:21	WG2508940
sec-Butylbenzene	ND		1.00	1	05/07/2025 13:21	WG2508940
tert-Butylbenzene	ND		1.00	1	05/07/2025 13:21	WG2508940
Carbon tetrachloride	ND		1.00	1	05/07/2025 13:21	WG2508940
Chlorobenzene	ND		1.00	1	05/07/2025 13:21	WG2508940
Chlorodibromomethane	ND		1.00	1	05/07/2025 13:21	WG2508940
Chloroethane	ND		5.00	1	05/07/2025 13:21	WG2508940
Chloroform	ND		5.00	1	05/07/2025 13:21	WG2508940
Chloromethane	ND		2.50	1	05/07/2025 13:21	WG2508940
2-Chlorotoluene	ND		1.00	1	05/07/2025 13:21	WG2508940
4-Chlorotoluene	ND		1.00	1	05/07/2025 13:21	WG2508940
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/07/2025 13:21	WG2508940
1,2-Dibromoethane	ND		1.00	1	05/07/2025 13:21	WG2508940
Dibromomethane	ND		1.00	1	05/07/2025 13:21	WG2508940
1,2-Dichlorobenzene	ND		1.00	1	05/07/2025 13:21	WG2508940
1,3-Dichlorobenzene	ND		1.00	1	05/07/2025 13:21	WG2508940
1,4-Dichlorobenzene	ND		1.00	1	05/07/2025 13:21	WG2508940
Dichlorodifluoromethane	ND		5.00	1	05/07/2025 13:21	WG2508940
1,1-Dichloroethane	ND		1.00	1	05/07/2025 13:21	WG2508940
1,2-Dichloroethane	ND		1.00	1	05/07/2025 13:21	WG2508940
1,1-Dichloroethene	ND		1.00	1	05/07/2025 13:21	WG2508940
cis-1,2-Dichloroethene	ND		1.00	1	05/07/2025 13:21	WG2508940
trans-1,2-Dichloroethene	ND		1.00	1	05/07/2025 13:21	WG2508940
1,2-Dichloropropane	ND		1.00	1	05/07/2025 13:21	WG2508940
1,1-Dichloropropene	ND		1.00	1	05/07/2025 13:21	WG2508940
1,3-Dichloropropane	ND		1.00	1	05/07/2025 13:21	WG2508940
cis-1,3-Dichloropropene	ND		1.00	1	05/07/2025 13:21	WG2508940
trans-1,3-Dichloropropene	ND		1.00	1	05/07/2025 13:21	WG2508940
2,2-Dichloropropane	ND		1.00	1	05/07/2025 13:21	WG2508940

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	05/07/2025 13:21	WG2508940
Ethylbenzene	ND		1.00	1	05/07/2025 13:21	WG2508940
Hexachloro-1,3-butadiene	ND		1.00	1	05/07/2025 13:21	WG2508940
Isopropylbenzene	ND		1.00	1	05/07/2025 13:21	WG2508940
p-Isopropyltoluene	ND		1.00	1	05/07/2025 13:21	WG2508940
2-Butanone (MEK)	ND		10.0	1	05/07/2025 13:21	WG2508940
Methylene Chloride	ND		5.00	1	05/07/2025 13:21	WG2508940
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/07/2025 13:21	WG2508940
Methyl tert-butyl ether	ND		1.00	1	05/07/2025 13:21	WG2508940
Naphthalene	ND	C3	5.00	1	05/07/2025 13:21	WG2508940
n-Propylbenzene	ND		1.00	1	05/07/2025 13:21	WG2508940
Styrene	ND		1.00	1	05/07/2025 13:21	WG2508940
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/07/2025 13:21	WG2508940
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/07/2025 13:21	WG2508940
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/07/2025 13:21	WG2508940
Tetrachloroethene	ND		1.00	1	05/07/2025 13:21	WG2508940
Toluene	ND		1.00	1	05/07/2025 13:21	WG2508940
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/07/2025 13:21	WG2508940
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/07/2025 13:21	WG2508940
1,1,1-Trichloroethane	ND		1.00	1	05/07/2025 13:21	WG2508940
1,1,2-Trichloroethane	ND		1.00	1	05/07/2025 13:21	WG2508940
Trichloroethene	ND		1.00	1	05/07/2025 13:21	WG2508940
Trichlorofluoromethane	ND		5.00	1	05/07/2025 13:21	WG2508940
1,2,3-Trichloropropane	ND		2.50	1	05/07/2025 13:21	WG2508940
1,2,4-Trimethylbenzene	ND		1.00	1	05/07/2025 13:21	WG2508940
1,2,3-Trimethylbenzene	ND		1.00	1	05/07/2025 13:21	WG2508940
1,3,5-Trimethylbenzene	ND		1.00	1	05/07/2025 13:21	WG2508940
Vinyl chloride	ND		1.00	1	05/07/2025 13:21	WG2508940
Xylenes, Total	ND		3.00	1	05/07/2025 13:21	WG2508940
(S) Toluene-d8	*102*		*80.0-120*		*05/07/2025 13:21*	WG2508940
(S) 4-Bromofluorobenzene	*91.2*		*77.0-126*		*05/07/2025 13:21*	WG2508940
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*05/07/2025 13:21*	WG2508940

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	ND		100	1	05/07/2025 21:08	WG2508982
C28-C36 Motor Oil Range	ND		100	1	05/07/2025 21:08	WG2508982
(S) o-Terphenyl	*95.3*		*52.0-156*		*05/07/2025 21:08*	WG2508982

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	05/07/2025 17:02	WG2508985
Acenaphthylene	ND		1.00	1	05/07/2025 17:02	WG2508985
Anthracene	ND		1.00	1	05/07/2025 17:02	WG2508985
Benzidine	ND	C7 J4	10.0	1	05/07/2025 17:02	WG2508985
Benzo(a)anthracene	ND		1.00	1	05/07/2025 17:02	WG2508985
Benzo(b)fluoranthene	ND		1.00	1	05/07/2025 17:02	WG2508985
Benzo(k)fluoranthene	ND		1.00	1	05/07/2025 17:02	WG2508985
Benzo(g,h,i)perylene	ND		1.00	1	05/07/2025 17:02	WG2508985
Benzo(a)pyrene	ND		1.00	1	05/07/2025 17:02	WG2508985
Bis(2-chlorethoxy)methane	ND		10.0	1	05/07/2025 17:02	WG2508985
Bis(2-chloroethyl)ether	ND		10.0	1	05/07/2025 17:02	WG2508985
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	05/07/2025 17:02	WG2508985

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	05/07/2025 17:02	WG2508985
2-Chloronaphthalene	ND		1.00	1	05/07/2025 17:02	WG2508985
4-Chlorophenyl-phenylether	ND		10.0	1	05/07/2025 17:02	WG2508985
Chrysene	ND		1.00	1	05/07/2025 17:02	WG2508985
Dibenz(a,h)anthracene	ND		1.00	1	05/07/2025 17:02	WG2508985
1,2-Dichlorobenzene	ND		10.0	1	05/07/2025 17:02	WG2508985
1,3-Dichlorobenzene	ND		10.0	1	05/07/2025 17:02	WG2508985
1,4-Dichlorobenzene	ND		10.0	1	05/07/2025 17:02	WG2508985
3,3-Dichlorobenzidine	ND		10.0	1	05/07/2025 17:02	WG2508985
2,4-Dinitrotoluene	ND		10.0	1	05/07/2025 17:02	WG2508985
2,6-Dinitrotoluene	ND		10.0	1	05/07/2025 17:02	WG2508985
Fluoranthene	ND		1.00	1	05/07/2025 17:02	WG2508985
Fluorene	ND		1.00	1	05/07/2025 17:02	WG2508985
Hexachlorobenzene	ND		1.00	1	05/07/2025 17:02	WG2508985
Hexachloro-1,3-butadiene	ND		10.0	1	05/07/2025 17:02	WG2508985
Hexachlorocyclopentadiene	ND	C7	10.0	1	05/07/2025 17:02	WG2508985
Hexachloroethane	ND		10.0	1	05/07/2025 17:02	WG2508985
Indeno(1,2,3-cd)pyrene	ND		1.00	1	05/07/2025 17:02	WG2508985
Isophorone	ND		10.0	1	05/07/2025 17:02	WG2508985
1-Methylnaphthalene	ND		1.00	1	05/07/2025 17:02	WG2508985
2-Methylnaphthalene	ND		1.00	1	05/07/2025 17:02	WG2508985
Naphthalene	ND		1.00	1	05/07/2025 17:02	WG2508985
Nitrobenzene	ND		10.0	1	05/07/2025 17:02	WG2508985
n-Nitrosodimethylamine	ND		10.0	1	05/07/2025 17:02	WG2508985
n-Nitrosodiphenylamine	ND		10.0	1	05/07/2025 17:02	WG2508985
n-Nitrosodi-n-propylamine	ND		10.0	1	05/07/2025 17:02	WG2508985
Phenanthrene	ND		1.00	1	05/07/2025 17:02	WG2508985
Benzylbutyl phthalate	ND		3.00	1	05/07/2025 17:02	WG2508985
Bis(2-ethylhexyl)phthalate	ND		3.00	1	05/07/2025 17:02	WG2508985
Di-n-butyl phthalate	ND		3.00	1	05/07/2025 17:02	WG2508985
Diethyl phthalate	ND		3.00	1	05/07/2025 17:02	WG2508985
Dimethyl phthalate	ND		3.00	1	05/07/2025 17:02	WG2508985
Di-n-octyl phthalate	ND		3.00	1	05/07/2025 17:02	WG2508985
Pyrene	ND	C4	1.00	1	05/07/2025 17:02	WG2508985
1,2,4-Trichlorobenzene	ND		10.0	1	05/07/2025 17:02	WG2508985
4-Chloro-3-methylphenol	ND		10.0	1	05/07/2025 17:02	WG2508985
2-Chlorophenol	ND		10.0	1	05/07/2025 17:02	WG2508985
2,4-Dichlorophenol	ND		10.0	1	05/07/2025 17:02	WG2508985
2,4-Dimethylphenol	ND		10.0	1	05/07/2025 17:02	WG2508985
4,6-Dinitro-2-methylphenol	ND		10.0	1	05/07/2025 17:02	WG2508985
2,4-Dinitrophenol	ND		10.0	1	05/07/2025 17:02	WG2508985
2-Nitrophenol	ND		10.0	1	05/07/2025 17:02	WG2508985
4-Nitrophenol	ND		10.0	1	05/07/2025 17:02	WG2508985
Pentachlorophenol	ND	C3	10.0	1	05/07/2025 17:02	WG2508985
Phenol	ND		10.0	1	05/07/2025 17:02	WG2508985
2,4,6-Trichlorophenol	ND		10.0	1	05/07/2025 17:02	WG2508985
(S) 2-Fluorophenol	*33.6*		*10.0-120*		*05/07/2025 17:02*	WG2508985
(S) Phenol-d5	*20.3*		*10.0-120*		*05/07/2025 17:02*	WG2508985
(S) Nitrobenzene-d5	*61.2*		*10.0-127*		*05/07/2025 17:02*	WG2508985
(S) 2-Fluorobiphenyl	*62.8*		*10.0-130*		*05/07/2025 17:02*	WG2508985
(S) 2,4,6-Tribromophenol	*67.0*		*10.0-155*		*05/07/2025 17:02*	WG2508985
(S) p-Terphenyl-d14	*56.6*		*10.0-128*		*05/07/2025 17:02*	WG2508985

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	05/07/2025 12:04	WG2508940
Acrolein	ND	C3	50.0	1	05/07/2025 12:04	WG2508940
Acrylonitrile	ND		10.0	1	05/07/2025 12:04	WG2508940
Benzene	ND		1.00	1	05/07/2025 12:04	WG2508940
Bromobenzene	ND		1.00	1	05/07/2025 12:04	WG2508940
Bromodichloromethane	ND		1.00	1	05/07/2025 12:04	WG2508940
Bromoform	ND		1.00	1	05/07/2025 12:04	WG2508940
Bromomethane	ND		5.00	1	05/07/2025 12:04	WG2508940
n-Butylbenzene	ND		1.00	1	05/07/2025 12:04	WG2508940
sec-Butylbenzene	ND		1.00	1	05/07/2025 12:04	WG2508940
tert-Butylbenzene	ND		1.00	1	05/07/2025 12:04	WG2508940
Carbon tetrachloride	ND		1.00	1	05/07/2025 12:04	WG2508940
Chlorobenzene	ND		1.00	1	05/07/2025 12:04	WG2508940
Chlorodibromomethane	ND		1.00	1	05/07/2025 12:04	WG2508940
Chloroethane	ND		5.00	1	05/07/2025 12:04	WG2508940
Chloroform	ND		5.00	1	05/07/2025 12:04	WG2508940
Chloromethane	ND		2.50	1	05/07/2025 12:04	WG2508940
2-Chlorotoluene	ND		1.00	1	05/07/2025 12:04	WG2508940
4-Chlorotoluene	ND		1.00	1	05/07/2025 12:04	WG2508940
1,2-Dibromo-3-Chloropropane	ND		5.00	1	05/07/2025 12:04	WG2508940
1,2-Dibromoethane	ND		1.00	1	05/07/2025 12:04	WG2508940
Dibromomethane	ND		1.00	1	05/07/2025 12:04	WG2508940
1,2-Dichlorobenzene	ND		1.00	1	05/07/2025 12:04	WG2508940
1,3-Dichlorobenzene	ND		1.00	1	05/07/2025 12:04	WG2508940
1,4-Dichlorobenzene	ND		1.00	1	05/07/2025 12:04	WG2508940
Dichlorodifluoromethane	ND		5.00	1	05/07/2025 12:04	WG2508940
1,1-Dichloroethane	ND		1.00	1	05/07/2025 12:04	WG2508940
1,2-Dichloroethane	ND		1.00	1	05/07/2025 12:04	WG2508940
1,1-Dichloroethene	ND		1.00	1	05/07/2025 12:04	WG2508940
cis-1,2-Dichloroethene	ND		1.00	1	05/07/2025 12:04	WG2508940
trans-1,2-Dichloroethene	ND		1.00	1	05/07/2025 12:04	WG2508940
1,2-Dichloropropane	ND		1.00	1	05/07/2025 12:04	WG2508940
1,1-Dichloropropene	ND		1.00	1	05/07/2025 12:04	WG2508940
1,3-Dichloropropane	ND		1.00	1	05/07/2025 12:04	WG2508940
cis-1,3-Dichloropropene	ND		1.00	1	05/07/2025 12:04	WG2508940
trans-1,3-Dichloropropene	ND		1.00	1	05/07/2025 12:04	WG2508940
2,2-Dichloropropane	ND		1.00	1	05/07/2025 12:04	WG2508940
Di-isopropyl ether	ND		1.00	1	05/07/2025 12:04	WG2508940
Ethylbenzene	ND		1.00	1	05/07/2025 12:04	WG2508940
Hexachloro-1,3-butadiene	ND		1.00	1	05/07/2025 12:04	WG2508940
Isopropylbenzene	ND		1.00	1	05/07/2025 12:04	WG2508940
p-Isopropyltoluene	ND		1.00	1	05/07/2025 12:04	WG2508940
2-Butanone (MEK)	ND		10.0	1	05/07/2025 12:04	WG2508940
Methylene Chloride	ND		5.00	1	05/07/2025 12:04	WG2508940
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	05/07/2025 12:04	WG2508940
Methyl tert-butyl ether	ND		1.00	1	05/07/2025 12:04	WG2508940
Naphthalene	ND	C3	5.00	1	05/07/2025 12:04	WG2508940
n-Propylbenzene	ND		1.00	1	05/07/2025 12:04	WG2508940
Styrene	ND		1.00	1	05/07/2025 12:04	WG2508940
1,1,1,2-Tetrachloroethane	ND		1.00	1	05/07/2025 12:04	WG2508940
1,1,2,2-Tetrachloroethane	ND		1.00	1	05/07/2025 12:04	WG2508940
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	05/07/2025 12:04	WG2508940
Tetrachloroethene	ND		1.00	1	05/07/2025 12:04	WG2508940
Toluene	ND		1.00	1	05/07/2025 12:04	WG2508940
1,2,3-Trichlorobenzene	ND	C3	1.00	1	05/07/2025 12:04	WG2508940
1,2,4-Trichlorobenzene	ND	C3	1.00	1	05/07/2025 12:04	WG2508940

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	05/07/2025 12:04	WG2508940
1,1,2-Trichloroethane	ND		1.00	1	05/07/2025 12:04	WG2508940
Trichloroethene	ND		1.00	1	05/07/2025 12:04	WG2508940
Trichlorofluoromethane	ND		5.00	1	05/07/2025 12:04	WG2508940
1,2,3-Trichloropropane	ND		2.50	1	05/07/2025 12:04	WG2508940
1,2,4-Trimethylbenzene	ND		1.00	1	05/07/2025 12:04	WG2508940
1,2,3-Trimethylbenzene	ND		1.00	1	05/07/2025 12:04	WG2508940
1,3,5-Trimethylbenzene	ND		1.00	1	05/07/2025 12:04	WG2508940
Vinyl chloride	ND		1.00	1	05/07/2025 12:04	WG2508940
Xylenes, Total	ND		3.00	1	05/07/2025 12:04	WG2508940
(S) Toluene-d8	*107*		*80.0-120*		*05/07/2025 12:04*	WG2508940
(S) 4-Bromofluorobenzene	*97.7*		*77.0-126*		*05/07/2025 12:04*	WG2508940
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*05/07/2025 12:04*	WG2508940

Method Blank (MB)

(MB) R4211862-1 05/07/25 13:11

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

L1854602-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1854602-01 05/07/25 13:11 • (DUP) R4211862-3 05/07/25 13:11

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	387000	399000	1	3.05		10

L1855684-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1855684-01 05/07/25 13:11 • (DUP) R4211862-4 05/07/25 13:11

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	554000	550000	1	0.725		10

Laboratory Control Sample (LCS)

(LCS) R4211862-2 05/07/25 13:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800000	8380000	95.2	90.0-110	

Method Blank (MB)

(MB) R4211418-1 05/07/25 14:11

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

L1855351-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1855351-01 05/07/25 14:11 • (DUP) R4211418-3 05/07/25 14:11

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	11800	12000	1	1.68		10

L1855829-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1855829-01 05/07/25 14:11 • (DUP) R4211418-4 05/07/25 14:11

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	472000	472000	1	0.000		10

Laboratory Control Sample (LCS)

(LCS) R4211418-2 05/07/25 14:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Suspended Solids	773000	766000	99.1	85.0-115	

Method Blank (MB)

(MB) R4211300-1 05/07/25 16:52

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) R4211300-2 05/07/25 16:54

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hardness (colorimetric) as CaCO3	200000	195000	97.5	85.0-115	

L1855732-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855732-01 05/07/25 16:55 • (MS) R4211300-3 05/07/25 16:56 • (MSD) R4211300-4 05/07/25 16:57

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 %
Hardness (colorimetric) as CaCO3	200000	ND	189000	187000	94.5	93.5	1	80.0-120			1.06	20

Method Blank (MB)

(MB) R4211258-2 05/07/25 09:57

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1854510-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1854510-01 05/07/25 11:05 • (DUP) R4211258-4 05/07/25 11:10

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	151000	155000	1	2.62		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1855764-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1855764-01 05/07/25 12:53 • (DUP) R4211258-6 05/07/25 12:58

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

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS)

(LCS) R4211258-1 05/07/25 09:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Alkalinity	100000	99800	99.8	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R4211448-1 05/07/25 15:40

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

L1855732-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1855732-01 05/07/25 16:07 • (DUP) R4211448-3 05/07/25 16:20

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	ND	ND	1	0.000		15
Fluoride	ND	ND	1	0.000		15
Nitrate as (N)	ND	ND	1	0.000		15
Nitrite as (N)	ND	ND	1	0.000		15
Sulfate	ND	ND	1	0.000		15

L1855776-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1855776-19 05/07/25 22:50 • (DUP) R4211448-6 05/07/25 23:03

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	ND	ND	1	0.000		15
Fluoride	ND	ND	1	0.000		15
Nitrate as (N)	ND	ND	1	0.000		15
Nitrite as (N)	ND	ND	1	0.000		15
Sulfate	ND	ND	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4211448-2 05/07/25 15:54

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromide	40000	39300	98.2	90.0-110	
Chloride	40000	38700	96.7	90.0-110	
Fluoride	8000	8240	103	90.0-110	
Nitrate as (N)	8000	8070	101	90.0-110	
Nitrite as (N)	8000	8100	101	90.0-110	
Sulfate	40000	39700	99.2	90.0-110	

L1855732-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855732-01 05/07/25 16:07 • (MS) R4211448-4 05/07/25 16:34 • (MSD) R4211448-5 05/07/25 16:47

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	39700	39600	99.2	99.1	1	90.0-110			0.0920	15
Chloride	40000	ND	39100	39000	97.8	97.6	1	90.0-110			0.178	15
Fluoride	8000	ND	8200	8250	103	103	1	90.0-110			0.647	15
Nitrate as (N)	8000	ND	8160	8150	102	102	1	90.0-110			0.210	15
Nitrite as (N)	8000	ND	8180	8200	102	103	1	90.0-110			0.333	15
Sulfate	40000	ND	40100	40100	100	100	1	90.0-110			0.108	15

L1855776-19 Original Sample (OS) • Matrix Spike (MS)

(OS) L1855776-19 05/07/25 22:50 • (MS) R4211448-7 05/07/25 23:17

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Bromide	40000	ND	39800	99.5	1	90.0-110	
Chloride	40000	ND	39200	98.1	1	90.0-110	
Fluoride	8000	ND	8480	106	1	90.0-110	
Nitrate as (N)	8000	ND	8180	102	1	90.0-110	
Nitrite as (N)	8000	ND	8220	103	1	90.0-110	
Sulfate	40000	ND	40300	101	1	90.0-110	

Method Blank (MB)

(MB) R4211199-1 05/07/25 14:39

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

L1855615-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1855615-02 05/07/25 14:42 • (DUP) R4211199-3 05/07/25 14:44

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	924	918	1	0.651		10

L1855764-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1855764-01 05/07/25 14:53 • (DUP) R4211199-6 05/07/25 14:59

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) R4211199-2 05/07/25 14:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7500	7450	99.3	90.0-110	

L1855615-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855615-02 05/07/25 14:42 • (MS) R4211199-4 05/07/25 14:45 • (MSD) R4211199-5 05/07/25 14:47

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	924	6010	5980	102	101	1	90.0-110			0.601	10

L1855764-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1855764-01 05/07/25 14:53 • (MS) R4211199-7 05/07/25 15:00

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5000	ND	5040	101	1	90.0-110	

Method Blank (MB)

(MB) R4212469-1 05/09/25 15:44

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

L1855776-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1855776-01 05/09/25 16:03 • (DUP) R4212469-7 05/09/25 16:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Kjeldahl Nitrogen, TKN	1620	1680	1	3.23		20

L1855776-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1855776-05 05/09/25 16:05 • (DUP) R4212469-8 05/09/25 16:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Kjeldahl Nitrogen, TKN	1640	1930	1	16.2		20

Laboratory Control Sample (LCS)

(LCS) R4212469-2 05/09/25 15:45

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Kjeldahl Nitrogen, TKN	4000	3960	99.1	90.0-110	

L1852805-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1852805-02 05/09/25 15:50 • (MS) R4212469-3 05/09/25 15:51

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Kjeldahl Nitrogen, TKN	5000	1600	6530	98.7	1	90.0-110	

L1855732-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855732-01 05/09/25 15:55 • (MS) R4212469-5 05/09/25 15:56 • (MSD) R4212469-6 05/09/25 15:57

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	ND	5780	5600	116	112	1	90.0-110	J5	J5	3.15	20

Method Blank (MB)

(MB) R4211808-1 05/08/25 15:03

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

L1855776-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1855776-01 05/08/25 15:12 • (DUP) R4211808-5 05/08/25 15:13

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Phosphorus,Total	134	115	1	15.3		20

L1855776-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1855776-05 05/08/25 15:19 • (DUP) R4211808-6 05/08/25 15:20

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Phosphorus,Total	134	121	1	10.2		20

Laboratory Control Sample (LCS)

(LCS) R4211808-2 05/08/25 15:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phosphorus,Total	2540	2400	94.5	85.0-115	

L1855732-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855732-01 05/08/25 15:06 • (MS) R4211808-3 05/08/25 15:07 • (MSD) R4211808-4 05/08/25 15:08

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	ND	2340	2280	93.6	91.2	1	90.0-110			2.60	20

Method Blank (MB)

(MB) R4211330-2 05/07/25 11:24

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

L1855672-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1855672-03 05/07/25 12:30 • (DUP) R4211330-5 05/07/25 12:45

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	1660	1460	1	12.9		20

L1855684-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1855684-01 05/07/25 16:27 • (DUP) R4211330-8 05/07/25 16:41

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	1870	1910	1	2.38		20

Laboratory Control Sample (LCS)

(LCS) R4211330-1 05/07/25 11:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	25000	23700	94.9	80.0-120	

L1855672-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855672-02 05/07/25 11:38 • (MS) R4211330-3 05/07/25 11:56 • (MSD) R4211330-4 05/07/25 12:14

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	2180	26000	25900	95.2	94.7	1	75.0-125			0.463	20

L1855672-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855672-04 05/07/25 15:37 • (MS) R4211330-6 05/07/25 15:54 • (MSD) R4211330-7 05/07/25 16:11

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	4270	27900	27600	94.6	93.2	1	75.0-125			1.33	20

Method Blank (MB)

(MB) R4211283-1 05/07/25 16:48

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

L1855732-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1855732-01 05/07/25 16:54 • (DUP) R4211283-3 05/07/25 16:54

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
MBAS	ND	ND	1	200	P1	20

L1855839-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1855839-04 05/07/25 17:05 • (DUP) R4211283-6 05/07/25 17:05

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
MBAS	ND	ND	1	14.6		20

Laboratory Control Sample (LCS)

(LCS) R4211283-2 05/07/25 16:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
MBAS	1000	1070	107	85.0-115	

L1855752-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855752-01 05/07/25 16:57 • (MS) R4211283-4 05/07/25 16:57 • (MSD) R4211283-5 05/07/25 16:58

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	205	944	982	73.9	77.7	1	85.0-115	J6	J6	3.95	20

Method Blank (MB)

(MB) R4211461-1 05/07/25 22:38

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

L1855758-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1855758-01 05/08/25 00:27 • (DUP) R4211461-5 05/08/25 00:40

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

L1855776-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1855776-07 05/08/25 02:07 • (DUP) R4211461-6 05/08/25 02:20

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) R4211461-2 05/07/25 22:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	2.00	1.92	95.8	90.0-110	

L1855282-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855282-10 05/07/25 23:10 • (MS) R4211461-3 05/07/25 23:23 • (MSD) R4211461-4 05/07/25 23:36

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	46.7	46.7	93.4	93.5	1	90.0-110			0.0792	20

L1855776-19 Original Sample (OS) • Matrix Spike (MS)

(OS) L1855776-19 05/08/25 04:03 • (MS) R4211461-7 05/08/25 04:16

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	50.0	ND	46.7	93.4	1	90.0-110	

L1855732-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1855732-01 05/07/25 12:36 • (DUP) R4211094-2 05/07/25 12:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	5.97	5.98	1	0.167		1

Sample Narrative:

OS: 5.97 at 21.4C

DUP: 5.98 at 21.6C

L1855776-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1855776-19 05/07/25 12:36 • (DUP) R4211094-3 05/07/25 12:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	5.78	5.79	1	0.173		1

Sample Narrative:

OS: 5.78 at 20.9C

DUP: 5.79 at 21.2C

Laboratory Control Sample (LCS)

(LCS) R4211094-1 05/07/25 12:36

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.97	99.7	99.0-101	

Sample Narrative:

LCS: 9.97 at 21.1C

QUALITY CONTROL SUMMARY

L1855732-01

Method Blank (MB)

(MB) R4211243-1 05/07/25 15:03

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

Laboratory Control Sample (LCS)

(LCS) R4211243-2 05/07/25 15:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	3.00	2.59	86.3	80.0-120	

L1855733-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855733-01 05/07/25 15:08 • (MS) R4211243-4 05/07/25 15:13 • (MSD) R4211243-5 05/07/25 15:16

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 %
Mercury	3.00	ND	2.88	2.79	96.0	93.1	1	75.0-125			3.07	20

Method Blank (MB)

(MB) R4211172-1 05/07/25 13:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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	U		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) R4211172-2 05/07/25 13:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	50.0	46.3	92.6	80.0-120	
Cadmium,Dissolved	50.0	54.9	110	80.0-120	
Chromium,Dissolved	50.0	50.7	101	80.0-120	
Copper,Dissolved	50.0	49.7	99.4	80.0-120	
Lead,Dissolved	50.0	49.2	98.4	80.0-120	
Manganese,Dissolved	50.0	48.9	97.8	80.0-120	
Nickel,Dissolved	50.0	50.2	100	80.0-120	
Selenium,Dissolved	50.0	47.8	95.6	80.0-120	
Silver,Dissolved	50.0	48.5	97.0	80.0-120	
Zinc,Dissolved	50.0	51.6	103	80.0-120	

L1855732-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855732-01 05/07/25 13:53 • (MS) R4211172-4 05/07/25 14:00 • (MSD) R4211172-5 05/07/25 14:03

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 %
Arsenic,Dissolved	50.0	ND	47.9	47.2	95.9	94.4	1	75.0-125			1.57	20
Cadmium,Dissolved	50.0	ND	55.1	55.6	110	111	1	75.0-125			0.792	20
Chromium,Dissolved	50.0	ND	51.9	52.2	104	104	1	75.0-125			0.654	20
Copper,Dissolved	50.0	ND	50.5	50.1	101	100	1	75.0-125			0.743	20
Lead,Dissolved	50.0	ND	48.6	49.9	97.2	99.7	1	75.0-125			2.55	20
Manganese,Dissolved	50.0	ND	51.3	49.3	103	98.7	1	75.0-125			3.86	20
Nickel,Dissolved	50.0	ND	51.5	51.6	103	103	1	75.0-125			0.213	20

L1855732-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855732-01 05/07/25 13:53 • (MS) R4211172-4 05/07/25 14:00 • (MSD) R4211172-5 05/07/25 14:03

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 %
Selenium,Dissolved	50.0	ND	49.2	49.7	98.3	99.5	1	75.0-125			1.12	20
Silver,Dissolved	50.0	ND	48.7	49.4	97.5	98.7	1	75.0-125			1.27	20
Zinc,Dissolved	50.0	ND	55.1	50.6	110	101	1	75.0-125			8.67	20

Method Blank (MB)

(MB) R4211355-1 05/07/25 18:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Aluminum	U		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
Sodium	U		142	2000
Thallium	U		0.130	2.00
Vanadium	U		0.520	5.00
Zinc	5.14	J	4.00	25.0

Laboratory Control Sample (LCS)

(LCS) R4211355-2 05/07/25 18:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000	1060	106	80.0-120	
Antimony	50.0	50.6	101	80.0-120	
Arsenic	50.0	52.3	105	80.0-120	
Barium	50.0	49.9	99.8	80.0-120	
Beryllium	50.0	49.8	99.6	80.0-120	
Boron	50.0	52.8	106	80.0-120	
Cadmium	50.0	55.5	111	80.0-120	
Calcium	5000	5330	107	80.0-120	
Chromium	50.0	54.2	108	80.0-120	
Copper	50.0	53.8	108	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4211355-2 05/07/25 18:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cobalt	50.0	55.5	111	80.0-120	
Iron	1000	1120	112	80.0-120	
Lead	50.0	52.9	106	80.0-120	
Magnesium	5000	5380	108	80.0-120	
Manganese	50.0	54.0	108	80.0-120	
Nickel	50.0	55.3	111	80.0-120	
Potassium	5000	5220	104	80.0-120	
Selenium	50.0	51.0	102	80.0-120	
Silver	50.0	53.1	106	80.0-120	
Sodium	5000	5680	114	80.0-120	
Thallium	50.0	50.2	100	80.0-120	
Vanadium	50.0	54.1	108	80.0-120	
Zinc	50.0	59.5	119	80.0-120	

L1855776-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855776-19 05/07/25 18:23 • (MS) R4211355-4 05/07/25 18:29 • (MSD) R4211355-5 05/07/25 18:33

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	ND	1050	1050	105	105	1	75.0-125			0.192	20
Antimony	50.0	ND	50.3	48.5	101	97.0	1	75.0-125			3.53	20
Arsenic	50.0	ND	50.6	50.6	101	101	1	75.0-125			0.169	20
Barium	50.0	ND	49.6	47.3	99.2	94.7	1	75.0-125			4.61	20
Beryllium	50.0	ND	49.8	49.6	99.1	98.6	1	75.0-125			0.494	20
Boron	50.0	ND	50.1	50.5	100	101	1	75.0-125			0.823	20
Cadmium	50.0	ND	55.0	55.2	110	110	1	75.0-125			0.328	20
Calcium	5000	ND	5250	5250	105	105	1	75.0-125			0.101	20
Chromium	50.0	ND	52.2	52.8	104	106	1	75.0-125			1.20	20
Copper	50.0	ND	53.1	54.0	104	106	1	75.0-125			1.70	20
Cobalt	50.0	ND	53.7	54.4	107	108	1	75.0-125			1.44	20
Iron	1000	ND	1080	1080	108	108	1	75.0-125			0.376	20
Lead	50.0	ND	50.5	53.2	101	106	1	75.0-125			5.24	20
Magnesium	5000	ND	5330	5310	107	106	1	75.0-125			0.449	20
Manganese	50.0	ND	51.6	52.2	103	104	1	75.0-125			1.13	20
Nickel	50.0	ND	53.2	54.4	106	109	1	75.0-125			2.08	20
Potassium	5000	ND	5130	5170	103	103	1	75.0-125			0.753	20
Selenium	50.0	ND	50.5	49.5	101	99.0	1	75.0-125			1.98	20
Silver	50.0	ND	52.5	51.7	105	103	1	75.0-125			1.67	20
Sodium	5000	ND	5460	5510	109	110	1	75.0-125			0.931	20

L1855776-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855776-19 05/07/25 18:23 • (MS) R4211355-4 05/07/25 18:29 • (MSD) R4211355-5 05/07/25 18:33

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 %
Thallium	50.0	ND	49.5	50.3	98.8	100	1	75.0-125			1.61	20
Vanadium	50.0	ND	51.7	52.3	103	105	1	75.0-125			1.17	20
Zinc	50.0	ND	51.0	53.0	91.4	95.5	1	75.0-125			3.86	20

Method Blank (MB)

(MB) R4212288-1 05/09/25 12:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Aluminum,Dissolved	U		16.0	100

Laboratory Control Sample (LCS)

(LCS) R4212288-2 05/09/25 12:28

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Aluminum,Dissolved	1000	1050	105	80.0-120	

L1855733-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1855733-01 05/09/25 12:31 • (MS) R4212288-4 05/09/25 12:37 • (MSD) R4212288-5 05/09/25 12:40

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	%	%		%			%	%
Aluminum,Dissolved	1000	2080	4600	8230	252	616	1	75.0-125	J5	J3 J5	56.7	20

Method Blank (MB)

(MB) R4211230-3 05/07/25 09:45

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPH (GC/FID) Low Fraction	U		31.4	100
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*

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

(LCS) R4211230-1 05/07/25 08:44 • (LCSD) R4211230-2 05/07/25 09:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5000	4600	5380	92.0	108	72.0-127			15.6	20
(S) a,a,a-Trifluorotoluene(FID)				*100*	*105*	*78.0-120*				

Method Blank (MB)

(MB) R4211127-3 05/07/25 02:54

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

Method Blank (MB)

(MB) R4211127-3 05/07/25 02:54

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	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

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

(LCS) R4211127-1 05/07/25 01:57 • (LCSD) R4211127-2 05/07/25 02:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	28.6	24.5	114	98.0	19.0-160			15.4	27
Acrolein	25.0	13.8	12.0	55.2	48.0	10.0-160			14.0	26
Acrylonitrile	25.0	25.6	25.2	102	101	55.0-149			1.57	20
Benzene	5.00	5.22	4.95	104	99.0	70.0-123			5.31	20

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

(LCS) R4211127-1 05/07/25 01:57 • (LCSD) R4211127-2 05/07/25 02:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	5.00	5.12	4.92	102	98.4	73.0-121			3.98	20
Bromodichloromethane	5.00	5.81	5.67	116	113	75.0-120			2.44	20
Bromoform	5.00	5.90	5.78	118	116	68.0-132			2.05	20
Bromomethane	5.00	4.63	4.84	92.6	96.8	10.0-160			4.44	25
n-Butylbenzene	5.00	5.11	4.92	102	98.4	73.0-125			3.79	20
sec-Butylbenzene	5.00	5.47	5.49	109	110	75.0-125			0.365	20
tert-Butylbenzene	5.00	5.61	5.56	112	111	76.0-124			0.895	20
Carbon tetrachloride	5.00	6.10	5.83	122	117	68.0-126			4.53	20
Chlorobenzene	5.00	5.43	5.23	109	105	80.0-121			3.75	20
Chlorodibromomethane	5.00	5.53	5.57	111	111	77.0-125			0.721	20
Chloroethane	5.00	5.50	5.18	110	104	47.0-150			5.99	20
Chloroform	5.00	5.08	5.01	102	100	73.0-120			1.39	20
Chloromethane	5.00	6.16	5.66	123	113	41.0-142			8.46	20
2-Chlorotoluene	5.00	4.95	4.85	99.0	97.0	76.0-123			2.04	20
4-Chlorotoluene	5.00	5.00	4.83	100	96.6	75.0-122			3.46	20
1,2-Dibromo-3-Chloropropane	5.00	5.75	5.40	115	108	58.0-134			6.28	20
1,2-Dibromoethane	5.00	5.19	5.15	104	103	80.0-122			0.774	20
Dibromomethane	5.00	5.39	5.32	108	106	80.0-120			1.31	20
1,2-Dichlorobenzene	5.00	5.34	5.33	107	107	79.0-121			0.187	20
1,3-Dichlorobenzene	5.00	5.51	5.34	110	107	79.0-120			3.13	20
1,4-Dichlorobenzene	5.00	5.52	5.29	110	106	79.0-120			4.26	20
Dichlorodifluoromethane	5.00	7.18	6.81	144	136	51.0-149			5.29	20
1,1-Dichloroethane	5.00	5.37	5.10	107	102	70.0-126			5.16	20
1,2-Dichloroethane	5.00	5.77	5.52	115	110	70.0-128			4.43	20
1,1-Dichloroethene	5.00	5.18	4.84	104	96.8	71.0-124			6.79	20
cis-1,2-Dichloroethene	5.00	4.98	4.93	99.6	98.6	73.0-120			1.01	20
trans-1,2-Dichloroethene	5.00	5.09	4.92	102	98.4	73.0-120			3.40	20
1,2-Dichloropropane	5.00	5.17	4.91	103	98.2	77.0-125			5.16	20
1,1-Dichloropropene	5.00	5.03	4.86	101	97.2	74.0-126			3.44	20
1,3-Dichloropropane	5.00	5.27	5.08	105	102	80.0-120			3.67	20
cis-1,3-Dichloropropene	5.00	5.35	5.23	107	105	80.0-123			2.27	20
trans-1,3-Dichloropropene	5.00	4.87	4.67	97.4	93.4	78.0-124			4.19	20
2,2-Dichloropropane	5.00	4.91	4.77	98.2	95.4	58.0-130			2.89	20
Di-isopropyl ether	5.00	5.23	5.02	105	100	58.0-138			4.10	20
Ethylbenzene	5.00	5.21	5.03	104	101	79.0-123			3.52	20
Hexachloro-1,3-butadiene	5.00	4.82	4.94	96.4	98.8	54.0-138			2.46	20
Isopropylbenzene	5.00	5.60	5.36	112	107	76.0-127			4.38	20
p-Isopropyltoluene	5.00	5.28	5.21	106	104	76.0-125			1.33	20
2-Butanone (MEK)	25.0	28.3	24.8	113	99.2	44.0-160			13.2	20
Methylene Chloride	5.00	5.15	4.93	103	98.6	67.0-120			4.37	20

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

(LCS) R4211127-1 05/07/25 01:57 • (LCSD) R4211127-2 05/07/25 02:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	25.0	27.1	26.0	108	104	68.0-142			4.14	20
Methyl tert-butyl ether	5.00	5.10	4.97	102	99.4	68.0-125			2.58	20
Naphthalene	5.00	3.54	3.86	70.8	77.2	54.0-135			8.65	20
n-Propylbenzene	5.00	5.37	5.19	107	104	77.0-124			3.41	20
Styrene	5.00	4.45	4.48	89.0	89.6	73.0-130			0.672	20
1,1,1,2-Tetrachloroethane	5.00	6.14	5.99	123	120	75.0-125			2.47	20
1,1,2,2-Tetrachloroethane	5.00	5.04	4.85	101	97.0	65.0-130			3.84	20
1,1,2-Trichlorotrifluoroethane	5.00	5.58	5.28	112	106	69.0-132			5.52	20
Tetrachloroethene	5.00	5.48	5.35	110	107	72.0-132			2.40	20
Toluene	5.00	5.08	4.85	102	97.0	79.0-120			4.63	20
1,2,3-Trichlorobenzene	5.00	3.74	3.88	74.8	77.6	50.0-138			3.67	20
1,2,4-Trichlorobenzene	5.00	3.99	4.13	79.8	82.6	57.0-137			3.45	20
1,1,1-Trichloroethane	5.00	5.59	5.32	112	106	73.0-124			4.95	20
1,1,2-Trichloroethane	5.00	5.42	5.31	108	106	80.0-120			2.05	20
Trichloroethene	5.00	5.52	5.12	110	102	78.0-124			7.52	20
Trichlorofluoromethane	5.00	5.66	5.29	113	106	59.0-147			6.76	20
1,2,3-Trichloropropane	5.00	5.44	5.18	109	104	73.0-130			4.90	20
1,2,4-Trimethylbenzene	5.00	5.30	5.20	106	104	76.0-121			1.90	20
1,2,3-Trimethylbenzene	5.00	5.11	5.11	102	102	77.0-120			0.000	20
1,3,5-Trimethylbenzene	5.00	5.33	5.19	107	104	76.0-122			2.66	20
Vinyl chloride	5.00	5.53	5.34	111	107	67.0-131			3.50	20
Xylenes, Total	15.0	15.5	14.8	103	98.7	79.0-123			4.62	20
(S) Toluene-d8				*102*	*101*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.1*	*98.5*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*109*	*107*	*70.0-130*				

Method Blank (MB)

(MB) R4211449-1 05/07/25 20:01

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	*93.5*			*52.0-156*

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

(LCS) R4211449-2 05/07/25 20:23 • (LCSD) R4211449-3 05/07/25 20:45

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
C10-C28 Diesel Range	1500	1460	1630	97.3	109	50.0-150			11.0	20
(S) o-Terphenyl				*98.5*	*98.5*	*52.0-156*				

Method Blank (MB)

(MB) R4211401-3 05/07/25 16:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acenaphthene	U		0.0886	1.00
Acenaphthylene	U		0.0921	1.00
Anthracene	U		0.0804	1.00
Benzidine	U		3.74	10.0
Benzo(a)anthracene	U		0.199	1.00
Benzo(b)fluoranthene	U		0.130	1.00
Benzo(k)fluoranthene	U		0.120	1.00
Benzo(g,h,i)perylene	U		0.121	1.00
Benzo(a)pyrene	U		0.0381	1.00
Bis(2-chlorethoxy)methane	U		0.116	10.0
Bis(2-chloroethyl)ether	U		0.137	10.0
2,2-Oxybis(1-Chloropropane)	U		0.210	10.0
4-Bromophenyl-phenylether	U		0.0877	10.0
2-Chloronaphthalene	U		0.0648	1.00
4-Chlorophenyl-phenylether	U		0.0926	10.0
Chrysene	U		0.130	1.00
Dibenz(a,h)anthracene	U		0.0644	1.00
1,2-Dichlorobenzene	U		0.0713	10.0
1,3-Dichlorobenzene	U		0.132	10.0
1,4-Dichlorobenzene	U		0.0942	10.0
3,3-Dichlorobenzidine	U		0.212	10.0
2,4-Dinitrotoluene	U		0.0983	10.0
2,6-Dinitrotoluene	U		0.250	10.0
Fluoranthene	U		0.102	1.00
Fluorene	U		0.0844	1.00
Hexachlorobenzene	U		0.0755	1.00
Hexachloro-1,3-butadiene	U		0.0968	10.0
Hexachlorocyclopentadiene	U		0.0598	10.0
Hexachloroethane	U		0.127	10.0
Indeno(1,2,3-cd)pyrene	U		0.279	1.00
Isophorone	U		0.143	10.0
1-Methylnaphthalene	U		0.0790	1.00
2-Methylnaphthalene	U		0.117	1.00
Naphthalene	U		0.159	1.00
Nitrobenzene	U		0.297	10.0
n-Nitrosodimethylamine	U		0.998	10.0
n-Nitrosodiphenylamine	U		2.37	10.0
n-Nitrosodi-n-propylamine	U		0.261	10.0
Phenanthrene	U		0.112	1.00
Benzylbutyl phthalate	U		0.765	3.00

Method Blank (MB)

(MB) R4211401-3 05/07/25 16:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bis(2-ethylhexyl)phthalate	U		0.895	3.00
Di-n-butyl phthalate	U		0.453	3.00
Diethyl phthalate	U		0.287	3.00
Dimethyl phthalate	U		0.260	3.00
Di-n-octyl phthalate	U		0.932	3.00
Pyrene	U		0.107	1.00
1,2,4-Trichlorobenzene	U		0.0698	10.0
4-Chloro-3-methylphenol	U		0.131	10.0
2-Chlorophenol	U		0.133	10.0
2,4-Dichlorophenol	U		0.102	10.0
2,4-Dimethylphenol	U		0.0636	10.0
4,6-Dinitro-2-methylphenol	U		1.12	10.0
2,4-Dinitrophenol	U		5.93	10.0
2-Nitrophenol	U		0.117	10.0
4-Nitrophenol	U		0.143	10.0
Pentachlorophenol	U		0.313	10.0
Phenol	U		4.33	10.0
2,4,6-Trichlorophenol	U		0.100	10.0
(S) 2-Fluorophenol	*33.1*			*10.0-120*
(S) Phenol-d5	*19.7*			*10.0-120*
(S) Nitrobenzene-d5	*57.0*			*10.0-127*
(S) 2-Fluorobiphenyl	*60.5*			*10.0-130*
(S) 2,4,6-Tribromophenol	*66.5*			*10.0-155*
(S) p-Terphenyl-d14	*56.8*			*10.0-128*

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

(LCS) R4211401-1 05/07/25 15:57 • (LCSD) R4211401-2 05/07/25 16:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	50.0	31.6	31.5	63.2	63.0	41.0-120			0.317	22
Acenaphthylene	50.0	33.2	32.7	66.4	65.4	43.0-120			1.52	22
Anthracene	50.0	29.2	29.4	58.4	58.8	45.0-120			0.683	20
Benzidine	100	8.20	9.13	8.20	9.13	10.0-120	J4	J4	10.7	36
Benzo(a)anthracene	50.0	28.0	28.1	56.0	56.2	47.0-120			0.357	20
Benzo(b)fluoranthene	50.0	27.8	27.2	55.6	54.4	46.0-120			2.18	20
Benzo(k)fluoranthene	50.0	27.2	27.1	54.4	54.2	46.0-120			0.368	21
Benzo(g,h,i)perylene	50.0	26.7	26.5	53.4	53.0	48.0-121			0.752	20
Benzo(a)pyrene	50.0	28.1	27.7	56.2	55.4	47.0-120			1.43	20

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

(LCS) R4211401-1 05/07/25 15:57 • (LCSD) R4211401-2 05/07/25 16:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bis(2-chlorethoxy)methane	50.0	25.1	24.8	50.2	49.6	33.0-120			1.20	24
Bis(2-chloroethyl)ether	50.0	24.6	24.6	49.2	49.2	23.0-120			0.000	33
2,2-Oxybis(1-Chloropropane)	50.0	27.1	27.4	54.2	54.8	28.0-120			1.10	31
4-Bromophenyl-phenylether	50.0	35.2	35.3	70.4	70.6	45.0-120			0.284	20
2-Chloronaphthalene	50.0	29.5	29.3	59.0	58.6	37.0-120			0.680	25
4-Chlorophenyl-phenylether	50.0	34.9	34.7	69.8	69.4	44.0-120			0.575	20
Chrysene	50.0	29.5	29.6	59.0	59.2	48.0-120			0.338	20
Dibenz(a,h)anthracene	50.0	28.0	28.0	56.0	56.0	47.0-120			0.000	20
1,2-Dichlorobenzene	50.0	29.5	28.5	59.0	57.0	20.0-120			3.45	34
1,3-Dichlorobenzene	50.0	28.6	28.1	57.2	56.2	17.0-120			1.76	35
1,4-Dichlorobenzene	50.0	30.2	29.9	60.4	59.8	18.0-120			0.998	34
3,3-Dichlorobenzidine	100	58.4	60.9	58.4	60.9	44.0-120			4.19	20
2,4-Dinitrotoluene	50.0	35.9	35.5	71.8	71.0	49.0-124			1.12	20
2,6-Dinitrotoluene	50.0	33.8	33.2	67.6	66.4	46.0-120			1.79	21
Fluoranthene	50.0	33.0	33.6	66.0	67.2	51.0-120			1.80	20
Fluorene	50.0	32.4	32.0	64.8	64.0	47.0-120			1.24	20
Hexachlorobenzene	50.0	34.0	34.3	68.0	68.6	44.0-120			0.878	20
Hexachloro-1,3-butadiene	50.0	32.7	32.2	65.4	64.4	19.0-120			1.54	32
Hexachlorocyclopentadiene	50.0	13.8	15.0	27.6	30.0	15.0-120			8.33	31
Hexachloroethane	50.0	28.3	28.6	56.6	57.2	15.0-120			1.05	37
Indeno(1,2,3-cd)pyrene	50.0	27.5	27.0	55.0	54.0	49.0-122			1.83	20
Isophorone	50.0	25.9	25.3	51.8	50.6	36.0-120			2.34	23
1-Methylnaphthalene	50.0	31.4	30.6	62.8	61.2	33.0-120			2.58	24
2-Methylnaphthalene	50.0	31.0	30.3	62.0	60.6	33.0-120			2.28	25
Naphthalene	50.0	27.4	26.9	54.8	53.8	27.0-120			1.84	27
Nitrobenzene	50.0	26.0	25.5	52.0	51.0	27.0-120			1.94	29
n-Nitrosodimethylamine	50.0	17.3	17.3	34.6	34.6	10.0-120			0.000	40
n-Nitrosodiphenylamine	50.0	29.5	30.0	59.0	60.0	47.0-120			1.68	20
n-Nitrosodi-n-propylamine	50.0	26.4	25.8	52.8	51.6	31.0-120			2.30	28
Phenanthrene	50.0	28.7	29.6	57.4	59.2	46.0-120			3.09	20
Benzylbutyl phthalate	50.0	27.6	27.5	55.2	55.0	43.0-121			0.363	20
Bis(2-ethylhexyl)phthalate	50.0	27.0	27.3	54.0	54.6	43.0-122			1.10	20
Di-n-butyl phthalate	50.0	32.3	33.1	64.6	66.2	49.0-121			2.45	20
Diethyl phthalate	50.0	32.9	32.9	65.8	65.8	48.0-122			0.000	20
Dimethyl phthalate	50.0	32.8	32.6	65.6	65.2	48.0-120			0.612	20
Di-n-octyl phthalate	50.0	25.8	26.4	51.6	52.8	42.0-125			2.30	20
Pyrene	50.0	24.8	24.6	49.6	49.2	47.0-120			0.810	20
1,2,4-Trichlorobenzene	50.0	31.8	30.9	63.6	61.8	24.0-120			2.87	29
4-Chloro-3-methylphenol	50.0	25.9	27.0	51.8	54.0	40.0-120			4.16	21
2-Chlorophenol	50.0	22.4	23.9	44.8	47.8	25.0-120			6.48	35

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

(LCS) R4211401-1 05/07/25 15:57 • (LCSD) R4211401-2 05/07/25 16:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,4-Dichlorophenol	50.0	30.0	30.2	60.0	60.4	36.0-120			0.664	26
2,4-Dimethylphenol	50.0	23.5	24.7	47.0	49.4	33.0-120			4.98	26
4,6-Dinitro-2-methylphenol	50.0	31.0	31.1	62.0	62.2	38.0-138			0.322	25
2,4-Dinitrophenol	50.0	23.0	23.5	46.0	47.0	10.0-120			2.15	39
2-Nitrophenol	50.0	31.9	31.0	63.8	62.0	31.0-120			2.86	29
4-Nitrophenol	50.0	9.66	10.4	19.3	20.8	10.0-120			7.38	33
Pentachlorophenol	50.0	15.9	16.4	31.8	32.8	23.0-120			3.10	25
Phenol	50.0	10.4	11.8	20.8	23.6	10.0-120			12.6	36
2,4,6-Trichlorophenol	50.0	33.3	32.8	66.6	65.6	42.0-120			1.51	23
(S) 2-Fluorophenol				*31.4*	*33.2*	*10.0-120*				
(S) Phenol-d5				*20.5*	*21.1*	*10.0-120*				
(S) Nitrobenzene-d5				*54.7*	*53.1*	*10.0-127*				
(S) 2-Fluorobiphenyl				*62.3*	*61.3*	*10.0-130*				
(S) 2,4,6-Tribromophenol				*76.0*	*77.5*	*10.0-155*				
(S) p-Terphenyl-d14				*53.0*	*53.3*	*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

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

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
C7	The initial calibration verification standard (SSCV) associated with this data responded high.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.

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.

F096

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

L1655732

Scan QR Code for instructions

Company Name: CTEH, LLC
Street Address: 5120 North Shore Drive, North Little Rock, AR 72118

Contact/Report To: Lab Results, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman
Phone #:
E-Mail: labresults@cteh.com; kylelawrence@cteh.com; tmcmullin@cteh.com; ahenault@cteh.com
Cc E-Mail: ecatlin@cteh.com; mklinkerman@cteh.com

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
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	2 x 1
Identify Container Preservative Type***									
4	1	2	2	11	1	1	3	3	1

Analysis Requested

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

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

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

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	VOCs 8260D; TPH-GRO/DRO/ORO	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium	TDS; TSS	Anions; Alkalinity; pH	Total Phosphorus; Total Nitrogen; TKN;	TOC	MBAS	Sample Comment	Preservation non-conformance identified for sample.
GAC00506T071F001	SW	G	-	-	5/6/2025	1200	19	-	-	X	X	X	X	X	X	X	X	X	X	01	
GAC00503T071WT003	OT	-	-	-	5/6/2025	0700	1	-	-	X	-	-	-	-	-	-	-	-	-	02	

PA

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: Presley Alaniz

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	[ ] On Ice
		4.0+0.4	= 4.4	TUA9	

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
CTEH	05/06/25 1800	PACE	05/06/25 1800	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) CROBERTS	Date/Time: 0507.25 0800	Delivered by: [ ] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: of

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

19

F096

Rev_01
MAK 05/15/25

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

L1655732

Scan QR Code for instructions

Company Name: CTEH, LLC	Contact/Report To: Lab Results, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman
Street Address: 5120 North Shore Drive, North Little Rock, AR 72118	Phone #:
	E-Mail: labresults@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 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)

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	SVOCs 8270E	Total Metals 6020B; Hardness 130.1	Dissolved Metals 6020B	Hexavalent Chromium	TDS; TSS	Anions; Alkalinity; pH	Total Phosphorus; Total Nitrogen; TKN;	TOC	MBAS	Sample Comment	Preservation non-conformance identified for sample.
										Specify Container Size **										**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other	
										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	2 x 1		
										Identify Container Preservative Type***										*** 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	
										4	1	2	2	11	1	1	3	3	1		
										Analysis Requested											
GAC00506T071F001	SW	G	-	-	5/6/2025	1200	19	-	-	X	X	X	X	X	X	X	X	X	X	01	
~~GAC00503T071WT00~~3 MAK 05/15/25	OT	-	-	-	5/6/2025	0700	1	-	-	X	-	-	-	-	-	-	-	-	-	02	
~~GACO0506T071WT003~~																					
						PA															

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

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: Presley Alaniz

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):	[ ] On Ice
		4.0+0.4	= 4.4	TUA9	

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
CTEH	05/06/25 1800	PACE	05/06/25 1800	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) CROBERTS	Date/Time: 0507.25 0800	Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: of

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

19