ANALYTICAL REPORT

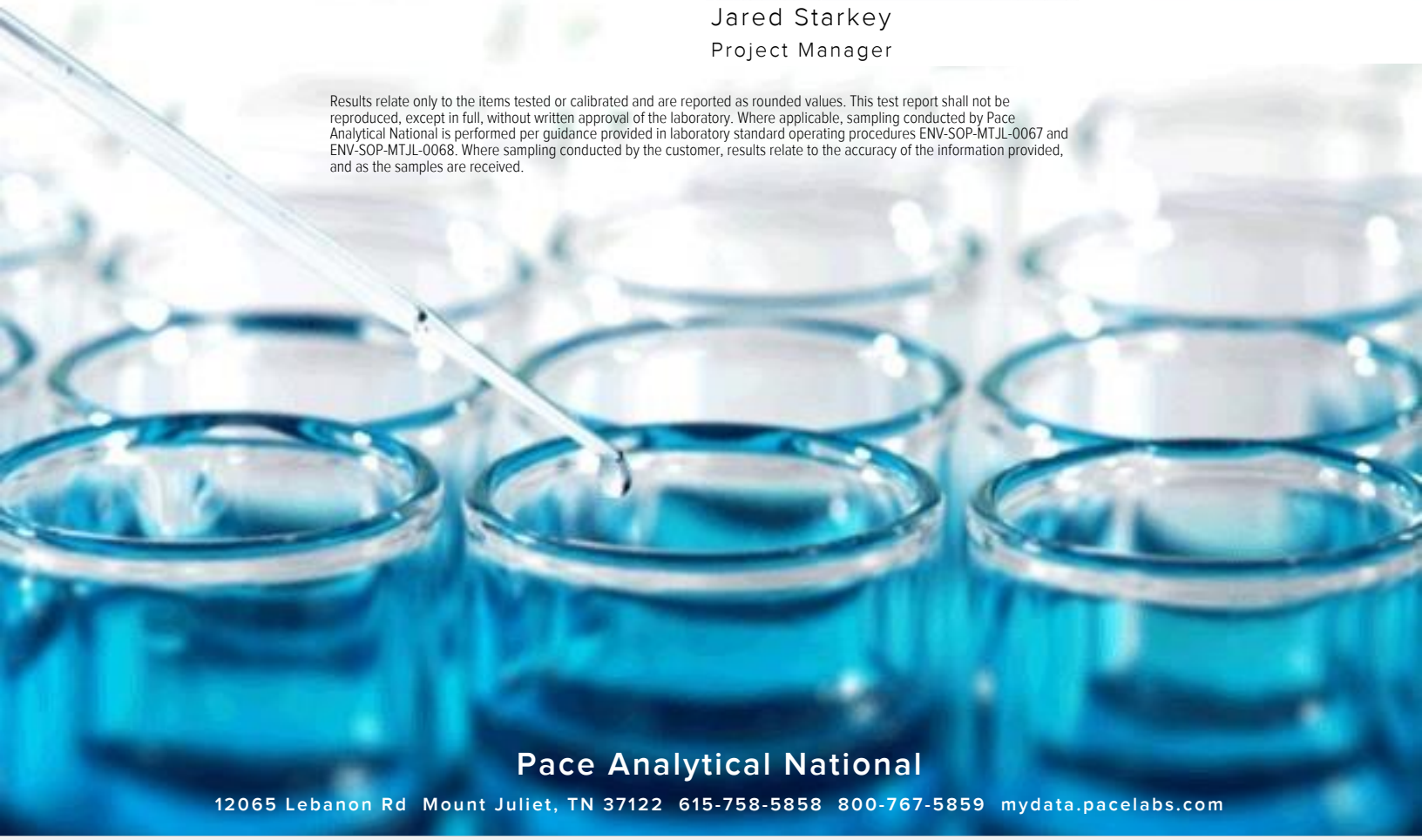
May 18, 2025

CTEH - ER

Sample Delivery Group:	L1858894
Samples Received:	05/15/2025
Project Number:	PROJ-054017
Description:	Bishop Loss of Containment Incident
Report To:	CTEH 5120 North Shore Drive North Little Rock, AR 72118

Entire Report Reviewed By:

Jared Starkey
Project Manager



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

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SAMPLE SUMMARY

GACO0514T167-1S001 L1858894-01

Collected by: Kaitlin Wykoff
Collected date/time: 05/14/25 10:51
Received date/time: 05/15/25 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2515766	1	05/15/25 12:25	05/18/25 17:39	JDW	Mt. Juliet, TN
Total Solids by Method 2540 G-2011	WG2515572	1	05/15/25 09:44	05/15/25 09:58	MT	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2515896	1	05/15/25 18:30	05/15/25 22:20	RTW	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg D-2021	WG2517189	5	05/17/25 09:19	05/18/25 17:39	JDW	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2515766	1	05/15/25 12:25	05/15/25 16:04	MDM	Mt. Juliet, TN
Wet Chemistry by Method WALKLEY-BLACK	WG2515983	5	05/15/25 10:00	05/16/25 14:37	PAN	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2515779	1	05/15/25 12:10	05/15/25 14:39	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2515642	1	05/14/25 10:51	05/15/25 11:00	NCD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2515730	10	05/15/25 12:30	05/15/25 22:09	MBE	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

Wet Chemistry by Method 4500NOrg D-2021

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

Batch	Lab Sample ID	Analytes
WG2517189	(MS) R4216498-12	Kjeldahl Nitrogen, TKN
WG2517189	(MS) R4216498-5	Kjeldahl Nitrogen, TKN
WG2517189	(MSD) R4216498-7	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2517189	(MSD) R4216498-7	Kjeldahl Nitrogen, TKN

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

Batch	Lab Sample ID	Analytes
WG2517189	(MS) R4216498-12	Kjeldahl Nitrogen, TKN

Wet Chemistry by Method WALKLEY-BLACK

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

Batch	Lab Sample ID	Analytes
WG2515983	(MS) R4215902-6, (MS) R4215902-4, (MSD) R4215902-5, (MSD) R4215902-7	TOC By Walkley Black

Metals (ICP) by Method 6010D

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2515779	Sodium	L1858894-01

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

Batch	Lab Sample ID	Analytes
WG2515779	(MSD) R4215437-6	Calcium

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

Batch	Lab Sample ID	Analytes
WG2515779	(MS) R4215437-5, (MSD) R4215437-6	Iron and Manganese

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
WG2515642	L1858894-01	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Bromoform and Hexachloro-1,3-butadiene

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

Batch	Lab Sample ID	Analytes
WG2515642	(LCS) R4215542-1, (LCSD) R4215542-2, L1858894-01	1,2,3-Trichlorobenzene

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
WG2515730	L1858894-01	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
WG2515730	L1858894-01	Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2515730	(MS) R4215580-3, (MSD) R4215580-4	2,4-Dinitrophenol and Hexachlorocyclopentadiene

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

Batch	Lab Sample ID	Analytes
WG2515730	(MS) R4215580-3, (MSD) R4215580-4	Di-n-octyl phthalate

Calculated Results

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Total Nitrogen	1290000		28500	1	05/18/2025 17:39	WG2515766

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	70.1		1	05/15/2025 09:58	WG2515572

Wet Chemistry by Method 350.1

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		14300	1	05/15/2025 22:20	WG2515896

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	1250000		143000	5	05/18/2025 17:39	WG2517189

Wet Chemistry by Method 9056A

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	40900		28500	1	05/15/2025 16:04	WG2515766

Wet Chemistry by Method WALKLEY-BLACK

Analyte	Result ug/kg	Qualifier	RDL ug/kg	Dilution	Analysis date / time	Batch
TOC By Walkley Black	19300000		500000	5	05/16/2025 14:37	WG2515983

Metals (ICP) by Method 6010D

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Aluminum	4720000		28500	1	05/15/2025 14:39	WG2515779
Antimony	ND		2850	1	05/15/2025 14:39	WG2515779
Beryllium	672		285	1	05/15/2025 14:39	WG2515779
Calcium	22100000		143000	1	05/15/2025 14:39	WG2515779
Cobalt	5620		1430	1	05/15/2025 14:39	WG2515779
Iron	7830000		14300	1	05/15/2025 14:39	WG2515779
Magnesium	4180000		143000	1	05/15/2025 14:39	WG2515779
Manganese	395000		1430	1	05/15/2025 14:39	WG2515779
Potassium	3150000		143000	1	05/15/2025 14:39	WG2515779
Sodium	420000	B	143000	1	05/15/2025 14:39	WG2515779
Thallium	ND		2850	1	05/15/2025 14:39	WG2515779
Vanadium	14600		2850	1	05/15/2025 14:39	WG2515779

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
Acetone	118		92.7	1	05/15/2025 11:00	WG2515642
Acrylonitrile	ND		23.2	1	05/15/2025 11:00	WG2515642
Bromobenzene	ND		23.2	1	05/15/2025 11:00	WG2515642
Bromodichloromethane	ND		4.63	1	05/15/2025 11:00	WG2515642
Bromoform	ND	C3	46.3	1	05/15/2025 11:00	WG2515642
Bromomethane	ND		23.2	1	05/15/2025 11:00	WG2515642

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

Analyte	Result (dry) ug/kg	Qualifier	RDL (dry) ug/kg	Dilution	Analysis date / time	Batch
n-Butylbenzene	ND		23.2	1	05/15/2025 11:00	WG2515642
sec-Butylbenzene	ND		23.2	1	05/15/2025 11:00	WG2515642
tert-Butylbenzene	ND		9.27	1	05/15/2025 11:00	WG2515642
Carbon tetrachloride	ND		9.27	1	05/15/2025 11:00	WG2515642
Chlorobenzene	ND		4.63	1	05/15/2025 11:00	WG2515642
Chlorodibromomethane	ND		4.63	1	05/15/2025 11:00	WG2515642
Chloroethane	ND		9.27	1	05/15/2025 11:00	WG2515642
Chloroform	ND		4.63	1	05/15/2025 11:00	WG2515642
Chloromethane	ND		23.2	1	05/15/2025 11:00	WG2515642
2-Chlorotoluene	ND		4.63	1	05/15/2025 11:00	WG2515642
4-Chlorotoluene	ND		9.27	1	05/15/2025 11:00	WG2515642
1,2-Dibromo-3-Chloropropane	ND	C3	46.3	1	05/15/2025 11:00	WG2515642
1,2-Dibromoethane	ND		4.63	1	05/15/2025 11:00	WG2515642
Dibromomethane	ND		9.27	1	05/15/2025 11:00	WG2515642
1,2-Dichlorobenzene	ND		9.27	1	05/15/2025 11:00	WG2515642
1,3-Dichlorobenzene	ND		9.27	1	05/15/2025 11:00	WG2515642
1,4-Dichlorobenzene	ND		9.27	1	05/15/2025 11:00	WG2515642
Dichlorodifluoromethane	ND		9.27	1	05/15/2025 11:00	WG2515642
1,1-Dichloroethane	ND		4.63	1	05/15/2025 11:00	WG2515642
1,2-Dichloroethane	ND		4.63	1	05/15/2025 11:00	WG2515642
1,1-Dichloroethene	ND		4.63	1	05/15/2025 11:00	WG2515642
cis-1,2-Dichloroethene	ND		4.63	1	05/15/2025 11:00	WG2515642
trans-1,2-Dichloroethene	ND		9.27	1	05/15/2025 11:00	WG2515642
1,2-Dichloropropane	ND		9.27	1	05/15/2025 11:00	WG2515642
1,1-Dichloropropene	ND		4.63	1	05/15/2025 11:00	WG2515642
1,3-Dichloropropane	ND		9.27	1	05/15/2025 11:00	WG2515642
cis-1,3-Dichloropropene	ND		4.63	1	05/15/2025 11:00	WG2515642
trans-1,3-Dichloropropene	ND		9.27	1	05/15/2025 11:00	WG2515642
2,2-Dichloropropane	ND		4.63	1	05/15/2025 11:00	WG2515642
Di-isopropyl ether	ND		1.85	1	05/15/2025 11:00	WG2515642
Hexachloro-1,3-butadiene	ND	C3	46.3	1	05/15/2025 11:00	WG2515642
Isopropylbenzene	ND		4.63	1	05/15/2025 11:00	WG2515642
p-Isopropyltoluene	ND		9.27	1	05/15/2025 11:00	WG2515642
2-Butanone (MEK)	ND		185	1	05/15/2025 11:00	WG2515642
Methylene Chloride	ND		46.3	1	05/15/2025 11:00	WG2515642
4-Methyl-2-pentanone (MIBK)	ND		46.3	1	05/15/2025 11:00	WG2515642
Methyl tert-butyl ether	ND		1.85	1	05/15/2025 11:00	WG2515642
n-Propylbenzene	ND		9.27	1	05/15/2025 11:00	WG2515642
Styrene	ND		23.2	1	05/15/2025 11:00	WG2515642
1,1,1,2-Tetrachloroethane	ND		4.63	1	05/15/2025 11:00	WG2515642
1,1,2,2-Tetrachloroethane	ND		4.63	1	05/15/2025 11:00	WG2515642
1,1,2-Trichlorotrifluoroethane	ND		4.63	1	05/15/2025 11:00	WG2515642
Tetrachloroethene	ND		4.63	1	05/15/2025 11:00	WG2515642
1,2,3-Trichlorobenzene	ND	C3 J4	23.2	1	05/15/2025 11:00	WG2515642
1,2,4-Trichlorobenzene	ND	C3	23.2	1	05/15/2025 11:00	WG2515642
1,1,1-Trichloroethane	ND		4.63	1	05/15/2025 11:00	WG2515642
1,1,2-Trichloroethane	ND		4.63	1	05/15/2025 11:00	WG2515642
Trichloroethene	ND		1.85	1	05/15/2025 11:00	WG2515642
Trichlorofluoromethane	ND		4.63	1	05/15/2025 11:00	WG2515642
1,2,3-Trichloropropane	ND		23.2	1	05/15/2025 11:00	WG2515642
1,2,3-Trimethylbenzene	ND		9.27	1	05/15/2025 11:00	WG2515642
Vinyl chloride	ND		4.63	1	05/15/2025 11:00	WG2515642
(S) Toluene-d8	*97.8*		*75.0-131*		*05/15/2025 11:00*	WG2515642
(S) 4-Bromofluorobenzene	*80.3*		*67.0-138*		*05/15/2025 11:00*	WG2515642
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*05/15/2025 11:00*	WG2515642

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		475	10	05/15/2025 22:09	WG2515730
Benzidine	ND	C7	23800	10	05/15/2025 22:09	WG2515730
Benzo(g,h,i)perylene	ND		475	10	05/15/2025 22:09	WG2515730
Bis(2-chlorethoxy)methane	ND		4750	10	05/15/2025 22:09	WG2515730
Bis(2-chloroethyl)ether	ND		4750	10	05/15/2025 22:09	WG2515730
2,2-Oxybis(1-Chloropropane)	ND		4750	10	05/15/2025 22:09	WG2515730
4-Bromophenyl-phenylether	ND		4750	10	05/15/2025 22:09	WG2515730
2-Chloronaphthalene	ND		475	10	05/15/2025 22:09	WG2515730
4-Chlorophenyl-phenylether	ND		4750	10	05/15/2025 22:09	WG2515730
1,2-Dichlorobenzene	ND		4750	10	05/15/2025 22:09	WG2515730
1,3-Dichlorobenzene	ND		4750	10	05/15/2025 22:09	WG2515730
1,4-Dichlorobenzene	ND		4750	10	05/15/2025 22:09	WG2515730
3,3-Dichlorobenzidine	ND		4750	10	05/15/2025 22:09	WG2515730
2,4-Dinitrotoluene	ND		4750	10	05/15/2025 22:09	WG2515730
2,6-Dinitrotoluene	ND		4750	10	05/15/2025 22:09	WG2515730
Hexachlorobenzene	ND		4750	10	05/15/2025 22:09	WG2515730
Hexachloro-1,3-butadiene	ND		4750	10	05/15/2025 22:09	WG2515730
Hexachlorocyclopentadiene	ND	C3 C7	4750	10	05/15/2025 22:09	WG2515730
Hexachloroethane	ND		4750	10	05/15/2025 22:09	WG2515730
Isophorone	ND		4750	10	05/15/2025 22:09	WG2515730
Nitrobenzene	ND		4750	10	05/15/2025 22:09	WG2515730
n-Nitrosodimethylamine	ND		4750	10	05/15/2025 22:09	WG2515730
n-Nitrosodiphenylamine	ND		4750	10	05/15/2025 22:09	WG2515730
n-Nitrosodi-n-propylamine	ND		4750	10	05/15/2025 22:09	WG2515730
Phenanthrene	ND		475	10	05/15/2025 22:09	WG2515730
Benzylbutyl phthalate	ND		4750	10	05/15/2025 22:09	WG2515730
Bis(2-ethylhexyl)phthalate	ND		4750	10	05/15/2025 22:09	WG2515730
Di-n-butyl phthalate	ND		4750	10	05/15/2025 22:09	WG2515730
Diethyl phthalate	ND		4750	10	05/15/2025 22:09	WG2515730
Dimethyl phthalate	ND		4750	10	05/15/2025 22:09	WG2515730
Di-n-octyl phthalate	ND		4750	10	05/15/2025 22:09	WG2515730
1,2,4-Trichlorobenzene	ND		4750	10	05/15/2025 22:09	WG2515730
4-Chloro-3-methylphenol	ND		4750	10	05/15/2025 22:09	WG2515730
2-Chlorophenol	ND		4750	10	05/15/2025 22:09	WG2515730
2,4-Dichlorophenol	ND		4750	10	05/15/2025 22:09	WG2515730
2,4-Dimethylphenol	ND		4750	10	05/15/2025 22:09	WG2515730
4,6-Dinitro-2-methylphenol	ND		4750	10	05/15/2025 22:09	WG2515730
2,4-Dinitrophenol	ND		4750	10	05/15/2025 22:09	WG2515730
2-Nitrophenol	ND		4750	10	05/15/2025 22:09	WG2515730
4-Nitrophenol	ND		4750	10	05/15/2025 22:09	WG2515730
Pentachlorophenol	ND		4750	10	05/15/2025 22:09	WG2515730
Phenol	ND		4750	10	05/15/2025 22:09	WG2515730
2,4,6-Trichlorophenol	ND		4750	10	05/15/2025 22:09	WG2515730
(S) 2-Fluorophenol	*83.5*		*12.0-120*		*05/15/2025 22:09*	WG2515730
(S) Phenol-d5	*79.0*		*10.0-120*		*05/15/2025 22:09*	WG2515730
(S) Nitrobenzene-d5	*79.8*		*10.0-122*		*05/15/2025 22:09*	WG2515730
(S) 2-Fluorobiphenyl	*73.4*		*15.0-120*		*05/15/2025 22:09*	WG2515730
(S) 2,4,6-Tribromophenol	*97.1*		*10.0-127*		*05/15/2025 22:09*	WG2515730
(S) p-Terphenyl-d14	*73.7*		*10.0-120*		*05/15/2025 22:09*	WG2515730

Sample Narrative:

L1858894-01 WG2515730: Dilution due to matrix impact during extract concentration procedure

QUALITY CONTROL SUMMARY

L1858894-01

Method Blank (MB)

(MB) R4215397-1 05/15/25 09:58

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

L1858897-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1858897-06 05/15/25 09:58 • (DUP) R4215397-3 05/15/25 09:58

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.3	94.5	1	0.205		10

Laboratory Control Sample (LCS)

(LCS) R4215397-2 05/15/25 09:58

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

QUALITY CONTROL SUMMARY

L1858894-01

Method Blank (MB)

(MB) R4215572-1 05/15/25 22:17

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

L1858900-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1858900-02 05/15/25 22:38 • (DUP) R4215572-5 05/15/25 22:39

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

L1858917-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1858917-01 05/15/25 22:47 • (DUP) R4215572-6 05/15/25 22:48

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

Laboratory Control Sample (LCS)

(LCS) R4215572-2 05/15/25 22:18

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	250000	237000	94.6	90.0-110	

L1858897-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858897-06 05/15/25 22:27 • (MS) R4215572-3 05/15/25 22:29 • (MSD) R4215572-4 05/15/25 22:30

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 %
Ammonia Nitrogen	265000	ND	255000	271000	96.0	102	1	90.0-110			6.32	20

QUALITY CONTROL SUMMARY

L1858894-01

Method Blank (MB)

(MB) R4216498-1 05/18/25 17:32

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

L1858912-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1858912-23 05/18/25 17:40 • (DUP) R4216498-9 05/18/25 17:41

Analyte	Original Result (dry) ug/kg	DUP Result (dry) ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	2180000	2150000	5	1.71		20

Laboratory Control Sample (LCS)

(LCS) R4216498-3 05/18/25 17:33

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	432000	444000	103	81.7-124	

L1858440-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858440-08 05/18/25 17:34 • (MS) R4216498-5 05/18/25 17:36 • (MSD) R4216498-7 05/18/25 17:36

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 %
Kjeldahl Nitrogen, TKN	481000	1600000	2110000	1950000	106	73.4	1	81.7-124	E	E J6	7.73	20

L1858912-29 Original Sample (OS) • Matrix Spike (MS)

(OS) L1858912-29 05/18/25 17:51 • (MS) R4216498-12 05/18/25 17:53

Analyte	Spike Amount (dry) ug/kg	Original Result (dry) ug/kg	MS Result (dry) ug/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Kjeldahl Nitrogen, TKN	428000	2300000	1680000	0.000	1	81.7-124	E V

Method Blank (MB)

(MB) R4215606-1 05/15/25 15:12

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) R4215606-2 05/15/25 15:50

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	40000	40600	101	80.0-120	

L1858897-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858897-06 05/15/25 17:11 • (MS) R4215606-3 05/15/25 17:24 • (MSD) R4215606-4 05/15/25 17:38

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	42400	ND	44700	45600	105	108	1	80.0-120			1.99	15

Method Blank (MB)

(MB) R4215902-1 05/16/25 14:36

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

L1858897-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1858897-02 05/16/25 14:38 • (DUP) R4215902-3 05/16/25 14:38

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	24200000	24700000	5	1.87		20

L1858927-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1858927-01 05/16/25 14:45 • (DUP) R4215902-8 05/16/25 14:47

Analyte	Original Result ug/kg	DUP Result ug/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC By Walkley Black	21200000	19600000	5	7.59		20

Laboratory Control Sample (LCS)

(LCS) R4215902-2 05/16/25 14:37

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC By Walkley Black	3230000	4150000	129	75.0-144	

L1858897-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858897-06 05/16/25 14:40 • (MS) R4215902-4 05/16/25 14:41 • (MSD) R4215902-5 05/16/25 14:42

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	20000000	15800000	43500000	44600000	139	144	5	80.0-120	J5	J5	2.52	20

L1858923-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858923-01 05/16/25 14:44 • (MS) R4215902-6 05/16/25 14:44 • (MSD) R4215902-7 05/16/25 14:45

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	20000000	15600000	40300000	40300000	124	123	5	80.0-120	J5	J5	0.0881	20

Method Blank (MB)

(MB) R4215437-1 05/15/25 14:27

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
Cobalt	U		177	1000
Iron	U		2240	10000
Magnesium	U		19900	100000
Manganese	U		173	1000
Potassium	U		20900	100000
Sodium	58900	J	41200	100000
Thallium	U		518	2000
Vanadium	U		383	2000

Laboratory Control Sample (LCS)

(LCS) R4215437-2 05/15/25 14:29

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000000	1050000	105	80.0-120	
Antimony	100000	103000	103	80.0-120	
Beryllium	100000	106000	106	80.0-120	
Calcium	1000000	1020000	102	80.0-120	
Cobalt	100000	99600	99.6	80.0-120	
Iron	1000000	994000	99.4	80.0-120	
Magnesium	1000000	1040000	104	80.0-120	
Manganese	100000	103000	103	80.0-120	
Potassium	1000000	1090000	109	80.0-120	
Sodium	1000000	1090000	109	80.0-120	
Thallium	100000	104000	104	80.0-120	
Vanadium	100000	97600	97.6	80.0-120	

L1858912-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858912-02 05/15/25 14:31 • (MS) R4215437-5 05/15/25 14:36 • (MSD) R4215437-6 05/15/25 14:37

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 %
Aluminum	1100000	2030000	3050000	3050000	92.3	92.2	1	75.0-125			0.0700	20
Antimony	110000	ND	100000	97500	90.9	88.6	1	75.0-125			2.53	20

L1858912-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858912-02 05/15/25 14:31 • (MS) R4215437-5 05/15/25 14:36 • (MSD) R4215437-6 05/15/25 14:37

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 %
Beryllium	110000	245	118000	115000	107	104	1	75.0-125			2.75	20
Calcium	1100000	4300000	5430000	5960000	102	151	1	75.0-125		J5	9.33	20
Cobalt	110000	2190	117000	115000	104	102	1	75.0-125			1.56	20
Iron	1100000	3020000	3290000	3250000	24.2	20.8	1	75.0-125	J6	J6	1.11	20
Magnesium	1100000	1450000	2530000	2590000	97.5	103	1	75.0-125			2.24	20
Manganese	110000	182000	238000	260000	50.6	70.7	1	75.0-125	J6	J6	8.88	20
Potassium	1100000	2190000	3140000	3200000	86.1	91.1	1	75.0-125			1.73	20
Sodium	1100000	110000	1240000	1210000	103	100	1	75.0-125			2.34	20
Thallium	110000	ND	116000	113000	105	103	1	75.0-125			2.12	20
Vanadium	110000	6420	115000	112000	98.4	95.9	1	75.0-125			2.43	20

Method Blank (MB)

(MB) R4215542-3 05/15/25 09:46

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) R4215542-3 05/15/25 09:46

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	*98.9*			*75.0-131*
(S) 4-Bromofluorobenzene	*95.1*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

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

(LCS) R4215542-1 05/15/25 07:28 • (LCSD) R4215542-2 05/15/25 07:47

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	742	711	119	114	10.0-160			4.27	31
Acrylonitrile	625	640	651	102	104	45.0-153			1.70	22
Bromobenzene	125	117	114	93.6	91.2	73.0-121			2.60	20
Bromodichloromethane	125	113	115	90.4	92.0	73.0-121			1.75	20
Bromoform	125	92.8	92.8	74.2	74.2	64.0-132			0.000	20
Bromomethane	125	127	130	102	104	56.0-147			2.33	20
n-Butylbenzene	125	108	102	86.4	81.6	68.0-135			5.71	20
sec-Butylbenzene	125	111	105	88.8	84.0	74.0-130			5.56	20
tert-Butylbenzene	125	109	102	87.2	81.6	75.0-127			6.64	20
Carbon tetrachloride	125	114	111	91.2	88.8	66.0-128			2.67	20
Chlorobenzene	125	117	115	93.6	92.0	76.0-128			1.72	20
Chlorodibromomethane	125	104	104	83.2	83.2	74.0-127			0.000	20

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

(LCS) R4215542-1 05/15/25 07:28 • (LCSD) R4215542-2 05/15/25 07:47

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	149	144	119	115	61.0-134			3.41	20
Chloroform	125	118	118	94.4	94.4	72.0-123			0.000	20
Chloromethane	125	147	139	118	111	51.0-138			5.59	20
2-Chlorotoluene	125	120	115	96.0	92.0	75.0-124			4.26	20
4-Chlorotoluene	125	116	112	92.8	89.6	75.0-124			3.51	20
1,2-Dibromo-3-Chloropropane	125	78.3	81.7	62.6	65.4	59.0-130			4.25	20
1,2-Dibromoethane	125	104	104	83.2	83.2	74.0-128			0.000	20
Dibromomethane	125	113	121	90.4	96.8	75.0-122			6.84	20
1,2-Dichlorobenzene	125	111	107	88.8	85.6	76.0-124			3.67	20
1,3-Dichlorobenzene	125	115	111	92.0	88.8	76.0-125			3.54	20
1,4-Dichlorobenzene	125	117	112	93.6	89.6	77.0-121			4.37	20
Dichlorodifluoromethane	125	183	174	146	139	43.0-156			5.04	20
1,1-Dichloroethane	125	125	121	100	96.8	70.0-127			3.25	20
1,2-Dichloroethane	125	120	119	96.0	95.2	65.0-131			0.837	20
1,1-Dichloroethene	125	121	117	96.8	93.6	65.0-131			3.36	20
cis-1,2-Dichloroethene	125	117	114	93.6	91.2	73.0-125			2.60	20
trans-1,2-Dichloroethene	125	119	115	95.2	92.0	71.0-125			3.42	20
1,2-Dichloropropane	125	117	121	93.6	96.8	74.0-125			3.36	20
1,1-Dichloropropene	125	118	115	94.4	92.0	73.0-125			2.58	20
1,3-Dichloropropane	125	112	112	89.6	89.6	80.0-125			0.000	20
cis-1,3-Dichloropropene	125	110	108	88.0	86.4	76.0-127			1.83	20
trans-1,3-Dichloropropene	125	111	105	88.8	84.0	73.0-127			5.56	20
2,2-Dichloropropane	125	115	114	92.0	91.2	59.0-135			0.873	20
Di-isopropyl ether	125	130	130	104	104	60.0-136			0.000	20
Hexachloro-1,3-butadiene	125	71.6	74.8	57.3	59.8	57.0-150			4.37	20
Isopropylbenzene	125	107	106	85.6	84.8	72.0-127			0.939	20
p-Isopropyltoluene	125	105	100	84.0	80.0	72.0-133			4.88	20
2-Butanone (MEK)	625	694	672	111	108	30.0-160			3.22	24
Methylene Chloride	125	124	121	99.2	96.8	68.0-123			2.45	20
4-Methyl-2-pentanone (MIBK)	625	627	627	100	100	56.0-143			0.000	20
Methyl tert-butyl ether	125	113	111	90.4	88.8	66.0-132			1.79	20
n-Propylbenzene	125	120	114	96.0	91.2	74.0-126			5.13	20
Styrene	125	104	101	83.2	80.8	72.0-127			2.93	20
1,1,1,2-Tetrachloroethane	125	104	102	83.2	81.6	74.0-129			1.94	20
1,1,2,2-Tetrachloroethane	125	113	109	90.4	87.2	68.0-128			3.60	20
1,1,2-Trichlorotrifluoroethane	125	131	125	105	100	61.0-139			4.69	20
Tetrachloroethene	125	110	105	88.0	84.0	70.0-136			4.65	20
1,2,3-Trichlorobenzene	125	67.2	70.1	53.8	56.1	59.0-139	J4	J4	4.22	20
1,2,4-Trichlorobenzene	125	78.1	79.2	62.5	63.4	62.0-137			1.40	20
1,1,1-Trichloroethane	125	117	119	93.6	95.2	69.0-126			1.69	20

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

(LCS) R4215542-1 05/15/25 07:28 • (LCSD) R4215542-2 05/15/25 07:47

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	108	108	86.4	86.4	78.0-123			0.000	20
Trichloroethene	125	113	110	90.4	88.0	76.0-126			2.69	20
Trichlorofluoromethane	125	144	137	115	110	61.0-142			4.98	20
1,2,3-Trichloropropane	125	118	119	94.4	95.2	67.0-129			0.844	20
1,2,3-Trimethylbenzene	125	108	103	86.4	82.4	74.0-124			4.74	20
Vinyl chloride	125	152	144	122	115	63.0-134			5.41	20
(S) Toluene-d8				*98.6*	*99.2*	*75.0-131*				
(S) 4-Bromofluorobenzene				*91.4*	*92.8*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*108*	*106*	*70.0-130*				

Method Blank (MB)

(MB) R4215580-2 05/15/25 17:18

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) R4215580-2 05/15/25 17:18

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	*68.5*			*12.0-120*
(S) Phenol-d5	*60.8*			*10.0-120*
(S) Nitrobenzene-d5	*61.3*			*10.0-122*
(S) 2-Fluorobiphenyl	*58.0*			*15.0-120*
(S) 2,4,6-Tribromophenol	*94.3*			*10.0-127*
(S) p-Terphenyl-d14	*67.9*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4215580-1 05/15/25 16:57

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	666	463	69.5	40.0-120	
Benzidine	1330	822	61.8	10.0-120	
Benzo(g,h,i)perylene	666	444	66.7	43.0-120	
Bis(2-chlorethoxy)methane	666	331	49.7	20.0-120	
Bis(2-chloroethyl)ether	666	376	56.5	16.0-120	
2,2-Oxybis(1-Chloropropane)	666	424	63.7	23.0-120	
4-Bromophenyl-phenylether	666	489	73.4	40.0-120	
2-Chloronaphthalene	666	372	55.9	35.0-120	
4-Chlorophenyl-phenylether	666	465	69.8	40.0-120	
1,2-Dichlorobenzene	666	323	48.5	32.0-120	
1,3-Dichlorobenzene	666	308	46.2	30.0-120	
1,4-Dichlorobenzene	666	341	51.2	31.0-120	
3,3-Dichlorobenzidine	1330	1210	91.0	28.0-120	
2,4-Dinitrotoluene	666	544	81.7	45.0-120	
2,6-Dinitrotoluene	666	478	71.8	42.0-120	
Hexachlorobenzene	666	476	71.5	39.0-120	
Hexachloro-1,3-butadiene	666	263	39.5	15.0-120	
Hexachlorocyclopentadiene	666	194	29.1	15.0-120	
Hexachloroethane	666	335	50.3	17.0-120	
Isophorone	666	341	51.2	23.0-120	
Nitrobenzene	666	296	44.4	17.0-120	
n-Nitrosodimethylamine	666	507	76.1	10.0-125	
n-Nitrosodiphenylamine	666	470	70.6	40.0-120	
n-Nitrosodi-n-propylamine	666	388	58.3	26.0-120	

Laboratory Control Sample (LCS)

(LCS) R4215580-1 05/15/25 16:57

Analyte	Spike Amount ug/kg	LCS Result ug/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	666	428	64.3	42.0-120	
Benzylbutyl phthalate	666	586	88.0	40.0-120	
Bis(2-ethylhexyl)phthalate	666	602	90.4	41.0-120	
Di-n-butyl phthalate	666	566	85.0	43.0-120	
Diethyl phthalate	666	509	76.4	43.0-120	
Dimethyl phthalate	666	469	70.4	43.0-120	
Di-n-octyl phthalate	666	580	87.1	40.0-120	
1,2,4-Trichlorobenzene	666	304	45.6	17.0-120	
4-Chloro-3-methylphenol	666	369	55.4	28.0-120	
2-Chlorophenol	666	354	53.2	28.0-120	
2,4-Dichlorophenol	666	356	53.5	25.0-120	
2,4-Dimethylphenol	666	335	50.3	15.0-120	
4,6-Dinitro-2-methylphenol	666	617	92.6	16.0-120	
2,4-Dinitrophenol	666	517	77.6	10.0-120	
2-Nitrophenol	666	363	54.5	20.0-120	
4-Nitrophenol	666	560	84.1	27.0-120	
Pentachlorophenol	666	421	63.2	29.0-120	
Phenol	666	414	62.2	28.0-120	
2,4,6-Trichlorophenol	666	459	68.9	37.0-120	
(S) 2-Fluorophenol			*65.0*	*12.0-120*	
(S) Phenol-d5			*59.3*	*10.0-120*	
(S) Nitrobenzene-d5			*48.3*	*10.0-122*	
(S) 2-Fluorobiphenyl			*58.0*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*94.0*	*10.0-127*	
(S) p-Terphenyl-d14			*66.1*	*10.0-120*	

L1858897-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858897-06 05/15/25 21:06 • (MS) R4215580-3 05/15/25 21:27 • (MSD) R4215580-4 05/15/25 21:48

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	704	ND	491	473	69.7	67.4	10	25.0-120			3.74	32
Benzidine	1410	ND	ND	ND	53.2	52.4	10	10.0-120			2.14	40
Benzo(g,h,i)perylene	704	ND	398	444	56.5	63.3	10	10.0-120			11.1	33
Bis(2-chlorethoxy)methane	704	ND	ND	ND	62.0	61.0	10	10.0-120			1.96	34
Bis(2-chloroethyl)ether	704	ND	ND	ND	62.2	64.5	10	10.0-120			3.33	40
2,2-Oxybis(1-Chloropropane)	704	ND	ND	ND	79.4	80.4	10	10.0-120			0.944	40
4-Bromophenyl-phenylether	704	ND	ND	ND	75.2	69.0	10	27.0-120			8.79	30
2-Chloronaphthalene	704	ND	436	431	61.9	61.3	10	20.0-120			1.22	32

L1858897-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858897-06 05/15/25 21:06 • (MS) R4215580-3 05/15/25 21:27 • (MSD) R4215580-4 05/15/25 21:48

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	704	ND	ND	ND	62.7	62.7	10	24.0-120			0.241	29
1,2-Dichlorobenzene	704	ND	ND	ND	54.2	54.4	10	10.0-120			0.000	38
1,3-Dichlorobenzene	704	ND	ND	ND	54.8	51.1	10	10.0-120			7.41	40
1,4-Dichlorobenzene	704	ND	ND	ND	59.3	53.8	10	10.0-120			10.1	39
3,3-Dichlorobenzidine	1410	ND	ND	ND	64.7	66.4	10	10.0-120			1.73	34
2,4-Dinitrotoluene	704	ND	ND	ND	73.5	62.7	10	30.0-120			16.2	31
2,6-Dinitrotoluene	704	ND	ND	ND	64.0	73.1	10	25.0-120			13.0	31
Hexachlorobenzene	704	ND	ND	ND	70.8	65.6	10	27.0-120			7.96	28
Hexachloro-1,3-butadiene	704	ND	ND	ND	46.4	49.7	10	10.0-120			6.59	38
Hexachlorocyclopentadiene	704	ND	ND	ND	0.000	0.000	10	10.0-120	J6	J6	0.000	40
Hexachloroethane	704	ND	ND	ND	28.9	28.9	10	10.0-120			0.522	40
Isophorone	704	ND	ND	ND	64.9	65.7	10	13.0-120			0.924	34
Nitrobenzene	704	ND	ND	ND	60.5	61.0	10	10.0-120			0.496	36
n-Nitrosodimethylamine	704	ND	ND	ND	91.0	86.9	10	10.0-127			4.92	40
n-Nitrosodiphenylamine	704	ND	ND	ND	66.6	62.1	10	17.0-120			7.27	29
n-Nitrosodi-n-propylamine	704	ND	ND	ND	66.6	63.1	10	10.0-120			5.58	37
Phenanthrene	704	ND	436	435	61.9	61.9	10	17.0-120			0.244	31
Benzylbutyl phthalate	704	ND	ND	ND	87.0	90.0	10	23.0-120			3.07	30
Bis(2-ethylhexyl)phthalate	704	ND	ND	ND	94.6	94.6	10	17.0-126			0.319	30
Di-n-butyl phthalate	704	ND	ND	ND	79.4	75.7	10	30.0-120			5.06	29
Diethyl phthalate	704	ND	ND	ND	78.5	72.1	10	26.0-120			8.82	28
Dimethyl phthalate	704	ND	ND	ND	68.4	71.1	10	25.0-120			3.68	29
Di-n-octyl phthalate	704	ND	ND	ND	150	151	10	21.0-123	J5	J5	0.602	29
1,2,4-Trichlorobenzene	704	ND	ND	ND	56.8	51.4	10	12.0-120			10.3	37
4-Chloro-3-methylphenol	704	ND	ND	ND	67.5	67.2	10	15.0-120			0.672	30
2-Chlorophenol	704	ND	ND	ND	60.4	60.1	10	15.0-120			0.751	37
2,4-Dichlorophenol	704	ND	ND	ND	63.4	58.6	10	20.0-120			8.16	31
2,4-Dimethylphenol	704	ND	ND	ND	65.1	56.6	10	10.0-120			14.1	33
4,6-Dinitro-2-methylphenol	704	ND	ND	ND	107	107	10	10.0-120			0.422	39
2,4-Dinitrophenol	664	ND	ND	ND	0.000	0.000	10	10.0-121	J6	J6	0.000	40
2-Nitrophenol	704	ND	ND	ND	67.5	70.2	10	12.0-120			3.72	39
4-Nitrophenol	704	ND	ND	ND	67.3	73.6	10	10.0-137			8.57	32
Pentachlorophenol	704	ND	ND	ND	145	144	10	10.0-160			1.04	31
Phenol	704	ND	ND	ND	72.7	70.5	10	12.0-120			3.37	38
2,4,6-Trichlorophenol	704	ND	ND	ND	63.4	66.0	10	19.0-120			3.73	32
(S) 2-Fluorophenol					*67.9*	*70.1*		*12.0-120*				
(S) Phenol-d5					*59.5*	*64.0*		*10.0-120*				
(S) Nitrobenzene-d5					*67.5*	*63.7*		*10.0-122*				
(S) 2-Fluorobiphenyl					*58.1*	*60.1*		*15.0-120*				

L1858897-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1858897-06 05/15/25 21:06 • (MS) R4215580-3 05/15/25 21:27 • (MSD) R4215580-4 05/15/25 21:48

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					*80.1*	*81.1*		*10.0-127*				
(S) p-Terphenyl-d14					*67.2*	*65.9*		*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
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C7	The initial calibration verification standard (SSCV) associated with this data responded high.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
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.

GLOSSARY OF TERMS

Qualifier	Description
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.

C100

Pace® Location Requested (City/State):

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

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

U858894

Company Name: CTEH, LLC

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

Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman

Phone #:

E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcmullin@cteh.com; ahenault@cteh.com

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

Customer Project #: PROJ-054017

Invoice to: CTEH

Project Name: Bishop LOC

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

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

Purchase Order # (if applicable):

Quote #:

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

County / State origin of sample(s): CO

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

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

Reportable [ ] Yes [ ] No

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

**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

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 351.2/9056A	TOC Walkley Black	VOCs 8260D
GAC0514T167-1S001	SS	G	-	-	5/14/2025	1051	3	-	-	X	X	X	X	-

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

Sample Comment: -9

Preservation non-conformance identified for sample.

TKN 1.3+0.4=1.7

Sample Receipt Checklist

COC Seal Present/Intact: X Y N NP — If Applicable

COC Signed/Accurate: X Y N — VOA Zero Headspace: Y N

Bottles arrive intact: X Y N — Pres. Correct/Check: Y N

Correct bottles used: X Y N

Sufficient volume sent: X Y N — Condition: NCF OK

RA Screen <0.5 mR/hr: X Y N

Containers: 3

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: Alec Scott; 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:
CTEH	5/14/25 1800	Pace	5/14/25 1800
		Wally Batts	05/15/2025 0830

Tracking Number:

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

Page: 1 of 1

GAC0514T167-1S