ANALYTICAL REPORT

May 31, 2025

Pace Analytical Services, LLC
2025.06.01 22:44:19 -05'00'
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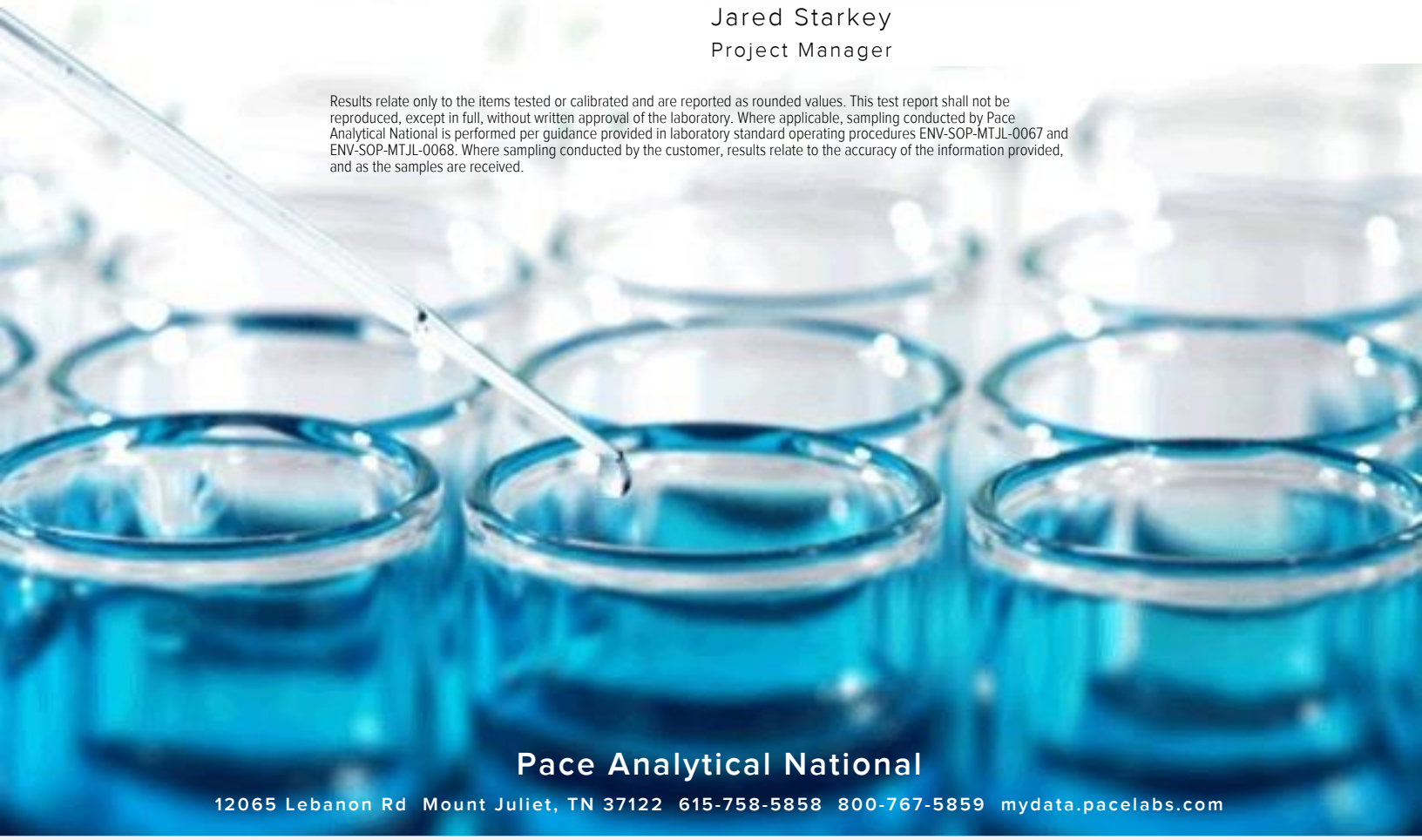
CTEH - ER

Sample Delivery Group:	L1863382
Samples Received:	05/28/2025
Project Number:	PROJ-054017
Description:	Bishop Loss of Containment Incident
Site:	GALETON, CO
Report To:	CTEH
	5120 North Shore Drive
	North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager

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



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

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SAMPLE SUMMARY

GACO0527T173-1S001 L1863382-01

Collected by: M. Beck
Collected date/time: 05/27/25 14:30
Received date/time: 05/28/25 11:20

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2525550	1	05/28/25 17:31	05/30/25 23:37	CAT	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2525326	1	05/28/25 12:48	05/28/25 13:05	KDW	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2525557	1	05/28/25 16:01	05/28/25 23:02	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2526842	1	05/30/25 07:49	05/30/25 23:37	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2525550	1	05/28/25 17:31	05/28/25 19:11	ZSA	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2525540	5	05/28/25 17:05	05/29/25 15:01	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2525573	1	05/28/25 16:21	05/28/25 21:07	BAG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2525429	1	05/28/25 12:31	05/28/25 14:12	WHS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2525523	2	05/28/25 15:05	05/29/25 09:43	LS	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

Metals (ICP) by Method 6010D

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

Batch	Lab Sample ID	Analytes
WG2525573	(MS) R4222067-5, (MSD) R4222067-6	Aluminum, Calcium and Iron

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

Batch	Lab Sample ID	Analytes
WG2525573	(MS) R4222067-5, (MSD) R4222067-6	Antimony, Manganese and Potassium

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

Batch	Lab Sample ID	Analytes
WG2525573	(MS) R4222067-5	Magnesium

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

Batch	Lab Sample ID	Analytes
WG2525573	(MSD) R4222067-6	Aluminum, Calcium and Iron

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

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

Batch	Lab Sample ID	Analytes
WG2525429	(LCS) R4222056-1, (LCSD) R4222056-3, L1863382-01	2,2-Dichloropropane, Acetone, Chloroform and Dibromomethane

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

Batch	Lab Sample ID	Analytes
WG2525429	(LCSD) R4222056-3, L1863382-01	Acetone and Bromomethane

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
WG2525523	L1863382-01	Hexachlorocyclopentadiene

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

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

Batch	Lab Sample ID	Analytes
WG2525523	(MS) R4222321-1, (MSD) R4222321-2, L1863382-01	Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2525523	(MSD) R4222321-2, L1863382-01	Hexachlorocyclopentadiene

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	721000		25000	1	05/30/2025 23:37	WG2525550

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.0		1	05/28/2025 13:05	WG2525326

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		12500	1	05/28/2025 23:02	WG2525557

Wet Chemistry by Method 4500NOrg D-2021

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	718000		25000	1	05/30/2025 23:37	WG2526842

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		25000	1	05/28/2025 19:11	WG2525550

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	5710000		500000	5	05/29/2025 15:01	WG2525540

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	10300000		25000	1	05/28/2025 21:07	WG2525573
Antimony	ND		2500	1	05/28/2025 21:07	WG2525573
Beryllium	578		250	1	05/28/2025 21:07	WG2525573
Calcium	12400000		125000	1	05/28/2025 21:07	WG2525573
Chromium	10600		1250	1	05/28/2025 21:07	WG2525573
Cobalt	4140		1250	1	05/28/2025 21:07	WG2525573
Iron	11000000		12500	1	05/28/2025 21:07	WG2525573
Magnesium	3640000		125000	1	05/28/2025 21:07	WG2525573
Manganese	189000		1250	1	05/28/2025 21:07	WG2525573
Potassium	2720000		125000	1	05/28/2025 21:07	WG2525573
Sodium	ND		125000	1	05/28/2025 21:07	WG2525573
Thallium	ND		2500	1	05/28/2025 21:07	WG2525573
Vanadium	19300		2500	1	05/28/2025 21:07	WG2525573

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	ND	J3 J4	75.0	1	05/28/2025 14:12	WG2525429
Acrylonitrile	ND		18.8	1	05/28/2025 14:12	WG2525429
Bromobenzene	ND		18.8	1	05/28/2025 14:12	WG2525429
Bromodichloromethane	ND		3.75	1	05/28/2025 14:12	WG2525429
Bromoform	ND		37.5	1	05/28/2025 14:12	WG2525429

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Bromomethane	ND	J3	18.8	1	05/28/2025 14:12	WG2525429
n-Butylbenzene	ND		18.8	1	05/28/2025 14:12	WG2525429
sec-Butylbenzene	ND		18.8	1	05/28/2025 14:12	WG2525429
tert-Butylbenzene	ND		7.50	1	05/28/2025 14:12	WG2525429
Carbon tetrachloride	ND		7.50	1	05/28/2025 14:12	WG2525429
Chlorobenzene	ND		3.75	1	05/28/2025 14:12	WG2525429
Chlorodibromomethane	ND		3.75	1	05/28/2025 14:12	WG2525429
Chloroethane	ND		7.50	1	05/28/2025 14:12	WG2525429
Chloroform	ND	J4	3.75	1	05/28/2025 14:12	WG2525429
Chloromethane	ND		18.8	1	05/28/2025 14:12	WG2525429
2-Chlorotoluene	ND		3.75	1	05/28/2025 14:12	WG2525429
4-Chlorotoluene	ND		7.50	1	05/28/2025 14:12	WG2525429
1,2-Dibromo-3-Chloropropane	ND		37.5	1	05/28/2025 14:12	WG2525429
1,2-Dibromoethane	ND		3.75	1	05/28/2025 14:12	WG2525429
Dibromomethane	ND	J4	7.50	1	05/28/2025 14:12	WG2525429
1,2-Dichlorobenzene	ND		7.50	1	05/28/2025 14:12	WG2525429
1,3-Dichlorobenzene	ND		7.50	1	05/28/2025 14:12	WG2525429
1,4-Dichlorobenzene	ND		7.50	1	05/28/2025 14:12	WG2525429
Dichlorodifluoromethane	ND		7.50	1	05/28/2025 14:12	WG2525429
1,1-Dichloroethane	ND		3.75	1	05/28/2025 14:12	WG2525429
1,2-Dichloroethane	ND		3.75	1	05/28/2025 14:12	WG2525429
1,1-Dichloroethene	ND		3.75	1	05/28/2025 14:12	WG2525429
cis-1,2-Dichloroethene	ND		3.75	1	05/28/2025 14:12	WG2525429
trans-1,2-Dichloroethene	ND		7.50	1	05/28/2025 14:12	WG2525429
1,2-Dichloropropane	ND		7.50	1	05/28/2025 14:12	WG2525429
1,1-Dichloropropene	ND		3.75	1	05/28/2025 14:12	WG2525429
1,3-Dichloropropane	ND		7.50	1	05/28/2025 14:12	WG2525429
cis-1,3-Dichloropropene	ND		3.75	1	05/28/2025 14:12	WG2525429
trans-1,3-Dichloropropene	ND		7.50	1	05/28/2025 14:12	WG2525429
2,2-Dichloropropane	ND	J4	3.75	1	05/28/2025 14:12	WG2525429
Di-isopropyl ether	ND		1.50	1	05/28/2025 14:12	WG2525429
Hexachloro-1,3-butadiene	ND		37.5	1	05/28/2025 14:12	WG2525429
Isopropylbenzene	ND		3.75	1	05/28/2025 14:12	WG2525429
p-Isopropyltoluene	ND		7.50	1	05/28/2025 14:12	WG2525429
2-Butanone (MEK)	ND		150	1	05/28/2025 14:12	WG2525429
Methylene Chloride	ND		37.5	1	05/28/2025 14:12	WG2525429
4-Methyl-2-pentanone (MIBK)	ND		37.5	1	05/28/2025 14:12	WG2525429
Methyl tert-butyl ether	ND		1.50	1	05/28/2025 14:12	WG2525429
n-Propylbenzene	ND		7.50	1	05/28/2025 14:12	WG2525429
Styrene	ND		18.8	1	05/28/2025 14:12	WG2525429
1,1,1,2-Tetrachloroethane	ND		3.75	1	05/28/2025 14:12	WG2525429
1,1,2,2-Tetrachloroethane	ND		3.75	1	05/28/2025 14:12	WG2525429
1,1,2-Trichlorotrifluoroethane	ND		3.75	1	05/28/2025 14:12	WG2525429
Tetrachloroethene	ND		3.75	1	05/28/2025 14:12	WG2525429
1,2,3-Trichlorobenzene	ND		18.8	1	05/28/2025 14:12	WG2525429
1,2,4-Trichlorobenzene	ND		18.8	1	05/28/2025 14:12	WG2525429
1,1,1-Trichloroethane	ND		3.75	1	05/28/2025 14:12	WG2525429
1,1,2-Trichloroethane	ND		3.75	1	05/28/2025 14:12	WG2525429
Trichloroethene	ND		1.50	1	05/28/2025 14:12	WG2525429
Trichlorofluoromethane	ND		3.75	1	05/28/2025 14:12	WG2525429
1,2,3-Trichloropropane	ND		18.8	1	05/28/2025 14:12	WG2525429
1,2,3-Trimethylbenzene	ND		7.50	1	05/28/2025 14:12	WG2525429
Vinyl chloride	ND		3.75	1	05/28/2025 14:12	WG2525429
(S) Toluene-d8	*94.4*		*75.0-131*		*05/28/2025 14:12*	WG2525429
(S) 4-Bromofluorobenzene	*103*		*67.0-138*		*05/28/2025 14:12*	WG2525429
(S) 1,2-Dichloroethane-d4	*89.9*		*70.0-130*		*05/28/2025 14:12*	WG2525429

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acenaphthylene	ND		83.2	2	05/29/2025 09:43	WG2525523
Benzidine	ND		4170	2	05/29/2025 09:43	WG2525523
Benzo(g,h,i)perylene	ND		83.2	2	05/29/2025 09:43	WG2525523
Bis(2-chlorethoxy)methane	ND		832	2	05/29/2025 09:43	WG2525523
Bis(2-chloroethyl)ether	ND		832	2	05/29/2025 09:43	WG2525523
2,2-Oxybis(1-Chloropropane)	ND		832	2	05/29/2025 09:43	WG2525523
4-Bromophenyl-phenylether	ND		832	2	05/29/2025 09:43	WG2525523
2-Chloronaphthalene	ND		83.2	2	05/29/2025 09:43	WG2525523
4-Chlorophenyl-phenylether	ND		832	2	05/29/2025 09:43	WG2525523
1,2-Dichlorobenzene	ND		832	2	05/29/2025 09:43	WG2525523
1,3-Dichlorobenzene	ND		832	2	05/29/2025 09:43	WG2525523
1,4-Dichlorobenzene	ND		832	2	05/29/2025 09:43	WG2525523
3,3-Dichlorobenzidine	ND		832	2	05/29/2025 09:43	WG2525523
2,4-Dinitrotoluene	ND		832	2	05/29/2025 09:43	WG2525523
2,6-Dinitrotoluene	ND		832	2	05/29/2025 09:43	WG2525523
Hexachlorobenzene	ND		832	2	05/29/2025 09:43	WG2525523
Hexachloro-1,3-butadiene	ND		832	2	05/29/2025 09:43	WG2525523
Hexachlorocyclopentadiene	ND	C7 J3 J6	832	2	05/29/2025 09:43	WG2525523
Hexachloroethane	ND		832	2	05/29/2025 09:43	WG2525523
Isophorone	ND		832	2	05/29/2025 09:43	WG2525523
Nitrobenzene	ND		832	2	05/29/2025 09:43	WG2525523
n-Nitrosodimethylamine	ND		832	2	05/29/2025 09:43	WG2525523
n-Nitrosodiphenylamine	ND		832	2	05/29/2025 09:43	WG2525523
n-Nitrosodi-n-propylamine	ND		832	2	05/29/2025 09:43	WG2525523
Phenanthrene	ND		83.2	2	05/29/2025 09:43	WG2525523
Benzylbutyl phthalate	ND		832	2	05/29/2025 09:43	WG2525523
Bis(2-ethylhexyl)phthalate	ND		832	2	05/29/2025 09:43	WG2525523
Di-n-butyl phthalate	ND		832	2	05/29/2025 09:43	WG2525523
Diethyl phthalate	ND		832	2	05/29/2025 09:43	WG2525523
Dimethyl phthalate	ND		832	2	05/29/2025 09:43	WG2525523
Di-n-octyl phthalate	ND		832	2	05/29/2025 09:43	WG2525523
1,2,4-Trichlorobenzene	ND		832	2	05/29/2025 09:43	WG2525523
4-Chloro-3-methylphenol	ND		832	2	05/29/2025 09:43	WG2525523
2-Chlorophenol	ND		832	2	05/29/2025 09:43	WG2525523
2,4-Dichlorophenol	ND		832	2	05/29/2025 09:43	WG2525523
2,4-Dimethylphenol	ND		832	2	05/29/2025 09:43	WG2525523
4,6-Dinitro-2-methylphenol	ND		832	2	05/29/2025 09:43	WG2525523
2,4-Dinitrophenol	ND		832	2	05/29/2025 09:43	WG2525523
2-Nitrophenol	ND		832	2	05/29/2025 09:43	WG2525523
4-Nitrophenol	ND		832	2	05/29/2025 09:43	WG2525523
Pentachlorophenol	ND		832	2	05/29/2025 09:43	WG2525523
Phenol	ND		832	2	05/29/2025 09:43	WG2525523
2,4,6-Trichlorophenol	ND		832	2	05/29/2025 09:43	WG2525523
(S) 2-Fluorophenol	*45.4*		*12.0-120*		*05/29/2025 09:43*	WG2525523
(S) Phenol-d5	*39.4*		*10.0-120*		*05/29/2025 09:43*	WG2525523
(S) Nitrobenzene-d5	*37.3*		*10.0-122*		*05/29/2025 09:43*	WG2525523
(S) 2-Fluorobiphenyl	*38.3*		*15.0-120*		*05/29/2025 09:43*	WG2525523
(S) 2,4,6-Tribromophenol	*48.9*		*10.0-127*		*05/29/2025 09:43*	WG2525523
(S) p-Terphenyl-d14	*42.0*		*10.0-120*		*05/29/2025 09:43*	WG2525523

Sample Narrative:

L1863382-01 WG2525523: Dilution due to matrix impact during extract concentration procedure.

Method Blank (MB)

(MB) R4222210-1 05/28/25 13:05

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

L1863382-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1863382-01 05/28/25 13:05 • (DUP) R4222210-3 05/28/25 13:05

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	80.0	81.7	1	2.09		10

Laboratory Control Sample (LCS)

(LCS) R4222210-2 05/28/25 13:05

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

Method Blank (MB)

(MB) R4222094-1 05/28/25 22:59

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Ammonia Nitrogen	U		7190	10000

L1863392-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1863392-06 05/28/25 23:18 • (DUP) R4222094-5 05/28/25 23:20

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	ND	ND	1	0.000		20

L1863395-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1863395-01 05/28/25 23:41 • (DUP) R4222094-6 05/28/25 23:42

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

Laboratory Control Sample (LCS)

(LCS) R4222094-2 05/28/25 23:00

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	250000	275000	110	90.0-110	

L1863392-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1863392-05 05/28/25 23:09 • (MS) R4222094-3 05/28/25 23:11 • (MSD) R4222094-4 05/28/25 23:12

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	250000	ND	253000	250000	101	100	1	90.0-110			0.885	20

Method Blank (MB)

(MB) R4223314-1 05/30/25 23:26

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Kjeldahl Nitrogen, TKN	U		15200	20000

L1863382-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1863382-01 05/30/25 23:37 • (DUP) R4223314-18 05/30/25 23:38

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	718000	629000	1	13.2		20

L1863392-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1863392-03 05/31/25 00:23 • (DUP) R4223314-34 05/31/25 00:25

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	4190000	3790000	5	10.2		20

Laboratory Control Sample (LCS)

(LCS) R4223314-3 05/30/25 23:27

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	466000	464000	99.5	81.7-124	

Method Blank (MB)

(MB) R4222146-1 05/28/25 18:44

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Nitrate-Nitrite	U		606	20000

Laboratory Control Sample (LCS)

(LCS) R4222146-2 05/28/25 18:58

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40000	45700	114	80.0-120	

L1863382-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1863382-01 05/28/25 19:11 • (MS) R4222146-3 05/28/25 19:25 • (MSD) R4222146-4 05/28/25 19:38

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	50000	ND	54700	56800	105	109	1	80.0-120			3.66	15

Method Blank (MB)

(MB) R4222478-1 05/29/25 15:01

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
TOC By Walkley Black	U		25500	100000

L1863395-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1863395-01 05/29/25 15:04 • (DUP) R4222478-5 05/29/25 15:04

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	12300000	12000000	5	3.01		20

L1863395-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1863395-15 05/29/25 15:07 • (DUP) R4222478-6 05/29/25 15:07

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	37600000	43000000	19	13.4		20

Laboratory Control Sample (LCS)

(LCS) R4222478-2 05/29/25 15:01

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC By Walkley Black	3230000	3480000	108	75.0-144	

L1863392-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1863392-09 05/29/25 15:03 • (MS) R4222478-3 05/29/25 15:03 • (MSD) R4222478-4 05/29/25 15:04

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC By Walkley Black	40000000	24100000	62700000	59300000	96.4	97.8	10	80.0-120			5.50	20

Method Blank (MB)

(MB) R4222067-1 05/28/25 20:55

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Aluminum	U		6080	20000
Antimony	U		691	2000
Beryllium	U		47.7	200
Calcium	U		19000	100000
Chromium	U		214	1000
Cobalt	U		177	1000
Iron	U		2240	10000
Magnesium	U		19900	100000
Manganese	U		173	1000
Potassium	U		20900	100000
Sodium	U		41200	100000
Thallium	U		518	2000
Vanadium	U		383	2000

Laboratory Control Sample (LCS)

(LCS) R4222067-2 05/28/25 20:57

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000000	1010000	101	80.0-120	
Antimony	100000	99600	99.6	80.0-120	
Beryllium	100000	100000	100	80.0-120	
Calcium	1000000	994000	99.4	80.0-120	
Chromium	100000	95400	95.4	80.0-120	
Cobalt	100000	95600	95.6	80.0-120	
Iron	1000000	991000	99.1	80.0-120	
Magnesium	1000000	1020000	102	80.0-120	
Manganese	100000	101000	101	80.0-120	
Potassium	1000000	1040000	104	80.0-120	
Sodium	1000000	1010000	101	80.0-120	
Thallium	100000	103000	103	80.0-120	
Vanadium	100000	98600	98.6	80.0-120	

L1863392-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1863392-19 05/28/25 20:58 • (MS) R4222067-5 05/28/25 21:04 • (MSD) R4222067-6 05/28/25 21:05

Analyte	Spike Amount ug/kg	Original Result ug/kg	MS Result ug/kg	MSD Result ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	1000000	6940000	9180000	7400000	225	46.1	1	75.0-125	V	J3 V	21.5	20
Antimony	100000	ND	60700	60200	60.7	60.2	1	75.0-125	J6	J6	0.773	20
Beryllium	100000	528	96800	95700	96.3	95.2	1	75.0-125			1.09	20
Calcium	1000000	21400000	17500000	13300000	0.000	0.000	1	75.0-125	V	J3 V	27.1	20
Chromium	100000	7350	108000	103000	100	95.7	1	75.0-125			4.39	20
Cobalt	100000	4080	103000	98500	98.9	94.4	1	75.0-125			4.45	20
Iron	1000000	9050000	13100000	9090000	401	4.00	1	75.0-125	V	J3 V	35.9	20
Magnesium	1000000	3100000	4590000	4250000	150	115	1	75.0-125	J5		7.89	20
Manganese	100000	183000	253000	219000	70.3	35.7	1	75.0-125	J6	J6	14.6	20
Potassium	1000000	1330000	2100000	1840000	76.9	50.2	1	75.0-125		J6	13.6	20
Sodium	1000000	108000	1110000	1110000	101	100	1	75.0-125			0.342	20
Thallium	100000	ND	101000	99700	101	99.7	1	75.0-125			1.41	20
Vanadium	100000	16900	117000	113000	100	96.2	1	75.0-125			3.37	20

Method Blank (MB)

(MB) R4222056-2 05/28/25 10:50

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Acetone	U		36.5	50.0
Acrylonitrile	U		3.61	12.5
Bromobenzene	U		0.900	12.5
Bromodichloromethane	U		0.725	2.50
Bromoform	U		1.17	25.0
Bromomethane	U		1.97	12.5
n-Butylbenzene	U		5.25	12.5
sec-Butylbenzene	U		2.88	12.5
tert-Butylbenzene	U		1.95	5.00
Carbon tetrachloride	U		0.898	5.00
Chlorobenzene	U		0.210	2.50
Chlorodibromomethane	U		0.612	2.50
Chloroethane	U		1.70	5.00
Chloroform	U		1.03	2.50
Chloromethane	U		4.35	12.5
2-Chlorotoluene	U		0.865	2.50
4-Chlorotoluene	U		0.450	5.00
1,2-Dibromo-3-Chloropropane	U		3.90	25.0
1,2-Dibromoethane	U		0.648	2.50
Dibromomethane	U		0.750	5.00
1,2-Dichlorobenzene	U		0.425	5.00
1,3-Dichlorobenzene	U		0.600	5.00
1,4-Dichlorobenzene	U		0.700	5.00
Dichlorodifluoromethane	U		1.61	5.00
1,1-Dichloroethane	U		0.491	2.50
1,2-Dichloroethane	U		0.649	2.50
1,1-Dichloroethene	U		0.606	2.50
cis-1,2-Dichloroethene	U		0.734	2.50
trans-1,2-Dichloroethene	U		1.04	5.00
1,2-Dichloropropane	U		1.42	5.00
1,1-Dichloropropene	U		0.809	2.50
1,3-Dichloropropane	U		0.501	5.00
cis-1,3-Dichloropropene	U		0.757	2.50
trans-1,3-Dichloropropene	U		1.14	5.00
2,2-Dichloropropane	U		1.38	2.50
Di-isopropyl ether	U		0.410	1.00
Hexachloro-1,3-butadiene	U		6.00	25.0
Isopropylbenzene	U		0.425	2.50
p-Isopropyltoluene	U		2.55	5.00
2-Butanone (MEK)	U		63.5	100

Method Blank (MB)

(MB) R4222056-2 05/28/25 10:50

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Methylene Chloride	U		6.64	25.0
4-Methyl-2-pentanone (MIBK)	U		2.28	25.0
Methyl tert-butyl ether	U		0.350	1.00
n-Propylbenzene	U		0.950	5.00
Styrene	U		0.229	12.5
1,1,1,2-Tetrachloroethane	U		0.948	2.50
1,1,2,2-Tetrachloroethane	U		0.695	2.50
1,1,2-Trichlorotrifluoroethane	U		0.754	2.50
Tetrachloroethene	U		0.896	2.50
1,2,3-Trichlorobenzene	U		7.33	12.5
1,2,4-Trichlorobenzene	U		4.40	12.5
1,1,1-Trichloroethane	U		0.923	2.50
1,1,2-Trichloroethane	U		0.597	2.50
Trichloroethene	U		0.584	1.00
Trichlorofluoromethane	U		0.827	2.50
1,2,3-Trichloropropane	U		1.62	12.5
1,2,3-Trimethylbenzene	U		1.58	5.00
Vinyl chloride	U		1.16	2.50
(S) Toluene-d8	*94.0*			*75.0-131*
(S) 4-Bromofluorobenzene	*103*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*92.4*			*70.0-130*

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

(LCS) R4222056-1 05/28/25 09:16 • (LCSD) R4222056-3 05/28/25 13:29

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	625	1240	254	198	40.6	10.0-160	J4	J3	132	31
Acrylonitrile	625	878	794	140	127	45.0-153			10.0	22
Bromobenzene	125	110	122	88.0	97.6	73.0-121			10.3	20
Bromodichloromethane	125	135	148	108	118	73.0-121			9.19	20
Bromoform	125	106	112	84.8	89.6	64.0-132			5.50	20
Bromomethane	125	115	142	92.0	114	56.0-147		J3	21.0	20
n-Butylbenzene	125	123	131	98.4	105	68.0-135			6.30	20
sec-Butylbenzene	125	118	125	94.4	100	74.0-130			5.76	20
tert-Butylbenzene	125	116	125	92.8	100	75.0-127			7.47	20
Carbon tetrachloride	125	138	151	110	121	66.0-128			9.00	20
Chlorobenzene	125	116	129	92.8	103	76.0-128			10.6	20
Chlorodibromomethane	125	117	127	93.6	102	74.0-127			8.20	20

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

(LCS) R4222056-1 05/28/25 09:16 • (LCSD) R4222056-3 05/28/25 13:29

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloroethane	125	123	146	98.4	117	61.0-134			17.1	20
Chloroform	125	140	155	112	124	72.0-123		J4	10.2	20
Chloromethane	125	120	132	96.0	106	51.0-138			9.52	20
2-Chlorotoluene	125	119	132	95.2	106	75.0-124			10.4	20
4-Chlorotoluene	125	117	128	93.6	102	75.0-124			8.98	20
1,2-Dibromo-3-Chloropropane	125	115	119	92.0	95.2	59.0-130			3.42	20
1,2-Dibromoethane	125	124	132	99.2	106	74.0-128			6.25	20
Dibromomethane	125	141	154	113	123	75.0-122		J4	8.81	20
1,2-Dichlorobenzene	125	122	132	97.6	106	76.0-124			7.87	20
1,3-Dichlorobenzene	125	118	123	94.4	98.4	76.0-125			4.15	20
1,4-Dichlorobenzene	125	110	124	88.0	99.2	77.0-121			12.0	20
Dichlorodifluoromethane	125	109	116	87.2	92.8	43.0-156			6.22	20
1,1-Dichloroethane	125	135	148	108	118	70.0-127			9.19	20
1,2-Dichloroethane	125	156	161	125	129	65.0-131			3.15	20
1,1-Dichloroethene	125	136	147	109	118	65.0-131			7.77	20
cis-1,2-Dichloroethene	125	135	145	108	116	73.0-125			7.14	20
trans-1,2-Dichloroethene	125	134	148	107	118	71.0-125			9.93	20
1,2-Dichloropropane	125	139	154	111	123	74.0-125			10.2	20
1,1-Dichloropropene	125	138	148	110	118	73.0-125			6.99	20
1,3-Dichloropropane	125	122	132	97.6	106	80.0-125			7.87	20
cis-1,3-Dichloropropene	125	133	148	106	118	76.0-127			10.7	20
trans-1,3-Dichloropropene	125	126	140	101	112	73.0-127			10.5	20
2,2-Dichloropropane	125	149	170	119	136	59.0-135		J4	13.2	20
Di-isopropyl ether	125	144	158	115	126	60.0-136			9.27	20
Hexachloro-1,3-butadiene	125	120	113	96.0	90.4	57.0-150			6.01	20
Isopropylbenzene	125	124	134	99.2	107	72.0-127			7.75	20
p-Isopropyltoluene	125	125	131	100	105	72.0-133			4.69	20
2-Butanone (MEK)	625	962	816	154	131	30.0-160			16.4	24
Methylene Chloride	125	128	142	102	114	68.0-123			10.4	20
4-Methyl-2-pentanone (MIBK)	625	772	775	124	124	56.0-143			0.388	20
Methyl tert-butyl ether	125	158	157	126	126	66.0-132			0.635	20
n-Propylbenzene	125	116	126	92.8	101	74.0-126			8.26	20
Styrene	125	123	132	98.4	106	72.0-127			7.06	20
1,1,1,2-Tetrachloroethane	125	127	137	102	110	74.0-129			7.58	20
1,1,2,2-Tetrachloroethane	125	116	129	92.8	103	68.0-128			10.6	20
1,1,2-Trichlorotrifluoroethane	125	134	141	107	113	61.0-139			5.09	20
Tetrachloroethene	125	122	129	97.6	103	70.0-136			5.58	20
1,2,3-Trichlorobenzene	125	147	138	118	110	59.0-139			6.32	20
1,2,4-Trichlorobenzene	125	152	143	122	114	62.0-137			6.10	20
1,1,1-Trichloroethane	125	151	156	121	125	69.0-126			3.26	20

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

(LCS) R4222056-1 05/28/25 09:16 • (LCSD) R4222056-3 05/28/25 13:29

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCSD Result ug/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichloroethane	125	128	138	102	110	78.0-123			7.52	20
Trichloroethene	125	146	157	117	126	76.0-126			7.26	20
Trichlorofluoromethane	125	128	141	102	113	61.0-142			9.67	20
1,2,3-Trichloropropane	125	123	126	98.4	101	67.0-129			2.41	20
1,2,3-Trimethylbenzene	125	116	121	92.8	96.8	74.0-124			4.22	20
Vinyl chloride	125	122	136	97.6	109	63.0-134			10.9	20
(S) Toluene-d8				*93.4*	*92.8*	*75.0-131*				
(S) 4-Bromofluorobenzene				*105*	*102*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*99.2*	*97.4*	*70.0-130*				

Method Blank (MB)

(MB) R4222085-2 05/28/25 18:34

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Acenaphthylene	U		4.69	33.3
Benzidine	U		62.6	1670
Benzo(g,h,i)perylene	U		6.09	33.3
Bis(2-chlorethoxy)methane	U		10.0	333
Bis(2-chloroethyl)ether	U		11.0	333
2,2-Oxybis(1-Chloropropane)	U		14.4	333
4-Bromophenyl-phenylether	U		11.7	333
2-Chloronaphthalene	U		5.85	33.3
4-Chlorophenyl-phenylether	U		11.6	333
1,2-Dichlorobenzene	U		9.87	333
1,3-Dichlorobenzene	U		10.1	333
1,4-Dichlorobenzene	U		9.91	333
3,3-Dichlorobenzidine	U		12.3	333
2,4-Dinitrotoluene	U		9.55	333
2,6-Dinitrotoluene	U		10.9	333
Hexachlorobenzene	U		11.8	333
Hexachloro-1,3-butadiene	U		11.2	333
Hexachlorocyclopentadiene	U		17.5	333
Hexachloroethane	U		13.1	333
Isophorone	U		10.2	333
Nitrobenzene	U		11.6	333
n-Nitrosodimethylamine	U		49.4	333
n-Nitrosodiphenylamine	U		25.2	333
n-Nitrosodi-n-propylamine	U		11.1	333
Phenanthrene	U		6.61	33.3
Benzylbutyl phthalate	U		10.4	333
Bis(2-ethylhexyl)phthalate	U		42.2	333
Di-n-butyl phthalate	U		11.4	333
Diethyl phthalate	U		11.0	333
Dimethyl phthalate	U		70.6	333
Di-n-octyl phthalate	U		22.5	333
1,2,4-Trichlorobenzene	U		10.4	333
4-Chloro-3-methylphenol	U		10.8	333
2-Chlorophenol	U		11.0	333
2,4-Dichlorophenol	U		9.70	333
2,4-Dimethylphenol	U		8.70	333
4,6-Dinitro-2-methylphenol	U		75.5	333
2,4-Dinitrophenol	U		77.9	333
2-Nitrophenol	U		11.9	333
4-Nitrophenol	U		10.4	333

Method Blank (MB)

(MB) R4222085-2 05/28/25 18:34

Analyte	MB Result ug/kg	MB Qualifier	MB MDL ug/kg	MB RDL ug/kg
Pentachlorophenol	U		8.96	333
Phenol	U		13.4	333
2,4,6-Trichlorophenol	U		10.7	333
(S) 2-Fluorophenol	*67.4*			*12.0-120*
(S) Phenol-d5	*63.4*			*10.0-120*
(S) Nitrobenzene-d5	*62.5*			*10.0-122*
(S) 2-Fluorobiphenyl	*54.1*			*15.0-120*
(S) 2,4,6-Tribromophenol	*51.2*			*10.0-127*
(S) p-Terphenyl-d14	*62.5*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4222085-1 05/28/25 18:13

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	666	477	71.6	40.0-120	
Benzidine	1330	538	40.5	10.0-120	
Benzo(g,h,i)perylene	666	430	64.6	43.0-120	
Bis(2-chlorethoxy)methane	666	355	53.3	20.0-120	
Bis(2-chloroethyl)ether	666	350	52.6	16.0-120	
2,2-Oxybis(1-Chloropropane)	666	375	56.3	23.0-120	
4-Bromophenyl-phenylether	666	456	68.5	40.0-120	
2-Chloronaphthalene	666	405	60.8	35.0-120	
4-Chlorophenyl-phenylether	666	425	63.8	40.0-120	
1,2-Dichlorobenzene	666	403	60.5	32.0-120	
1,3-Dichlorobenzene	666	395	59.3	30.0-120	
1,4-Dichlorobenzene	666	423	63.5	31.0-120	
3,3-Dichlorobenzidine	1330	921	69.2	28.0-120	
2,4-Dinitrotoluene	666	455	68.3	45.0-120	
2,6-Dinitrotoluene	666	465	69.8	42.0-120	
Hexachlorobenzene	666	390	58.6	39.0-120	
Hexachloro-1,3-butadiene	666	334	50.2	15.0-120	
Hexachlorocyclopentadiene	666	260	39.0	15.0-120	
Hexachloroethane	666	394	59.2	17.0-120	
Isophorone	666	388	58.3	23.0-120	
Nitrobenzene	666	360	54.1	17.0-120	
n-Nitrosodimethylamine	666	468	70.3	10.0-125	
n-Nitrosodiphenylamine	666	469	70.4	40.0-120	
n-Nitrosodi-n-propylamine	666	437	65.6	26.0-120	

Laboratory Control Sample (LCS)

(LCS) R4222085-1 05/28/25 18:13

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	666	418	62.8	42.0-120	
Benzylbutyl phthalate	666	585	87.8	40.0-120	
Bis(2-ethylhexyl)phthalate	666	565	84.8	41.0-120	
Di-n-butyl phthalate	666	503	75.5	43.0-120	
Diethyl phthalate	666	490	73.6	43.0-120	
Dimethyl phthalate	666	477	71.6	43.0-120	
Di-n-octyl phthalate	666	571	85.7	40.0-120	
1,2,4-Trichlorobenzene	666	353	53.0	17.0-120	
4-Chloro-3-methylphenol	666	382	57.4	28.0-120	
2-Chlorophenol	666	404	60.7	28.0-120	
2,4-Dichlorophenol	666	401	60.2	25.0-120	
2,4-Dimethylphenol	666	373	56.0	15.0-120	
4,6-Dinitro-2-methylphenol	666	438	65.8	16.0-120	
2,4-Dinitrophenol	666	343	51.5	10.0-120	
2-Nitrophenol	666	405	60.8	20.0-120	
4-Nitrophenol	666	484	72.7	27.0-120	
Pentachlorophenol	666	329	49.4	29.0-120	
Phenol	666	424	63.7	28.0-120	
2,4,6-Trichlorophenol	666	425	63.8	37.0-120	
(S) 2-Fluorophenol			*80.9*	*12.0-120*	
(S) Phenol-d5			*73.4*	*10.0-120*	
(S) Nitrobenzene-d5			*61.0*	*10.0-122*	
(S) 2-Fluorobiphenyl			*65.5*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*62.8*	*10.0-127*	
(S) p-Terphenyl-d14			*71.5*	*10.0-120*	

L1863382-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1863382-01 05/29/25 09:43 • (MS) R4222321-1 05/29/25 10:04 • (MSD) R4222321-2 05/29/25 10:26

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthylene	812	ND	354	352	43.5	43.1	2	25.0-120			0.354	32
Benzidine	1620	ND	ND	ND	43.2	39.0	2	10.0-120			9.33	40
Benzo(g,h,i)perylene	812	ND	322	307	39.7	37.6	2	10.0-120			4.76	33
Bis(2-chlorethoxy)methane	812	ND	ND	ND	32.3	31.3	2	10.0-120			2.41	34
Bis(2-chloroethyl)ether	812	ND	ND	ND	26.3	25.4	2	10.0-120			2.97	40
2,2-Oxybis(1-Chloropropane)	812	ND	ND	ND	30.6	29.2	2	10.0-120			4.10	40
4-Bromophenyl-phenylether	812	ND	ND	ND	43.7	44.5	2	27.0-120			2.43	30
2-Chloronaphthalene	812	ND	296	299	36.5	36.5	2	20.0-120			0.840	32

L1863382-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1863382-01 05/29/25 09:43 • (MS) R4222321-1 05/29/25 10:04 • (MSD) R4222321-2 05/29/25 10:26

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MSD Result (dry) ug/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Chlorophenyl-phenylether	812	ND	ND	ND	39.4	39.4	2	24.0-120			0.778	29
1,2-Dichlorobenzene	812	ND	ND	ND	33.1	32.6	2	10.0-120			0.935	38
1,3-Dichlorobenzene	812	ND	ND	ND	32.2	31.5	2	10.0-120			1.45	40
1,4-Dichlorobenzene	812	ND	ND	ND	34.0	33.3	2	10.0-120			1.37	39
3,3-Dichlorobenzidine	1620	ND	837	ND	51.5	47.2	2	10.0-120			8.07	34
2,4-Dinitrotoluene	812	ND	ND	ND	47.1	45.1	2	30.0-120			3.66	31
2,6-Dinitrotoluene	812	ND	ND	ND	41.8	43.4	2	25.0-120			4.32	31
Hexachlorobenzene	812	ND	ND	ND	42.8	40.7	2	27.0-120			4.41	28
Hexachloro-1,3-butadiene	812	ND	ND	ND	34.5	31.3	2	10.0-120			8.86	38
Hexachlorocyclopentadiene	812	ND	ND	ND	0.000	1.41	2	10.0-120	J6	J3 J6	200	40
Hexachloroethane	812	ND	ND	ND	17.4	19.0	2	10.0-120			9.28	40
Isophorone	812	ND	ND	ND	34.3	32.4	2	13.0-120			5.06	34
Nitrobenzene	812	ND	ND	ND	33.2	31.0	2	10.0-120			6.21	36
n-Nitrosodimethylamine	812	ND	ND	ND	39.5	33.6	2	10.0-127			15.5	40
n-Nitrosodiphenylamine	812	ND	ND	ND	43.1	42.7	2	17.0-120			0.358	29
n-Nitrosodi-n-propylamine	812	ND	ND	ND	34.5	32.6	2	10.0-120			5.03	37
Phenanthrene	812	ND	336	325	41.4	39.8	2	17.0-120			3.40	31
Benzylbutyl phthalate	812	ND	ND	ND	55.8	50.9	2	23.0-120			8.62	30
Bis(2-ethylhexyl)phthalate	812	ND	ND	ND	56.9	51.8	2	17.0-126			8.74	30
Di-n-butyl phthalate	812	ND	ND	ND	53.2	50.0	2	30.0-120			5.65	29
Diethyl phthalate	812	ND	ND	ND	47.8	47.2	2	26.0-120			0.645	28
Dimethyl phthalate	812	ND	ND	ND	44.9	44.3	2	25.0-120			0.687	29
Di-n-octyl phthalate	812	ND	ND	ND	58.3	53.2	2	21.0-123			8.53	29
1,2,4-Trichlorobenzene	812	ND	ND	ND	34.0	33.5	2	12.0-120			0.909	37
4-Chloro-3-methylphenol	812	ND	ND	ND	42.5	41.9	2	15.0-120			0.727	30
2-Chlorophenol	812	ND	ND	ND	35.1	33.8	2	15.0-120			3.12	37
2,4-Dichlorophenol	812	ND	ND	ND	41.1	41.0	2	20.0-120			0.374	31
2,4-Dimethylphenol	812	ND	ND	ND	36.9	36.9	2	10.0-120			0.416	33
4,6-Dinitro-2-methylphenol	812	ND	ND	ND	56.8	56.1	2	10.0-120			0.543	39
2,4-Dinitrophenol	812	ND	ND	ND	67.2	64.7	2	10.0-121			3.26	40
2-Nitrophenol	812	ND	ND	ND	41.7	40.2	2	12.0-120			3.00	39
4-Nitrophenol	812	ND	ND	ND	50.3	48.3	2	10.0-137			3.42	32
Pentachlorophenol	812	ND	ND	ND	38.9	35.9	2	10.0-160			7.38	31
Phenol	812	ND	ND	ND	34.5	35.6	2	12.0-120			3.94	38
2,4,6-Trichlorophenol	812	ND	ND	ND	41.1	42.4	2	19.0-120			3.68	32
(S) 2-Fluorophenol					*43.0*	*41.2*		*12.0-120*				
(S) Phenol-d5					*38.4*	*39.1*		*10.0-120*				
(S) Nitrobenzene-d5					*34.5*	*33.6*		*10.0-122*				
(S) 2-Fluorobiphenyl					*37.8*	*37.0*		*15.0-120*				

L1863382-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1863382-01 05/29/25 09:43 • (MS) R4222321-1 05/29/25 10:04 • (MSD) R4222321-2 05/29/25 10:26

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/kg	ug/kg	ug/kg	ug/kg	%	%		%			%	%
(S) 2,4,6-Tribromophenol					*52.9*	*48.5*		*10.0-127*				
(S) p-Terphenyl-d14					*46.8*	*43.1*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure.

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
C7	The initial calibration verification standard (SSCV) associated with this data responded high.
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.
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	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

Pace® Location Requested (City/State):
Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

E189

Scan QR Code for instructions

LR63782

Company Name: CTEH, LLC	Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman
Street Address: 5120 North Shore Drive, North Little Rock, AR 72118	Phone #:
	E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcmullin@cteh.com; ahenault@cteh.com
	Cc E-Mail: ecatlin@cteh.com; mklinkerman@cteh.com
Customer Project #: PROJ-054017	Invoice to: CTEH
Project Name: Bishop LOC	Invoice E-mail: ctehap@montrose-env.com
Site Collection Info/Facility ID (as applicable): Galeton, CO	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [X] MT [ ] CT [ ] ET	County / State origin of sample(s): CO
Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
	Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other ASAP
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

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

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

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

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	SVOCs 8270E; Metals 6010D	Total N/TKN/N+N/NH3 EPA 350.1, 351.2, 9056A, SM 4500 Norg	TOC Walkley Black	VOCs 8260D	MS/MSD	Sample Comment
GAC00527T173-1S001	SS	G	-	-	5/27/2025	1430	3	-	-	X	X	X	X	-	-	-el

Sample Receipt Checklist

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

3.5+0.4=3.9

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.

**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

Additional Instructions from Pace® :
VOCs - full list minus BTEX, 1,2,4-TMB, 1,3,5-TMB; SVOCs - full list minus PAHs, 1-methylnaphthalene, 2-methylnaphthalene; Metals - TAL minus RCRA, Cu, Ni, Zn

Collected By: Printed Name M. Beck; 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:
M. Beck CTEH	5-27-25 1800	Pace	5-27-25 1800
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
		Eric Rankin IJ/ Pace	5-28-25 1120
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

GAC00527T173-1S