Haley Griffith (adpce.ad)

From: Stacy Kennedy <Stacy.Kennedy@pacelabs.com>
Sent: Saturday, November 25, 2023 4:31 PM
To: gwreports
Cc: Stacy Kennedy
Subject: Lab Report Submittal for WM Eco-Vista (1 of 2)
Attachments: L1604063.pdf; L1614728.pdf; L1602378.pdf; L1603505.pdf

Good afternoon,
(1 of 2)

Please accept the following lab reports for Eco-Vista Landfill: Monthly GW/LCS/LDS & 2Q23

L1602378
L1603505
L1604063
L1614728
L1616254
L1624244
L1624992

Thank you,

Stacy Kennedy
Project Manager I
12065 Lebanon Road | Mt. Juliet, TN 37122
(office)615.773.7453
Stacy.Kennedy@pacelabs.com | www.pacenational.com

MAKE YOUR PAYMENTS ONLINE

Pace Analytical National Center for Testing & Innovation will not be accepting these sample types per the following dates:
BOD Samples on Saturday 11/18, Wednesday, 12/20, Wednesday, 12/27 as the 5-day BOD take off run falls on a holiday.
Microbiological Samples on Wednesday 11/22,

 Please consider the environment before printing this email

Haley Griffith (adpce.ad)

From: Stacy Kennedy <Stacy.Kennedy@pacelabs.com>
Sent: Saturday, November 25, 2023 4:32 PM
To: gwreports
Cc: Stacy Kennedy
Subject: Lab Report Submittal for WM Eco-Vista (2 of 2)
Attachments: L1624992.pdf; L1616254.pdf; L1624244.pdf

Good afternoon,
(2 of 2)

Please accept the following lab reports for Eco-Vista Landfill: Monthly GW/LCS/LDS & 2Q23

L1602378
L1603505
L1604063
L1614728
L1616254
L1624244
L1624992

Thank you,

Stacy Kennedy
Project Manager I
12065 Lebanon Road | Mt. Juliet, TN 37122
(office)615.773.7453
Stacy.Kennedy@pacelabs.com | www.pacenational.com

MAKE YOUR PAYMENTS ONLINE

Pace Analytical National Center for Testing & Innovation will not be accepting these sample types per the following dates:
BOD Samples on Saturday 11/18, Wednesday, 12/20, Wednesday, 12/27 as the 5-day BOD take off run falls on a holiday.
Microbiological Samples on Wednesday 11/22,

 Please consider the environment before printing this email

ANALYTICAL REPORT

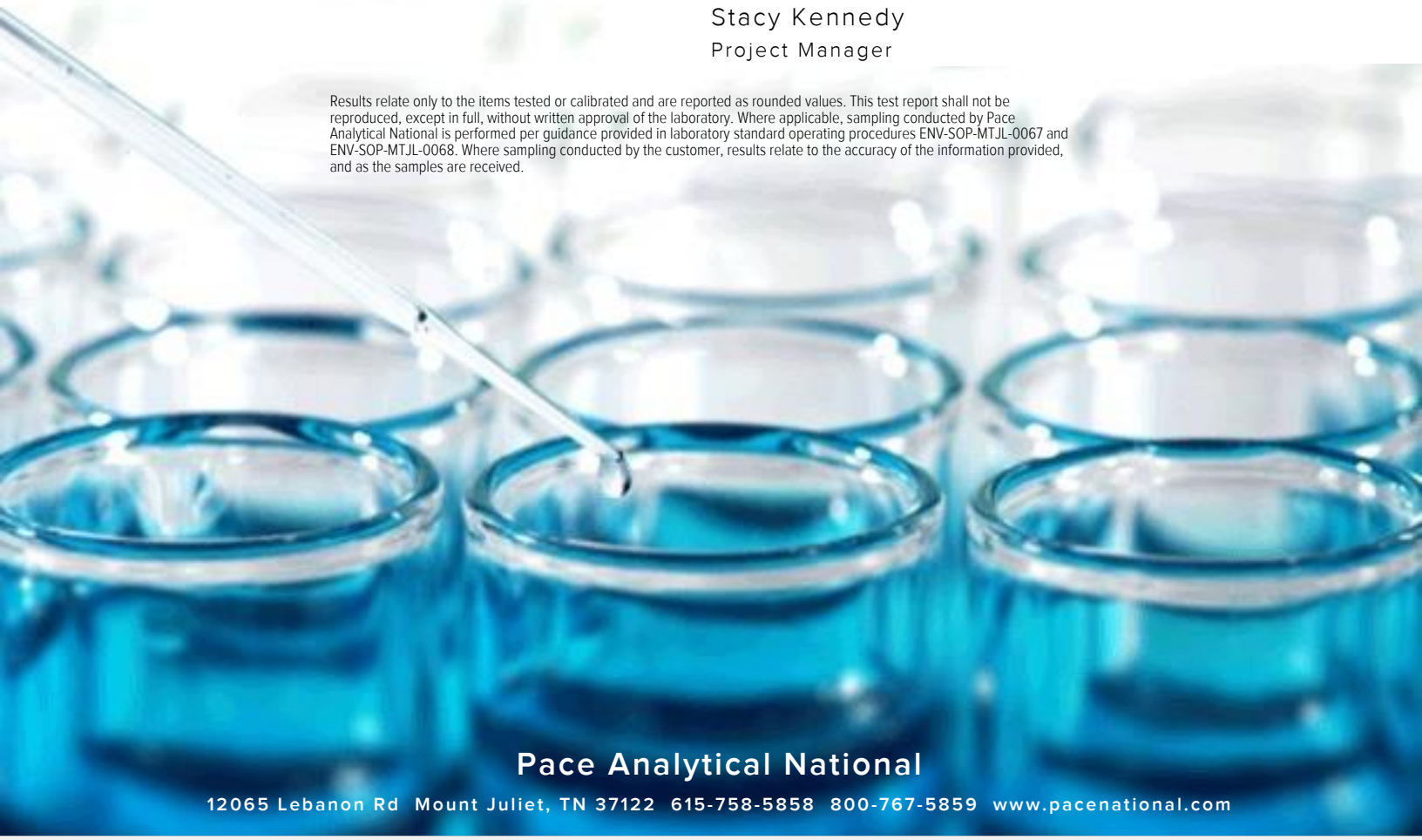
April 20, 2023

Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1604063
Samples Received:	04/11/2023
Project Number:	200
Description:	Eco-Vista LF-GW-Apr & Oct
Site:	AR03
Report To:	Jodi Reynolds 88 Joyce Lane Russellville, AR 72801

Entire Report Reviewed By:

Stacy Kennedy
Project Manager



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

TABLE OF CONTENTS

MW-2N L1604063-01 GW

Collected by: Chris Fincher | Collected date/time: 04/08/23 09:25 | Received date/time: 04/11/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2041092	1	04/13/23 08:03	04/13/23 12:01	JPD	Mt. Juliet, TN

MW-8N L1604063-02 GW

Collected by: Chris Fincher | Collected date/time: 04/08/23 12:00 | Received date/time: 04/11/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2040637	1	04/13/23 11:04	04/14/23 01:43	AS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2041452	1	04/14/23 00:02	04/14/23 00:02	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2041069	1	04/14/23 12:07	04/14/23 12:07	RCD	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2040640	1	04/15/23 14:37	04/16/23 21:43	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2041092	1	04/13/23 08:03	04/13/23 12:05	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2041307	1	04/13/23 15:44	04/13/23 15:44	ADM	Mt. Juliet, TN

MW-10N L1604063-03 GW

Collected by: Chris Fincher | Collected date/time: 04/08/23 11:20 | Received date/time: 04/11/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG2040640	1	04/15/23 14:37	04/16/23 21:46	ABL	Mt. Juliet, TN

MW-21 L1604063-04 GW

Collected by: Chris Fincher | Collected date/time: 04/08/23 10:35 | Received date/time: 04/11/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2040637	1	04/13/23 11:04	04/14/23 01:43	AS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2041452	1	04/14/23 03:29	04/14/23 03:29	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2041069	1	04/14/23 12:21	04/14/23 12:21	RCD	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2040640	1	04/15/23 14:37	04/16/23 21:49	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2041092	1	04/13/23 08:03	04/13/23 12:08	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2041307	1	04/13/23 16:05	04/13/23 16:05	ADM	Mt. Juliet, TN

NE-9 L1604063-05 GW

Collected by: Chris Fincher | Collected date/time: 04/08/23 12:35 | Received date/time: 04/11/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2040637	1	04/13/23 11:04	04/14/23 01:43	AS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2041452	1	04/14/23 03:42	04/14/23 03:42	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2041069	1	04/14/23 12:35	04/14/23 12:35	RCD	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2040640	1	04/15/23 14:37	04/16/23 21:52	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2041092	1	04/13/23 08:03	04/13/23 12:11	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2041307	1	04/13/23 16:25	04/13/23 16:25	ADM	Mt. Juliet, TN

TRIP BLANK L1604063-06 GW

Collected by: Chris Fincher | Collected date/time: 04/08/23 00:00 | Received date/time: 04/11/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2041307	1	04/13/23 11:58	04/13/23 11:58	ADM	Mt. Juliet, TN

CASE NARRATIVE

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.

Stacy Kennedy
Project Manager

Project Comments

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2041452	(MS) R3913524-11	Chloride and Sulfate

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.91	su
Specific Conductance (on site)	542	umhos/cm
Temperature (on-site)	14.7	Deg. C
Turbidity (on-site)	9.3	NTU
Dissolved Oxygen (on-site)	2.7	mg/l
eH/ORP (On Site)	150.9	mV
Depth to water (DTW) (FROM TOC)	65.07	ft

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chromium, Total Recoverable	ND		0.00300	1	04/13/2023 12:01	WG2041092
Nickel, Total Recoverable	ND		0.00400	1	04/13/2023 12:01	WG2041092

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.3	su
Specific Conductance (on site)	517	umhos/cm
Temperature (on-site)	15.3	Deg. C
Turbidity (on-site)	2.6	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	163.4	mV
Depth to water (DTW) (FROM TOC)	26.74	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	259		10.0	1	04/14/2023 01:43	WG2040637

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	29.9		3.00	1	04/14/2023 00:02	WG2041452
Sulfate	18.0		5.00	1	04/14/2023 00:02	WG2041452

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.77		1.00	1	04/14/2023 12:07	WG2041069

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/16/2023 21:43	WG2040640
Barium,Total Recoverable	0.142		0.00500	1	04/16/2023 21:43	WG2040640
Iron, Total Recoverable	ND		0.0600	1	04/16/2023 21:43	WG2040640
Manganese,Total Recoverable	2.75		0.00300	1	04/16/2023 21:43	WG2040640
Lead, Total Recoverable	ND		0.00500	1	04/16/2023 21:43	WG2040640
Selenium, Total Recoverable	0.0111		0.0100	1	04/16/2023 21:43	WG2040640

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/13/2023 12:05	WG2041092
Beryllium, Total Recoverable	ND		0.00100	1	04/13/2023 12:05	WG2041092
Cadmium, Total Recoverable	0.00779		0.00100	1	04/13/2023 12:05	WG2041092
Cobalt,Total Recoverable	ND		0.00300	1	04/13/2023 12:05	WG2041092
Chromium, Total Recoverable	ND		0.00300	1	04/13/2023 12:05	WG2041092
Copper, Total Recoverable	ND		0.00400	1	04/13/2023 12:05	WG2041092
Nickel, Total Recoverable	0.0213		0.00400	1	04/13/2023 12:05	WG2041092
Antimony, Total Recoverable	ND		0.00200	1	04/13/2023 12:05	WG2041092
Thallium, Total Recoverable	ND		0.00100	1	04/13/2023 12:05	WG2041092
Vanadium,Total Recoverable	ND		0.00300	1	04/13/2023 12:05	WG2041092
Zinc, Total Recoverable	0.0127	J	0.00500	1	04/13/2023 12:05	WG2041092

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/13/2023 15:44	WG2041307
1,1,1-Trichloroethane	ND		1.00	1	04/13/2023 15:44	WG2041307
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/13/2023 15:44	WG2041307
1,1,2-Trichloroethane	ND		1.00	1	04/13/2023 15:44	WG2041307
1,1-Dichloroethane	ND		1.00	1	04/13/2023 15:44	WG2041307
1,1-Dichloroethene	ND		1.00	1	04/13/2023 15:44	WG2041307
1,2,3-Trichloropropane	ND		1.00	1	04/13/2023 15:44	WG2041307
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/13/2023 15:44	WG2041307
1,2-Dibromoethane	ND		1.00	1	04/13/2023 15:44	WG2041307
1,2-Dichlorobenzene	ND		1.00	1	04/13/2023 15:44	WG2041307
1,2-Dichloroethane	ND		1.00	1	04/13/2023 15:44	WG2041307
1,2-Dichloropropane	ND		1.00	1	04/13/2023 15:44	WG2041307
1,4-Dichlorobenzene	ND		1.00	1	04/13/2023 15:44	WG2041307
2-Butanone (MEK)	ND		5.00	1	04/13/2023 15:44	WG2041307
2-Hexanone	ND		5.00	1	04/13/2023 15:44	WG2041307
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/13/2023 15:44	WG2041307
Acetone	ND		10.0	1	04/13/2023 15:44	WG2041307
Acrylonitrile	ND		20.0	1	04/13/2023 15:44	WG2041307
Benzene	ND		1.00	1	04/13/2023 15:44	WG2041307
Bromochloromethane	ND		1.00	1	04/13/2023 15:44	WG2041307
Bromodichloromethane	ND		1.00	1	04/13/2023 15:44	WG2041307
Bromoform	ND		1.00	1	04/13/2023 15:44	WG2041307
Bromomethane	ND		1.00	1	04/13/2023 15:44	WG2041307
Carbon disulfide	ND		1.00	1	04/13/2023 15:44	WG2041307
Carbon tetrachloride	ND		1.00	1	04/13/2023 15:44	WG2041307
Chlorobenzene	ND		1.00	1	04/13/2023 15:44	WG2041307
Chloroethane	ND		1.00	1	04/13/2023 15:44	WG2041307
Chloroform	ND		1.00	1	04/13/2023 15:44	WG2041307
Chloromethane	ND		1.00	1	04/13/2023 15:44	WG2041307
Dibromochloromethane	ND		1.00	1	04/13/2023 15:44	WG2041307
Dibromomethane	ND		1.00	1	04/13/2023 15:44	WG2041307
Ethylbenzene	ND		1.00	1	04/13/2023 15:44	WG2041307
Iodomethane	ND		1.00	1	04/13/2023 15:44	WG2041307
Methylene Chloride	ND		1.07	1	04/13/2023 15:44	WG2041307
Styrene	ND		1.00	1	04/13/2023 15:44	WG2041307
Tetrachloroethene	ND		1.00	1	04/13/2023 15:44	WG2041307
Toluene	ND		1.00	1	04/13/2023 15:44	WG2041307
Trichloroethene	ND		1.00	1	04/13/2023 15:44	WG2041307
Trichlorofluoromethane	ND		1.00	1	04/13/2023 15:44	WG2041307
Vinyl acetate	ND		5.00	1	04/13/2023 15:44	WG2041307
Vinyl chloride	ND		1.00	1	04/13/2023 15:44	WG2041307
Xylenes, Total	ND		1.00	1	04/13/2023 15:44	WG2041307
cis-1,2-Dichloroethene	ND		1.00	1	04/13/2023 15:44	WG2041307
cis-1,3-Dichloropropene	ND		1.00	1	04/13/2023 15:44	WG2041307
trans-1,2-Dichloroethene	ND		1.00	1	04/13/2023 15:44	WG2041307
trans-1,3-Dichloropropene	ND		1.00	1	04/13/2023 15:44	WG2041307
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/13/2023 15:44	WG2041307
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*	*04/13/2023 15:44*	WG2041307
(S) 4-Bromofluorobenzene	*93.5*			*77.0-126*	*04/13/2023 15:44*	WG2041307
(S) Toluene-d8	*105*			*80.0-120*	*04/13/2023 15:44*	WG2041307

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.11	su
Specific Conductance (on site)	497	umhos/cm
Temperature (on-site)	14.7	Deg. C
Turbidity (on-site)	3.8	NTU
Dissolved Oxygen (on-site)	0.2	mg/l
eH/ORP (On Site)	135.6	mV
Depth to water (DTW) (FROM TOC)	27.72	ft

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Manganese,Total Recoverable	0.0490		0.00300	1	04/16/2023 21:46	WG2040640

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.74	su
Specific Conductance (on site)	321	umhos/cm
Temperature (on-site)	15.8	Deg. C
Turbidity (on-site)	10.1	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	195.9	mV
Depth to water (DTW) (FROM TOC)	20.45	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	162		10.0	1	04/14/2023 01:43	WG2040637

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	16.0		3.00	1	04/14/2023 03:29	WG2041452
Sulfate	15.1		5.00	1	04/14/2023 03:29	WG2041452

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.68		1.00	1	04/14/2023 12:21	WG2041069

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/16/2023 21:49	WG2040640
Barium,Total Recoverable	0.170		0.00500	1	04/16/2023 21:49	WG2040640
Iron, Total Recoverable	0.893		0.0600	1	04/16/2023 21:49	WG2040640
Manganese,Total Recoverable	5.71		0.00300	1	04/16/2023 21:49	WG2040640
Lead, Total Recoverable	ND		0.00500	1	04/16/2023 21:49	WG2040640
Selenium, Total Recoverable	ND		0.0100	1	04/16/2023 21:49	WG2040640

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/13/2023 12:08	WG2041092
Beryllium, Total Recoverable	ND		0.00100	1	04/13/2023 12:08	WG2041092
Cadmium, Total Recoverable	0.00265		0.00100	1	04/13/2023 12:08	WG2041092
Cobalt,Total Recoverable	0.00745		0.00300	1	04/13/2023 12:08	WG2041092
Chromium, Total Recoverable	ND		0.00300	1	04/13/2023 12:08	WG2041092
Copper, Total Recoverable	ND		0.00400	1	04/13/2023 12:08	WG2041092
Nickel, Total Recoverable	0.0258		0.00400	1	04/13/2023 12:08	WG2041092
Antimony, Total Recoverable	ND		0.00200	1	04/13/2023 12:08	WG2041092
Thallium, Total Recoverable	ND		0.00100	1	04/13/2023 12:08	WG2041092
Vanadium,Total Recoverable	ND		0.00300	1	04/13/2023 12:08	WG2041092
Zinc, Total Recoverable	0.0412		0.00500	1	04/13/2023 12:08	WG2041092

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/13/2023 16:05	WG2041307
1,1,1-Trichloroethane	ND		1.00	1	04/13/2023 16:05	WG2041307
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/13/2023 16:05	WG2041307
1,1,2-Trichloroethane	ND		1.00	1	04/13/2023 16:05	WG2041307
1,1-Dichloroethane	ND		1.00	1	04/13/2023 16:05	WG2041307
1,1-Dichloroethene	ND		1.00	1	04/13/2023 16:05	WG2041307
1,2,3-Trichloropropane	ND		1.00	1	04/13/2023 16:05	WG2041307
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/13/2023 16:05	WG2041307
1,2-Dibromoethane	ND		1.00	1	04/13/2023 16:05	WG2041307
1,2-Dichlorobenzene	ND		1.00	1	04/13/2023 16:05	WG2041307
1,2-Dichloroethane	ND		1.00	1	04/13/2023 16:05	WG2041307
1,2-Dichloropropane	ND		1.00	1	04/13/2023 16:05	WG2041307
1,4-Dichlorobenzene	ND		1.00	1	04/13/2023 16:05	WG2041307
2-Butanone (MEK)	ND		5.00	1	04/13/2023 16:05	WG2041307
2-Hexanone	ND		5.00	1	04/13/2023 16:05	WG2041307
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/13/2023 16:05	WG2041307
Acetone	ND		10.0	1	04/13/2023 16:05	WG2041307
Acrylonitrile	ND		20.0	1	04/13/2023 16:05	WG2041307
Benzene	ND		1.00	1	04/13/2023 16:05	WG2041307
Bromochloromethane	ND		1.00	1	04/13/2023 16:05	WG2041307
Bromodichloromethane	ND		1.00	1	04/13/2023 16:05	WG2041307
Bromoform	ND		1.00	1	04/13/2023 16:05	WG2041307
Bromomethane	ND		1.00	1	04/13/2023 16:05	WG2041307
Carbon disulfide	ND		1.00	1	04/13/2023 16:05	WG2041307
Carbon tetrachloride	ND		1.00	1	04/13/2023 16:05	WG2041307
Chlorobenzene	ND		1.00	1	04/13/2023 16:05	WG2041307
Chloroethane	ND		1.00	1	04/13/2023 16:05	WG2041307
Chloroform	ND		1.00	1	04/13/2023 16:05	WG2041307
Chloromethane	ND		1.00	1	04/13/2023 16:05	WG2041307
Dibromochloromethane	ND		1.00	1	04/13/2023 16:05	WG2041307
Dibromomethane	ND		1.00	1	04/13/2023 16:05	WG2041307
Ethylbenzene	ND		1.00	1	04/13/2023 16:05	WG2041307
Iodomethane	ND		1.00	1	04/13/2023 16:05	WG2041307
Methylene Chloride	ND		1.07	1	04/13/2023 16:05	WG2041307
Styrene	ND		1.00	1	04/13/2023 16:05	WG2041307
Tetrachloroethene	ND		1.00	1	04/13/2023 16:05	WG2041307
Toluene	ND		1.00	1	04/13/2023 16:05	WG2041307
Trichloroethene	ND		1.00	1	04/13/2023 16:05	WG2041307
Trichlorofluoromethane	ND		1.00	1	04/13/2023 16:05	WG2041307
Vinyl acetate	ND		5.00	1	04/13/2023 16:05	WG2041307
Vinyl chloride	ND		1.00	1	04/13/2023 16:05	WG2041307
Xylenes, Total	ND		1.00	1	04/13/2023 16:05	WG2041307
cis-1,2-Dichloroethene	ND		1.00	1	04/13/2023 16:05	WG2041307
cis-1,3-Dichloropropene	ND		1.00	1	04/13/2023 16:05	WG2041307
trans-1,2-Dichloroethene	ND		1.00	1	04/13/2023 16:05	WG2041307
trans-1,3-Dichloropropene	ND		1.00	1	04/13/2023 16:05	WG2041307
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/13/2023 16:05	WG2041307
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*	*04/13/2023 16:05*	WG2041307
(S) 4-Bromofluorobenzene	*94.4*			*77.0-126*	*04/13/2023 16:05*	WG2041307
(S) Toluene-d8	*105*			*80.0-120*	*04/13/2023 16:05*	WG2041307

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.24	su
Specific Conductance (on site)	689	umhos/cm
Temperature (on-site)	15	Deg. C
Turbidity (on-site)	2.8	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	164.9	mV
Depth to water (DTW) (FROM TOC)	9.02	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	361		10.0	1	04/14/2023 01:43	WG2040637

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	23.6		3.00	1	04/14/2023 03:42	WG2041452
Sulfate	ND		5.00	1	04/14/2023 03:42	WG2041452

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.08		1.00	1	04/14/2023 12:35	WG2041069

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/16/2023 21:52	WG2040640
Barium,Total Recoverable	0.0888		0.00500	1	04/16/2023 21:52	WG2040640
Iron, Total Recoverable	ND		0.0600	1	04/16/2023 21:52	WG2040640
Manganese,Total Recoverable	2.23		0.00300	1	04/16/2023 21:52	WG2040640
Lead, Total Recoverable	ND		0.00500	1	04/16/2023 21:52	WG2040640
Selenium, Total Recoverable	ND		0.0100	1	04/16/2023 21:52	WG2040640

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/13/2023 12:11	WG2041092
Beryllium, Total Recoverable	ND		0.00100	1	04/13/2023 12:11	WG2041092
Cadmium, Total Recoverable	0.0104		0.00100	1	04/13/2023 12:11	WG2041092
Cobalt,Total Recoverable	ND		0.00300	1	04/13/2023 12:11	WG2041092
Chromium, Total Recoverable	ND		0.00300	1	04/13/2023 12:11	WG2041092
Copper, Total Recoverable	ND		0.00400	1	04/13/2023 12:11	WG2041092
Nickel, Total Recoverable	0.0406		0.00400	1	04/13/2023 12:11	WG2041092
Antimony, Total Recoverable	ND		0.00200	1	04/13/2023 12:11	WG2041092
Thallium, Total Recoverable	ND		0.00100	1	04/13/2023 12:11	WG2041092
Vanadium,Total Recoverable	ND		0.00300	1	04/13/2023 12:11	WG2041092
Zinc, Total Recoverable	0.0625		0.00500	1	04/13/2023 12:11	WG2041092

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/13/2023 16:25	WG2041307
1,1,1-Trichloroethane	ND		1.00	1	04/13/2023 16:25	WG2041307
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/13/2023 16:25	WG2041307
1,1,2-Trichloroethane	ND		1.00	1	04/13/2023 16:25	WG2041307
1,1-Dichloroethane	ND		1.00	1	04/13/2023 16:25	WG2041307
1,1-Dichloroethene	ND		1.00	1	04/13/2023 16:25	WG2041307
1,2,3-Trichloropropane	ND		1.00	1	04/13/2023 16:25	WG2041307
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/13/2023 16:25	WG2041307
1,2-Dibromoethane	ND		1.00	1	04/13/2023 16:25	WG2041307
1,2-Dichlorobenzene	ND		1.00	1	04/13/2023 16:25	WG2041307
1,2-Dichloroethane	ND		1.00	1	04/13/2023 16:25	WG2041307
1,2-Dichloropropane	ND		1.00	1	04/13/2023 16:25	WG2041307
1,4-Dichlorobenzene	ND		1.00	1	04/13/2023 16:25	WG2041307
2-Butanone (MEK)	ND		5.00	1	04/13/2023 16:25	WG2041307
2-Hexanone	ND		5.00	1	04/13/2023 16:25	WG2041307
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/13/2023 16:25	WG2041307
Acetone	ND		10.0	1	04/13/2023 16:25	WG2041307
Acrylonitrile	ND		20.0	1	04/13/2023 16:25	WG2041307
Benzene	ND		1.00	1	04/13/2023 16:25	WG2041307
Bromochloromethane	ND		1.00	1	04/13/2023 16:25	WG2041307
Bromodichloromethane	ND		1.00	1	04/13/2023 16:25	WG2041307
Bromoform	ND		1.00	1	04/13/2023 16:25	WG2041307
Bromomethane	ND		1.00	1	04/13/2023 16:25	WG2041307
Carbon disulfide	ND		1.00	1	04/13/2023 16:25	WG2041307
Carbon tetrachloride	ND		1.00	1	04/13/2023 16:25	WG2041307
Chlorobenzene	ND		1.00	1	04/13/2023 16:25	WG2041307
Chloroethane	ND		1.00	1	04/13/2023 16:25	WG2041307
Chloroform	ND		1.00	1	04/13/2023 16:25	WG2041307
Chloromethane	ND		1.00	1	04/13/2023 16:25	WG2041307
Dibromochloromethane	ND		1.00	1	04/13/2023 16:25	WG2041307
Dibromomethane	ND		1.00	1	04/13/2023 16:25	WG2041307
Ethylbenzene	ND		1.00	1	04/13/2023 16:25	WG2041307
Iodomethane	ND		1.00	1	04/13/2023 16:25	WG2041307
Methylene Chloride	ND		1.07	1	04/13/2023 16:25	WG2041307
Styrene	ND		1.00	1	04/13/2023 16:25	WG2041307
Tetrachloroethene	ND		1.00	1	04/13/2023 16:25	WG2041307
Toluene	ND		1.00	1	04/13/2023 16:25	WG2041307
Trichloroethene	ND		1.00	1	04/13/2023 16:25	WG2041307
Trichlorofluoromethane	ND		1.00	1	04/13/2023 16:25	WG2041307
Vinyl acetate	ND		5.00	1	04/13/2023 16:25	WG2041307
Vinyl chloride	ND		1.00	1	04/13/2023 16:25	WG2041307
Xylenes, Total	ND		1.00	1	04/13/2023 16:25	WG2041307
cis-1,2-Dichloroethene	ND		1.00	1	04/13/2023 16:25	WG2041307
cis-1,3-Dichloropropene	ND		1.00	1	04/13/2023 16:25	WG2041307
trans-1,2-Dichloroethene	ND		1.00	1	04/13/2023 16:25	WG2041307
trans-1,3-Dichloropropene	ND		1.00	1	04/13/2023 16:25	WG2041307
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/13/2023 16:25	WG2041307
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*	*04/13/2023 16:25*	WG2041307
(S) 4-Bromofluorobenzene	*96.6*			*77.0-126*	*04/13/2023 16:25*	WG2041307
(S) Toluene-d8	*106*			*80.0-120*	*04/13/2023 16:25*	WG2041307

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/13/2023 11:58	WG2041307
1,1,1-Trichloroethane	ND		1.00	1	04/13/2023 11:58	WG2041307
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/13/2023 11:58	WG2041307
1,1,2-Trichloroethane	ND		1.00	1	04/13/2023 11:58	WG2041307
1,1-Dichloroethane	ND		1.00	1	04/13/2023 11:58	WG2041307
1,1-Dichloroethene	ND		1.00	1	04/13/2023 11:58	WG2041307
1,2,3-Trichloropropane	ND		1.00	1	04/13/2023 11:58	WG2041307
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/13/2023 11:58	WG2041307
1,2-Dibromoethane	ND		1.00	1	04/13/2023 11:58	WG2041307
1,2-Dichlorobenzene	ND		1.00	1	04/13/2023 11:58	WG2041307
1,2-Dichloroethane	ND		1.00	1	04/13/2023 11:58	WG2041307
1,2-Dichloropropane	ND		1.00	1	04/13/2023 11:58	WG2041307
1,4-Dichlorobenzene	ND		1.00	1	04/13/2023 11:58	WG2041307
2-Butanone (MEK)	ND		5.00	1	04/13/2023 11:58	WG2041307
2-Hexanone	ND		5.00	1	04/13/2023 11:58	WG2041307
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/13/2023 11:58	WG2041307
Acetone	ND		10.0	1	04/13/2023 11:58	WG2041307
Acrylonitrile	ND		20.0	1	04/13/2023 11:58	WG2041307
Benzene	ND		1.00	1	04/13/2023 11:58	WG2041307
Bromochloromethane	ND		1.00	1	04/13/2023 11:58	WG2041307
Bromodichloromethane	ND		1.00	1	04/13/2023 11:58	WG2041307
Bromoform	ND		1.00	1	04/13/2023 11:58	WG2041307
Bromomethane	ND		1.00	1	04/13/2023 11:58	WG2041307
Carbon disulfide	ND		1.00	1	04/13/2023 11:58	WG2041307
Carbon tetrachloride	ND		1.00	1	04/13/2023 11:58	WG2041307
Chlorobenzene	ND		1.00	1	04/13/2023 11:58	WG2041307
Chloroethane	ND		1.00	1	04/13/2023 11:58	WG2041307
Chloroform	ND		1.00	1	04/13/2023 11:58	WG2041307
Chloromethane	ND		1.00	1	04/13/2023 11:58	WG2041307
Dibromochloromethane	ND		1.00	1	04/13/2023 11:58	WG2041307
Dibromomethane	ND		1.00	1	04/13/2023 11:58	WG2041307
Ethylbenzene	ND		1.00	1	04/13/2023 11:58	WG2041307
Iodomethane	ND		1.00	1	04/13/2023 11:58	WG2041307
Methylene Chloride	ND		1.07	1	04/13/2023 11:58	WG2041307
Styrene	ND		1.00	1	04/13/2023 11:58	WG2041307
Tetrachloroethene	ND		1.00	1	04/13/2023 11:58	WG2041307
Toluene	ND		1.00	1	04/13/2023 11:58	WG2041307
Trichloroethene	ND		1.00	1	04/13/2023 11:58	WG2041307
Trichlorofluoromethane	ND		1.00	1	04/13/2023 11:58	WG2041307
Vinyl acetate	ND		5.00	1	04/13/2023 11:58	WG2041307
Vinyl chloride	ND		1.00	1	04/13/2023 11:58	WG2041307
Xylenes, Total	ND		1.00	1	04/13/2023 11:58	WG2041307
cis-1,2-Dichloroethene	ND		1.00	1	04/13/2023 11:58	WG2041307
cis-1,3-Dichloropropene	ND		1.00	1	04/13/2023 11:58	WG2041307
trans-1,2-Dichloroethene	ND		1.00	1	04/13/2023 11:58	WG2041307
trans-1,3-Dichloropropene	ND		1.00	1	04/13/2023 11:58	WG2041307
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/13/2023 11:58	WG2041307
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*	*04/13/2023 11:58*	WG2041307
(S) 4-Bromofluorobenzene	*96.6*			*77.0-126*	*04/13/2023 11:58*	WG2041307
(S) Toluene-d8	*106*			*80.0-120*	*04/13/2023 11:58*	WG2041307

Method Blank (MB)

(MB) R3913609-1 04/14/23 01:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	ND		2.82	10.0

L1603505-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1603505-13 04/14/23 01:43 • (DUP) R3913609-3 04/14/23 01:43

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	227	235	1	3.46		5

L1603813-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1603813-01 04/14/23 01:43 • (DUP) R3913609-4 04/14/23 01:43

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	460	459	1	0.218		5

Laboratory Control Sample (LCS)

(LCS) R3913609-2 04/14/23 01:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8300	94.3	77.3-123	

Method Blank (MB)

(MB) R3913524-1 04/13/23 23:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.112		0.0519	1.00
Sulfate	0.103		0.0774	5.00

L1604726-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1604726-02 04/14/23 06:27 • (DUP) R3913524-9 04/14/23 06:41

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	325	327	1	0.577	E	15
Sulfate	338	340	1	0.771	E	15

L1604063-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1604063-02 04/14/23 00:02 • (DUP) R3913524-6 04/14/23 00:16

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	29.9	29.9	1	0.0613		15
Sulfate	18.0	18.0	1	0.0884		15

Laboratory Control Sample (LCS)

(LCS) R3913524-2 04/13/23 23:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.6	96.6	80.0-120	
Sulfate	40.0	38.3	95.7	80.0-120	

L1604063-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1604063-02 04/14/23 00:02 • (MS) R3913524-7 04/14/23 00:30 • (MSD) R3913524-8 04/14/23 00:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	29.9	77.0	77.2	94.3	94.7	1	80.0-120			0.297	15
Sulfate	50.0	18.0	63.7	64.1	91.5	92.2	1	80.0-120			0.553	15

L1604726-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1604726-02 04/14/23 06:27 • (MS) R3913524-11 04/14/23 06:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	325	358	64.3	1	80.0-120	E V
Sulfate	50.0	338	376	76.4	1	80.0-120	E V

Method Blank (MB)

(MB) R3913543-2 04/14/23 11:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TOC (Total Organic Carbon)	0.546	J	0.102	1.00

L1604117-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1604117-01 04/14/23 13:45 • (DUP) R3913543-5 04/14/23 14:09

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	17.7	18.3	1	3.50		20

L1604484-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1604484-01 04/14/23 18:53 • (DUP) R3913543-6 04/14/23 19:13

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	2.42	2.26	1	6.96		20

Laboratory Control Sample (LCS)

(LCS) R3913543-1 04/14/23 11:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC	75.0	73.9	98.5	85.0-115	

L1604063-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1604063-05 04/14/23 12:35 • (MS) R3913543-3 04/14/23 13:00 • (MSD) R3913543-4 04/14/23 13:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC	50.0	1.08	51.2	51.2	100	100	1	80.0-120			0.0586	20

L1604484-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1604484-07 04/14/23 20:55 • (MS) R3913543-7 04/14/23 22:48 • (MSD) R3913543-8 04/14/23 23:13

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC	50.0	7.73	59.0	57.8	103	100	1	80.0-120			2.07	20

Method Blank (MB)

(MB) R3913776-1 04/16/23 20:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver	ND		0.00280	0.00500
Barium	ND		0.00170	0.00500
Iron	ND		0.0141	0.100
Manganese	ND		0.00120	0.0100
Lead	ND		0.00190	0.00500
Selenium	ND		0.00740	0.0100

Laboratory Control Sample (LCS)

(LCS) R3913776-2 04/16/23 21:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver	0.200	0.174	86.8	80.0-120	
Barium	1.00	0.978	97.8	80.0-120	
Iron	10.0	9.55	95.5	80.0-120	
Manganese	1.00	0.873	87.3	80.0-120	
Lead	1.00	0.947	94.7	80.0-120	
Selenium	1.00	0.946	94.6	80.0-120	

L1603995-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603995-22 04/16/23 21:04 • (MS) R3913776-4 04/16/23 21:09 • (MSD) R3913776-5 04/16/23 21:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver	0.200	ND	0.177	0.177	88.4	88.4	1	75.0-125			0.0481	20
Barium	1.00	0.0181	1.02	1.04	99.8	102	1	75.0-125			2.17	20
Iron	10.0	0.724	10.4	10.4	96.9	97.1	1	75.0-125			0.244	20
Manganese	1.00	0.140	1.03	1.03	89.3	88.7	1	75.0-125			0.656	20
Lead	1.00	ND	0.957	0.981	95.7	98.1	1	75.0-125			2.56	20
Selenium	1.00	ND	0.974	0.995	97.4	99.5	1	75.0-125			2.22	20

Method Blank (MB)

(MB) R3912789-1 04/13/23 11:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	ND		0.000250	0.00200
Beryllium	ND		0.000120	0.00200
Cadmium	ND		0.000160	0.00100
Cobalt	ND		0.000260	0.00200
Chromium	ND		0.000540	0.00200
Copper	ND		0.000520	0.00500
Nickel	ND		0.000350	0.00200
Antimony	ND		0.000754	0.00200
Thallium	ND		0.000190	0.00200
Vanadium	ND		0.000180	0.00500
Zinc	ND		0.00256	0.0250

Laboratory Control Sample (LCS)

(LCS) R3912789-2 04/13/23 11:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0480	96.0	80.0-120	
Beryllium	0.0500	0.0503	101	80.0-120	
Cadmium	0.0500	0.0522	104	80.0-120	
Cobalt	0.0500	0.0504	101	80.0-120	
Chromium	0.0500	0.0503	101	80.0-120	
Copper	0.0500	0.0474	94.7	80.0-120	
Nickel	0.0500	0.0507	101	80.0-120	
Antimony	0.0500	0.0457	91.4	80.0-120	
Thallium	0.0500	0.0493	98.6	80.0-120	
Vanadium	0.0500	0.0504	101	80.0-120	
Zinc	0.0500	0.0474	94.8	80.0-120	

L1603493-33 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603493-33 04/13/23 11:12 • (MS) R3912789-4 04/13/23 11:19 • (MSD) R3912789-5 04/13/23 11:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	ND	0.0481	0.0488	95.7	97.2	1	75.0-125			1.48	20
Beryllium	0.0500	ND	0.0499	0.0490	99.8	98.1	1	75.0-125			1.73	20
Cadmium	0.0500		0.0512	0.0515	102	103	1	75.0-125			0.468	20
Cobalt	0.0500		0.0490	0.0503	97.7	100	1	75.0-125			2.60	20
Chromium	0.0500		0.0493	0.0505	98.5	101	1	75.0-125			2.56	20

L1603493-33 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603493-33 04/13/23 11:12 • (MS) R3912789-4 04/13/23 11:19 • (MSD) R3912789-5 04/13/23 11:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Copper	0.0500		0.0462	0.0479	92.4	95.7	1	75.0-125			3.49	20
Nickel	0.0500	ND	0.0496	0.0501	99.2	100	1	75.0-125			1.06	20
Antimony	0.0500	ND	0.0495	0.0484	99.0	96.8	1	75.0-125			2.32	20
Thallium	0.0500	ND	0.0476	0.0504	95.1	101	1	75.0-125			5.84	20
Vanadium	0.0500		0.0508	0.0514	102	103	1	75.0-125			1.21	20
Zinc	0.0500		0.0481	0.0527	96.3	105	1	75.0-125			8.99	20

Method Blank (MB)

(MB) R3913226-3 04/13/23 10:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.120	0.500
1,1,1-Trichloroethane	ND		0.0940	0.500
1,1,2,2-Tetrachloroethane	ND		0.130	0.500
1,1,2-Trichloroethane	ND		0.0940	0.500
1,1-Dichloroethane	ND		0.114	0.500
1,1-Dichloroethene	ND		0.188	0.500
1,2,3-Trichloropropane	ND		0.247	2.50
1,2-Dibromo-3-Chloropropane	ND		0.325	2.50
1,2-Dibromoethane	ND		0.193	0.500
1,2-Dichlorobenzene	ND		0.101	0.500
1,2-Dichloroethane	ND		0.108	0.500
1,2-Dichloropropane	ND		0.190	0.500
1,4-Dichlorobenzene	ND		0.121	0.500
2-Butanone (MEK)	ND		1.28	5.00
2-Hexanone	ND		0.757	5.00
4-Methyl-2-pentanone (MIBK)	ND		0.823	5.00
Acetone	ND		1.05	25.0
Acrylonitrile	ND		0.873	5.00
Benzene	ND		0.0896	0.500
Bromochloromethane	ND		0.145	0.500
Bromodichloromethane	ND		0.0800	0.500
Bromoform	ND		0.186	0.500
Bromomethane	ND		0.157	2.50
Carbon disulfide	ND		0.101	0.500
Carbon tetrachloride	ND		0.159	0.500
Chlorobenzene	ND		0.140	0.500
Chloroethane	ND		0.141	2.50
Chloroform	ND		0.0860	0.500
Chloromethane	ND		0.153	1.25
Chlorodibromomethane	ND		0.128	0.500
Dibromomethane	ND		0.117	0.500
Ethylbenzene	ND		0.158	0.500
Iodomethane	0.391	J	0.377	10.0
Methylene Chloride	ND		1.07	2.50
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00

Method Blank (MB)

(MB) R3913226-3 04/13/23 10:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*
(S) Toluene-d8	*105*			*80.0-120*

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

(LCS) R3913226-1 04/13/23 09:20 • (LCSD) R3913226-2 04/13/23 09:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	4.38	4.48	87.6	89.6	75.0-125			2.26	20
1,1,1-Trichloroethane	5.00	4.53	4.59	90.6	91.8	73.0-124			1.32	20
1,1,2,2-Tetrachloroethane	5.00	5.45	5.28	109	106	65.0-130			3.17	20
1,1,2-Trichloroethane	5.00	4.56	4.70	91.2	94.0	80.0-120			3.02	20
1,1-Dichloroethane	5.00	4.94	4.97	98.8	99.4	70.0-126			0.605	20
1,1-Dichloroethene	5.00	4.28	4.31	85.6	86.2	71.0-124			0.698	20
1,2,3-Trichloropropane	5.00	5.22	5.30	104	106	73.0-130			1.52	20
1,2-Dibromo-3-Chloropropane	5.00	4.14	4.41	82.8	88.2	58.0-134			6.32	20
1,2-Dibromoethane	5.00	4.73	4.80	94.6	96.0	80.0-122			1.47	20
1,2-Dichlorobenzene	5.00	4.39	4.38	87.8	87.6	79.0-121			0.228	20
1,2-Dichloroethane	5.00	4.97	4.95	99.4	99.0	70.0-128			0.403	20
1,2-Dichloropropane	5.00	5.13	4.94	103	98.8	77.0-125			3.77	20
1,4-Dichlorobenzene	5.00	4.30	4.40	86.0	88.0	79.0-120			2.30	20
2-Butanone (MEK)	25.0	27.1	26.4	108	106	44.0-160			2.62	20
2-Hexanone	25.0	25.6	25.5	102	102	67.0-149			0.391	20
4-Methyl-2-pentanone (MIBK)	25.0	25.2	25.2	101	101	68.0-142			0.000	20
Acetone	25.0	26.8	26.4	107	106	19.0-160			1.50	27
Acrylonitrile	25.0	26.1	26.1	104	104	55.0-149			0.000	20
Benzene	5.00	4.65	4.67	93.0	93.4	70.0-123			0.429	20
Bromochloromethane	5.00	4.66	4.61	93.2	92.2	76.0-122			1.08	20
Bromodichloromethane	5.00	4.75	4.81	95.0	96.2	75.0-120			1.26	20
Bromoform	5.00	4.10	4.09	82.0	81.8	68.0-132			0.244	20
Bromomethane	5.00	3.61	3.75	72.2	75.0	10.0-160			3.80	25

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

(LCS) R3913226-1 04/13/23 09:20 • (LCSD) R3913226-2 04/13/23 09:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Carbon disulfide	5.00	4.38	4.38	87.6	87.6	61.0-128			0.000	20
Carbon tetrachloride	5.00	4.31	4.28	86.2	85.6	68.0-126			0.698	20
Chlorobenzene	5.00	4.52	4.57	90.4	91.4	80.0-121			1.10	20
Chloroethane	5.00	4.29	4.30	85.8	86.0	47.0-150			0.233	20
Chloroform	5.00	4.74	4.64	94.8	92.8	73.0-120			2.13	20
Chloromethane	5.00	3.87	3.81	77.4	76.2	41.0-142			1.56	20
Chlorodibromomethane	5.00	4.39	4.34	87.8	86.8	77.0-125			1.15	20
Dibromomethane	5.00	4.78	4.66	95.6	93.2	80.0-120			2.54	20
Ethylbenzene	5.00	4.34	4.38	86.8	87.6	79.0-123			0.917	20
Iodomethane	25.0	14.1	15.8	56.4	63.2	33.0-147			11.4	26
Methylene Chloride	5.00	5.03	5.00	101	100	67.0-120			0.598	20
Styrene	5.00	4.22	4.32	84.4	86.4	73.0-130			2.34	20
Tetrachloroethene	5.00	4.32	4.35	86.4	87.0	72.0-132			0.692	20
Toluene	5.00	4.48	4.58	89.6	91.6	79.0-120			2.21	20
Trichloroethene	5.00	4.60	4.59	92.0	91.8	78.0-124			0.218	20
Trichlorofluoromethane	5.00	4.31	4.29	86.2	85.8	59.0-147			0.465	20
Vinyl acetate	25.0	36.9	35.1	148	140	11.0-160			5.00	20
Vinyl chloride	5.00	4.47	4.58	89.4	91.6	67.0-131			2.43	20
Xylenes, Total	15.0	12.9	13.3	86.0	88.7	79.0-123			3.05	20
cis-1,2-Dichloroethene	5.00	4.60	4.61	92.0	92.2	73.0-120			0.217	20
cis-1,3-Dichloropropene	5.00	4.75	4.73	95.0	94.6	80.0-123			0.422	20
trans-1,2-Dichloroethene	5.00	4.58	4.63	91.6	92.6	73.0-120			1.09	20
trans-1,3-Dichloropropene	5.00	4.59	4.62	91.8	92.4	78.0-124			0.651	20
trans-1,4-Dichloro-2-butene	5.00	5.61	5.20	112	104	33.0-144			7.59	20
(S) 1,2-Dichloroethane-d4				*110*	*109*	*70.0-130*				
(S) 4-Bromofluorobenzene				*94.7*	*96.1*	*77.0-126*				
(S) Toluene-d8				*102*	*103*	*80.0-120*				

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

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
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
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.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Pres Chk

Report to:
Jodi Reynolds

Email To:
jeffholmgren@sbcglobal.net;jreyno10@wm.co

Project Description:
Eco-Vista LF-GW-Apr & Oct

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project #
200

Lab Project #
WMECOVISAR-00020

Collected by (print):
Chris Fincher

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
Immediately
Packed on Ice N___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	CHLORIDE,SULFATE 125mlHDPE-NoPres	Metals 250mlHDPE-HNO3	NH3 250mlHDPE-H2SO4	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	V8260LL 40mlAmb-HCl	V8260LL 40mlAmb-HCl-Blk			Remarks	Sample # (lab only)
NE-14S		GW				7		X	X		X	X	X					
NE-15D		GW				7		X	X		X	X	X					
NE-15S		GW				7		X	X		X	X	X					
MW-2N	Grab	GW	67.85	4.8.23	0925	1			X									-01
MW-3N		GW				7		X	X		X	X	X					
MW-8N	Grab	GW	27.15	4.8.23	1200	7		X	X		X	X	X					-02
MW-10N	↓	GW	32.25	↓	1120	1			X									-03
MW-21	↓	GW	20.55	↓	1035	7		X	X		X	X	X					-04
NE-9	↓	GW	10.00	↓	1235	7		X	X		X	X	X					-05
FB LBW10		GW				8		X	X	X	X	X	X					

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 160463
G111

Acctnum: **WMECOVISAR**
Template: **T225843**
Prelogin: **P986151**
PM: **616 - Stacy Kennedy**
PB: Bf 3/14/23

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__UPS __FedEx __Courier _____

Tracking # 6337 2237 7630

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
	4.10.23	1030		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.5/1.7°C 0440304 Bottles Received: 23	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/11/23 Time: 915	Hold: / Condition: NCF / OK

ANALYTICAL REPORT

May 25, 2023

Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1614728
Samples Received:	05/10/2023
Project Number:	300
Description:	Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, Dec
Site:	AR03
Report To:	Jodi Reynolds 88 Joyce Lane Russellville, AR 72801

Entire Report Reviewed By:

Stacy Kennedy
Project Manager

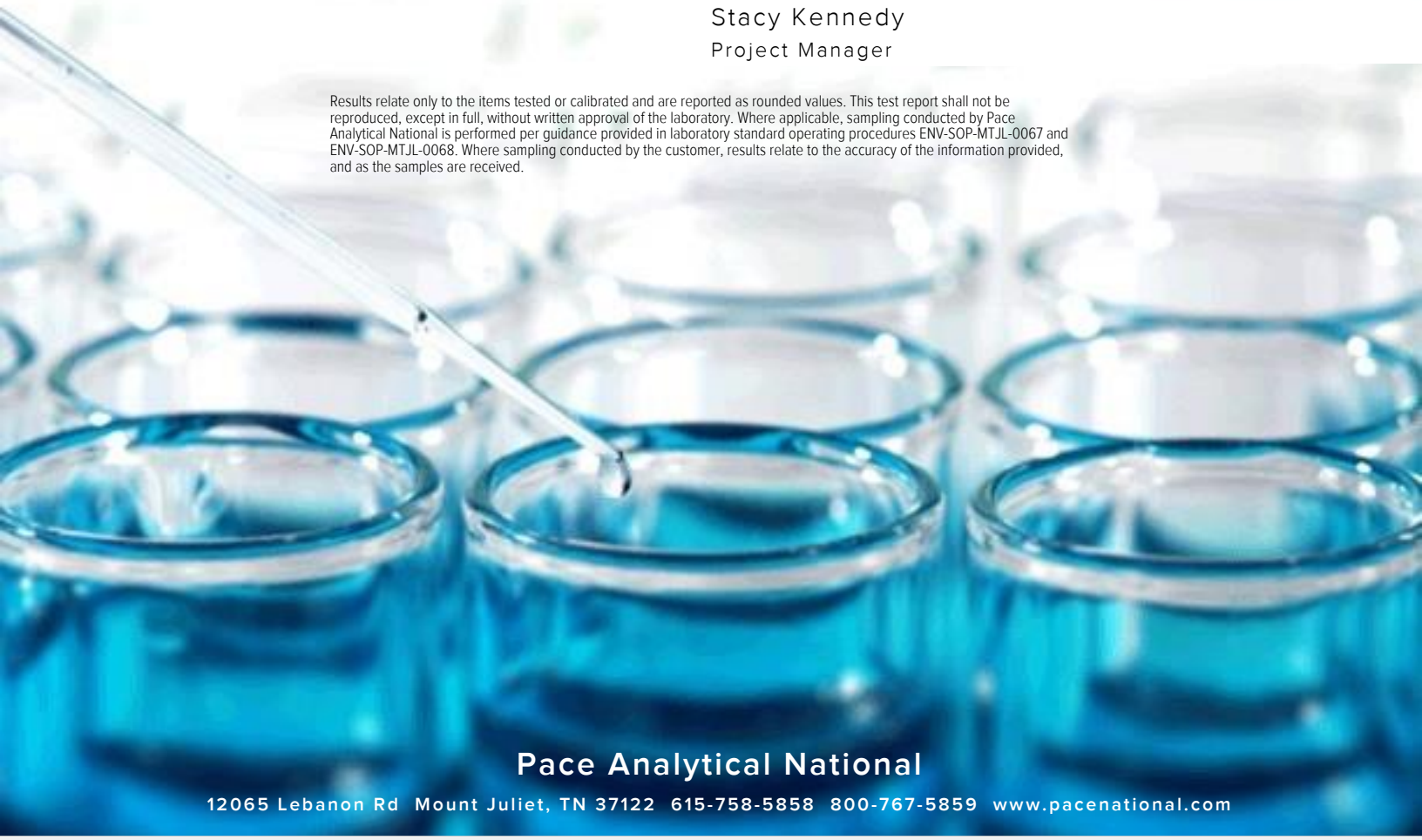


TABLE OF CONTENTS

LCS-1 L1614728-01 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 10:00 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058035	500	05/11/23 12:14	05/11/23 12:14	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 11:05	05/18/23 11:05	LBR	Mt. Juliet, TN

LCS-2 L1614728-02 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 10:30 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058035	500	05/11/23 12:15	05/11/23 12:15	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 11:14	05/18/23 11:14	LBR	Mt. Juliet, TN

LCS-3 L1614728-03 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 11:00 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058035	500	05/11/23 12:17	05/11/23 12:17	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 11:23	05/18/23 11:23	LBR	Mt. Juliet, TN

LCS-4 L1614728-04 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 11:30 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058035	500	05/11/23 12:18	05/11/23 12:18	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 11:33	05/18/23 11:33	LBR	Mt. Juliet, TN

LCS-5 L1614728-05 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 12:00 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058035	500	05/11/23 12:20	05/11/23 12:20	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 11:42	05/18/23 11:42	LBR	Mt. Juliet, TN

LCS-6 L1614728-06 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 12:30 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058035	500	05/11/23 12:21	05/11/23 12:21	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 11:52	05/18/23 11:52	LBR	Mt. Juliet, TN

LCS-7 L1614728-07 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 13:00 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058036	500	05/11/23 12:42	05/11/23 12:42	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 12:01	05/18/23 12:01	LBR	Mt. Juliet, TN

LCS-8 L1614728-08 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 13:30 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058036	200	05/11/23 12:43	05/11/23 12:43	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 12:30	05/18/23 12:30	LBR	Mt. Juliet, TN

LCS-9 L1614728-09 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 14:00 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058036	200	05/11/23 12:45	05/11/23 12:45	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 12:40	05/18/23 12:40	LBR	Mt. Juliet, TN

LCS-10 L1614728-10 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 14:30 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058036	200	05/11/23 12:46	05/11/23 12:46	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 12:49	05/18/23 12:49	LBR	Mt. Juliet, TN

LCS-11 L1614728-11 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 15:00 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058036	500	05/11/23 12:48	05/11/23 12:48	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 13:28	05/18/23 13:28	LBR	Mt. Juliet, TN

LCS-12 L1614728-12 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 15:30 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058036	200	05/11/23 12:49	05/11/23 12:49	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 13:37	05/18/23 13:37	LBR	Mt. Juliet, TN

LDS-1 L1614728-13 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 10:15 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058036	5	05/11/23 12:51	05/11/23 12:51	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 13:47	05/18/23 13:47	LBR	Mt. Juliet, TN

LDS-2 L1614728-14 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 10:45 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058036	1	05/11/23 12:52	05/11/23 12:52	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	1	05/18/23 13:56	05/18/23 13:56	LBR	Mt. Juliet, TN

LDS-3 L1614728-15 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 11:15 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058036	100	05/11/23 13:01	05/11/23 13:01	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 14:25	05/18/23 14:25	LBR	Mt. Juliet, TN

LDS-4 L1614728-16 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 11:45 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058036	200	05/11/23 13:04	05/11/23 13:04	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 14:34	05/18/23 14:34	LBR	Mt. Juliet, TN

LDS-5 L1614728-17 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 12:15 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058036	500	05/11/23 13:06	05/11/23 13:06	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 14:44	05/18/23 14:44	LBR	Mt. Juliet, TN

LDS-6 L1614728-18 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 12:45 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058036	50	05/11/23 13:07	05/11/23 13:07	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 14:54	05/18/23 14:54	LBR	Mt. Juliet, TN

LDS-7 L1614728-19 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 13:15 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058036	200	05/11/23 13:09	05/11/23 13:09	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	100	05/18/23 15:03	05/18/23 15:03	LBR	Mt. Juliet, TN

LDS-8 L1614728-20 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 13:45 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058036	50	05/11/23 13:10	05/11/23 13:10	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062162	1	05/18/23 15:13	05/18/23 15:13	LBR	Mt. Juliet, TN

LDS-9 L1614728-21 GW

Collected by: Chris Fincher | Collected date/time: 05/09/23 14:15 | Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058036	20	05/11/23 13:12	05/11/23 13:12	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062165	1	05/18/23 15:37	05/18/23 15:37	LBR	Mt. Juliet, TN

SAMPLE SUMMARY

LDS-10 L1614728-22 GW

Collected by: Chris Fincher
Collected date/time: 05/09/23 14:45
Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058036	200	05/11/23 13:18	05/11/23 13:18	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062165	100	05/18/23 15:50	05/18/23 15:50	LBR	Mt. Juliet, TN

LDS-11 L1614728-23 GW

Collected by: Chris Fincher
Collected date/time: 05/09/23 15:15
Received date/time: 05/10/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2058036	500	05/11/23 13:19	05/11/23 13:19	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2062165	100	05/18/23 16:04	05/18/23 16:04	LBR	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.

Stacy Kennedy
Project Manager

Project Comments

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.

Sample Delivery Group (SDG) Narrative

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

Batch	Method	Lab Sample ID
WG2058035	350.1	L1614728-01, 02, 03, 04, 05, 06
WG2058036	350.1	L1614728-07, 08, 09, 10, 11, 12, 15, 16, 17, 18, 22, 23

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2062162	(MS) R3926938-4, (MSD) R3926938-5, L1614728-10	Chloride
WG2062165	(MS) R3928881-7, (MSD) R3928881-8	Chloride

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	9.19	su
Specific Conductance (on site)	17593	umhos/cm
Temperature (on-site)	29.2	Deg. C
Turbidity (on-site)	86.42	NTU
Dissolved Oxygen (on-site)	3.01	mg/l
eH/ORP (On Site)	142.7	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1440		15.8	500	05/11/2023 12:14	WG2058035

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1810		5.19	100	05/18/2023 11:05	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.88	su
Specific Conductance (on site)	14299	umhos/cm
Temperature (on-site)	32.8	Deg. C
Turbidity (on-site)	39.87	NTU
Dissolved Oxygen (on-site)	3.2	mg/l
eH/ORP (On Site)	146.5	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	956		15.8	500	05/11/2023 12:15	WG2058035

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1380		5.19	100	05/18/2023 11:14	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.14	su
Specific Conductance (on site)	10410	umhos/cm
Temperature (on-site)	34.2	Deg. C
Turbidity (on-site)	25.52	NTU
Dissolved Oxygen (on-site)	2.05	mg/l
eH/ORP (On Site)	142.6	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	613		15.8	500	05/11/2023 12:17	WG2058035

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	921		5.19	100	05/18/2023 11:23	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.84	su
Specific Conductance (on site)	19485	umhos/cm
Temperature (on-site)	31.4	Deg. C
Turbidity (on-site)	25.59	NTU
Dissolved Oxygen (on-site)	0.31	mg/l
eH/ORP (On Site)	131.9	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1390		15.8	500	05/11/2023 12:18	WG2058035

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1720		5.19	100	05/18/2023 11:33	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	12.84	su
Specific Conductance (on site)	31447	umhos/cm
Temperature (on-site)	32.5	Deg. C
Turbidity (on-site)	272.4	NTU
Dissolved Oxygen (on-site)	0.52	mg/l
eH/ORP (On Site)	80.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	2610		15.8	500	05/11/2023 12:20	WG2058035

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2850		5.19	100	05/18/2023 11:42	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.48	su
Specific Conductance (on site)	20209	umhos/cm
Temperature (on-site)	35	Deg. C
Turbidity (on-site)	17.92	NTU
Dissolved Oxygen (on-site)	1.52	mg/l
eH/ORP (On Site)	113.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1350		15.8	500	05/11/2023 12:21	WG2058035

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1720		5.19	100	05/18/2023 11:52	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.43	su
Specific Conductance (on site)	21192	umhos/cm
Temperature (on-site)	30.6	Deg. C
Turbidity (on-site)	308.4	NTU
Dissolved Oxygen (on-site)	1.94	mg/l
eH/ORP (On Site)	125.7	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1410		15.8	500	05/11/2023 12:42	WG2058036

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2140		5.19	100	05/18/2023 12:01	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.95	su
Specific Conductance (on site)	11712	umhos/cm
Temperature (on-site)	36.5	Deg. C
Turbidity (on-site)	1056.63	NTU
Dissolved Oxygen (on-site)	2.19	mg/l
eH/ORP (On Site)	131.5	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	723		6.34	200	05/11/2023 12:43	WG2058036

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	917		5.19	100	05/18/2023 12:30	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	9.25	su
Specific Conductance (on site)	18701	umhos/cm
Temperature (on-site)	31.1	Deg. C
Turbidity (on-site)	40.6	NTU
Dissolved Oxygen (on-site)	0.69	mg/l
eH/ORP (On Site)	118.7	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1240		6.34	200	05/11/2023 12:45	WG2058036

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1640		5.19	100	05/18/2023 12:40	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.53	su
Specific Conductance (on site)	23560	umhos/cm
Temperature (on-site)	35.7	Deg. C
Turbidity (on-site)	345.71	NTU
Dissolved Oxygen (on-site)	1.09	mg/l
eH/ORP (On Site)	117.6	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1710		6.34	200	05/11/2023 12:46	WG2058036

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2190	V	5.19	100	05/18/2023 12:49	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	9.98	su
Specific Conductance (on site)	11708	umhos/cm
Temperature (on-site)	33.3	Deg. C
Turbidity (on-site)	1117.41	NTU
Dissolved Oxygen (on-site)	1.78	mg/l
eH/ORP (On Site)	131.6	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1620		15.8	500	05/11/2023 12:48	WG2058036

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1890		5.19	100	05/18/2023 13:28	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	11.19	su
Specific Conductance (on site)	20422	umhos/cm
Temperature (on-site)	27.5	Deg. C
Turbidity (on-site)	24968	NTU
Dissolved Oxygen (on-site)	4.18	mg/l
eH/ORP (On Site)	119.3	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1420		6.34	200	05/11/2023 12:49	WG2058036

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2060		5.19	100	05/18/2023 13:37	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.16	su
Specific Conductance (on site)	6016	umhos/cm
Temperature (on-site)	33.4	Deg. C
Turbidity (on-site)	262.66	NTU
Dissolved Oxygen (on-site)	1.63	mg/l
eH/ORP (On Site)	128.2	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	22.2		0.158	5	05/11/2023 12:51	WG2058036

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	624		5.19	100	05/18/2023 13:47	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.95	su
Specific Conductance (on site)	1385	umhos/cm
Temperature (on-site)	33.7	Deg. C
Turbidity (on-site)	43.93	NTU
Dissolved Oxygen (on-site)	3.73	mg/l
eH/ORP (On Site)	92.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	0.865		0.100	1	05/11/2023 12:52	WG2058036

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	19.9		3.00	1	05/18/2023 13:56	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.05	su
Specific Conductance (on site)	12813	umhos/cm
Temperature (on-site)	36	Deg. C
Turbidity (on-site)	2122.38	NTU
Dissolved Oxygen (on-site)	1.59	mg/l
eH/ORP (On Site)	120.5	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	47.2		3.17	100	05/11/2023 13:01	WG2058036

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1530		5.19	100	05/18/2023 14:25	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.54	su
Specific Conductance (on site)	23777	umhos/cm
Temperature (on-site)	31	Deg. C
Turbidity (on-site)	170.76	NTU
Dissolved Oxygen (on-site)	0.63	mg/l
eH/ORP (On Site)	118.5	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1340		6.34	200	05/11/2023 13:04	WG2058036

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2200		5.19	100	05/18/2023 14:34	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	11.1	su
Specific Conductance (on site)	13870	umhos/cm
Temperature (on-site)	26.8	Deg. C
Turbidity (on-site)	430.18	NTU
Dissolved Oxygen (on-site)	0.57	mg/l
eH/ORP (On Site)	95	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	540		15.8	500	05/11/2023 13:06	WG2058036

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1050		5.19	100	05/18/2023 14:44	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.55	su
Specific Conductance (on site)	15183	umhos/cm
Temperature (on-site)	34.6	Deg. C
Turbidity (on-site)	10.78	NTU
Dissolved Oxygen (on-site)	1.25	mg/l
eH/ORP (On Site)	100.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	227		1.58	50	05/11/2023 13:07	WG2058036

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1630		5.19	100	05/18/2023 14:54	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	9.7	su
Specific Conductance (on site)	6890	umhos/cm
Temperature (on-site)	27.7	Deg. C
Turbidity (on-site)	6.36	NTU
Dissolved Oxygen (on-site)	2.19	mg/l
eH/ORP (On Site)	134.3	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	204		6.34	200	05/11/2023 13:09	WG2058036

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	499		5.19	100	05/18/2023 15:03	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.13	su
Specific Conductance (on site)	2779	umhos/cm
Temperature (on-site)	33.7	Deg. C
Turbidity (on-site)	15.93	NTU
Dissolved Oxygen (on-site)	213	mg/l
eH/ORP (On Site)	94.6	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	12.9		1.58	50	05/11/2023 13:10	WG2058036

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	82.1		3.00	1	05/18/2023 15:13	WG2062162

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.63	su
Specific Conductance (on site)	2045	umhos/cm
Temperature (on-site)	29.1	Deg. C
Turbidity (on-site)	22.45	NTU
Dissolved Oxygen (on-site)	1.95	mg/l
eH/ORP (On Site)	68.7	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	14.3		0.634	20	05/11/2023 13:12	WG2058036

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	47.4		3.00	1	05/18/2023 15:37	WG2062165

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.28	su
Specific Conductance (on site)	22283	umhos/cm
Temperature (on-site)	36	Deg. C
Turbidity (on-site)	62.3	NTU
Dissolved Oxygen (on-site)	0.35	mg/l
eH/ORP (On Site)	102.3	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	573		6.34	200	05/11/2023 13:18	WG2058036

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1730		5.19	100	05/18/2023 15:50	WG2062165

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	9.68	su
Specific Conductance (on site)	17842	umhos/cm
Temperature (on-site)	29.5	Deg. C
Turbidity (on-site)	45.94	NTU
Dissolved Oxygen (on-site)	1.37	mg/l
eH/ORP (On Site)	97.9	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	837		15.8	500	05/11/2023 13:19	WG2058036

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1990		5.19	100	05/18/2023 16:04	WG2062165

Method Blank (MB)

(MB) R3923662-1 05/11/23 11:33

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ammonia Nitrogen	ND		0.0317	0.100

L1614457-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1614457-02 05/11/23 11:45 • (DUP) R3923662-5 05/11/23 11:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	0.613	0.612	1	0.163		10

L1614585-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1614585-03 05/11/23 12:06 • (DUP) R3923662-7 05/11/23 12:12

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

Laboratory Control Sample (LCS)

(LCS) R3923662-2 05/11/23 11:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.29	97.2	90.0-110	

L1614457-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1614457-01 05/11/23 11:41 • (MS) R3923662-3 05/11/23 11:42 • (MSD) R3923662-4 05/11/23 11:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	0.529	5.37	5.50	96.8	99.4	1	90.0-110			2.37	10

L1614585-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1614585-02 05/11/23 12:03 • (MS) R3923662-6 05/11/23 12:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	ND	4.74	94.7	1	90.0-110	

Method Blank (MB)

(MB) R3923667-1 05/11/23 12:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ammonia Nitrogen	ND		0.0317	0.100

L1614728-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1614728-15 05/11/23 13:01 • (DUP) R3923667-5 05/11/23 13:03

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	47.2	47.6	100	0.758		10

L1614736-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1614736-03 05/11/23 13:25 • (DUP) R3923667-7 05/11/23 13:27

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	4.81	4.78	1	0.584		10

Laboratory Control Sample (LCS)

(LCS) R3923667-2 05/11/23 12:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.17	95.6	90.0-110	

L1614728-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1614728-14 05/11/23 12:52 • (MS) R3923667-3 05/11/23 12:58 • (MSD) R3923667-4 05/11/23 13:00

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	0.865	5.55	5.76	93.6	97.9	1	90.0-110			3.82	10

L1614736-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1614736-02 05/11/23 13:22 • (MS) R3923667-6 05/11/23 13:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	4.05	8.91	97.3	1	90.0-110	

QUALITY CONTROL SUMMARY

L1614728-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20

Method Blank (MB)

(MB) R3926938-1 05/18/23 10:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	ND		0.0519	1.00

L1614728-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1614728-10 05/18/23 12:49 • (DUP) R3926938-3 05/18/23 12:59

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	2190	2120	100	3.54		15

L1614728-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1614728-20 05/18/23 15:13 • (DUP) R3926938-6 05/18/23 15:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	82.1	82.1	1	0.0810		15

Laboratory Control Sample (LCS)

(LCS) R3926938-2 05/18/23 10:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.8	96.9	80.0-120	

L1614728-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1614728-10 05/18/23 12:49 • (MS) R3926938-4 05/18/23 13:08 • (MSD) R3926938-5 05/18/23 13:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	2190	2160	2060	0.000	0.000	100	80.0-120	V	V	4.74	15

L1614728-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1614728-20 05/18/23 15:13 • (MS) R3926938-7 05/18/23 15:32

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	82.1	127	89.2	1	80.0-120	

Method Blank (MB)

(MB) R3928881-1 05/18/23 09:53

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Chloride	ND		0.0519	1.00

L1613709-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1613709-01 05/18/23 12:33 • (DUP) R3928881-3 05/18/23 12:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	157	160	1	1.77		15

L1617282-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1617282-02 05/18/23 17:26 • (DUP) R3928881-6 05/18/23 17:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	2610	2590	100	0.693		15

Laboratory Control Sample (LCS)

(LCS) R3928881-2 05/18/23 10:05

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Chloride	40.0	40.3	101	80.0-120	

L1617282-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1617282-02 05/18/23 17:26 • (MS) R3928881-7 05/18/23 17:53 • (MSD) R3928881-8 05/18/23 18:06

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	2610	2560	2550	0.000	0.000	100	80.0-120	V	V	0.679	15

L1613709-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1613709-01 05/18/23 12:33 • (MS) R3928881-9 05/18/23 12:58

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	mg/l	mg/l	mg/l	%		%	
Chloride	50.0	157	202	90.2	1	80.0-120	E

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

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
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
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Pres Chk

Report to:
Jodi Reynolds

Email To:
jeffholmgren@sbcglobal.net;jreyno10@wm.co

Project Description:
Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, De

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project #
300

Lab Project #
WMECOVISAR-00005

Collected by (print):
Chris Fincher

Site/Facility ID #
AR03

P.O. #
11057634

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page 1 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 1614728
D079

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P994341**
PM: **616 - Stacy Kennedy**
PB: 4/21/23 CAM
Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4								Remarks	Sample # (lab only)
LCS-1	Grab	GW	N/A	5.9.23	1000	2	X	X									-01
LCS-2		GW			1030	2	X	X									-02
LCS-3		GW			1100	2	X	X									-03
LCS-4		GW			1130	2	X	X									-04
LCS-5		GW			1200	2	X	X									-05
LCS-6		GW			1230	2	X	X									-06
LCS-7		GW			1300	2	X	X									-07
LCS-8		GW			1330	2	X	X									-08
LCS-9		GW			1400	2	X	X									-09
LCS-10		GW			1430	2	X	X									-10

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other _____

Remarks:Pace project service: Check for multiple coolers upon receipt.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 6295 1086 0383

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	5.9.23	1700			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.2 °C	Bottles Received: 46
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5-10-23	Time: 930

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Pres Chk

Report to:
Jodi Reynolds

Email To:
jeffholmgren@sbcglobal.net;jreyno10@wm.co

Project Description:
Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, De

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project #
300

Lab Project #
WMECOVISAR-00005

Collected by (print):
Chris Finch

Site/Facility ID #
AR03

P.O. #
11057634

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 614728

Table #

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P994341**
PM: **616 - Stacy Kennedy**
PB: 4/21/23 CAM

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4	Remarks	Sample # (lab only)
LCS-11	Grab	GW	N/A	5.9.23	1500	2	X	X		-11
LCS-12		GW			1530	2	X	X		-12
LDS-1		GW			1015	2	X	X		-13
LDS-2		GW			1045	2	X	X		-14
LDS-3		GW			1115	2	X	X		-15
LDS-4		GW			1145	2	X	X		-16
LDS-5		GW			1215	2	X	X		-17
LDS-6		GW			1245	2	X	X		-18
LDS-7		GW			1315	2	X	X		-19
LDS-8		GW			1345	2	X	X		-20

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:Pace project service: Check for multiple coolers upon receipt.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 6295 1086 0383

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	5.9.23	1700			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.2 °C	Bottles Received: 46
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Eri 17	Date: 5-10-23	Time: 900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Pres Chk

Report to:
Jodi Reynolds

Email To:
jeffholmgren@sbcglobal.net;jreyno10@wm.co

Project Description:
Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, De

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project #
300

Lab Project #
WMECOVISAR-00005

Collected by (print):
Chris Fincher

Site/Facility ID #
AR03

P.O. #
11057634

Collected by (signature):
Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4	Remarks	Sample # (lab only)
LDS-9	Grab	GW	N/A	5.9.23	1415	2	X	X		-21
LDS-10		GW			1445	2	X	X		-22
LDS-11		GW			1515	2	X	X		-23
~~LDS-12~~		GW				2	X	X		
~~LGW-2~~		GW				2	X	X		
~~LGW-3R~~		GW				2	X	X		
~~LGW-4~~		GW				2	X	X		
~~LGW-5~~		GW				2	X	X		
~~LGW-6~~		GW				2	X	X		
~~LGW-7~~		GW				2	X	X		

Chain of Custody Page 3 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 1614728

Table #

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P994341**
PM: **616 - Stacy Kennedy**
PB: 4/21/23 CAM
Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:Pace project service: Check for multiple coolers upon receipt.

pH ____ Temp ____
Flow ____ Other ____

Samples returned via:
__ UPS __ FedEx __ Courier ____

Tracking # 6295 1086 0383

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	5.9.23	1700		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.2 °C Bottles Received: 41
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5-10-23 Time: 900
				Hold: Condition: NCF / OK

ANALYTICAL REPORT

April 13, 2023

Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1602378
Samples Received:	04/05/2023
Project Number:	200
Description:	Eco-Vista LF-GW-Apr & Oct
Site:	AR03
Report To:	Jodi Reynolds 88 Joyce Lane Russellville, AR 72801

Entire Report Reviewed By:

Stacy Kennedy
Project Manager

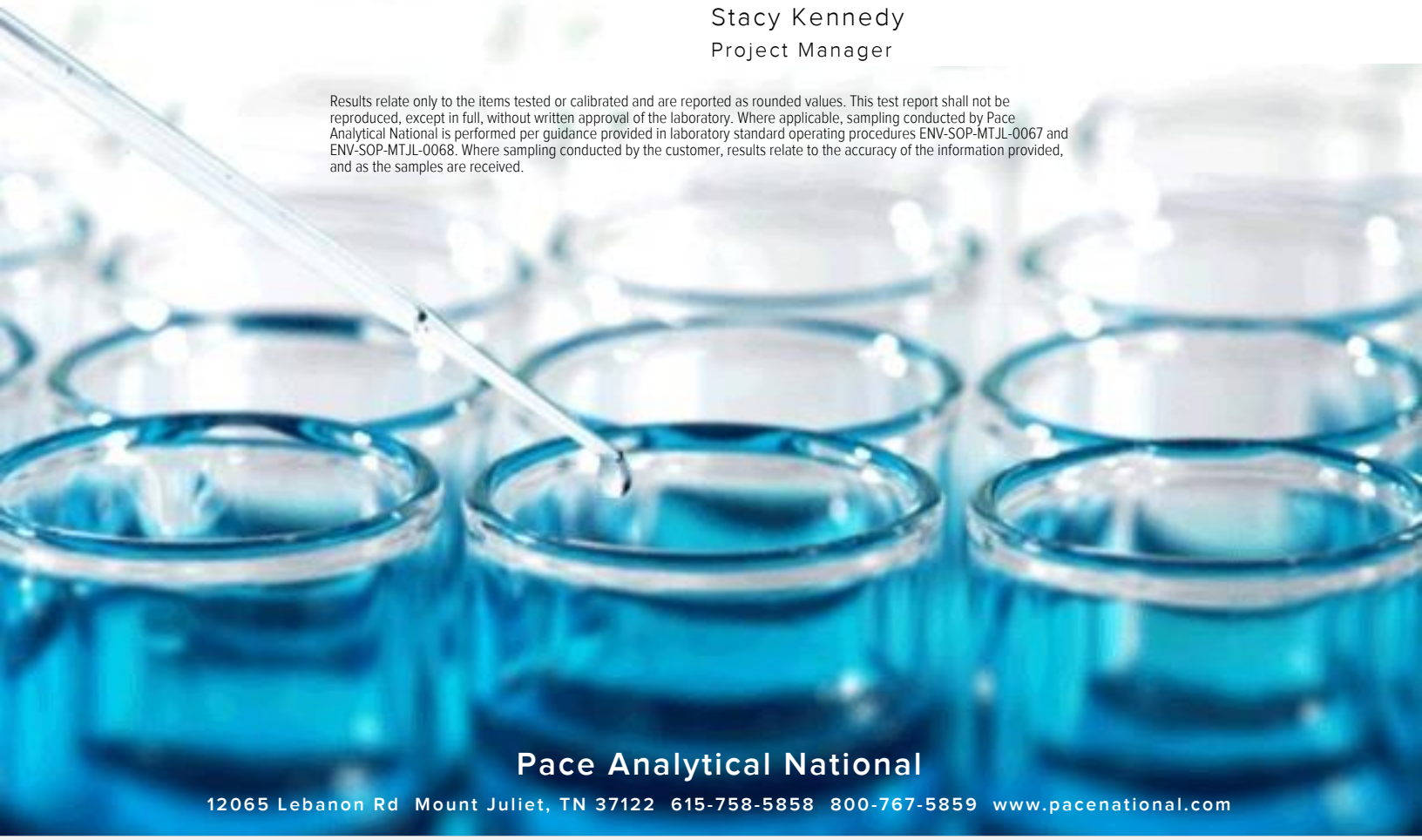


TABLE OF CONTENTS

LDS-1 L1602378-01 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 12:15 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	50	04/06/23 16:03	04/06/23 16:03	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037818	10	04/07/23 13:28	04/07/23 13:28	LBR	Mt. Juliet, TN

LDS-2 L1602378-02 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 12:45 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	1	04/06/23 16:59	04/06/23 16:59	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2038485	1	04/08/23 20:25	04/08/23 20:25	GEB	Mt. Juliet, TN

LDS-3 L1602378-03 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 13:15 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	500	04/06/23 16:14	04/06/23 16:14	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037818	20	04/07/23 13:47	04/07/23 13:47	LBR	Mt. Juliet, TN

LDS-4 L1602378-04 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 13:45 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	500	04/06/23 16:20	04/06/23 16:20	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037818	10	04/07/23 13:56	04/07/23 13:56	LBR	Mt. Juliet, TN

LDS-5 L1602378-05 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 14:15 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	500	04/06/23 16:21	04/06/23 16:21	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037818	20	04/07/23 14:06	04/07/23 14:06	LBR	Mt. Juliet, TN

LDS-6 L1602378-06 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 14:45 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	500	04/06/23 16:23	04/06/23 16:23	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037818	10	04/07/23 14:16	04/07/23 14:16	LBR	Mt. Juliet, TN

LDS-7 L1602378-07 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 15:15 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	500	04/06/23 16:24	04/06/23 16:24	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037818	20	04/07/23 14:25	04/07/23 14:25	LBR	Mt. Juliet, TN

LDS-8 L1602378-08 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 15:45 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	200	04/06/23 17:03	04/06/23 17:03	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037818	10	04/07/23 14:35	04/07/23 14:35	LBR	Mt. Juliet, TN

LDS-9 L1602378-09 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 16:15 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	10	04/06/23 17:05	04/06/23 17:05	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037818	1	04/07/23 14:44	04/07/23 14:44	LBR	Mt. Juliet, TN

LDS-10 L1602378-10 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 16:45 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	10	04/06/23 17:06	04/06/23 17:06	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037818	1	04/07/23 15:13	04/07/23 15:13	LBR	Mt. Juliet, TN

LDS-11 L1602378-11 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 17:15 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	500	04/06/23 16:30	04/06/23 16:30	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037818	10	04/07/23 15:42	04/07/23 15:42	LBR	Mt. Juliet, TN

LCS-1 L1602378-12 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 12:00 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	500	04/06/23 16:32	04/06/23 16:32	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037818	20	04/07/23 15:51	04/07/23 15:51	LBR	Mt. Juliet, TN

LCS-2 L1602378-13 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 12:30 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	500	04/06/23 16:33	04/06/23 16:33	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037818	10	04/07/23 16:01	04/07/23 16:01	LBR	Mt. Juliet, TN

LCS-3 L1602378-14 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 13:00 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	500	04/06/23 16:39	04/06/23 16:39	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037818	20	04/07/23 16:21	04/07/23 16:21	LBR	Mt. Juliet, TN

LCS-4 L1602378-15 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 13:30 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	500	04/06/23 16:41	04/06/23 16:41	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037818	20	04/07/23 16:30	04/07/23 16:30	LBR	Mt. Juliet, TN

LCS-5 L1602378-16 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 14:00 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	500	04/06/23 16:42	04/06/23 16:42	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037822	10	04/07/23 19:50	04/07/23 19:50	LBR	Mt. Juliet, TN

LCS-6 L1602378-17 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 14:30 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	500	04/06/23 16:44	04/06/23 16:44	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037822	10	04/07/23 20:00	04/07/23 20:00	LBR	Mt. Juliet, TN

LCS-7 L1602378-18 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 15:00 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	500	04/06/23 16:45	04/06/23 16:45	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037822	10	04/07/23 20:10	04/07/23 20:10	LBR	Mt. Juliet, TN

LCS-8 L1602378-19 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 15:30 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	500	04/06/23 16:47	04/06/23 16:47	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037822	10	04/07/23 20:19	04/07/23 20:19	LBR	Mt. Juliet, TN

LCS-9 L1602378-20 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 16:00 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2037157	500	04/06/23 16:48	04/06/23 16:48	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037822	10	04/07/23 20:48	04/07/23 20:48	LBR	Mt. Juliet, TN

LCS-10 L1602378-21 GW

Collected by: Chris Fincher | Collected date/time: 04/04/23 16:30 | Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2038676	500	04/09/23 12:48	04/09/23 12:48	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037822	10	04/07/23 20:57	04/07/23 20:57	LBR	Mt. Juliet, TN

LCS-11 L1602378-22 GW

Collected by: Chris Fincher
Collected date/time: 04/04/23 17:00
Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2038676	500	04/09/23 12:49	04/09/23 12:49	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037822	10	04/07/23 21:07	04/07/23 21:07	LBR	Mt. Juliet, TN

LCS-12 L1602378-23 GW

Collected by: Chris Fincher
Collected date/time: 04/04/23 17:30
Received date/time: 04/05/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2038676	500	04/09/23 12:51	04/09/23 12:51	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2037822	10	04/07/23 21:16	04/07/23 21:16	LBR	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.

Stacy Kennedy
Project Manager

Project Comments

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.

Sample Delivery Group (SDG) Narrative

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

Batch	Method	Lab Sample ID
WG2037157	350.1	L1602378-03, 04, 05, 06, 07, 08, 12, 13, 14, 15, 16, 17, 18, 20
WG2038676	350.1	L1602378-21, 22, 23

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2038485	(DUP) R3911097-7	Chloride

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

Batch	Lab Sample ID	Analytes
WG2038485	(MS) R3911097-5, (MSD) R3911097-6	Chloride

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.31	su
Specific Conductance (on site)	4605	umhos/cm
Temperature (on-site)	29.4	Deg. C
Turbidity (on-site)	12.06	NTU
Dissolved Oxygen (on-site)	1.19	mg/l
eH/ORP (On Site)	192.2	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	21.7		1.58	50	04/06/2023 16:03	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	633		3.00	10	04/07/2023 13:28	WG2037818

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.81	su
Specific Conductance (on site)	1370	umhos/cm
Temperature (on-site)	17.3	Deg. C
Turbidity (on-site)	6.15	NTU
Dissolved Oxygen (on-site)	1.71	mg/l
eH/ORP (On Site)	148.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	0.139		0.100	1	04/06/2023 16:59	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	19.2		3.00	1	04/08/2023 20:25	WG2038485

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.85	su
Specific Conductance (on site)	11328	umhos/cm
Temperature (on-site)	27.8	Deg. C
Turbidity (on-site)	30.91	NTU
Dissolved Oxygen (on-site)	2	mg/l
eH/ORP (On Site)	41.5	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	38.9	J	15.8	500	04/06/2023 16:14	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1500		3.00	20	04/07/2023 13:47	WG2037818

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.72	su
Specific Conductance (on site)	20550	umhos/cm
Temperature (on-site)	28.3	Deg. C
Turbidity (on-site)	218.87	NTU
Dissolved Oxygen (on-site)	1.35	mg/l
eH/ORP (On Site)	28.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1520		15.8	500	04/06/2023 16:20	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1730		3.00	10	04/07/2023 13:56	WG2037818

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.75	su
Specific Conductance (on site)	13688	umhos/cm
Temperature (on-site)	23.1	Deg. C
Turbidity (on-site)	325.4	NTU
Dissolved Oxygen (on-site)	0.63	mg/l
eH/ORP (On Site)	-70.9	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1460		15.8	500	04/06/2023 16:21	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2060		3.00	20	04/07/2023 14:06	WG2037818

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.73	su
Specific Conductance (on site)	12942	umhos/cm
Temperature (on-site)	22.9	Deg. C
Turbidity (on-site)	7.84	NTU
Dissolved Oxygen (on-site)	2.52	mg/l
eH/ORP (On Site)	-36.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	658		15.8	500	04/06/2023 16:23	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1110		3.00	10	04/07/2023 14:16	WG2037818

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.87	su
Specific Conductance (on site)	6950	umhos/cm
Temperature (on-site)	23.2	Deg. C
Turbidity (on-site)	8.76	NTU
Dissolved Oxygen (on-site)	2.31	mg/l
eH/ORP (On Site)	-21	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	201		15.8	500	04/06/2023 16:24	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1780		3.00	20	04/07/2023 14:25	WG2037818

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.4	su
Specific Conductance (on site)	1301	umhos/cm
Temperature (on-site)	27.3	Deg. C
Turbidity (on-site)	10.06	NTU
Dissolved Oxygen (on-site)	2.09	mg/l
eH/ORP (On Site)	-15.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	379		6.34	200	04/06/2023 17:03	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	797		3.00	10	04/07/2023 14:35	WG2037818

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.92	su
Specific Conductance (on site)	1685	umhos/cm
Temperature (on-site)	24.7	Deg. C
Turbidity (on-site)	20.48	NTU
Dissolved Oxygen (on-site)	2.63	mg/l
eH/ORP (On Site)	-10	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	17.8		0.317	10	04/06/2023 17:05	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	96.7		3.00	1	04/07/2023 14:44	WG2037818

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.47	su
Specific Conductance (on site)	9671	umhos/cm
Temperature (on-site)	27.4	Deg. C
Turbidity (on-site)	22.36	NTU
Dissolved Oxygen (on-site)	0.92	mg/l
eH/ORP (On Site)	12.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	11.2		0.317	10	04/06/2023 17:06	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	50.7		3.00	1	04/07/2023 15:13	WG2037818

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.81	su
Specific Conductance (on site)	15640	umhos/cm
Temperature (on-site)	26.2	Deg. C
Turbidity (on-site)	91.36	NTU
Dissolved Oxygen (on-site)	0.77	mg/l
eH/ORP (On Site)	18.6	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	706		15.8	500	04/06/2023 16:30	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1250		3.00	10	04/07/2023 15:42	WG2037818

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.94	su
Specific Conductance (on site)	12089	umhos/cm
Temperature (on-site)	29.6	Deg. C
Turbidity (on-site)	17.87	NTU
Dissolved Oxygen (on-site)	0.21	mg/l
eH/ORP (On Site)	205.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	827		15.8	500	04/06/2023 16:32	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1890		3.00	20	04/07/2023 15:51	WG2037818

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.49	su
Specific Conductance (on site)	10353	umhos/cm
Temperature (on-site)	27.4	Deg. C
Turbidity (on-site)	8.9	NTU
Dissolved Oxygen (on-site)	1.78	mg/l
eH/ORP (On Site)	89.8	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1330		15.8	500	04/06/2023 16:33	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1240		3.00	10	04/07/2023 16:01	WG2037818

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.19	su
Specific Conductance (on site)	22289	umhos/cm
Temperature (on-site)	27.6	Deg. C
Turbidity (on-site)	69.8	NTU
Dissolved Oxygen (on-site)	0.43	mg/l
eH/ORP (On Site)	34.9	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	798		15.8	500	04/06/2023 16:39	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1170		3.00	20	04/07/2023 16:21	WG2037818

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	28.3	su
Specific Conductance (on site)	17326	umhos/cm
Temperature (on-site)	28.3	Deg. C
Turbidity (on-site)	67.86	NTU
Dissolved Oxygen (on-site)	0.57	mg/l
eH/ORP (On Site)	48.6	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	2350		15.8	500	04/06/2023 16:41	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2410		3.00	20	04/07/2023 16:30	WG2037818

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

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.69	su
Specific Conductance (on site)	20122	umhos/cm
Temperature (on-site)	24.1	Deg. C
Turbidity (on-site)	51.21	NTU
Dissolved Oxygen (on-site)	0.42	mg/l
eH/ORP (On Site)	3.6	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1760		15.8	500	04/06/2023 16:42	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1980		3.00	10	04/07/2023 19:50	WG2037822

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.71	su
Specific Conductance (on site)	15059	umhos/cm
Temperature (on-site)	26.1	Deg. C
Turbidity (on-site)	77.34	NTU
Dissolved Oxygen (on-site)	3.18	mg/l
eH/ORP (On Site)	-11.8	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1130		15.8	500	04/06/2023 16:44	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1520		3.00	10	04/07/2023 20:00	WG2037822

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.6	su
Specific Conductance (on site)	14087	umhos/cm
Temperature (on-site)	28.8	Deg. C
Turbidity (on-site)	27.34	NTU
Dissolved Oxygen (on-site)	0.71	mg/l
eH/ORP (On Site)	-6.6	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1030		15.8	500	04/06/2023 16:45	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1490		3.00	10	04/07/2023 20:10	WG2037822

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.03	su
Specific Conductance (on site)	7457	umhos/cm
Temperature (on-site)	30.3	Deg. C
Turbidity (on-site)	43.94	NTU
Dissolved Oxygen (on-site)	1.93	mg/l
eH/ORP (On Site)	26.5	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	521		15.8	500	04/06/2023 16:47	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	686		3.00	10	04/07/2023 20:19	WG2037822

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.37	su
Specific Conductance (on site)	13019	umhos/cm
Temperature (on-site)	27.9	Deg. C
Turbidity (on-site)	77.15	NTU
Dissolved Oxygen (on-site)	2.08	mg/l
eH/ORP (On Site)	39.8	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1140		15.8	500	04/06/2023 16:48	WG2037157

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1350		3.00	10	04/07/2023 20:48	WG2037822

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.38	su
Specific Conductance (on site)	15347	umhos/cm
Temperature (on-site)	31.2	Deg. C
Turbidity (on-site)	45.42	NTU
Dissolved Oxygen (on-site)	0.51	mg/l
eH/ORP (On Site)	25	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1120		15.8	500	04/09/2023 12:48	WG2038676

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1630		3.00	10	04/07/2023 20:57	WG2037822

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.62	su
Specific Conductance (on site)	14690	umhos/cm
Temperature (on-site)	30.1	Deg. C
Turbidity (on-site)	57.75	NTU
Dissolved Oxygen (on-site)	2.25	mg/l
eH/ORP (On Site)	18.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	912		15.8	500	04/09/2023 12:49	WG2038676

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1080		3.00	10	04/07/2023 21:07	WG2037822

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.43	su
Specific Conductance (on site)	13246	umhos/cm
Temperature (on-site)	29.8	Deg. C
Turbidity (on-site)	35.71	NTU
Dissolved Oxygen (on-site)	0.38	mg/l
eH/ORP (On Site)	27.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1020		15.8	500	04/09/2023 12:51	WG2038676

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1340		3.00	10	04/07/2023 21:16	WG2037822

Method Blank (MB)

(MB) R3910337-1 04/06/23 16:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ammonia Nitrogen	ND		0.0317	0.100

L1602378-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1602378-01 04/06/23 16:03 • (DUP) R3910337-3 04/06/23 16:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	21.7	21.3	50	1.91		10

L1602378-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1602378-02 04/06/23 16:59 • (DUP) R3910337-12 04/06/23 17:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	0.139	0.140	1	0.717		10

Laboratory Control Sample (LCS)

(LCS) R3910337-2 04/06/23 16:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	8.11	108	90.0-110	

L1602378-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1602378-01 04/06/23 16:03 • (MS) R3910337-4 04/06/23 16:06 • (MSD) R3910337-5 04/06/23 16:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	250	21.7	276	277	102	102	50	90.0-110			0.500	10

L1602378-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1602378-02 04/06/23 16:59 • (MS) R3910337-13 04/06/23 17:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	0.139	4.98	96.8	1	90.0-110	

Method Blank (MB)

(MB) R3911072-1 04/09/23 12:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ammonia Nitrogen	ND		0.0317	0.100

L1602623-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1602623-05 04/09/23 13:15 • (DUP) R3911072-5 04/09/23 13:16

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

L1602698-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1602698-07 04/09/23 13:31 • (DUP) R3911072-7 04/09/23 13:33

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

Laboratory Control Sample (LCS)

(LCS) R3911072-2 04/09/23 12:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.29	97.3	90.0-110	

L1602575-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1602575-02 04/09/23 13:10 • (MS) R3911072-3 04/09/23 13:12 • (MSD) R3911072-4 04/09/23 13:13

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	0.105	5.20	5.42	104	108	1	90.0-110			4.18	10

L1602698-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1602698-06 04/09/23 13:28 • (MS) R3911072-6 04/09/23 13:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	0.159	5.25	102	1	90.0-110	

Method Blank (MB)

(MB) R3910942-1 04/07/23 10:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.174		0.0519	1.00

L1602093-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1602093-04 04/07/23 12:01 • (DUP) R3910942-3 04/07/23 12:11

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	21.0	21.0	1	0.0861		15

L1602378-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1602378-10 04/07/23 15:13 • (DUP) R3910942-6 04/07/23 15:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	50.7	50.7	1	0.0156		15

Laboratory Control Sample (LCS)

(LCS) R3910942-2 04/07/23 10:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.0	99.9	80.0-120	

L1602093-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1602093-04 04/07/23 12:01 • (MS) R3910942-4 04/07/23 12:20 • (MSD) R3910942-5 04/07/23 12:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	21.0	70.1	69.7	98.1	97.4	1	80.0-120			0.531	15

L1602378-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1602378-10 04/07/23 15:13 • (MS) R3910942-7 04/07/23 15:32

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	50.7	98.0	94.5	1	80.0-120	

Method Blank (MB)

(MB) R3910941-1 04/07/23 16:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.165		0.0519	1.00

L1602349-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1602349-08 04/07/23 17:17 • (DUP) R3910941-3 04/07/23 17:27

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	85.5	85.7	1	0.178		15

L1602349-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1602349-09 04/07/23 21:26 • (DUP) R3910941-6 04/07/23 21:36

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	57.5	57.5	1	0.00348		15

Laboratory Control Sample (LCS)

(LCS) R3910941-2 04/07/23 17:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.0	99.9	80.0-120	

L1602349-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1602349-08 04/07/23 17:17 • (MS) R3910941-4 04/07/23 17:37 • (MSD) R3910941-5 04/07/23 17:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	85.5	131	126	90.9	82.0	1	80.0-120			3.48	15

L1602349-09 Original Sample (OS) • Matrix Spike (MS)

(OS) L1602349-09 04/07/23 21:26 • (MS) R3910941-7 04/07/23 21:45

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	57.5	104	92.8	1	80.0-120	

Method Blank (MB)

(MB) R3911097-1 04/08/23 16:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.106		0.0519	1.00

L1602690-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1602690-04 04/08/23 18:08 • (DUP) R3911097-3 04/08/23 18:36

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	991	998	5	0.719		15

L1602690-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1602690-13 04/09/23 10:01 • (DUP) R3911097-7 04/09/23 10:14

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	ND	ND	1	200	P1	15

Laboratory Control Sample (LCS)

(LCS) R3911097-2 04/08/23 16:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.8	96.9	80.0-120	

L1602690-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1602690-04 04/08/23 18:08 • (MS) R3911097-5 04/08/23 19:03 • (MSD) R3911097-6 04/08/23 19:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	991	987	994	0.000	6.13	5	80.0-120	V	V	0.712	15

L1602690-13 Original Sample (OS) • Matrix Spike (MS)

(OS) L1602690-13 04/09/23 10:01 • (MS) R3911097-8 04/09/23 10:28

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	ND	49.8	98.8	1	80.0-120	

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

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
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
J	The identification of the analyte is acceptable; the reported value is an estimate.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
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.

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Report to: **Jodi Reynolds**

Email To: jeffholmgren@sbcglobal.net;jreyno10@wm.co

Project Description: **Eco-Vista LF-GW-Apr & Oct**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project # **200**

Lab Project # **WMECOVISAR-00020**

Collected by (print): Chris Fincher

Site/Facility ID # **AR03**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	CHLORIDE,SULFATE 125mlHDPE-NoPres	Metals 250mlHDPE-HNO3	NH3 250mlHDPE-H2SO4	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	V8260LL 40mlAmb-HCl	V8260LL 40mlAmb-HCl-Blk			Remarks	Sample # (lab only)
LDS-1	Grab	GW	N/A	4.4.23	1215	2	X			X								-01
LDS-2		GW			1245	2	X			X								-02
LDS-3		GW			1315	2	X			X								-03
LDS-4		GW			1345	2	X			X								-04
LDS-5		GW			1415	2	X			X								-05
LDS-6		GW			1445	2	X			X								-06
LDS-7		GW			1515	2	X			X								-07
LDS-8		GW			1545	2	X			X								-08
LDS-9		GW			1615	2	X			X								-09
LDS-10		GW			1645	2	X			X								-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 4337 2237 7260

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4.4.23	1830	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: NSA °C Bottles Received:
1.8+0=1.8 46

Date: 4.5.23 Time: 0900

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Chain of Custody Page 1 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1602378
C210

Acctnum: WMECOVISAR
Template: T225843
Prelogin: P986151
PM: 616 - Stacy Kennedy
PB: BF 3/14/23
Shipped Via: FedEX Ground

7

Chain of Custody Page 2 of 3

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Report to: **Jodi Reynolds**

Email To: **jeffholmgren@sbcglobal.net;jreyno10@wm.co**

Project Description: **Eco-Vista LF-GW-Apr & Oct**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project # **200**

Lab Project # **WMECOVISAR-00020**

Collected by (print): Chris Finder

Site/Facility ID # **AR03**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	CHLORIDE,SULFATE 125mlHDPE-NoPres	Metals 250mlHDPE-HNO3	NH3 250mlHDPE-H2SO4	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	V8260LL 40mlAmb-HCl	V8260LL 40mlAmb-HCl-Blk			Remarks	Sample # (lab only)
LDS-11	Grab	GW	N/A	4.4.23	1715	2	X			X								-11
~~LDS-12~~		GW				2	X			X								
LCS-1	Grab	GW	N/A	4.4.23	1200	2	X			X								-12
LCS-2		GW			1230	2	X			X								-13
LCS-3		GW			1300	2	X			X								-14
LCS-4		GW			1330	2	X			X								-15
LCS-5		GW			1400	2	X			X								-16
LCS-6		GW			1430	2	X			X								-17
LCS-7		GW			1500	2	X			X								-18
LCS-8		GW			1530	2	X			X								-19

Immediately Packed on Ice N ___ Y X

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ___

Remarks:

pH ___ Temp ___

Flow ___ Other ___

Samples returned via: __ UPS __ FedEx __ Courier ___

Tracking # 6033 7223 7020

Relinquished by : (Signature) — Date: 4.4.23 — Time: 1830

Received by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Relinquished by : (Signature) — Date: — Time:

Received by: (Signature)

Temp: NSA °C Bottles Received: 46
4.8+0=4.8

If preservation required by Login: Date/Time

Relinquished by : (Signature) — Date: — Time:

Received for lab by: (Signature) (7)

Date: 4.5.23 Time: 0900

Hold:

Condition: NCF / OK

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

PACE PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1602378

Table #

Acctnum: **WMECOVISAR**
Template: **T225843**
Prelogin: **P986151**
PM: **616 - Stacy Kennedy**
PB: BF 3/14/23

Shipped Via: **FedEX Ground**

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Report to: **Jodi Reynolds**

Email To: **jeffholmgren@sbcglobal.net;jreyno10@wm.co**

Project Description: **Eco-Vista LF-GW-Apr & Oct**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project # **200**

Lab Project # **WMECOVISAR-00020**

Collected by (print): Chris Fowler

Site/Facility ID # **AR03**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	CHLORIDE,SULFATE 125mlHDPE-NoPres	Metals 250mlHDPE-HNO3	NH3 250mlHDPE-H2SO4	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	V8260LL 40mlAmb-HCl	V8260LL 40mlAmb-HCl-Blk			Remarks	Sample # (lab only)
LCS-9	Grab	GW	N/A	4.4.23	1600	2	X			X								-20
LCS-10	↓	GW	↓	↓	1630	2	X			X								-21
LCS-11		GW			1700	2	X			X								-22
LCS-12		GW			1730	2	X			X								-23
DUP		GW				8		X	X	X	X	X	X					
DUP2		GW				8		X	X	X	X	X	X					
LGW-2		GW				2	X			X								
LGW-3R		GW				2	X			X								
LGW-4		GW				4	X		X	X	X							
LGW-5		GW				3	X			X		X						

Chain of Custody Page 3 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1602378

Table #

Acctnum: **WMECOVISAR**
Template: **T225843**
Prelogin: **P986151**
PM: **616 - Stacy Kennedy**
PB: Bf 3/14/23

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 6637 2237 7620

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Chris Fowler	4.4.23	1830			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: NSAT °C Bottles Received: 1.8+0=1.8 46	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4.5.23 Time: 0900	Hold: / Condition: NCF / OK

ANALYTICAL REPORT

April 17, 2023

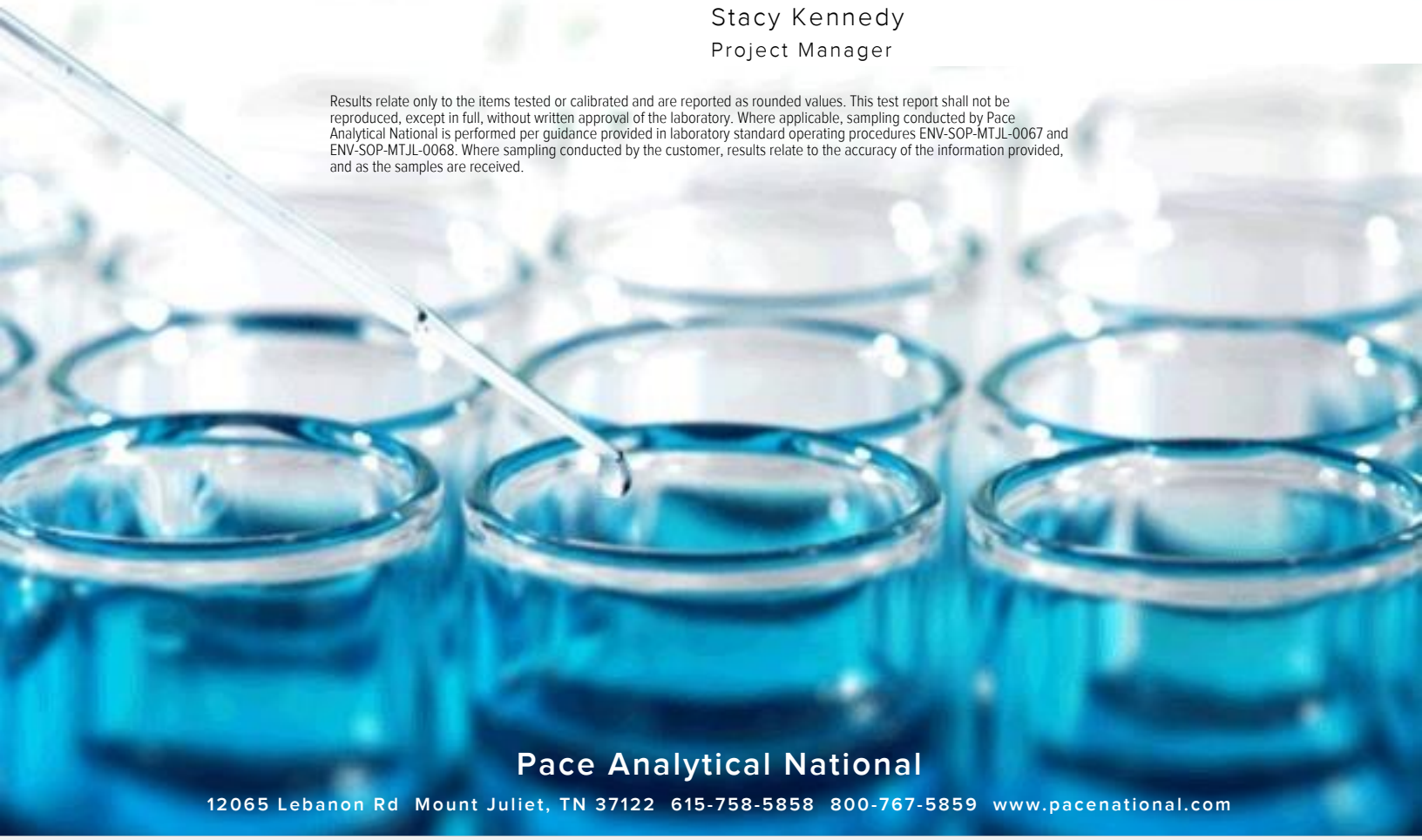
Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1603505
Samples Received:	04/08/2023
Project Number:	200
Description:	Eco-Vista LF-GW-Apr & Oct
Site:	AR03
Report To:	Jodi Reynolds 88 Joyce Lane Russellville, AR 72801

Entire Report Reviewed By:

Stacy Kennedy
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 www.pacenational.com

TABLE OF CONTENTS

LGW-6 L1603505-02 GW

Collected by: Chris Fincher | Collected date/time: 04/06/23 13:05 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2040629	1	04/13/23 21:55	04/14/23 05:35	AS	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2040432	1	04/12/23 12:51	04/12/23 12:51	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040877	1	04/12/23 21:45	04/12/23 21:45	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2039584	1	04/12/23 05:22	04/12/23 05:22	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039058	1	04/12/23 11:02	04/13/23 02:08	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039058	5	04/12/23 11:02	04/13/23 16:10	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039065	1	04/11/23 17:31	04/11/23 20:31	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2039419	1	04/11/23 03:54	04/11/23 03:54	JAH	Mt. Juliet, TN

LGW-7 L1603505-03 GW

Collected by: Chris Fincher | Collected date/time: 04/06/23 13:55 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2040432	1	04/12/23 12:53	04/12/23 12:53	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040877	1	04/12/23 23:20	04/12/23 23:20	GEB	Mt. Juliet, TN

LGW-8R L1603505-04 GW

Collected by: Chris Fincher | Collected date/time: 04/06/23 14:35 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2040432	1	04/12/23 12:57	04/12/23 12:57	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040877	1	04/12/23 23:36	04/12/23 23:36	GEB	Mt. Juliet, TN

LGW-9 L1603505-05 GW

Collected by: Chris Fincher | Collected date/time: 04/05/23 15:15 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2039715	1	04/11/23 17:15	04/12/23 01:05	AS	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2040432	1	04/12/23 13:00	04/12/23 13:00	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040877	1	04/12/23 23:52	04/12/23 23:52	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2039584	1	04/12/23 06:51	04/12/23 06:51	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039058	1	04/12/23 11:02	04/13/23 02:11	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039065	1	04/11/23 17:31	04/11/23 21:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2039419	1	04/11/23 04:15	04/11/23 04:15	JAH	Mt. Juliet, TN

FB L1603505-06 GW

Collected by: Chris Fincher | Collected date/time: 04/05/23 08:35 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2039715	1	04/11/23 17:15	04/12/23 01:05	AS	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2040432	1	04/12/23 13:06	04/12/23 13:06	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040877	1	04/13/23 00:08	04/13/23 00:08	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2039584	1	04/12/23 07:08	04/12/23 07:08	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039058	1	04/12/23 11:02	04/13/23 02:14	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039065	1	04/11/23 17:31	04/11/23 21:19	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2039419	1	04/11/23 02:50	04/11/23 02:50	JAH	Mt. Juliet, TN

LGW-14R L1603505-07 GW

Collected by: Chris Fincher | Collected date/time: 04/05/23 16:55 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2040432	1	04/12/23 13:08	04/12/23 13:08	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040877	1	04/13/23 00:24	04/13/23 00:24	GEB	Mt. Juliet, TN

MW-7N L1603505-08 GW

Collected by: Chris Fincher | Collected date/time: 04/05/23 14:35 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2040432	1	04/12/23 13:09	04/12/23 13:09	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040877	1	04/13/23 00:40	04/13/23 00:40	GEB	Mt. Juliet, TN

MW-15 L1603505-09 GW

Collected by: Chris Fincher | Collected date/time: 04/05/23 17:40 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2040432	1	04/12/23 13:11	04/12/23 13:11	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040877	1	04/13/23 00:56	04/13/23 00:56	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2039584	1	04/12/23 07:34	04/12/23 07:34	LOH	Mt. Juliet, TN

MW-16 L1603505-10 GW

Collected by: Chris Fincher | Collected date/time: 04/05/23 18:20 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2040432	1	04/12/23 13:12	04/12/23 13:12	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040877	1	04/13/23 01:12	04/13/23 01:12	GEB	Mt. Juliet, TN

MW-17 L1603505-11 GW

Collected by: Chris Fincher | Collected date/time: 04/05/23 10:55 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2040432	1	04/12/23 13:14	04/12/23 13:14	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040877	1	04/13/23 01:28	04/13/23 01:28	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2039584	1	04/12/23 07:51	04/12/23 07:51	LOH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039065	1	04/11/23 17:31	04/11/23 21:23	LD	Mt. Juliet, TN

MW-19 L1603505-12 GW

Collected by: Chris Fincher | Collected date/time: 04/06/23 16:15 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2040432	1	04/12/23 13:15	04/12/23 13:15	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040877	1	04/13/23 02:15	04/13/23 02:15	GEB	Mt. Juliet, TN

NE-1 L1603505-13 GW

Collected by: Chris Fincher | Collected date/time: 04/07/23 09:45 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2040637	1	04/13/23 11:04	04/14/23 01:43	AS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/13/23 22:36	04/13/23 22:36	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2039584	1	04/12/23 08:09	04/12/23 08:09	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039058	1	04/12/23 11:02	04/13/23 02:17	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039065	1	04/11/23 17:31	04/11/23 21:26	LD	Mt. Juliet, TN

NE-1 L1603505-13 GW

Collected by: Chris Fincher | Collected date/time: 04/07/23 09:45 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2039419	1	04/11/23 04:36	04/11/23 04:36	JAH	Mt. Juliet, TN

NE-15D L1603505-14 GW

Collected by: Chris Fincher | Collected date/time: 04/06/23 18:10 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2040629	1	04/13/23 21:55	04/14/23 05:35	AS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/13/23 23:39	04/13/23 23:39	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2039584	1	04/12/23 08:27	04/12/23 08:27	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039058	1	04/12/23 11:02	04/13/23 02:19	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039065	1	04/11/23 17:31	04/11/23 21:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2039419	1	04/11/23 04:57	04/11/23 04:57	JAH	Mt. Juliet, TN

NE-4 L1603505-15 GW

Collected by: Chris Fincher | Collected date/time: 04/06/23 15:25 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2040629	1	04/13/23 21:55	04/14/23 05:35	AS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/13/23 23:55	04/13/23 23:55	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2039584	1	04/12/23 08:51	04/12/23 08:51	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039058	1	04/12/23 11:02	04/13/23 02:27	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039065	1	04/11/23 17:31	04/11/23 21:33	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2039419	1	04/11/23 05:18	04/11/23 05:18	JAH	Mt. Juliet, TN

NE-5 L1603505-16 GW

Collected by: Chris Fincher | Collected date/time: 04/07/23 11:50 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2040629	1	04/13/23 21:55	04/14/23 05:35	AS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/14/23 00:43	04/14/23 00:43	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2039584	1	04/12/23 09:16	04/12/23 09:16	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039058	1	04/12/23 11:02	04/13/23 02:30	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039065	1	04/11/23 17:31	04/11/23 21:36	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2039419	1	04/11/23 05:40	04/11/23 05:40	JAH	Mt. Juliet, TN

NE-5E L1603505-17 GW

Collected by: Chris Fincher | Collected date/time: 04/07/23 12:50 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2040629	1	04/13/23 21:55	04/14/23 05:35	AS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/14/23 00:59	04/14/23 00:59	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2040229	1	04/12/23 17:25	04/12/23 17:25	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039058	1	04/12/23 11:02	04/13/23 02:33	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039065	1	04/11/23 17:31	04/11/23 21:39	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2039419	1	04/11/23 06:01	04/11/23 06:01	JAH	Mt. Juliet, TN

NE-5W L1603505-18 GW

Collected by: Chris Fincher | Collected date/time: 04/07/23 11:10 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2040629	1	04/13/23 21:55	04/14/23 05:35	AS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/14/23 01:15	04/14/23 01:15	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2040229	1	04/12/23 18:38	04/12/23 18:38	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039058	1	04/12/23 11:02	04/13/23 02:35	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039065	1	04/11/23 17:31	04/11/23 21:43	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2039419	1	04/11/23 06:22	04/11/23 06:22	JAH	Mt. Juliet, TN

NE-6D L1603505-19 GW

Collected by: Chris Fincher | Collected date/time: 04/07/23 10:25 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2040629	1	04/13/23 21:55	04/14/23 05:35	AS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/14/23 01:31	04/14/23 01:31	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2040229	1	04/12/23 19:18	04/12/23 19:18	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039058	1	04/12/23 11:02	04/13/23 02:38	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039065	1	04/11/23 17:31	04/11/23 22:02	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2039419	1	04/11/23 06:43	04/11/23 06:43	JAH	Mt. Juliet, TN

NE-14S L1603505-20 GW

Collected by: Chris Fincher | Collected date/time: 04/06/23 17:30 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2040637	1	04/13/23 11:04	04/14/23 01:43	AS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/14/23 01:47	04/14/23 01:47	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2040229	1	04/12/23 19:36	04/12/23 19:36	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039061	1	04/12/23 17:03	04/13/23 02:16	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039065	1	04/11/23 17:31	04/11/23 22:06	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2039419	1	04/11/23 07:05	04/11/23 07:05	JAH	Mt. Juliet, TN

NE-14D L1603505-21 GW

Collected by: Chris Fincher | Collected date/time: 04/06/23 16:50 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2040637	1	04/13/23 11:04	04/14/23 01:43	AS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/14/23 02:02	04/14/23 02:02	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2040229	1	04/12/23 19:54	04/12/23 19:54	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039061	1	04/12/23 17:03	04/13/23 02:19	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039065	1	04/11/23 17:31	04/11/23 22:09	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2039419	1	04/11/23 07:26	04/11/23 07:26	JAH	Mt. Juliet, TN

TRIPBLANK L1603505-22 GW

Collected by: Chris Fincher | Collected date/time: 04/05/23 00:00 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2041307	1	04/13/23 11:37	04/13/23 11:37	ADM	Mt. Juliet, TN

NE-2 L1603505-23 GW

Collected by: Chris Fincher | Collected date/time: 04/05/23 09:00 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2039715	1	04/11/23 17:15	04/12/23 01:05	AS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/14/23 02:18	04/14/23 02:18	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2040229	1	04/12/23 20:16	04/12/23 20:16	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039061	1	04/12/23 17:03	04/13/23 02:22	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039065	1	04/11/23 17:31	04/11/23 22:12	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2039419	1	04/11/23 07:46	04/11/23 07:46	JAH	Mt. Juliet, TN

NE-10D L1603505-24 GW

Collected by: Chris Fincher | Collected date/time: 04/06/23 12:30 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2040637	1	04/13/23 11:04	04/14/23 01:43	AS	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/14/23 02:34	04/14/23 02:34	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2040229	1	04/12/23 21:20	04/12/23 21:20	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039061	1	04/12/23 17:03	04/13/23 02:25	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039065	1	04/11/23 17:31	04/11/23 22:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2039419	1	04/11/23 08:08	04/11/23 08:08	JAH	Mt. Juliet, TN

LGW-2 L1603505-25 GW

Collected by: Chris Fincher | Collected date/time: 04/06/23 10:00 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2040432	1	04/12/23 13:17	04/12/23 13:17	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/14/23 02:50	04/14/23 02:50	LBR	Mt. Juliet, TN

LGW-3R L1603505-26 GW

Collected by: Chris Fincher | Collected date/time: 04/06/23 10:50 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2042825	1	04/16/23 10:56	04/16/23 10:56	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/14/23 03:06	04/14/23 03:06	LBR	Mt. Juliet, TN

LGW-4 L1603505-27 GW

Collected by: Chris Fincher | Collected date/time: 04/06/23 11:35 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2040637	1	04/13/23 11:04	04/14/23 01:43	AS	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2042825	1	04/16/23 11:00	04/16/23 11:00	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/14/23 03:54	04/14/23 03:54	LBR	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2042205	1	04/16/23 14:38	04/16/23 17:39	LD	Mt. Juliet, TN

LGW-5 L1603505-28 GW

Collected by: Chris Fincher | Collected date/time: 04/06/23 12:20 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2040432	1	04/12/23 13:18	04/12/23 13:18	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/14/23 04:10	04/14/23 04:10	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2040229	1	04/12/23 21:40	04/12/23 21:40	LOH	Mt. Juliet, TN

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

LGW-10 L1603505-29 GW

Collected by: Chris Fincher | Collected date/time: 04/05/23 16:10 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2039715	1	04/11/23 17:15	04/12/23 01:05	AS	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2040432	1	04/12/23 13:26	04/12/23 13:26	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/14/23 04:26	04/14/23 04:26	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2040229	1	04/12/23 22:00	04/12/23 22:00	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039061	1	04/12/23 17:03	04/13/23 02:45	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039068	1	04/14/23 07:30	04/14/23 12:50	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2042205	1	04/16/23 14:38	04/16/23 17:43	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2039419	1	04/11/23 08:29	04/11/23 08:29	JAH	Mt. Juliet, TN

DUP-1 L1603505-30 GW

Collected by: Chris Fincher | Collected date/time: 04/05/23 07:00 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2040637	1	04/13/23 11:04	04/14/23 01:43	AS	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2040432	1	04/12/23 13:29	04/12/23 13:29	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/14/23 04:42	04/14/23 04:42	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2040229	1	04/12/23 22:22	04/12/23 22:22	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039061	1	04/12/23 17:03	04/13/23 02:48	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039068	1	04/14/23 07:30	04/14/23 13:00	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2042205	1	04/16/23 14:38	04/16/23 17:46	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2039419	1	04/11/23 08:50	04/11/23 08:50	JAH	Mt. Juliet, TN

DUP-2 L1603505-31 GW

Collected by: Chris Fincher | Collected date/time: 04/06/23 07:00 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2040637	1	04/13/23 11:04	04/14/23 01:43	AS	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2040432	1	04/12/23 13:31	04/12/23 13:31	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2040981	1	04/14/23 04:58	04/14/23 04:58	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2040229	1	04/12/23 22:41	04/12/23 22:41	LOH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039061	1	04/12/23 17:03	04/13/23 02:51	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2039061	5	04/12/23 17:03	04/13/23 16:07	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2039068	1	04/14/23 07:30	04/14/23 13:04	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2042205	1	04/16/23 14:38	04/16/23 17:57	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2039419	1	04/11/23 09:11	04/11/23 09:11	JAH	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.

Stacy Kennedy
Project Manager

Project Comments

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.

Sample Delivery Group (SDG) Narrative

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

Batch	Method	Lab Sample ID
WG2040229	9060A	L1603505-31

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.25	su
Specific Conductance (on site)	780	umhos/cm
Temperature (on-site)	16.3	Deg. C
Turbidity (on-site)	10.1	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	161.2	mV
Depth to water (DTW) (FROM TOC)	49.68	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	391		10.0	1	04/14/2023 05:35	WG2040629

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	04/12/2023 12:51	WG2040432

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	14.1		3.00	1	04/12/2023 21:45	WG2040877
Sulfate	ND		5.00	1	04/12/2023 21:45	WG2040877

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	04/12/2023 05:22	WG2039584

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/13/2023 02:08	WG2039058
Barium,Total Recoverable	0.204		0.00500	1	04/13/2023 02:08	WG2039058
Iron, Total Recoverable	1.41		0.0600	1	04/13/2023 02:08	WG2039058
Manganese,Total Recoverable	38.4		0.00600	5	04/13/2023 16:10	WG2039058
Lead, Total Recoverable	ND		0.00500	1	04/13/2023 02:08	WG2039058
Selenium, Total Recoverable	ND		0.0100	1	04/13/2023 02:08	WG2039058

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/11/2023 20:31	WG2039065
Beryllium, Total Recoverable	ND		0.00100	1	04/11/2023 20:31	WG2039065
Cadmium, Total Recoverable	0.00188		0.00100	1	04/11/2023 20:31	WG2039065
Cobalt,Total Recoverable	0.0250		0.00300	1	04/11/2023 20:31	WG2039065
Chromium, Total Recoverable	ND		0.00300	1	04/11/2023 20:31	WG2039065
Copper, Total Recoverable	ND		0.00400	1	04/11/2023 20:31	WG2039065
Nickel, Total Recoverable	0.163		0.00400	1	04/11/2023 20:31	WG2039065
Antimony, Total Recoverable	ND		0.00200	1	04/11/2023 20:31	WG2039065
Thallium, Total Recoverable	ND		0.00100	1	04/11/2023 20:31	WG2039065
Vanadium,Total Recoverable	ND		0.00300	1	04/11/2023 20:31	WG2039065
Zinc, Total Recoverable	0.155		0.00500	1	04/11/2023 20:31	WG2039065

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/11/2023 03:54	WG2039419
1,1,1-Trichloroethane	ND		1.00	1	04/11/2023 03:54	WG2039419
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/11/2023 03:54	WG2039419
1,1,2-Trichloroethane	ND		1.00	1	04/11/2023 03:54	WG2039419
1,1-Dichloroethane	ND		1.00	1	04/11/2023 03:54	WG2039419
1,1-Dichloroethene	ND		1.00	1	04/11/2023 03:54	WG2039419
1,2,3-Trichloropropane	ND		1.00	1	04/11/2023 03:54	WG2039419
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/11/2023 03:54	WG2039419
1,2-Dibromoethane	ND		1.00	1	04/11/2023 03:54	WG2039419
1,2-Dichlorobenzene	ND		1.00	1	04/11/2023 03:54	WG2039419
1,2-Dichloroethane	ND		1.00	1	04/11/2023 03:54	WG2039419
1,2-Dichloropropane	ND		1.00	1	04/11/2023 03:54	WG2039419
1,4-Dichlorobenzene	ND		1.00	1	04/11/2023 03:54	WG2039419
2-Butanone (MEK)	ND		5.00	1	04/11/2023 03:54	WG2039419
2-Hexanone	ND		5.00	1	04/11/2023 03:54	WG2039419
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/11/2023 03:54	WG2039419
Acetone	ND		10.0	1	04/11/2023 03:54	WG2039419
Acrylonitrile	ND		20.0	1	04/11/2023 03:54	WG2039419
Benzene	ND		1.00	1	04/11/2023 03:54	WG2039419
Bromochloromethane	ND		1.00	1	04/11/2023 03:54	WG2039419
Bromodichloromethane	ND		1.00	1	04/11/2023 03:54	WG2039419
Bromoform	ND		1.00	1	04/11/2023 03:54	WG2039419
Bromomethane	ND		1.00	1	04/11/2023 03:54	WG2039419
Carbon disulfide	ND		1.00	1	04/11/2023 03:54	WG2039419
Carbon tetrachloride	ND		1.00	1	04/11/2023 03:54	WG2039419
Chlorobenzene	ND		1.00	1	04/11/2023 03:54	WG2039419
Chloroethane	ND		1.00	1	04/11/2023 03:54	WG2039419
Chloroform	ND		1.00	1	04/11/2023 03:54	WG2039419
Chloromethane	ND		1.00	1	04/11/2023 03:54	WG2039419
Dibromochloromethane	ND		1.00	1	04/11/2023 03:54	WG2039419
Dibromomethane	ND		1.00	1	04/11/2023 03:54	WG2039419
Ethylbenzene	ND		1.00	1	04/11/2023 03:54	WG2039419
Iodomethane	ND		1.00	1	04/11/2023 03:54	WG2039419
Methylene Chloride	ND		1.07	1	04/11/2023 03:54	WG2039419
Styrene	ND		1.00	1	04/11/2023 03:54	WG2039419
Tetrachloroethene	ND		1.00	1	04/11/2023 03:54	WG2039419
Toluene	ND		1.00	1	04/11/2023 03:54	WG2039419
Trichloroethene	ND		1.00	1	04/11/2023 03:54	WG2039419
Trichlorofluoromethane	ND		1.00	1	04/11/2023 03:54	WG2039419
Vinyl acetate	ND		5.00	1	04/11/2023 03:54	WG2039419
Vinyl chloride	ND		1.00	1	04/11/2023 03:54	WG2039419
Xylenes, Total	ND		1.00	1	04/11/2023 03:54	WG2039419
cis-1,2-Dichloroethene	ND		1.00	1	04/11/2023 03:54	WG2039419
cis-1,3-Dichloropropene	ND		1.00	1	04/11/2023 03:54	WG2039419
trans-1,2-Dichloroethene	ND		1.00	1	04/11/2023 03:54	WG2039419
trans-1,3-Dichloropropene	ND		1.00	1	04/11/2023 03:54	WG2039419
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/11/2023 03:54	WG2039419
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*	*04/11/2023 03:54*	WG2039419
(S) 4-Bromofluorobenzene	*88.7*			*77.0-126*	*04/11/2023 03:54*	WG2039419
(S) Toluene-d8	*99.6*			*80.0-120*	*04/11/2023 03:54*	WG2039419

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.47	su
Specific Conductance (on site)	706	umhos/cm
Temperature (on-site)	16.5	Deg. C
Turbidity (on-site)	3.4	NTU
Dissolved Oxygen (on-site)	1.6	mg/l
eH/ORP (On Site)	155.9	mV
Depth to water (DTW) (FROM TOC)	41.05	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	04/12/2023 12:53	WG2040432

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	17.0		3.00	1	04/12/2023 23:20	WG2040877

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.53	su
Specific Conductance (on site)	784	umhos/cm
Temperature (on-site)	14.6	Deg. C
Turbidity (on-site)	3.6	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	148.6	mV
Depth to water (DTW) (FROM TOC)	9.32	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	04/12/2023 12:57	WG2040432

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	17.1		3.00	1	04/12/2023 23:36	WG2040877

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.06	su
Specific Conductance (on site)	690	umhos/cm
Temperature (on-site)	15.5	Deg. C
Turbidity (on-site)	8.6	NTU
Dissolved Oxygen (on-site)	0.6	mg/l
eH/ORP (On Site)	192.6	mV
Depth to water (DTW) (FROM TOC)	51.4	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	406		10.0	1	04/12/2023 01:05	WG2039715

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	04/12/2023 13:00	WG2040432

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	31.0		3.00	1	04/12/2023 23:52	WG2040877
Sulfate	8.25		5.00	1	04/12/2023 23:52	WG2040877

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.39		1.00	1	04/12/2023 06:51	WG2039584

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/13/2023 02:11	WG2039058
Barium,Total Recoverable	0.137		0.00500	1	04/13/2023 02:11	WG2039058
Iron, Total Recoverable	ND		0.0600	1	04/13/2023 02:11	WG2039058
Manganese,Total Recoverable	3.00		0.00300	1	04/13/2023 02:11	WG2039058
Lead, Total Recoverable	ND		0.00500	1	04/13/2023 02:11	WG2039058
Selenium, Total Recoverable	ND		0.0100	1	04/13/2023 02:11	WG2039058

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/11/2023 21:16	WG2039065
Beryllium, Total Recoverable	ND		0.00100	1	04/11/2023 21:16	WG2039065
Cadmium, Total Recoverable	0.0112		0.00100	1	04/11/2023 21:16	WG2039065
Cobalt,Total Recoverable	ND		0.00300	1	04/11/2023 21:16	WG2039065
Chromium, Total Recoverable	ND		0.00300	1	04/11/2023 21:16	WG2039065
Copper, Total Recoverable	ND		0.00400	1	04/11/2023 21:16	WG2039065
Nickel, Total Recoverable	0.0205		0.00400	1	04/11/2023 21:16	WG2039065
Antimony, Total Recoverable	ND		0.00200	1	04/11/2023 21:16	WG2039065
Thallium, Total Recoverable	ND		0.00100	1	04/11/2023 21:16	WG2039065
Vanadium,Total Recoverable	ND		0.00300	1	04/11/2023 21:16	WG2039065
Zinc, Total Recoverable	0.0585		0.00500	1	04/11/2023 21:16	WG2039065

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/11/2023 04:15	WG2039419
1,1,1-Trichloroethane	ND		1.00	1	04/11/2023 04:15	WG2039419
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/11/2023 04:15	WG2039419
1,1,2-Trichloroethane	ND		1.00	1	04/11/2023 04:15	WG2039419
1,1-Dichloroethane	ND		1.00	1	04/11/2023 04:15	WG2039419
1,1-Dichloroethene	ND		1.00	1	04/11/2023 04:15	WG2039419
1,2,3-Trichloropropane	ND		1.00	1	04/11/2023 04:15	WG2039419
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/11/2023 04:15	WG2039419
1,2-Dibromoethane	ND		1.00	1	04/11/2023 04:15	WG2039419
1,2-Dichlorobenzene	ND		1.00	1	04/11/2023 04:15	WG2039419
1,2-Dichloroethane	ND		1.00	1	04/11/2023 04:15	WG2039419
1,2-Dichloropropane	ND		1.00	1	04/11/2023 04:15	WG2039419
1,4-Dichlorobenzene	ND		1.00	1	04/11/2023 04:15	WG2039419
2-Butanone (MEK)	ND		5.00	1	04/11/2023 04:15	WG2039419
2-Hexanone	ND		5.00	1	04/11/2023 04:15	WG2039419
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/11/2023 04:15	WG2039419
Acetone	ND		10.0	1	04/11/2023 04:15	WG2039419
Acrylonitrile	ND		20.0	1	04/11/2023 04:15	WG2039419
Benzene	ND		1.00	1	04/11/2023 04:15	WG2039419
Bromochloromethane	ND		1.00	1	04/11/2023 04:15	WG2039419
Bromodichloromethane	ND		1.00	1	04/11/2023 04:15	WG2039419
Bromoform	ND		1.00	1	04/11/2023 04:15	WG2039419
Bromomethane	ND		1.00	1	04/11/2023 04:15	WG2039419
Carbon disulfide	ND		1.00	1	04/11/2023 04:15	WG2039419
Carbon tetrachloride	ND		1.00	1	04/11/2023 04:15	WG2039419
Chlorobenzene	ND		1.00	1	04/11/2023 04:15	WG2039419
Chloroethane	ND		1.00	1	04/11/2023 04:15	WG2039419
Chloroform	ND		1.00	1	04/11/2023 04:15	WG2039419
Chloromethane	ND		1.00	1	04/11/2023 04:15	WG2039419
Dibromochloromethane	ND		1.00	1	04/11/2023 04:15	WG2039419
Dibromomethane	ND		1.00	1	04/11/2023 04:15	WG2039419
Ethylbenzene	ND		1.00	1	04/11/2023 04:15	WG2039419
Iodomethane	ND		1.00	1	04/11/2023 04:15	WG2039419
Methylene Chloride	ND		1.07	1	04/11/2023 04:15	WG2039419
Styrene	ND		1.00	1	04/11/2023 04:15	WG2039419
Tetrachloroethene	ND		1.00	1	04/11/2023 04:15	WG2039419
Toluene	ND		1.00	1	04/11/2023 04:15	WG2039419
Trichloroethene	ND		1.00	1	04/11/2023 04:15	WG2039419
Trichlorofluoromethane	ND		1.00	1	04/11/2023 04:15	WG2039419
Vinyl acetate	ND		5.00	1	04/11/2023 04:15	WG2039419
Vinyl chloride	ND		1.00	1	04/11/2023 04:15	WG2039419
Xylenes, Total	ND		1.00	1	04/11/2023 04:15	WG2039419
cis-1,2-Dichloroethene	ND		1.00	1	04/11/2023 04:15	WG2039419
cis-1,3-Dichloropropene	ND		1.00	1	04/11/2023 04:15	WG2039419
trans-1,2-Dichloroethene	ND		1.00	1	04/11/2023 04:15	WG2039419
trans-1,3-Dichloropropene	ND		1.00	1	04/11/2023 04:15	WG2039419
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/11/2023 04:15	WG2039419
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*	*04/11/2023 04:15*	WG2039419
(S) 4-Bromofluorobenzene	*91.8*			*77.0-126*	*04/11/2023 04:15*	WG2039419
(S) Toluene-d8	*103*			*80.0-120*	*04/11/2023 04:15*	WG2039419

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	ND		10.0	1	04/12/2023 01:05	WG2039715

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	04/12/2023 13:06	WG2040432

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	ND		3.00	1	04/13/2023 00:08	WG2040877
Sulfate	ND		5.00	1	04/13/2023 00:08	WG2040877

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	04/12/2023 07:08	WG2039584

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/13/2023 02:14	WG2039058
Barium,Total Recoverable	ND		0.00500	1	04/13/2023 02:14	WG2039058
Iron, Total Recoverable	ND		0.0600	1	04/13/2023 02:14	WG2039058
Manganese,Total Recoverable	ND		0.00300	1	04/13/2023 02:14	WG2039058
Lead, Total Recoverable	ND		0.00500	1	04/13/2023 02:14	WG2039058
Selenium, Total Recoverable	ND		0.0100	1	04/13/2023 02:14	WG2039058

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/11/2023 21:19	WG2039065
Beryllium, Total Recoverable	ND		0.00100	1	04/11/2023 21:19	WG2039065
Cadmium, Total Recoverable	ND		0.00100	1	04/11/2023 21:19	WG2039065
Cobalt,Total Recoverable	ND		0.00300	1	04/11/2023 21:19	WG2039065
Chromium, Total Recoverable	ND		0.00300	1	04/11/2023 21:19	WG2039065
Copper, Total Recoverable	ND		0.00400	1	04/11/2023 21:19	WG2039065
Nickel, Total Recoverable	ND		0.00400	1	04/11/2023 21:19	WG2039065
Antimony, Total Recoverable	ND		0.00200	1	04/11/2023 21:19	WG2039065
Thallium, Total Recoverable	ND		0.00100	1	04/11/2023 21:19	WG2039065
Vanadium,Total Recoverable	ND		0.00300	1	04/11/2023 21:19	WG2039065
Zinc, Total Recoverable	ND		0.00500	1	04/11/2023 21:19	WG2039065

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/11/2023 02:50	WG2039419
1,1,1-Trichloroethane	ND		1.00	1	04/11/2023 02:50	WG2039419
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/11/2023 02:50	WG2039419
1,1,2-Trichloroethane	ND		1.00	1	04/11/2023 02:50	WG2039419
1,1-Dichloroethane	ND		1.00	1	04/11/2023 02:50	WG2039419
1,1-Dichloroethene	ND		1.00	1	04/11/2023 02:50	WG2039419
1,2,3-Trichloropropane	ND		1.00	1	04/11/2023 02:50	WG2039419

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

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/11/2023 02:50	WG2039419
1,2-Dibromoethane	ND		1.00	1	04/11/2023 02:50	WG2039419
1,2-Dichlorobenzene	ND		1.00	1	04/11/2023 02:50	WG2039419
1,2-Dichloroethane	ND		1.00	1	04/11/2023 02:50	WG2039419
1,2-Dichloropropane	ND		1.00	1	04/11/2023 02:50	WG2039419
1,4-Dichlorobenzene	ND		1.00	1	04/11/2023 02:50	WG2039419
2-Butanone (MEK)	5.09		5.00	1	04/11/2023 02:50	WG2039419
2-Hexanone	ND		5.00	1	04/11/2023 02:50	WG2039419
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/11/2023 02:50	WG2039419
Acetone	ND		10.0	1	04/11/2023 02:50	WG2039419
Acrylonitrile	ND		20.0	1	04/11/2023 02:50	WG2039419
Benzene	ND		1.00	1	04/11/2023 02:50	WG2039419
Bromochloromethane	ND		1.00	1	04/11/2023 02:50	WG2039419
Bromodichloromethane	ND		1.00	1	04/11/2023 02:50	WG2039419
Bromoform	ND		1.00	1	04/11/2023 02:50	WG2039419
Bromomethane	ND		1.00	1	04/11/2023 02:50	WG2039419
Carbon disulfide	ND		1.00	1	04/11/2023 02:50	WG2039419
Carbon tetrachloride	ND		1.00	1	04/11/2023 02:50	WG2039419
Chlorobenzene	ND		1.00	1	04/11/2023 02:50	WG2039419
Chloroethane	ND		1.00	1	04/11/2023 02:50	WG2039419
Chloroform	ND		1.00	1	04/11/2023 02:50	WG2039419
Chloromethane	ND		1.00	1	04/11/2023 02:50	WG2039419
Dibromochloromethane	ND		1.00	1	04/11/2023 02:50	WG2039419
Dibromomethane	ND		1.00	1	04/11/2023 02:50	WG2039419
Ethylbenzene	ND		1.00	1	04/11/2023 02:50	WG2039419
Iodomethane	ND		1.00	1	04/11/2023 02:50	WG2039419
Methylene Chloride	ND		1.07	1	04/11/2023 02:50	WG2039419
Styrene	ND		1.00	1	04/11/2023 02:50	WG2039419
Tetrachloroethene	ND		1.00	1	04/11/2023 02:50	WG2039419
Toluene	1.28		1.00	1	04/11/2023 02:50	WG2039419
Trichloroethene	ND		1.00	1	04/11/2023 02:50	WG2039419
Trichlorofluoromethane	ND		1.00	1	04/11/2023 02:50	WG2039419
Vinyl acetate	ND		5.00	1	04/11/2023 02:50	WG2039419
Vinyl chloride	ND		1.00	1	04/11/2023 02:50	WG2039419
Xylenes, Total	ND		1.00	1	04/11/2023 02:50	WG2039419
cis-1,2-Dichloroethene	ND		1.00	1	04/11/2023 02:50	WG2039419
cis-1,3-Dichloropropene	ND		1.00	1	04/11/2023 02:50	WG2039419
trans-1,2-Dichloroethene	ND		1.00	1	04/11/2023 02:50	WG2039419
trans-1,3-Dichloropropene	ND		1.00	1	04/11/2023 02:50	WG2039419
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/11/2023 02:50	WG2039419
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*	*04/11/2023 02:50*	WG2039419
(S) 4-Bromofluorobenzene	*91.5*			*77.0-126*	*04/11/2023 02:50*	WG2039419
(S) Toluene-d8	*103*			*80.0-120*	*04/11/2023 02:50*	WG2039419

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.48	su
Specific Conductance (on site)	524	umhos/cm
Temperature (on-site)	13.8	Deg. C
Turbidity (on-site)	9.4	NTU
Dissolved Oxygen (on-site)	5	mg/l
eH/ORP (On Site)	167.6	mV
Depth to water (DTW) (FROM TOC)	55.5	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	04/12/2023 13:08	WG2040432

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	4.90		3.00	1	04/13/2023 00:24	WG2040877

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.46	su
Specific Conductance (on site)	564	umhos/cm
Temperature (on-site)	14.8	Deg. C
Turbidity (on-site)	8.9	NTU
Dissolved Oxygen (on-site)	3.8	mg/l
eH/ORP (On Site)	184.9	mV
Depth to water (DTW) (FROM TOC)	84.17	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	04/12/2023 13:09	WG2040432

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	31.7		3.00	1	04/13/2023 00:40	WG2040877

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.16	su
Specific Conductance (on site)	519	umhos/cm
Temperature (on-site)	14.6	Deg. C
Turbidity (on-site)	7	NTU
Dissolved Oxygen (on-site)	6.1	mg/l
eH/ORP (On Site)	178.2	mV
Depth to water (DTW) (FROM TOC)	57.92	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	04/12/2023 13:11	WG2040432

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	37.3		3.00	1	04/13/2023 00:56	WG2040877

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.26		1.00	1	04/12/2023 07:34	WG2039584

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.8	su
Specific Conductance (on site)	341	umhos/cm
Temperature (on-site)	14	Deg. C
Turbidity (on-site)	7.2	NTU
Dissolved Oxygen (on-site)	6.4	mg/l
eH/ORP (On Site)	151.2	mV
Depth to water (DTW) (FROM TOC)	65.53	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	04/12/2023 13:12	WG2040432

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	3.80		3.00	1	04/13/2023 01:12	WG2040877

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.23	su
Specific Conductance (on site)	436	umhos/cm
Temperature (on-site)	16.2	Deg. C
Turbidity (on-site)	17.6	NTU
Dissolved Oxygen (on-site)	7.4	mg/l
eH/ORP (On Site)	184	mV
Depth to water (DTW) (FROM TOC)	58.17	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	04/12/2023 13:14	WG2040432

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	25.1		3.00	1	04/13/2023 01:28	WG2040877

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	04/12/2023 07:51	WG2039584

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Zinc, Total Recoverable	0.00730	J	0.00500	1	04/11/2023 21:23	WG2039065

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

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.38	su
Specific Conductance (on site)	364	umhos/cm
Temperature (on-site)	16.9	Deg. C
Turbidity (on-site)	9.7	NTU
Dissolved Oxygen (on-site)	6.2	mg/l
eH/ORP (On Site)	130.2	mV
Depth to water (DTW) (FROM TOC)	67.35	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	04/12/2023 13:15	WG2040432

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	7.83		3.00	1	04/13/2023 02:15	WG2040877

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.11	su
Specific Conductance (on site)	474	umhos/cm
Temperature (on-site)	14.9	Deg. C
Turbidity (on-site)	5.3	NTU
Dissolved Oxygen (on-site)	8.4	mg/l
eH/ORP (On Site)	151.7	mV
Depth to water (DTW) (FROM TOC)	44.89	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	227		10.0	1	04/14/2023 01:43	WG2040637

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	17.9		3.00	1	04/13/2023 22:36	WG2040981
Sulfate	14.4		5.00	1	04/13/2023 22:36	WG2040981

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.19		1.00	1	04/12/2023 08:09	WG2039584

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/13/2023 02:17	WG2039058
Barium,Total Recoverable	0.0195		0.00500	1	04/13/2023 02:17	WG2039058
Iron, Total Recoverable	ND		0.0600	1	04/13/2023 02:17	WG2039058
Manganese,Total Recoverable	0.00756	J	0.00300	1	04/13/2023 02:17	WG2039058
Lead, Total Recoverable	ND		0.00500	1	04/13/2023 02:17	WG2039058
Selenium, Total Recoverable	ND		0.0100	1	04/13/2023 02:17	WG2039058

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/11/2023 21:26	WG2039065
Beryllium, Total Recoverable	ND		0.00100	1	04/11/2023 21:26	WG2039065
Cadmium, Total Recoverable	ND		0.00100	1	04/11/2023 21:26	WG2039065
Cobalt,Total Recoverable	ND		0.00300	1	04/11/2023 21:26	WG2039065
Chromium, Total Recoverable	ND		0.00300	1	04/11/2023 21:26	WG2039065
Copper, Total Recoverable	ND		0.00400	1	04/11/2023 21:26	WG2039065
Nickel, Total Recoverable	ND		0.00400	1	04/11/2023 21:26	WG2039065
Antimony, Total Recoverable	ND		0.00200	1	04/11/2023 21:26	WG2039065
Thallium, Total Recoverable	ND		0.00100	1	04/11/2023 21:26	WG2039065
Vanadium,Total Recoverable	ND		0.00300	1	04/11/2023 21:26	WG2039065
Zinc, Total Recoverable	ND		0.00500	1	04/11/2023 21:26	WG2039065

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/11/2023 04:36	WG2039419
1,1,1-Trichloroethane	ND		1.00	1	04/11/2023 04:36	WG2039419
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/11/2023 04:36	WG2039419
1,1,2-Trichloroethane	ND		1.00	1	04/11/2023 04:36	WG2039419
1,1-Dichloroethane	ND		1.00	1	04/11/2023 04:36	WG2039419
1,1-Dichloroethene	ND		1.00	1	04/11/2023 04:36	WG2039419
1,2,3-Trichloropropane	ND		1.00	1	04/11/2023 04:36	WG2039419
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/11/2023 04:36	WG2039419
1,2-Dibromoethane	ND		1.00	1	04/11/2023 04:36	WG2039419
1,2-Dichlorobenzene	ND		1.00	1	04/11/2023 04:36	WG2039419
1,2-Dichloroethane	ND		1.00	1	04/11/2023 04:36	WG2039419
1,2-Dichloropropane	ND		1.00	1	04/11/2023 04:36	WG2039419
1,4-Dichlorobenzene	ND		1.00	1	04/11/2023 04:36	WG2039419
2-Butanone (MEK)	ND		5.00	1	04/11/2023 04:36	WG2039419
2-Hexanone	ND		5.00	1	04/11/2023 04:36	WG2039419
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/11/2023 04:36	WG2039419
Acetone	ND		10.0	1	04/11/2023 04:36	WG2039419
Acrylonitrile	ND		20.0	1	04/11/2023 04:36	WG2039419
Benzene	ND		1.00	1	04/11/2023 04:36	WG2039419
Bromochloromethane	ND		1.00	1	04/11/2023 04:36	WG2039419
Bromodichloromethane	ND		1.00	1	04/11/2023 04:36	WG2039419
Bromoform	ND		1.00	1	04/11/2023 04:36	WG2039419
Bromomethane	ND		1.00	1	04/11/2023 04:36	WG2039419
Carbon disulfide	ND		1.00	1	04/11/2023 04:36	WG2039419
Carbon tetrachloride	ND		1.00	1	04/11/2023 04:36	WG2039419
Chlorobenzene	ND		1.00	1	04/11/2023 04:36	WG2039419
Chloroethane	ND		1.00	1	04/11/2023 04:36	WG2039419
Chloroform	ND		1.00	1	04/11/2023 04:36	WG2039419
Chloromethane	ND		1.00	1	04/11/2023 04:36	WG2039419
Dibromochloromethane	ND		1.00	1	04/11/2023 04:36	WG2039419
Dibromomethane	ND		1.00	1	04/11/2023 04:36	WG2039419
Ethylbenzene	ND		1.00	1	04/11/2023 04:36	WG2039419
Iodomethane	ND		1.00	1	04/11/2023 04:36	WG2039419
Methylene Chloride	ND		1.07	1	04/11/2023 04:36	WG2039419
Styrene	ND		1.00	1	04/11/2023 04:36	WG2039419
Tetrachloroethene	ND		1.00	1	04/11/2023 04:36	WG2039419
Toluene	ND		1.00	1	04/11/2023 04:36	WG2039419
Trichloroethene	ND		1.00	1	04/11/2023 04:36	WG2039419
Trichlorofluoromethane	ND		1.00	1	04/11/2023 04:36	WG2039419
Vinyl acetate	ND		5.00	1	04/11/2023 04:36	WG2039419
Vinyl chloride	ND		1.00	1	04/11/2023 04:36	WG2039419
Xylenes, Total	ND		1.00	1	04/11/2023 04:36	WG2039419
cis-1,2-Dichloroethene	ND		1.00	1	04/11/2023 04:36	WG2039419
cis-1,3-Dichloropropene	ND		1.00	1	04/11/2023 04:36	WG2039419
trans-1,2-Dichloroethene	ND		1.00	1	04/11/2023 04:36	WG2039419
trans-1,3-Dichloropropene	ND		1.00	1	04/11/2023 04:36	WG2039419
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/11/2023 04:36	WG2039419
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*	*04/11/2023 04:36*	WG2039419
(S) 4-Bromofluorobenzene	*92.8*			*77.0-126*	*04/11/2023 04:36*	WG2039419
(S) Toluene-d8	*102*			*80.0-120*	*04/11/2023 04:36*	WG2039419

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.64	su
Specific Conductance (on site)	669	umhos/cm
Temperature (on-site)	14.1	Deg. C
Turbidity (on-site)	3.5	NTU
Dissolved Oxygen (on-site)	0.9	mg/l
eH/ORP (On Site)	149.3	mV
Depth to water (DTW) (FROM TOC)	44.9	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	332		10.0	1	04/14/2023 05:35	WG2040629

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	13.0		3.00	1	04/13/2023 23:39	WG2040981
Sulfate	ND		5.00	1	04/13/2023 23:39	WG2040981

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	04/12/2023 08:27	WG2039584

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/13/2023 02:19	WG2039058
Barium,Total Recoverable	0.0554		0.00500	1	04/13/2023 02:19	WG2039058
Iron, Total Recoverable	ND		0.0600	1	04/13/2023 02:19	WG2039058
Manganese,Total Recoverable	ND		0.00300	1	04/13/2023 02:19	WG2039058
Lead, Total Recoverable	ND		0.00500	1	04/13/2023 02:19	WG2039058
Selenium, Total Recoverable	ND		0.0100	1	04/13/2023 02:19	WG2039058

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/11/2023 21:29	WG2039065
Beryllium, Total Recoverable	ND		0.00100	1	04/11/2023 21:29	WG2039065
Cadmium, Total Recoverable	ND		0.00100	1	04/11/2023 21:29	WG2039065
Cobalt,Total Recoverable	ND		0.00300	1	04/11/2023 21:29	WG2039065
Chromium, Total Recoverable	ND		0.00300	1	04/11/2023 21:29	WG2039065
Copper, Total Recoverable	ND		0.00400	1	04/11/2023 21:29	WG2039065
Nickel, Total Recoverable	ND		0.00400	1	04/11/2023 21:29	WG2039065
Antimony, Total Recoverable	ND		0.00200	1	04/11/2023 21:29	WG2039065
Thallium, Total Recoverable	ND		0.00100	1	04/11/2023 21:29	WG2039065
Vanadium,Total Recoverable	ND		0.00300	1	04/11/2023 21:29	WG2039065
Zinc, Total Recoverable	0.00684	J	0.00500	1	04/11/2023 21:29	WG2039065

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/11/2023 04:57	WG2039419
1,1,1-Trichloroethane	ND		1.00	1	04/11/2023 04:57	WG2039419
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/11/2023 04:57	WG2039419
1,1,2-Trichloroethane	ND		1.00	1	04/11/2023 04:57	WG2039419
1,1-Dichloroethane	ND		1.00	1	04/11/2023 04:57	WG2039419
1,1-Dichloroethene	ND		1.00	1	04/11/2023 04:57	WG2039419
1,2,3-Trichloropropane	ND		1.00	1	04/11/2023 04:57	WG2039419
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/11/2023 04:57	WG2039419
1,2-Dibromoethane	ND		1.00	1	04/11/2023 04:57	WG2039419
1,2-Dichlorobenzene	ND		1.00	1	04/11/2023 04:57	WG2039419
1,2-Dichloroethane	ND		1.00	1	04/11/2023 04:57	WG2039419
1,2-Dichloropropane	ND		1.00	1	04/11/2023 04:57	WG2039419
1,4-Dichlorobenzene	ND		1.00	1	04/11/2023 04:57	WG2039419
2-Butanone (MEK)	ND		5.00	1	04/11/2023 04:57	WG2039419
2-Hexanone	ND		5.00	1	04/11/2023 04:57	WG2039419
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/11/2023 04:57	WG2039419
Acetone	ND		10.0	1	04/11/2023 04:57	WG2039419
Acrylonitrile	ND		20.0	1	04/11/2023 04:57	WG2039419
Benzene	ND		1.00	1	04/11/2023 04:57	WG2039419
Bromochloromethane	ND		1.00	1	04/11/2023 04:57	WG2039419
Bromodichloromethane	ND		1.00	1	04/11/2023 04:57	WG2039419
Bromoform	ND		1.00	1	04/11/2023 04:57	WG2039419
Bromomethane	ND		1.00	1	04/11/2023 04:57	WG2039419
Carbon disulfide	ND		1.00	1	04/11/2023 04:57	WG2039419
Carbon tetrachloride	ND		1.00	1	04/11/2023 04:57	WG2039419
Chlorobenzene	ND		1.00	1	04/11/2023 04:57	WG2039419
Chloroethane	ND		1.00	1	04/11/2023 04:57	WG2039419
Chloroform	ND		1.00	1	04/11/2023 04:57	WG2039419
Chloromethane	ND		1.00	1	04/11/2023 04:57	WG2039419
Dibromochloromethane	ND		1.00	1	04/11/2023 04:57	WG2039419
Dibromomethane	ND		1.00	1	04/11/2023 04:57	WG2039419
Ethylbenzene	ND		1.00	1	04/11/2023 04:57	WG2039419
Iodomethane	ND		1.00	1	04/11/2023 04:57	WG2039419
Methylene Chloride	ND		1.07	1	04/11/2023 04:57	WG2039419
Styrene	ND		1.00	1	04/11/2023 04:57	WG2039419
Tetrachloroethene	ND		1.00	1	04/11/2023 04:57	WG2039419
Toluene	ND		1.00	1	04/11/2023 04:57	WG2039419
Trichloroethene	ND		1.00	1	04/11/2023 04:57	WG2039419
Trichlorofluoromethane	ND		1.00	1	04/11/2023 04:57	WG2039419
Vinyl acetate	ND		5.00	1	04/11/2023 04:57	WG2039419
Vinyl chloride	ND		1.00	1	04/11/2023 04:57	WG2039419
Xylenes, Total	ND		1.00	1	04/11/2023 04:57	WG2039419
cis-1,2-Dichloroethene	ND		1.00	1	04/11/2023 04:57	WG2039419
cis-1,3-Dichloropropene	ND		1.00	1	04/11/2023 04:57	WG2039419
trans-1,2-Dichloroethene	ND		1.00	1	04/11/2023 04:57	WG2039419
trans-1,3-Dichloropropene	ND		1.00	1	04/11/2023 04:57	WG2039419
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/11/2023 04:57	WG2039419
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*	*04/11/2023 04:57*	WG2039419
(S) 4-Bromofluorobenzene	*89.1*			*77.0-126*	*04/11/2023 04:57*	WG2039419
(S) Toluene-d8	*102*			*80.0-120*	*04/11/2023 04:57*	WG2039419

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.99	su
Specific Conductance (on site)	640	umhos/cm
Temperature (on-site)	15.4	Deg. C
Turbidity (on-site)	9.7	NTU
Dissolved Oxygen (on-site)	8.2	mg/l
eH/ORP (On Site)	135.9	mV
Depth to water (DTW) (FROM TOC)	64.7	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	174		10.0	1	04/14/2023 05:35	WG2040629

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	4.70		3.00	1	04/13/2023 23:55	WG2040981
Sulfate	7.12		5.00	1	04/13/2023 23:55	WG2040981

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	04/12/2023 08:51	WG2039584

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/13/2023 02:27	WG2039058
Barium,Total Recoverable	0.0400		0.00500	1	04/13/2023 02:27	WG2039058
Iron, Total Recoverable	0.0984	J	0.0600	1	04/13/2023 02:27	WG2039058
Manganese,Total Recoverable	0.0114		0.00300	1	04/13/2023 02:27	WG2039058
Lead, Total Recoverable	ND		0.00500	1	04/13/2023 02:27	WG2039058
Selenium, Total Recoverable	ND		0.0100	1	04/13/2023 02:27	WG2039058

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/11/2023 21:33	WG2039065
Beryllium, Total Recoverable	ND		0.00100	1	04/11/2023 21:33	WG2039065
Cadmium, Total Recoverable	ND		0.00100	1	04/11/2023 21:33	WG2039065
Cobalt,Total Recoverable	ND		0.00300	1	04/11/2023 21:33	WG2039065
Chromium, Total Recoverable	ND		0.00300	1	04/11/2023 21:33	WG2039065
Copper, Total Recoverable	ND		0.00400	1	04/11/2023 21:33	WG2039065
Nickel, Total Recoverable	0.0173		0.00400	1	04/11/2023 21:33	WG2039065
Antimony, Total Recoverable	ND		0.00200	1	04/11/2023 21:33	WG2039065
Thallium, Total Recoverable	ND		0.00100	1	04/11/2023 21:33	WG2039065
Vanadium,Total Recoverable	ND		0.00300	1	04/11/2023 21:33	WG2039065
Zinc, Total Recoverable	0.0106	J	0.00500	1	04/11/2023 21:33	WG2039065

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/11/2023 05:18	WG2039419
1,1,1-Trichloroethane	ND		1.00	1	04/11/2023 05:18	WG2039419
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/11/2023 05:18	WG2039419
1,1,2-Trichloroethane	ND		1.00	1	04/11/2023 05:18	WG2039419
1,1-Dichloroethane	ND		1.00	1	04/11/2023 05:18	WG2039419
1,1-Dichloroethene	ND		1.00	1	04/11/2023 05:18	WG2039419
1,2,3-Trichloropropane	ND		1.00	1	04/11/2023 05:18	WG2039419
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/11/2023 05:18	WG2039419
1,2-Dibromoethane	ND		1.00	1	04/11/2023 05:18	WG2039419
1,2-Dichlorobenzene	ND		1.00	1	04/11/2023 05:18	WG2039419
1,2-Dichloroethane	ND		1.00	1	04/11/2023 05:18	WG2039419
1,2-Dichloropropane	ND		1.00	1	04/11/2023 05:18	WG2039419
1,4-Dichlorobenzene	ND		1.00	1	04/11/2023 05:18	WG2039419
2-Butanone (MEK)	ND		5.00	1	04/11/2023 05:18	WG2039419
2-Hexanone	ND		5.00	1	04/11/2023 05:18	WG2039419
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/11/2023 05:18	WG2039419
Acetone	ND		10.0	1	04/11/2023 05:18	WG2039419
Acrylonitrile	ND		20.0	1	04/11/2023 05:18	WG2039419
Benzene	ND		1.00	1	04/11/2023 05:18	WG2039419
Bromochloromethane	ND		1.00	1	04/11/2023 05:18	WG2039419
Bromodichloromethane	ND		1.00	1	04/11/2023 05:18	WG2039419
Bromoform	ND		1.00	1	04/11/2023 05:18	WG2039419
Bromomethane	ND		1.00	1	04/11/2023 05:18	WG2039419
Carbon disulfide	ND		1.00	1	04/11/2023 05:18	WG2039419
Carbon tetrachloride	ND		1.00	1	04/11/2023 05:18	WG2039419
Chlorobenzene	ND		1.00	1	04/11/2023 05:18	WG2039419
Chloroethane	ND		1.00	1	04/11/2023 05:18	WG2039419
Chloroform	ND		1.00	1	04/11/2023 05:18	WG2039419
Chloromethane	ND		1.00	1	04/11/2023 05:18	WG2039419
Dibromochloromethane	ND		1.00	1	04/11/2023 05:18	WG2039419
Dibromomethane	ND		1.00	1	04/11/2023 05:18	WG2039419
Ethylbenzene	ND		1.00	1	04/11/2023 05:18	WG2039419
Iodomethane	ND		1.00	1	04/11/2023 05:18	WG2039419
Methylene Chloride	ND		1.07	1	04/11/2023 05:18	WG2039419
Styrene	ND		1.00	1	04/11/2023 05:18	WG2039419
Tetrachloroethene	ND		1.00	1	04/11/2023 05:18	WG2039419
Toluene	ND		1.00	1	04/11/2023 05:18	WG2039419
Trichloroethene	ND		1.00	1	04/11/2023 05:18	WG2039419
Trichlorofluoromethane	ND		1.00	1	04/11/2023 05:18	WG2039419
Vinyl acetate	ND		5.00	1	04/11/2023 05:18	WG2039419
Vinyl chloride	ND		1.00	1	04/11/2023 05:18	WG2039419
Xylenes, Total	ND		1.00	1	04/11/2023 05:18	WG2039419
cis-1,2-Dichloroethene	ND		1.00	1	04/11/2023 05:18	WG2039419
cis-1,3-Dichloropropene	ND		1.00	1	04/11/2023 05:18	WG2039419
trans-1,2-Dichloroethene	ND		1.00	1	04/11/2023 05:18	WG2039419
trans-1,3-Dichloropropene	ND		1.00	1	04/11/2023 05:18	WG2039419
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/11/2023 05:18	WG2039419
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*	*04/11/2023 05:18*	WG2039419
(S) 4-Bromofluorobenzene	*90.6*			*77.0-126*	*04/11/2023 05:18*	WG2039419
(S) Toluene-d8	*103*			*80.0-120*	*04/11/2023 05:18*	WG2039419

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.5	su
Specific Conductance (on site)	747	umhos/cm
Temperature (on-site)	15	Deg. C
Turbidity (on-site)	10.2	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	169.5	mV
Depth to water (DTW) (FROM TOC)	68.18	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	352		10.0	1	04/14/2023 05:35	WG2040629

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	8.03		3.00	1	04/14/2023 00:43	WG2040981
Sulfate	ND		5.00	1	04/14/2023 00:43	WG2040981

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	04/12/2023 09:16	WG2039584

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/13/2023 02:30	WG2039058
Barium,Total Recoverable	0.0444		0.00500	1	04/13/2023 02:30	WG2039058
Iron, Total Recoverable	12.3		0.0600	1	04/13/2023 02:30	WG2039058
Manganese,Total Recoverable	1.68		0.00300	1	04/13/2023 02:30	WG2039058
Lead, Total Recoverable	ND		0.00500	1	04/13/2023 02:30	WG2039058
Selenium, Total Recoverable	ND		0.0100	1	04/13/2023 02:30	WG2039058

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/11/2023 21:36	WG2039065
Beryllium, Total Recoverable	ND		0.00100	1	04/11/2023 21:36	WG2039065
Cadmium, Total Recoverable	ND		0.00100	1	04/11/2023 21:36	WG2039065
Cobalt,Total Recoverable	0.0455		0.00300	1	04/11/2023 21:36	WG2039065
Chromium, Total Recoverable	ND		0.00300	1	04/11/2023 21:36	WG2039065
Copper, Total Recoverable	ND		0.00400	1	04/11/2023 21:36	WG2039065
Nickel, Total Recoverable	0.139		0.00400	1	04/11/2023 21:36	WG2039065
Antimony, Total Recoverable	ND		0.00200	1	04/11/2023 21:36	WG2039065
Thallium, Total Recoverable	ND		0.00100	1	04/11/2023 21:36	WG2039065
Vanadium,Total Recoverable	ND		0.00300	1	04/11/2023 21:36	WG2039065
Zinc, Total Recoverable	0.180		0.00500	1	04/11/2023 21:36	WG2039065

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/11/2023 05:40	WG2039419
1,1,1-Trichloroethane	ND		1.00	1	04/11/2023 05:40	WG2039419
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/11/2023 05:40	WG2039419
1,1,2-Trichloroethane	ND		1.00	1	04/11/2023 05:40	WG2039419
1,1-Dichloroethane	ND		1.00	1	04/11/2023 05:40	WG2039419
1,1-Dichloroethene	ND		1.00	1	04/11/2023 05:40	WG2039419
1,2,3-Trichloropropane	ND		1.00	1	04/11/2023 05:40	WG2039419
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/11/2023 05:40	WG2039419
1,2-Dibromoethane	ND		1.00	1	04/11/2023 05:40	WG2039419
1,2-Dichlorobenzene	ND		1.00	1	04/11/2023 05:40	WG2039419
1,2-Dichloroethane	ND		1.00	1	04/11/2023 05:40	WG2039419
1,2-Dichloropropane	ND		1.00	1	04/11/2023 05:40	WG2039419
1,4-Dichlorobenzene	ND		1.00	1	04/11/2023 05:40	WG2039419
2-Butanone (MEK)	ND		5.00	1	04/11/2023 05:40	WG2039419
2-Hexanone	ND		5.00	1	04/11/2023 05:40	WG2039419
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/11/2023 05:40	WG2039419
Acetone	ND		10.0	1	04/11/2023 05:40	WG2039419
Acrylonitrile	ND		20.0	1	04/11/2023 05:40	WG2039419
Benzene	ND		1.00	1	04/11/2023 05:40	WG2039419
Bromochloromethane	ND		1.00	1	04/11/2023 05:40	WG2039419
Bromodichloromethane	ND		1.00	1	04/11/2023 05:40	WG2039419
Bromoform	ND		1.00	1	04/11/2023 05:40	WG2039419
Bromomethane	ND		1.00	1	04/11/2023 05:40	WG2039419
Carbon disulfide	ND		1.00	1	04/11/2023 05:40	WG2039419
Carbon tetrachloride	ND		1.00	1	04/11/2023 05:40	WG2039419
Chlorobenzene	ND		1.00	1	04/11/2023 05:40	WG2039419
Chloroethane	ND		1.00	1	04/11/2023 05:40	WG2039419
Chloroform	ND		1.00	1	04/11/2023 05:40	WG2039419
Chloromethane	ND		1.00	1	04/11/2023 05:40	WG2039419
Dibromochloromethane	ND		1.00	1	04/11/2023 05:40	WG2039419
Dibromomethane	ND		1.00	1	04/11/2023 05:40	WG2039419
Ethylbenzene	ND		1.00	1	04/11/2023 05:40	WG2039419
Iodomethane	ND		1.00	1	04/11/2023 05:40	WG2039419
Methylene Chloride	ND		1.07	1	04/11/2023 05:40	WG2039419
Styrene	ND		1.00	1	04/11/2023 05:40	WG2039419
Tetrachloroethene	ND		1.00	1	04/11/2023 05:40	WG2039419
Toluene	ND		1.00	1	04/11/2023 05:40	WG2039419
Trichloroethene	ND		1.00	1	04/11/2023 05:40	WG2039419
Trichlorofluoromethane	ND		1.00	1	04/11/2023 05:40	WG2039419
Vinyl acetate	ND		5.00	1	04/11/2023 05:40	WG2039419
Vinyl chloride	ND		1.00	1	04/11/2023 05:40	WG2039419
Xylenes, Total	ND		1.00	1	04/11/2023 05:40	WG2039419
cis-1,2-Dichloroethene	ND		1.00	1	04/11/2023 05:40	WG2039419
cis-1,3-Dichloropropene	ND		1.00	1	04/11/2023 05:40	WG2039419
trans-1,2-Dichloroethene	ND		1.00	1	04/11/2023 05:40	WG2039419
trans-1,3-Dichloropropene	ND		1.00	1	04/11/2023 05:40	WG2039419
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/11/2023 05:40	WG2039419
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*	*04/11/2023 05:40*	WG2039419
(S) 4-Bromofluorobenzene	*90.8*			*77.0-126*	*04/11/2023 05:40*	WG2039419
(S) Toluene-d8	*102*			*80.0-120*	*04/11/2023 05:40*	WG2039419

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.58	su
Specific Conductance (on site)	744	umhos/cm
Temperature (on-site)	15.1	Deg. C
Turbidity (on-site)	9.6	NTU
Dissolved Oxygen (on-site)	1.3	mg/l
eH/ORP (On Site)	167.8	mV
Depth to water (DTW) (FROM TOC)	65.51	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	367		10.0	1	04/14/2023 05:35	WG2040629

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	17.8		3.00	1	04/14/2023 00:59	WG2040981
Sulfate	7.74		5.00	1	04/14/2023 00:59	WG2040981

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.18		1.00	1	04/12/2023 17:25	WG2040229

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/13/2023 02:33	WG2039058
Barium,Total Recoverable	0.0464		0.00500	1	04/13/2023 02:33	WG2039058
Iron, Total Recoverable	3.21		0.0600	1	04/13/2023 02:33	WG2039058
Manganese,Total Recoverable	0.124		0.00300	1	04/13/2023 02:33	WG2039058
Lead, Total Recoverable	ND		0.00500	1	04/13/2023 02:33	WG2039058
Selenium, Total Recoverable	ND		0.0100	1	04/13/2023 02:33	WG2039058

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/11/2023 21:39	WG2039065
Beryllium, Total Recoverable	ND		0.00100	1	04/11/2023 21:39	WG2039065
Cadmium, Total Recoverable	0.0138		0.00100	1	04/11/2023 21:39	WG2039065
Cobalt,Total Recoverable	0.0156		0.00300	1	04/11/2023 21:39	WG2039065
Chromium, Total Recoverable	ND		0.00300	1	04/11/2023 21:39	WG2039065
Copper, Total Recoverable	ND		0.00400	1	04/11/2023 21:39	WG2039065
Nickel, Total Recoverable	0.0249		0.00400	1	04/11/2023 21:39	WG2039065
Antimony, Total Recoverable	ND		0.00200	1	04/11/2023 21:39	WG2039065
Thallium, Total Recoverable	ND		0.00100	1	04/11/2023 21:39	WG2039065
Vanadium,Total Recoverable	ND		0.00300	1	04/11/2023 21:39	WG2039065
Zinc, Total Recoverable	0.0299		0.00500	1	04/11/2023 21:39	WG2039065

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/11/2023 06:01	WG2039419
1,1,1-Trichloroethane	ND		1.00	1	04/11/2023 06:01	WG2039419
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/11/2023 06:01	WG2039419
1,1,2-Trichloroethane	ND		1.00	1	04/11/2023 06:01	WG2039419
1,1-Dichloroethane	ND		1.00	1	04/11/2023 06:01	WG2039419
1,1-Dichloroethene	ND		1.00	1	04/11/2023 06:01	WG2039419
1,2,3-Trichloropropane	ND		1.00	1	04/11/2023 06:01	WG2039419
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/11/2023 06:01	WG2039419
1,2-Dibromoethane	ND		1.00	1	04/11/2023 06:01	WG2039419
1,2-Dichlorobenzene	ND		1.00	1	04/11/2023 06:01	WG2039419
1,2-Dichloroethane	ND		1.00	1	04/11/2023 06:01	WG2039419
1,2-Dichloropropane	ND		1.00	1	04/11/2023 06:01	WG2039419
1,4-Dichlorobenzene	ND		1.00	1	04/11/2023 06:01	WG2039419
2-Butanone (MEK)	ND		5.00	1	04/11/2023 06:01	WG2039419
2-Hexanone	ND		5.00	1	04/11/2023 06:01	WG2039419
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/11/2023 06:01	WG2039419
Acetone	ND		10.0	1	04/11/2023 06:01	WG2039419
Acrylonitrile	ND		20.0	1	04/11/2023 06:01	WG2039419
Benzene	ND		1.00	1	04/11/2023 06:01	WG2039419
Bromochloromethane	ND		1.00	1	04/11/2023 06:01	WG2039419
Bromodichloromethane	ND		1.00	1	04/11/2023 06:01	WG2039419
Bromoform	ND		1.00	1	04/11/2023 06:01	WG2039419
Bromomethane	ND		1.00	1	04/11/2023 06:01	WG2039419
Carbon disulfide	ND		1.00	1	04/11/2023 06:01	WG2039419
Carbon tetrachloride	ND		1.00	1	04/11/2023 06:01	WG2039419
Chlorobenzene	ND		1.00	1	04/11/2023 06:01	WG2039419
Chloroethane	ND		1.00	1	04/11/2023 06:01	WG2039419
Chloroform	ND		1.00	1	04/11/2023 06:01	WG2039419
Chloromethane	ND		1.00	1	04/11/2023 06:01	WG2039419
Dibromochloromethane	ND		1.00	1	04/11/2023 06:01	WG2039419
Dibromomethane	ND		1.00	1	04/11/2023 06:01	WG2039419
Ethylbenzene	ND		1.00	1	04/11/2023 06:01	WG2039419
Iodomethane	ND		1.00	1	04/11/2023 06:01	WG2039419
Methylene Chloride	ND		1.07	1	04/11/2023 06:01	WG2039419
Styrene	ND		1.00	1	04/11/2023 06:01	WG2039419
Tetrachloroethene	ND		1.00	1	04/11/2023 06:01	WG2039419
Toluene	ND		1.00	1	04/11/2023 06:01	WG2039419
Trichloroethene	ND		1.00	1	04/11/2023 06:01	WG2039419
Trichlorofluoromethane	ND		1.00	1	04/11/2023 06:01	WG2039419
Vinyl acetate	ND		5.00	1	04/11/2023 06:01	WG2039419
Vinyl chloride	ND		1.00	1	04/11/2023 06:01	WG2039419
Xylenes, Total	ND		1.00	1	04/11/2023 06:01	WG2039419
cis-1,2-Dichloroethene	ND		1.00	1	04/11/2023 06:01	WG2039419
cis-1,3-Dichloropropene	ND		1.00	1	04/11/2023 06:01	WG2039419
trans-1,2-Dichloroethene	ND		1.00	1	04/11/2023 06:01	WG2039419
trans-1,3-Dichloropropene	ND		1.00	1	04/11/2023 06:01	WG2039419
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/11/2023 06:01	WG2039419
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*	*04/11/2023 06:01*	WG2039419
(S) 4-Bromofluorobenzene	*90.0*			*77.0-126*	*04/11/2023 06:01*	WG2039419
(S) Toluene-d8	*102*			*80.0-120*	*04/11/2023 06:01*	WG2039419

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.69	su
Specific Conductance (on site)	740	umhos/cm
Temperature (on-site)	14.8	Deg. C
Turbidity (on-site)	10.3	NTU
Dissolved Oxygen (on-site)	1.9	mg/l
eH/ORP (On Site)	163.9	mV
Depth to water (DTW) (FROM TOC)	69.56	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	366		10.0	1	04/14/2023 05:35	WG2040629

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	11.2		3.00	1	04/14/2023 01:15	WG2040981
Sulfate	ND		5.00	1	04/14/2023 01:15	WG2040981

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	04/12/2023 18:38	WG2040229

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/13/2023 02:35	WG2039058
Barium,Total Recoverable	0.0416		0.00500	1	04/13/2023 02:35	WG2039058
Iron, Total Recoverable	0.491		0.0600	1	04/13/2023 02:35	WG2039058
Manganese,Total Recoverable	0.0340		0.00300	1	04/13/2023 02:35	WG2039058
Lead, Total Recoverable	ND		0.00500	1	04/13/2023 02:35	WG2039058
Selenium, Total Recoverable	ND		0.0100	1	04/13/2023 02:35	WG2039058

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/11/2023 21:43	WG2039065
Beryllium, Total Recoverable	ND		0.00100	1	04/11/2023 21:43	WG2039065
Cadmium, Total Recoverable	ND		0.00100	1	04/11/2023 21:43	WG2039065
Cobalt,Total Recoverable	0.00316		0.00300	1	04/11/2023 21:43	WG2039065
Chromium, Total Recoverable	ND		0.00300	1	04/11/2023 21:43	WG2039065
Copper, Total Recoverable	ND		0.00400	1	04/11/2023 21:43	WG2039065
Nickel, Total Recoverable	0.0145		0.00400	1	04/11/2023 21:43	WG2039065
Antimony, Total Recoverable	ND		0.00200	1	04/11/2023 21:43	WG2039065
Thallium, Total Recoverable	ND		0.00100	1	04/11/2023 21:43	WG2039065
Vanadium,Total Recoverable	ND		0.00300	1	04/11/2023 21:43	WG2039065
Zinc, Total Recoverable	0.0106	J	0.00500	1	04/11/2023 21:43	WG2039065

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/11/2023 06:22	WG2039419
1,1,1-Trichloroethane	ND		1.00	1	04/11/2023 06:22	WG2039419
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/11/2023 06:22	WG2039419
1,1,2-Trichloroethane	ND		1.00	1	04/11/2023 06:22	WG2039419
1,1-Dichloroethane	ND		1.00	1	04/11/2023 06:22	WG2039419
1,1-Dichloroethene	ND		1.00	1	04/11/2023 06:22	WG2039419
1,2,3-Trichloropropane	ND		1.00	1	04/11/2023 06:22	WG2039419
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/11/2023 06:22	WG2039419
1,2-Dibromoethane	ND		1.00	1	04/11/2023 06:22	WG2039419
1,2-Dichlorobenzene	ND		1.00	1	04/11/2023 06:22	WG2039419
1,2-Dichloroethane	ND		1.00	1	04/11/2023 06:22	WG2039419
1,2-Dichloropropane	ND		1.00	1	04/11/2023 06:22	WG2039419
1,4-Dichlorobenzene	ND		1.00	1	04/11/2023 06:22	WG2039419
2-Butanone (MEK)	ND		5.00	1	04/11/2023 06:22	WG2039419
2-Hexanone	ND		5.00	1	04/11/2023 06:22	WG2039419
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/11/2023 06:22	WG2039419
Acetone	ND		10.0	1	04/11/2023 06:22	WG2039419
Acrylonitrile	ND		20.0	1	04/11/2023 06:22	WG2039419
Benzene	ND		1.00	1	04/11/2023 06:22	WG2039419
Bromochloromethane	ND		1.00	1	04/11/2023 06:22	WG2039419
Bromodichloromethane	ND		1.00	1	04/11/2023 06:22	WG2039419
Bromoform	ND		1.00	1	04/11/2023 06:22	WG2039419
Bromomethane	ND		1.00	1	04/11/2023 06:22	WG2039419
Carbon disulfide	ND		1.00	1	04/11/2023 06:22	WG2039419
Carbon tetrachloride	ND		1.00	1	04/11/2023 06:22	WG2039419
Chlorobenzene	ND		1.00	1	04/11/2023 06:22	WG2039419
Chloroethane	ND		1.00	1	04/11/2023 06:22	WG2039419
Chloroform	ND		1.00	1	04/11/2023 06:22	WG2039419
Chloromethane	ND		1.00	1	04/11/2023 06:22	WG2039419
Dibromochloromethane	ND		1.00	1	04/11/2023 06:22	WG2039419
Dibromomethane	ND		1.00	1	04/11/2023 06:22	WG2039419
Ethylbenzene	ND		1.00	1	04/11/2023 06:22	WG2039419
Iodomethane	ND		1.00	1	04/11/2023 06:22	WG2039419
Methylene Chloride	ND		1.07	1	04/11/2023 06:22	WG2039419
Styrene	ND		1.00	1	04/11/2023 06:22	WG2039419
Tetrachloroethene	ND		1.00	1	04/11/2023 06:22	WG2039419
Toluene	ND		1.00	1	04/11/2023 06:22	WG2039419
Trichloroethene	ND		1.00	1	04/11/2023 06:22	WG2039419
Trichlorofluoromethane	ND		1.00	1	04/11/2023 06:22	WG2039419
Vinyl acetate	ND		5.00	1	04/11/2023 06:22	WG2039419
Vinyl chloride	ND		1.00	1	04/11/2023 06:22	WG2039419
Xylenes, Total	ND		1.00	1	04/11/2023 06:22	WG2039419
cis-1,2-Dichloroethene	ND		1.00	1	04/11/2023 06:22	WG2039419
cis-1,3-Dichloropropene	ND		1.00	1	04/11/2023 06:22	WG2039419
trans-1,2-Dichloroethene	ND		1.00	1	04/11/2023 06:22	WG2039419
trans-1,3-Dichloropropene	ND		1.00	1	04/11/2023 06:22	WG2039419
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/11/2023 06:22	WG2039419
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*	*04/11/2023 06:22*	WG2039419
(S) 4-Bromofluorobenzene	*89.8*			*77.0-126*	*04/11/2023 06:22*	WG2039419
(S) Toluene-d8	*101*			*80.0-120*	*04/11/2023 06:22*	WG2039419

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.7	su
Specific Conductance (on site)	709	umhos/cm
Temperature (on-site)	14.4	Deg. C
Turbidity (on-site)	3.7	NTU
Dissolved Oxygen (on-site)	0.6	mg/l
eH/ORP (On Site)	164.7	mV
Depth to water (DTW) (FROM TOC)	29.93	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	334		10.0	1	04/14/2023 05:35	WG2040629

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	28.7		3.00	1	04/14/2023 01:31	WG2040981
Sulfate	19.7		5.00	1	04/14/2023 01:31	WG2040981

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.61		1.00	1	04/12/2023 19:18	WG2040229

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/13/2023 02:38	WG2039058
Barium,Total Recoverable	0.138		0.00500	1	04/13/2023 02:38	WG2039058
Iron, Total Recoverable	ND		0.0600	1	04/13/2023 02:38	WG2039058
Manganese,Total Recoverable	2.46		0.00300	1	04/13/2023 02:38	WG2039058
Lead, Total Recoverable	ND		0.00500	1	04/13/2023 02:38	WG2039058
Selenium, Total Recoverable	ND		0.0100	1	04/13/2023 02:38	WG2039058

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/11/2023 22:02	WG2039065
Beryllium, Total Recoverable	ND		0.00100	1	04/11/2023 22:02	WG2039065
Cadmium, Total Recoverable	0.00461		0.00100	1	04/11/2023 22:02	WG2039065
Cobalt,Total Recoverable	ND		0.00300	1	04/11/2023 22:02	WG2039065
Chromium, Total Recoverable	ND		0.00300	1	04/11/2023 22:02	WG2039065
Copper, Total Recoverable	ND		0.00400	1	04/11/2023 22:02	WG2039065
Nickel, Total Recoverable	0.0185		0.00400	1	04/11/2023 22:02	WG2039065
Antimony, Total Recoverable	ND		0.00200	1	04/11/2023 22:02	WG2039065
Thallium, Total Recoverable	ND		0.00100	1	04/11/2023 22:02	WG2039065
Vanadium,Total Recoverable	ND		0.00300	1	04/11/2023 22:02	WG2039065
Zinc, Total Recoverable	0.0191	J	0.00500	1	04/11/2023 22:02	WG2039065

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/11/2023 06:43	WG2039419
1,1,1-Trichloroethane	ND		1.00	1	04/11/2023 06:43	WG2039419
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/11/2023 06:43	WG2039419
1,1,2-Trichloroethane	ND		1.00	1	04/11/2023 06:43	WG2039419
1,1-Dichloroethane	ND		1.00	1	04/11/2023 06:43	WG2039419
1,1-Dichloroethene	ND		1.00	1	04/11/2023 06:43	WG2039419
1,2,3-Trichloropropane	ND		1.00	1	04/11/2023 06:43	WG2039419
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/11/2023 06:43	WG2039419
1,2-Dibromoethane	ND		1.00	1	04/11/2023 06:43	WG2039419
1,2-Dichlorobenzene	ND		1.00	1	04/11/2023 06:43	WG2039419
1,2-Dichloroethane	ND		1.00	1	04/11/2023 06:43	WG2039419
1,2-Dichloropropane	ND		1.00	1	04/11/2023 06:43	WG2039419
1,4-Dichlorobenzene	ND		1.00	1	04/11/2023 06:43	WG2039419
2-Butanone (MEK)	ND		5.00	1	04/11/2023 06:43	WG2039419
2-Hexanone	ND		5.00	1	04/11/2023 06:43	WG2039419
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/11/2023 06:43	WG2039419
Acetone	ND		10.0	1	04/11/2023 06:43	WG2039419
Acrylonitrile	ND		20.0	1	04/11/2023 06:43	WG2039419
Benzene	ND		1.00	1	04/11/2023 06:43	WG2039419
Bromochloromethane	ND		1.00	1	04/11/2023 06:43	WG2039419
Bromodichloromethane	ND		1.00	1	04/11/2023 06:43	WG2039419
Bromoform	ND		1.00	1	04/11/2023 06:43	WG2039419
Bromomethane	ND		1.00	1	04/11/2023 06:43	WG2039419
Carbon disulfide	ND		1.00	1	04/11/2023 06:43	WG2039419
Carbon tetrachloride	ND		1.00	1	04/11/2023 06:43	WG2039419
Chlorobenzene	ND		1.00	1	04/11/2023 06:43	WG2039419
Chloroethane	ND		1.00	1	04/11/2023 06:43	WG2039419
Chloroform	ND		1.00	1	04/11/2023 06:43	WG2039419
Chloromethane	ND		1.00	1	04/11/2023 06:43	WG2039419
Dibromochloromethane	ND		1.00	1	04/11/2023 06:43	WG2039419
Dibromomethane	ND		1.00	1	04/11/2023 06:43	WG2039419
Ethylbenzene	ND		1.00	1	04/11/2023 06:43	WG2039419
Iodomethane	ND		1.00	1	04/11/2023 06:43	WG2039419
Methylene Chloride	ND		1.07	1	04/11/2023 06:43	WG2039419
Styrene	ND		1.00	1	04/11/2023 06:43	WG2039419
Tetrachloroethene	ND		1.00	1	04/11/2023 06:43	WG2039419
Toluene	ND		1.00	1	04/11/2023 06:43	WG2039419
Trichloroethene	ND		1.00	1	04/11/2023 06:43	WG2039419
Trichlorofluoromethane	ND		1.00	1	04/11/2023 06:43	WG2039419
Vinyl acetate	ND		5.00	1	04/11/2023 06:43	WG2039419
Vinyl chloride	ND		1.00	1	04/11/2023 06:43	WG2039419
Xylenes, Total	ND		1.00	1	04/11/2023 06:43	WG2039419
cis-1,2-Dichloroethene	ND		1.00	1	04/11/2023 06:43	WG2039419
cis-1,3-Dichloropropene	ND		1.00	1	04/11/2023 06:43	WG2039419
trans-1,2-Dichloroethene	ND		1.00	1	04/11/2023 06:43	WG2039419
trans-1,3-Dichloropropene	ND		1.00	1	04/11/2023 06:43	WG2039419
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/11/2023 06:43	WG2039419
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*	*04/11/2023 06:43*	WG2039419
(S) 4-Bromofluorobenzene	*90.1*			*77.0-126*	*04/11/2023 06:43*	WG2039419
(S) Toluene-d8	*101*			*80.0-120*	*04/11/2023 06:43*	WG2039419

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.13	su
Specific Conductance (on site)	407	umhos/cm
Temperature (on-site)	12.9	Deg. C
Turbidity (on-site)	6.5	NTU
Dissolved Oxygen (on-site)	4.5	mg/l
eH/ORP (On Site)	172.6	mV
Depth to water (DTW) (FROM TOC)	17.91	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	198		10.0	1	04/14/2023 01:43	WG2040637

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	5.40		3.00	1	04/14/2023 01:47	WG2040981
Sulfate	ND		5.00	1	04/14/2023 01:47	WG2040981

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	04/12/2023 19:36	WG2040229

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/13/2023 02:16	WG2039061
Barium,Total Recoverable	0.0860		0.00500	1	04/13/2023 02:16	WG2039061
Iron, Total Recoverable	ND		0.0600	1	04/13/2023 02:16	WG2039061
Manganese,Total Recoverable	ND		0.00300	1	04/13/2023 02:16	WG2039061
Lead, Total Recoverable	ND		0.00500	1	04/13/2023 02:16	WG2039061
Selenium, Total Recoverable	ND		0.0100	1	04/13/2023 02:16	WG2039061

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/11/2023 22:06	WG2039065
Beryllium, Total Recoverable	ND		0.00100	1	04/11/2023 22:06	WG2039065
Cadmium, Total Recoverable	ND		0.00100	1	04/11/2023 22:06	WG2039065
Cobalt,Total Recoverable	ND		0.00300	1	04/11/2023 22:06	WG2039065
Chromium, Total Recoverable	ND		0.00300	1	04/11/2023 22:06	WG2039065
Copper, Total Recoverable	ND		0.00400	1	04/11/2023 22:06	WG2039065
Nickel, Total Recoverable	ND		0.00400	1	04/11/2023 22:06	WG2039065
Antimony, Total Recoverable	ND		0.00200	1	04/11/2023 22:06	WG2039065
Thallium, Total Recoverable	ND		0.00100	1	04/11/2023 22:06	WG2039065
Vanadium,Total Recoverable	ND		0.00300	1	04/11/2023 22:06	WG2039065
Zinc, Total Recoverable	ND		0.00500	1	04/11/2023 22:06	WG2039065

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/11/2023 07:05	WG2039419
1,1,1-Trichloroethane	ND		1.00	1	04/11/2023 07:05	WG2039419
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/11/2023 07:05	WG2039419
1,1,2-Trichloroethane	ND		1.00	1	04/11/2023 07:05	WG2039419
1,1-Dichloroethane	ND		1.00	1	04/11/2023 07:05	WG2039419
1,1-Dichloroethene	ND		1.00	1	04/11/2023 07:05	WG2039419
1,2,3-Trichloropropane	ND		1.00	1	04/11/2023 07:05	WG2039419
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/11/2023 07:05	WG2039419
1,2-Dibromoethane	ND		1.00	1	04/11/2023 07:05	WG2039419
1,2-Dichlorobenzene	ND		1.00	1	04/11/2023 07:05	WG2039419
1,2-Dichloroethane	ND		1.00	1	04/11/2023 07:05	WG2039419
1,2-Dichloropropane	ND		1.00	1	04/11/2023 07:05	WG2039419
1,4-Dichlorobenzene	ND		1.00	1	04/11/2023 07:05	WG2039419
2-Butanone (MEK)	ND		5.00	1	04/11/2023 07:05	WG2039419
2-Hexanone	ND		5.00	1	04/11/2023 07:05	WG2039419
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/11/2023 07:05	WG2039419
Acetone	ND		10.0	1	04/11/2023 07:05	WG2039419
Acrylonitrile	ND		20.0	1	04/11/2023 07:05	WG2039419
Benzene	ND		1.00	1	04/11/2023 07:05	WG2039419
Bromochloromethane	ND		1.00	1	04/11/2023 07:05	WG2039419
Bromodichloromethane	ND		1.00	1	04/11/2023 07:05	WG2039419
Bromoform	ND		1.00	1	04/11/2023 07:05	WG2039419
Bromomethane	ND		1.00	1	04/11/2023 07:05	WG2039419
Carbon disulfide	ND		1.00	1	04/11/2023 07:05	WG2039419
Carbon tetrachloride	ND		1.00	1	04/11/2023 07:05	WG2039419
Chlorobenzene	ND		1.00	1	04/11/2023 07:05	WG2039419
Chloroethane	ND		1.00	1	04/11/2023 07:05	WG2039419
Chloroform	ND		1.00	1	04/11/2023 07:05	WG2039419
Chloromethane	ND		1.00	1	04/11/2023 07:05	WG2039419
Dibromochloromethane	ND		1.00	1	04/11/2023 07:05	WG2039419
Dibromomethane	ND		1.00	1	04/11/2023 07:05	WG2039419
Ethylbenzene	ND		1.00	1	04/11/2023 07:05	WG2039419
Iodomethane	ND		1.00	1	04/11/2023 07:05	WG2039419
Methylene Chloride	ND		1.07	1	04/11/2023 07:05	WG2039419
Styrene	ND		1.00	1	04/11/2023 07:05	WG2039419
Tetrachloroethene	ND		1.00	1	04/11/2023 07:05	WG2039419
Toluene	ND		1.00	1	04/11/2023 07:05	WG2039419
Trichloroethene	ND		1.00	1	04/11/2023 07:05	WG2039419
Trichlorofluoromethane	ND		1.00	1	04/11/2023 07:05	WG2039419
Vinyl acetate	ND		5.00	1	04/11/2023 07:05	WG2039419
Vinyl chloride	ND		1.00	1	04/11/2023 07:05	WG2039419
Xylenes, Total	ND		1.00	1	04/11/2023 07:05	WG2039419
cis-1,2-Dichloroethene	ND		1.00	1	04/11/2023 07:05	WG2039419
cis-1,3-Dichloropropene	ND		1.00	1	04/11/2023 07:05	WG2039419
trans-1,2-Dichloroethene	ND		1.00	1	04/11/2023 07:05	WG2039419
trans-1,3-Dichloropropene	ND		1.00	1	04/11/2023 07:05	WG2039419
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/11/2023 07:05	WG2039419
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*	*04/11/2023 07:05*	WG2039419
(S) 4-Bromofluorobenzene	*89.3*			*77.0-126*	*04/11/2023 07:05*	WG2039419
(S) Toluene-d8	*103*			*80.0-120*	*04/11/2023 07:05*	WG2039419

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.7	su
Specific Conductance (on site)	679	umhos/cm
Temperature (on-site)	14.1	Deg. C
Turbidity (on-site)	7.8	NTU
Dissolved Oxygen (on-site)	2.1	mg/l
eH/ORP (On Site)	153.8	mV
Depth to water (DTW) (FROM TOC)	15.69	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	345		10.0	1	04/14/2023 01:43	WG2040637

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	13.0		3.00	1	04/14/2023 02:02	WG2040981
Sulfate	ND		5.00	1	04/14/2023 02:02	WG2040981

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	04/12/2023 19:54	WG2040229

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/13/2023 02:19	WG2039061
Barium,Total Recoverable	0.0641		0.00500	1	04/13/2023 02:19	WG2039061
Iron, Total Recoverable	ND		0.0600	1	04/13/2023 02:19	WG2039061
Manganese,Total Recoverable	ND		0.00300	1	04/13/2023 02:19	WG2039061
Lead, Total Recoverable	ND		0.00500	1	04/13/2023 02:19	WG2039061
Selenium, Total Recoverable	ND		0.0100	1	04/13/2023 02:19	WG2039061

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/11/2023 22:09	WG2039065
Beryllium, Total Recoverable	ND		0.00100	1	04/11/2023 22:09	WG2039065
Cadmium, Total Recoverable	ND		0.00100	1	04/11/2023 22:09	WG2039065
Cobalt,Total Recoverable	ND		0.00300	1	04/11/2023 22:09	WG2039065
Chromium, Total Recoverable	ND		0.00300	1	04/11/2023 22:09	WG2039065
Copper, Total Recoverable	ND		0.00400	1	04/11/2023 22:09	WG2039065
Nickel, Total Recoverable	ND		0.00400	1	04/11/2023 22:09	WG2039065
Antimony, Total Recoverable	ND		0.00200	1	04/11/2023 22:09	WG2039065
Thallium, Total Recoverable	ND		0.00100	1	04/11/2023 22:09	WG2039065
Vanadium,Total Recoverable	ND		0.00300	1	04/11/2023 22:09	WG2039065
Zinc, Total Recoverable	0.0223	J	0.00500	1	04/11/2023 22:09	WG2039065

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/11/2023 07:26	WG2039419
1,1,1-Trichloroethane	ND		1.00	1	04/11/2023 07:26	WG2039419
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/11/2023 07:26	WG2039419
1,1,2-Trichloroethane	ND		1.00	1	04/11/2023 07:26	WG2039419
1,1-Dichloroethane	ND		1.00	1	04/11/2023 07:26	WG2039419
1,1-Dichloroethene	ND		1.00	1	04/11/2023 07:26	WG2039419
1,2,3-Trichloropropane	ND		1.00	1	04/11/2023 07:26	WG2039419
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/11/2023 07:26	WG2039419
1,2-Dibromoethane	ND		1.00	1	04/11/2023 07:26	WG2039419
1,2-Dichlorobenzene	ND		1.00	1	04/11/2023 07:26	WG2039419
1,2-Dichloroethane	ND		1.00	1	04/11/2023 07:26	WG2039419
1,2-Dichloropropane	ND		1.00	1	04/11/2023 07:26	WG2039419
1,4-Dichlorobenzene	ND		1.00	1	04/11/2023 07:26	WG2039419
2-Butanone (MEK)	ND		5.00	1	04/11/2023 07:26	WG2039419
2-Hexanone	ND		5.00	1	04/11/2023 07:26	WG2039419
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/11/2023 07:26	WG2039419
Acetone	ND		10.0	1	04/11/2023 07:26	WG2039419
Acrylonitrile	ND		20.0	1	04/11/2023 07:26	WG2039419
Benzene	ND		1.00	1	04/11/2023 07:26	WG2039419
Bromochloromethane	ND		1.00	1	04/11/2023 07:26	WG2039419
Bromodichloromethane	ND		1.00	1	04/11/2023 07:26	WG2039419
Bromoform	ND		1.00	1	04/11/2023 07:26	WG2039419
Bromomethane	ND		1.00	1	04/11/2023 07:26	WG2039419
Carbon disulfide	ND		1.00	1	04/11/2023 07:26	WG2039419
Carbon tetrachloride	ND		1.00	1	04/11/2023 07:26	WG2039419
Chlorobenzene	ND		1.00	1	04/11/2023 07:26	WG2039419
Chloroethane	ND		1.00	1	04/11/2023 07:26	WG2039419
Chloroform	ND		1.00	1	04/11/2023 07:26	WG2039419
Chloromethane	ND		1.00	1	04/11/2023 07:26	WG2039419
Dibromochloromethane	ND		1.00	1	04/11/2023 07:26	WG2039419
Dibromomethane	ND		1.00	1	04/11/2023 07:26	WG2039419
Ethylbenzene	ND		1.00	1	04/11/2023 07:26	WG2039419
Iodomethane	ND		1.00	1	04/11/2023 07:26	WG2039419
Methylene Chloride	ND		1.07	1	04/11/2023 07:26	WG2039419
Styrene	ND		1.00	1	04/11/2023 07:26	WG2039419
Tetrachloroethene	ND		1.00	1	04/11/2023 07:26	WG2039419
Toluene	ND		1.00	1	04/11/2023 07:26	WG2039419
Trichloroethene	ND		1.00	1	04/11/2023 07:26	WG2039419
Trichlorofluoromethane	ND		1.00	1	04/11/2023 07:26	WG2039419
Vinyl acetate	ND		5.00	1	04/11/2023 07:26	WG2039419
Vinyl chloride	ND		1.00	1	04/11/2023 07:26	WG2039419
Xylenes, Total	ND		1.00	1	04/11/2023 07:26	WG2039419
cis-1,2-Dichloroethene	ND		1.00	1	04/11/2023 07:26	WG2039419
cis-1,3-Dichloropropene	ND		1.00	1	04/11/2023 07:26	WG2039419
trans-1,2-Dichloroethene	ND		1.00	1	04/11/2023 07:26	WG2039419
trans-1,3-Dichloropropene	ND		1.00	1	04/11/2023 07:26	WG2039419
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/11/2023 07:26	WG2039419
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*	*04/11/2023 07:26*	WG2039419
(S) 4-Bromofluorobenzene	*89.6*			*77.0-126*	*04/11/2023 07:26*	WG2039419
(S) Toluene-d8	*102*			*80.0-120*	*04/11/2023 07:26*	WG2039419

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/13/2023 11:37	WG2041307
1,1,1-Trichloroethane	ND		1.00	1	04/13/2023 11:37	WG2041307
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/13/2023 11:37	WG2041307
1,1,2-Trichloroethane	ND		1.00	1	04/13/2023 11:37	WG2041307
1,1-Dichloroethane	ND		1.00	1	04/13/2023 11:37	WG2041307
1,1-Dichloroethene	ND		1.00	1	04/13/2023 11:37	WG2041307
1,2,3-Trichloropropane	ND		1.00	1	04/13/2023 11:37	WG2041307
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/13/2023 11:37	WG2041307
1,2-Dibromoethane	ND		1.00	1	04/13/2023 11:37	WG2041307
1,2-Dichlorobenzene	ND		1.00	1	04/13/2023 11:37	WG2041307
1,2-Dichloroethane	ND		1.00	1	04/13/2023 11:37	WG2041307
1,2-Dichloropropane	ND		1.00	1	04/13/2023 11:37	WG2041307
1,4-Dichlorobenzene	ND		1.00	1	04/13/2023 11:37	WG2041307
2-Butanone (MEK)	ND		5.00	1	04/13/2023 11:37	WG2041307
2-Hexanone	ND		5.00	1	04/13/2023 11:37	WG2041307
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/13/2023 11:37	WG2041307
Acetone	ND		10.0	1	04/13/2023 11:37	WG2041307
Acrylonitrile	ND		20.0	1	04/13/2023 11:37	WG2041307
Benzene	ND		1.00	1	04/13/2023 11:37	WG2041307
Bromochloromethane	ND		1.00	1	04/13/2023 11:37	WG2041307
Bromodichloromethane	ND		1.00	1	04/13/2023 11:37	WG2041307
Bromoform	ND		1.00	1	04/13/2023 11:37	WG2041307
Bromomethane	ND		1.00	1	04/13/2023 11:37	WG2041307
Carbon disulfide	ND		1.00	1	04/13/2023 11:37	WG2041307
Carbon tetrachloride	ND		1.00	1	04/13/2023 11:37	WG2041307
Chlorobenzene	ND		1.00	1	04/13/2023 11:37	WG2041307
Chloroethane	ND		1.00	1	04/13/2023 11:37	WG2041307
Chloroform	ND		1.00	1	04/13/2023 11:37	WG2041307
Chloromethane	ND		1.00	1	04/13/2023 11:37	WG2041307
Dibromochloromethane	ND		1.00	1	04/13/2023 11:37	WG2041307
Dibromomethane	ND		1.00	1	04/13/2023 11:37	WG2041307
Ethylbenzene	ND		1.00	1	04/13/2023 11:37	WG2041307
Iodomethane	ND		1.00	1	04/13/2023 11:37	WG2041307
Methylene Chloride	ND		1.07	1	04/13/2023 11:37	WG2041307
Styrene	ND		1.00	1	04/13/2023 11:37	WG2041307
Tetrachloroethene	ND		1.00	1	04/13/2023 11:37	WG2041307
Toluene	ND		1.00	1	04/13/2023 11:37	WG2041307
Trichloroethene	ND		1.00	1	04/13/2023 11:37	WG2041307
Trichlorofluoromethane	ND		1.00	1	04/13/2023 11:37	WG2041307
Vinyl acetate	ND		5.00	1	04/13/2023 11:37	WG2041307
Vinyl chloride	ND		1.00	1	04/13/2023 11:37	WG2041307
Xylenes, Total	ND		1.00	1	04/13/2023 11:37	WG2041307
cis-1,2-Dichloroethene	ND		1.00	1	04/13/2023 11:37	WG2041307
cis-1,3-Dichloropropene	ND		1.00	1	04/13/2023 11:37	WG2041307
trans-1,2-Dichloroethene	ND		1.00	1	04/13/2023 11:37	WG2041307
trans-1,3-Dichloropropene	ND		1.00	1	04/13/2023 11:37	WG2041307
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/13/2023 11:37	WG2041307
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*	*04/13/2023 11:37*	WG2041307
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*	*04/13/2023 11:37*	WG2041307
(S) Toluene-d8	*103*			*80.0-120*	*04/13/2023 11:37*	WG2041307

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.62	su
Specific Conductance (on site)	540	umhos/cm
Temperature (on-site)	11.5	Deg. C
Turbidity (on-site)	4.1	NTU
Dissolved Oxygen (on-site)	2.9	mg/l
eH/ORP (On Site)	202.1	mV
Depth to water (DTW) (FROM TOC)	19.84	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	329		10.0	1	04/12/2023 01:05	WG2039715

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	33.3		3.00	1	04/14/2023 02:18	WG2040981
Sulfate	12.2		5.00	1	04/14/2023 02:18	WG2040981

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	3.84		1.00	1	04/12/2023 20:16	WG2040229

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/13/2023 02:22	WG2039061
Barium,Total Recoverable	0.137		0.00500	1	04/13/2023 02:22	WG2039061
Iron, Total Recoverable	ND		0.0600	1	04/13/2023 02:22	WG2039061
Manganese,Total Recoverable	0.0143		0.00300	1	04/13/2023 02:22	WG2039061
Lead, Total Recoverable	ND		0.00500	1	04/13/2023 02:22	WG2039061
Selenium, Total Recoverable	ND		0.0100	1	04/13/2023 02:22	WG2039061

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/11/2023 22:12	WG2039065
Beryllium, Total Recoverable	ND		0.00100	1	04/11/2023 22:12	WG2039065
Cadmium, Total Recoverable	ND		0.00100	1	04/11/2023 22:12	WG2039065
Cobalt,Total Recoverable	ND		0.00300	1	04/11/2023 22:12	WG2039065
Chromium, Total Recoverable	ND		0.00300	1	04/11/2023 22:12	WG2039065
Copper, Total Recoverable	ND		0.00400	1	04/11/2023 22:12	WG2039065
Nickel, Total Recoverable	ND		0.00400	1	04/11/2023 22:12	WG2039065
Antimony, Total Recoverable	ND		0.00200	1	04/11/2023 22:12	WG2039065
Thallium, Total Recoverable	ND		0.00100	1	04/11/2023 22:12	WG2039065
Vanadium,Total Recoverable	ND		0.00300	1	04/11/2023 22:12	WG2039065
Zinc, Total Recoverable	ND		0.00500	1	04/11/2023 22:12	WG2039065

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/11/2023 07:46	WG2039419
1,1,1-Trichloroethane	ND		1.00	1	04/11/2023 07:46	WG2039419
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/11/2023 07:46	WG2039419
1,1,2-Trichloroethane	ND		1.00	1	04/11/2023 07:46	WG2039419
1,1-Dichloroethane	ND		1.00	1	04/11/2023 07:46	WG2039419
1,1-Dichloroethene	ND		1.00	1	04/11/2023 07:46	WG2039419
1,2,3-Trichloropropane	ND		1.00	1	04/11/2023 07:46	WG2039419
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/11/2023 07:46	WG2039419
1,2-Dibromoethane	ND		1.00	1	04/11/2023 07:46	WG2039419
1,2-Dichlorobenzene	ND		1.00	1	04/11/2023 07:46	WG2039419
1,2-Dichloroethane	ND		1.00	1	04/11/2023 07:46	WG2039419
1,2-Dichloropropane	ND		1.00	1	04/11/2023 07:46	WG2039419
1,4-Dichlorobenzene	ND		1.00	1	04/11/2023 07:46	WG2039419
2-Butanone (MEK)	ND		5.00	1	04/11/2023 07:46	WG2039419
2-Hexanone	ND		5.00	1	04/11/2023 07:46	WG2039419
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/11/2023 07:46	WG2039419
Acetone	ND		10.0	1	04/11/2023 07:46	WG2039419
Acrylonitrile	ND		20.0	1	04/11/2023 07:46	WG2039419
Benzene	ND		1.00	1	04/11/2023 07:46	WG2039419
Bromochloromethane	ND		1.00	1	04/11/2023 07:46	WG2039419
Bromodichloromethane	ND		1.00	1	04/11/2023 07:46	WG2039419
Bromoform	ND		1.00	1	04/11/2023 07:46	WG2039419
Bromomethane	ND		1.00	1	04/11/2023 07:46	WG2039419
Carbon disulfide	ND		1.00	1	04/11/2023 07:46	WG2039419
Carbon tetrachloride	ND		1.00	1	04/11/2023 07:46	WG2039419
Chlorobenzene	ND		1.00	1	04/11/2023 07:46	WG2039419
Chloroethane	ND		1.00	1	04/11/2023 07:46	WG2039419
Chloroform	ND		1.00	1	04/11/2023 07:46	WG2039419
Chloromethane	ND		1.00	1	04/11/2023 07:46	WG2039419
Dibromochloromethane	ND		1.00	1	04/11/2023 07:46	WG2039419
Dibromomethane	ND		1.00	1	04/11/2023 07:46	WG2039419
Ethylbenzene	ND		1.00	1	04/11/2023 07:46	WG2039419
Iodomethane	ND		1.00	1	04/11/2023 07:46	WG2039419
Methylene Chloride	ND		1.07	1	04/11/2023 07:46	WG2039419
Styrene	ND		1.00	1	04/11/2023 07:46	WG2039419
Tetrachloroethene	ND		1.00	1	04/11/2023 07:46	WG2039419
Toluene	ND		1.00	1	04/11/2023 07:46	WG2039419
Trichloroethene	ND		1.00	1	04/11/2023 07:46	WG2039419
Trichlorofluoromethane	ND		1.00	1	04/11/2023 07:46	WG2039419
Vinyl acetate	ND		5.00	1	04/11/2023 07:46	WG2039419
Vinyl chloride	ND		1.00	1	04/11/2023 07:46	WG2039419
Xylenes, Total	ND		1.00	1	04/11/2023 07:46	WG2039419
cis-1,2-Dichloroethene	ND		1.00	1	04/11/2023 07:46	WG2039419
cis-1,3-Dichloropropene	ND		1.00	1	04/11/2023 07:46	WG2039419
trans-1,2-Dichloroethene	ND		1.00	1	04/11/2023 07:46	WG2039419
trans-1,3-Dichloropropene	ND		1.00	1	04/11/2023 07:46	WG2039419
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/11/2023 07:46	WG2039419
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*	*04/11/2023 07:46*	WG2039419
(S) 4-Bromofluorobenzene	*82.3*			*77.0-126*	*04/11/2023 07:46*	WG2039419
(S) Toluene-d8	*97.6*			*80.0-120*	*04/11/2023 07:46*	WG2039419

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.48	su
Specific Conductance (on site)	273	umhos/cm
Temperature (on-site)	16.6	Deg. C
Turbidity (on-site)	10.7	NTU
Dissolved Oxygen (on-site)	7.5	mg/l
eH/ORP (On Site)	177.3	mV
Depth to water (DTW) (FROM TOC)	100.25	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	149		10.0	1	04/14/2023 01:43	WG2040637

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	4.53		3.00	1	04/14/2023 02:34	WG2040981
Sulfate	ND		5.00	1	04/14/2023 02:34	WG2040981

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	04/12/2023 21:20	WG2040229

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/13/2023 02:25	WG2039061
Barium,Total Recoverable	0.0236		0.00500	1	04/13/2023 02:25	WG2039061
Iron, Total Recoverable	0.187		0.0600	1	04/13/2023 02:25	WG2039061
Manganese,Total Recoverable	0.0403		0.00300	1	04/13/2023 02:25	WG2039061
Lead, Total Recoverable	ND		0.00500	1	04/13/2023 02:25	WG2039061
Selenium, Total Recoverable	ND		0.0100	1	04/13/2023 02:25	WG2039061

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/11/2023 22:16	WG2039065
Beryllium, Total Recoverable	ND		0.00100	1	04/11/2023 22:16	WG2039065
Cadmium, Total Recoverable	ND		0.00100	1	04/11/2023 22:16	WG2039065
Cobalt,Total Recoverable	ND		0.00300	1	04/11/2023 22:16	WG2039065
Chromium, Total Recoverable	ND		0.00300	1	04/11/2023 22:16	WG2039065
Copper, Total Recoverable	ND		0.00400	1	04/11/2023 22:16	WG2039065
Nickel, Total Recoverable	ND		0.00400	1	04/11/2023 22:16	WG2039065
Antimony, Total Recoverable	ND		0.00200	1	04/11/2023 22:16	WG2039065
Thallium, Total Recoverable	ND		0.00100	1	04/11/2023 22:16	WG2039065
Vanadium,Total Recoverable	ND		0.00300	1	04/11/2023 22:16	WG2039065
Zinc, Total Recoverable	0.0110	J	0.00500	1	04/11/2023 22:16	WG2039065

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/11/2023 08:08	WG2039419
1,1,1-Trichloroethane	ND		1.00	1	04/11/2023 08:08	WG2039419
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/11/2023 08:08	WG2039419
1,1,2-Trichloroethane	ND		1.00	1	04/11/2023 08:08	WG2039419
1,1-Dichloroethane	ND		1.00	1	04/11/2023 08:08	WG2039419
1,1-Dichloroethene	ND		1.00	1	04/11/2023 08:08	WG2039419
1,2,3-Trichloropropane	ND		1.00	1	04/11/2023 08:08	WG2039419
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/11/2023 08:08	WG2039419
1,2-Dibromoethane	ND		1.00	1	04/11/2023 08:08	WG2039419
1,2-Dichlorobenzene	ND		1.00	1	04/11/2023 08:08	WG2039419
1,2-Dichloroethane	ND		1.00	1	04/11/2023 08:08	WG2039419
1,2-Dichloropropane	ND		1.00	1	04/11/2023 08:08	WG2039419
1,4-Dichlorobenzene	ND		1.00	1	04/11/2023 08:08	WG2039419
2-Butanone (MEK)	ND		5.00	1	04/11/2023 08:08	WG2039419
2-Hexanone	ND		5.00	1	04/11/2023 08:08	WG2039419
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/11/2023 08:08	WG2039419
Acetone	ND		10.0	1	04/11/2023 08:08	WG2039419
Acrylonitrile	ND		20.0	1	04/11/2023 08:08	WG2039419
Benzene	ND		1.00	1	04/11/2023 08:08	WG2039419
Bromochloromethane	ND		1.00	1	04/11/2023 08:08	WG2039419
Bromodichloromethane	ND		1.00	1	04/11/2023 08:08	WG2039419
Bromoform	ND		1.00	1	04/11/2023 08:08	WG2039419
Bromomethane	ND		1.00	1	04/11/2023 08:08	WG2039419
Carbon disulfide	ND		1.00	1	04/11/2023 08:08	WG2039419
Carbon tetrachloride	ND		1.00	1	04/11/2023 08:08	WG2039419
Chlorobenzene	ND		1.00	1	04/11/2023 08:08	WG2039419
Chloroethane	ND		1.00	1	04/11/2023 08:08	WG2039419
Chloroform	ND		1.00	1	04/11/2023 08:08	WG2039419
Chloromethane	ND		1.00	1	04/11/2023 08:08	WG2039419
Dibromochloromethane	ND		1.00	1	04/11/2023 08:08	WG2039419
Dibromomethane	ND		1.00	1	04/11/2023 08:08	WG2039419
Ethylbenzene	ND		1.00	1	04/11/2023 08:08	WG2039419
Iodomethane	ND		1.00	1	04/11/2023 08:08	WG2039419
Methylene Chloride	ND		1.07	1	04/11/2023 08:08	WG2039419
Styrene	ND		1.00	1	04/11/2023 08:08	WG2039419
Tetrachloroethene	ND		1.00	1	04/11/2023 08:08	WG2039419
Toluene	ND		1.00	1	04/11/2023 08:08	WG2039419
Trichloroethene	ND		1.00	1	04/11/2023 08:08	WG2039419
Trichlorofluoromethane	ND		1.00	1	04/11/2023 08:08	WG2039419
Vinyl acetate	ND		5.00	1	04/11/2023 08:08	WG2039419
Vinyl chloride	ND		1.00	1	04/11/2023 08:08	WG2039419
Xylenes, Total	ND		1.00	1	04/11/2023 08:08	WG2039419
cis-1,2-Dichloroethene	ND		1.00	1	04/11/2023 08:08	WG2039419
cis-1,3-Dichloropropene	ND		1.00	1	04/11/2023 08:08	WG2039419
trans-1,2-Dichloroethene	ND		1.00	1	04/11/2023 08:08	WG2039419
trans-1,3-Dichloropropene	ND		1.00	1	04/11/2023 08:08	WG2039419
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/11/2023 08:08	WG2039419
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*	*04/11/2023 08:08*	WG2039419
(S) 4-Bromofluorobenzene	*90.9*			*77.0-126*	*04/11/2023 08:08*	WG2039419
(S) Toluene-d8	*100*			*80.0-120*	*04/11/2023 08:08*	WG2039419

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.71	su
Specific Conductance (on site)	684	umhos/cm
Temperature (on-site)	13.7	Deg. C
Turbidity (on-site)	9.1	NTU
Dissolved Oxygen (on-site)	4.2	mg/l
eH/ORP (On Site)	156.5	mV
Depth to water (DTW) (FROM TOC)	70.15	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	04/12/2023 13:17	WG2040432

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	9.82		3.00	1	04/14/2023 02:50	WG2040981

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.44	su
Specific Conductance (on site)	139	umhos/cm
Temperature (on-site)	15.1	Deg. C
Turbidity (on-site)	7.9	NTU
Dissolved Oxygen (on-site)	7.4	mg/l
eH/ORP (On Site)	201.1	mV
Depth to water (DTW) (FROM TOC)	53.08	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	04/16/2023 10:56	WG2042825

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	4.75		3.00	1	04/14/2023 03:06	WG2040981

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.43	su
Specific Conductance (on site)	858	umhos/cm
Temperature (on-site)	15.8	Deg. C
Turbidity (on-site)	8.1	NTU
Dissolved Oxygen (on-site)	1.3	mg/l
eH/ORP (On Site)	161.8	mV
Depth to water (DTW) (FROM TOC)	58.18	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	429		10.0	1	04/14/2023 01:43	WG2040637

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	04/16/2023 11:00	WG2042825

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	21.5		3.00	1	04/14/2023 03:54	WG2040981

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nickel, Total Recoverable	0.0151		0.00400	1	04/16/2023 17:39	WG2042205

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.1	su
Specific Conductance (on site)	834	umhos/cm
Temperature (on-site)	16.4	Deg. C
Turbidity (on-site)	5.3	NTU
Dissolved Oxygen (on-site)	0.7	mg/l
eH/ORP (On Site)	174	mV
Depth to water (DTW) (FROM TOC)	69.41	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	0.162		0.100	1	04/12/2023 13:18	WG2040432

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	35.5		3.00	1	04/14/2023 04:10	WG2040981

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.48		1.00	1	04/12/2023 21:40	WG2040229

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.93	su
Specific Conductance (on site)	919	umhos/cm
Temperature (on-site)	15	Deg. C
Turbidity (on-site)	8.4	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	191.3	mV
Depth to water (DTW) (FROM TOC)	58.83	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	545		10.0	1	04/12/2023 01:05	WG2039715

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	0.267		0.100	1	04/12/2023 13:26	WG2040432

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	21.7		3.00	1	04/14/2023 04:26	WG2040981
Sulfate	ND		5.00	1	04/14/2023 04:26	WG2040981

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.22		1.00	1	04/12/2023 22:00	WG2040229

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/13/2023 02:45	WG2039061
Barium,Total Recoverable	0.108		0.00500	1	04/13/2023 02:45	WG2039061
Iron, Total Recoverable	12.4		0.0600	1	04/13/2023 02:45	WG2039061
Manganese,Total Recoverable	11.0		0.00300	1	04/13/2023 02:45	WG2039061
Lead, Total Recoverable	ND		0.00500	1	04/13/2023 02:45	WG2039061
Selenium, Total Recoverable	ND		0.0100	1	04/13/2023 02:45	WG2039061

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/14/2023 12:50	WG2039068
Beryllium, Total Recoverable	ND		0.00100	1	04/14/2023 12:50	WG2039068
Cadmium, Total Recoverable	ND		0.00100	1	04/14/2023 12:50	WG2039068
Cobalt,Total Recoverable	0.0706		0.00300	1	04/14/2023 12:50	WG2039068
Chromium, Total Recoverable	ND		0.00300	1	04/14/2023 12:50	WG2039068
Copper, Total Recoverable	ND		0.00400	1	04/14/2023 12:50	WG2039068
Nickel, Total Recoverable	0.171		0.00400	1	04/16/2023 17:43	WG2042205
Antimony, Total Recoverable	ND		0.00200	1	04/14/2023 12:50	WG2039068
Thallium, Total Recoverable	ND		0.00100	1	04/14/2023 12:50	WG2039068
Vanadium,Total Recoverable	ND		0.00300	1	04/14/2023 12:50	WG2039068
Zinc, Total Recoverable	0.152		0.00500	1	04/14/2023 12:50	WG2039068

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/11/2023 08:29	WG2039419
1,1,1-Trichloroethane	ND		1.00	1	04/11/2023 08:29	WG2039419
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/11/2023 08:29	WG2039419
1,1,2-Trichloroethane	ND		1.00	1	04/11/2023 08:29	WG2039419
1,1-Dichloroethane	1.15		1.00	1	04/11/2023 08:29	WG2039419
1,1-Dichloroethene	ND		1.00	1	04/11/2023 08:29	WG2039419
1,2,3-Trichloropropane	ND		1.00	1	04/11/2023 08:29	WG2039419
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/11/2023 08:29	WG2039419
1,2-Dibromoethane	ND		1.00	1	04/11/2023 08:29	WG2039419
1,2-Dichlorobenzene	ND		1.00	1	04/11/2023 08:29	WG2039419
1,2-Dichloroethane	ND		1.00	1	04/11/2023 08:29	WG2039419
1,2-Dichloropropane	ND		1.00	1	04/11/2023 08:29	WG2039419
1,4-Dichlorobenzene	1.87		1.00	1	04/11/2023 08:29	WG2039419
2-Butanone (MEK)	ND		5.00	1	04/11/2023 08:29	WG2039419
2-Hexanone	ND		5.00	1	04/11/2023 08:29	WG2039419
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/11/2023 08:29	WG2039419
Acetone	ND		10.0	1	04/11/2023 08:29	WG2039419
Acrylonitrile	ND		20.0	1	04/11/2023 08:29	WG2039419
Benzene	1.71		1.00	1	04/11/2023 08:29	WG2039419
Bromochloromethane	ND		1.00	1	04/11/2023 08:29	WG2039419
Bromodichloromethane	ND		1.00	1	04/11/2023 08:29	WG2039419
Bromoform	ND		1.00	1	04/11/2023 08:29	WG2039419
Bromomethane	ND		1.00	1	04/11/2023 08:29	WG2039419
Carbon disulfide	ND		1.00	1	04/11/2023 08:29	WG2039419
Carbon tetrachloride	ND		1.00	1	04/11/2023 08:29	WG2039419
Chlorobenzene	ND		1.00	1	04/11/2023 08:29	WG2039419
Chloroethane	ND		1.00	1	04/11/2023 08:29	WG2039419
Chloroform	ND		1.00	1	04/11/2023 08:29	WG2039419
Chloromethane	ND		1.00	1	04/11/2023 08:29	WG2039419
Dibromochloromethane	ND		1.00	1	04/11/2023 08:29	WG2039419
Dibromomethane	ND		1.00	1	04/11/2023 08:29	WG2039419
Ethylbenzene	ND		1.00	1	04/11/2023 08:29	WG2039419
Iodomethane	ND		1.00	1	04/11/2023 08:29	WG2039419
Methylene Chloride	ND		1.07	1	04/11/2023 08:29	WG2039419
Styrene	ND		1.00	1	04/11/2023 08:29	WG2039419
Tetrachloroethene	ND		1.00	1	04/11/2023 08:29	WG2039419
Toluene	ND		1.00	1	04/11/2023 08:29	WG2039419
Trichloroethene	ND		1.00	1	04/11/2023 08:29	WG2039419
Trichlorofluoromethane	ND		1.00	1	04/11/2023 08:29	WG2039419
Vinyl acetate	ND		5.00	1	04/11/2023 08:29	WG2039419
Vinyl chloride	ND		1.00	1	04/11/2023 08:29	WG2039419
Xylenes, Total	ND		1.00	1	04/11/2023 08:29	WG2039419
cis-1,2-Dichloroethene	1.19		1.00	1	04/11/2023 08:29	WG2039419
cis-1,3-Dichloropropene	ND		1.00	1	04/11/2023 08:29	WG2039419
trans-1,2-Dichloroethene	ND		1.00	1	04/11/2023 08:29	WG2039419
trans-1,3-Dichloropropene	ND		1.00	1	04/11/2023 08:29	WG2039419
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/11/2023 08:29	WG2039419
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*	*04/11/2023 08:29*	WG2039419
(S) 4-Bromofluorobenzene	*88.2*			*77.0-126*	*04/11/2023 08:29*	WG2039419
(S) Toluene-d8	*101*			*80.0-120*	*04/11/2023 08:29*	WG2039419

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	311		10.0	1	04/14/2023 01:43	WG2040637

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	04/12/2023 13:29	WG2040432

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	33.5		3.00	1	04/14/2023 04:42	WG2040981
Sulfate	12.4		5.00	1	04/14/2023 04:42	WG2040981

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	3.99		1.00	1	04/12/2023 22:22	WG2040229

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/13/2023 02:48	WG2039061
Barium,Total Recoverable	0.135		0.00500	1	04/13/2023 02:48	WG2039061
Iron, Total Recoverable	ND		0.0600	1	04/13/2023 02:48	WG2039061
Manganese,Total Recoverable	0.0116		0.00300	1	04/13/2023 02:48	WG2039061
Lead, Total Recoverable	ND		0.00500	1	04/13/2023 02:48	WG2039061
Selenium, Total Recoverable	ND		0.0100	1	04/13/2023 02:48	WG2039061

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/14/2023 13:00	WG2039068
Beryllium, Total Recoverable	ND		0.00100	1	04/14/2023 13:00	WG2039068
Cadmium, Total Recoverable	ND		0.00100	1	04/14/2023 13:00	WG2039068
Cobalt,Total Recoverable	ND		0.00300	1	04/14/2023 13:00	WG2039068
Chromium, Total Recoverable	ND		0.00300	1	04/14/2023 13:00	WG2039068
Copper, Total Recoverable	ND		0.00400	1	04/14/2023 13:00	WG2039068
Nickel, Total Recoverable	ND		0.00400	1	04/16/2023 17:46	WG2042205
Antimony, Total Recoverable	ND		0.00200	1	04/14/2023 13:00	WG2039068
Thallium, Total Recoverable	ND		0.00100	1	04/14/2023 13:00	WG2039068
Vanadium,Total Recoverable	ND		0.00300	1	04/14/2023 13:00	WG2039068
Zinc, Total Recoverable	ND		0.00500	1	04/14/2023 13:00	WG2039068

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/11/2023 08:50	WG2039419
1,1,1-Trichloroethane	ND		1.00	1	04/11/2023 08:50	WG2039419
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/11/2023 08:50	WG2039419
1,1,2-Trichloroethane	ND		1.00	1	04/11/2023 08:50	WG2039419
1,1-Dichloroethane	ND		1.00	1	04/11/2023 08:50	WG2039419
1,1-Dichloroethene	ND		1.00	1	04/11/2023 08:50	WG2039419
1,2,3-Trichloropropane	ND		1.00	1	04/11/2023 08:50	WG2039419

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/11/2023 08:50	WG2039419
1,2-Dibromoethane	ND		1.00	1	04/11/2023 08:50	WG2039419
1,2-Dichlorobenzene	ND		1.00	1	04/11/2023 08:50	WG2039419
1,2-Dichloroethane	ND		1.00	1	04/11/2023 08:50	WG2039419
1,2-Dichloropropane	ND		1.00	1	04/11/2023 08:50	WG2039419
1,4-Dichlorobenzene	ND		1.00	1	04/11/2023 08:50	WG2039419
2-Butanone (MEK)	ND		5.00	1	04/11/2023 08:50	WG2039419
2-Hexanone	ND		5.00	1	04/11/2023 08:50	WG2039419
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/11/2023 08:50	WG2039419
Acetone	ND		10.0	1	04/11/2023 08:50	WG2039419
Acrylonitrile	ND		20.0	1	04/11/2023 08:50	WG2039419
Benzene	ND		1.00	1	04/11/2023 08:50	WG2039419
Bromochloromethane	ND		1.00	1	04/11/2023 08:50	WG2039419
Bromodichloromethane	ND		1.00	1	04/11/2023 08:50	WG2039419
Bromoform	ND		1.00	1	04/11/2023 08:50	WG2039419
Bromomethane	ND		1.00	1	04/11/2023 08:50	WG2039419
Carbon disulfide	ND		1.00	1	04/11/2023 08:50	WG2039419
Carbon tetrachloride	ND		1.00	1	04/11/2023 08:50	WG2039419
Chlorobenzene	ND		1.00	1	04/11/2023 08:50	WG2039419
Chloroethane	ND		1.00	1	04/11/2023 08:50	WG2039419
Chloroform	ND		1.00	1	04/11/2023 08:50	WG2039419
Chloromethane	ND		1.00	1	04/11/2023 08:50	WG2039419
Dibromochloromethane	ND		1.00	1	04/11/2023 08:50	WG2039419
Dibromomethane	ND		1.00	1	04/11/2023 08:50	WG2039419
Ethylbenzene	ND		1.00	1	04/11/2023 08:50	WG2039419
Iodomethane	ND		1.00	1	04/11/2023 08:50	WG2039419
Methylene Chloride	ND		1.07	1	04/11/2023 08:50	WG2039419
Styrene	ND		1.00	1	04/11/2023 08:50	WG2039419
Tetrachloroethene	ND		1.00	1	04/11/2023 08:50	WG2039419
Toluene	ND		1.00	1	04/11/2023 08:50	WG2039419
Trichloroethene	ND		1.00	1	04/11/2023 08:50	WG2039419
Trichlorofluoromethane	ND		1.00	1	04/11/2023 08:50	WG2039419
Vinyl acetate	ND		5.00	1	04/11/2023 08:50	WG2039419
Vinyl chloride	ND		1.00	1	04/11/2023 08:50	WG2039419
Xylenes, Total	ND		1.00	1	04/11/2023 08:50	WG2039419
cis-1,2-Dichloroethene	ND		1.00	1	04/11/2023 08:50	WG2039419
cis-1,3-Dichloropropene	ND		1.00	1	04/11/2023 08:50	WG2039419
trans-1,2-Dichloroethene	ND		1.00	1	04/11/2023 08:50	WG2039419
trans-1,3-Dichloropropene	ND		1.00	1	04/11/2023 08:50	WG2039419
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/11/2023 08:50	WG2039419
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*	*04/11/2023 08:50*	WG2039419
(S) 4-Bromofluorobenzene	*87.3*			*77.0-126*	*04/11/2023 08:50*	WG2039419
(S) Toluene-d8	*99.8*			*80.0-120*	*04/11/2023 08:50*	WG2039419

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	395		10.0	1	04/14/2023 01:43	WG2040637

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	04/12/2023 13:31	WG2040432

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	14.0		3.00	1	04/14/2023 04:58	WG2040981
Sulfate	ND		5.00	1	04/14/2023 04:58	WG2040981

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	04/12/2023 22:41	WG2040229

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	04/13/2023 02:51	WG2039061
Barium,Total Recoverable	0.210		0.00500	1	04/13/2023 02:51	WG2039061
Iron, Total Recoverable	1.50		0.0600	1	04/13/2023 02:51	WG2039061
Manganese,Total Recoverable	39.5		0.00600	5	04/13/2023 16:07	WG2039061
Lead, Total Recoverable	0.00555		0.00500	1	04/13/2023 02:51	WG2039061
Selenium, Total Recoverable	0.0208		0.0100	1	04/13/2023 02:51	WG2039061

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	04/14/2023 13:04	WG2039068
Beryllium, Total Recoverable	ND		0.00100	1	04/14/2023 13:04	WG2039068
Cadmium, Total Recoverable	0.00188		0.00100	1	04/14/2023 13:04	WG2039068
Cobalt,Total Recoverable	0.0243		0.00300	1	04/14/2023 13:04	WG2039068
Chromium, Total Recoverable	ND		0.00300	1	04/14/2023 13:04	WG2039068
Copper, Total Recoverable	ND		0.00400	1	04/14/2023 13:04	WG2039068
Nickel, Total Recoverable	0.159		0.00400	1	04/16/2023 17:57	WG2042205
Antimony, Total Recoverable	ND		0.00200	1	04/14/2023 13:04	WG2039068
Thallium, Total Recoverable	ND		0.00100	1	04/14/2023 13:04	WG2039068
Vanadium,Total Recoverable	ND		0.00300	1	04/14/2023 13:04	WG2039068
Zinc, Total Recoverable	0.154		0.00500	1	04/14/2023 13:04	WG2039068

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/11/2023 09:11	WG2039419
1,1,1-Trichloroethane	ND		1.00	1	04/11/2023 09:11	WG2039419
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/11/2023 09:11	WG2039419
1,1,2-Trichloroethane	ND		1.00	1	04/11/2023 09:11	WG2039419
1,1-Dichloroethane	ND		1.00	1	04/11/2023 09:11	WG2039419
1,1-Dichloroethene	ND		1.00	1	04/11/2023 09:11	WG2039419
1,2,3-Trichloropropane	ND		1.00	1	04/11/2023 09:11	WG2039419

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		2.00	1	04/11/2023 09:11	WG2039419
1,2-Dibromoethane	ND		1.00	1	04/11/2023 09:11	WG2039419
1,2-Dichlorobenzene	ND		1.00	1	04/11/2023 09:11	WG2039419
1,2-Dichloroethane	ND		1.00	1	04/11/2023 09:11	WG2039419
1,2-Dichloropropane	ND		1.00	1	04/11/2023 09:11	WG2039419
1,4-Dichlorobenzene	ND		1.00	1	04/11/2023 09:11	WG2039419
2-Butanone (MEK)	ND		5.00	1	04/11/2023 09:11	WG2039419
2-Hexanone	ND		5.00	1	04/11/2023 09:11	WG2039419
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	04/11/2023 09:11	WG2039419
Acetone	ND		10.0	1	04/11/2023 09:11	WG2039419
Acrylonitrile	ND		20.0	1	04/11/2023 09:11	WG2039419
Benzene	ND		1.00	1	04/11/2023 09:11	WG2039419
Bromochloromethane	ND		1.00	1	04/11/2023 09:11	WG2039419
Bromodichloromethane	ND		1.00	1	04/11/2023 09:11	WG2039419
Bromoform	ND		1.00	1	04/11/2023 09:11	WG2039419
Bromomethane	ND		1.00	1	04/11/2023 09:11	WG2039419
Carbon disulfide	ND		1.00	1	04/11/2023 09:11	WG2039419
Carbon tetrachloride	ND		1.00	1	04/11/2023 09:11	WG2039419
Chlorobenzene	ND		1.00	1	04/11/2023 09:11	WG2039419
Chloroethane	ND		1.00	1	04/11/2023 09:11	WG2039419
Chloroform	ND		1.00	1	04/11/2023 09:11	WG2039419
Chloromethane	ND		1.00	1	04/11/2023 09:11	WG2039419
Dibromochloromethane	ND		1.00	1	04/11/2023 09:11	WG2039419
Dibromomethane	ND		1.00	1	04/11/2023 09:11	WG2039419
Ethylbenzene	ND		1.00	1	04/11/2023 09:11	WG2039419
Iodomethane	ND		1.00	1	04/11/2023 09:11	WG2039419
Methylene Chloride	ND		1.07	1	04/11/2023 09:11	WG2039419
Styrene	ND		1.00	1	04/11/2023 09:11	WG2039419
Tetrachloroethene	ND		1.00	1	04/11/2023 09:11	WG2039419
Toluene	ND		1.00	1	04/11/2023 09:11	WG2039419
Trichloroethene	ND		1.00	1	04/11/2023 09:11	WG2039419
Trichlorofluoromethane	ND		1.00	1	04/11/2023 09:11	WG2039419
Vinyl acetate	ND		5.00	1	04/11/2023 09:11	WG2039419
Vinyl chloride	ND		1.00	1	04/11/2023 09:11	WG2039419
Xylenes, Total	ND		1.00	1	04/11/2023 09:11	WG2039419
cis-1,2-Dichloroethene	ND		1.00	1	04/11/2023 09:11	WG2039419
cis-1,3-Dichloropropene	ND		1.00	1	04/11/2023 09:11	WG2039419
trans-1,2-Dichloroethene	ND		1.00	1	04/11/2023 09:11	WG2039419
trans-1,3-Dichloropropene	ND		1.00	1	04/11/2023 09:11	WG2039419
trans-1,4-Dichloro-2-butene	ND		1.00	1	04/11/2023 09:11	WG2039419
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*	*04/11/2023 09:11*	WG2039419
(S) 4-Bromofluorobenzene	*92.6*			*77.0-126*	*04/11/2023 09:11*	WG2039419
(S) Toluene-d8	*103*			*80.0-120*	*04/11/2023 09:11*	WG2039419

Method Blank (MB)

(MB) R3913152-1 04/12/23 01:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	ND		2.82	10.0

L1602986-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1602986-01 04/12/23 01:05 • (DUP) R3913152-3 04/12/23 01:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1050	1010	1	4.07		5

L1603041-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1603041-01 04/12/23 01:05 • (DUP) R3913152-4 04/12/23 01:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	314	316	1	0.635		5

Laboratory Control Sample (LCS)

(LCS) R3913152-2 04/12/23 01:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8270	94.0	77.3-123	

Method Blank (MB)

(MB) R3913608-1 04/14/23 05:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	ND		2.82	10.0

L1603493-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1603493-02 04/14/23 05:35 • (DUP) R3913608-3 04/14/23 05:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	592	610	1	3.00		5

L1603505-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1603505-02 04/14/23 05:35 • (DUP) R3913608-4 04/14/23 05:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	391	400	1	2.28		5

Laboratory Control Sample (LCS)

(LCS) R3913608-2 04/14/23 05:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	7710	87.6	77.3-123	

Method Blank (MB)

(MB) R3913609-1 04/14/23 01:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	ND		2.82	10.0

L1603505-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1603505-13 04/14/23 01:43 • (DUP) R3913609-3 04/14/23 01:43

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	227	235	1	3.46		5

L1603813-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1603813-01 04/14/23 01:43 • (DUP) R3913609-4 04/14/23 01:43

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	460	459	1	0.218		5

Laboratory Control Sample (LCS)

(LCS) R3913609-2 04/14/23 01:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8300	94.3	77.3-123	

Method Blank (MB)

(MB) R3912379-1 04/12/23 12:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ammonia Nitrogen	0.0580		0.0317	0.100

L1603505-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1603505-04 04/12/23 12:57 • (DUP) R3912379-5 04/12/23 12:59

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

L1603505-29 Original Sample (OS) • Duplicate (DUP)

(OS) L1603505-29 04/12/23 13:26 • (DUP) R3912379-7 04/12/23 13:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	0.267	0.269	1	0.746		10

Laboratory Control Sample (LCS)

(LCS) R3912379-2 04/12/23 12:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.70	103	90.0-110	

L1603505-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603505-03 04/12/23 12:53 • (MS) R3912379-3 04/12/23 12:54 • (MSD) R3912379-4 04/12/23 12:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	ND	4.87	5.01	97.4	100	1	90.0-110			2.73	10

L1603505-28 Original Sample (OS) • Matrix Spike (MS)

(OS) L1603505-28 04/12/23 13:18 • (MS) R3912379-6 04/12/23 13:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	0.162	5.06	98.0	1	90.0-110	

Method Blank (MB)

(MB) R3913696-1 04/16/23 10:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ammonia Nitrogen	ND		0.0317	0.100

L1603505-27 Original Sample (OS) • Duplicate (DUP)

(OS) L1603505-27 04/16/23 11:00 • (DUP) R3913696-5 04/16/23 11:02

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

L1604765-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1604765-03 04/16/23 11:38 • (DUP) R3913696-7 04/16/23 11:39

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

Laboratory Control Sample (LCS)

(LCS) R3913696-2 04/16/23 10:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.72	103	90.0-110	

L1603505-26 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603505-26 04/16/23 10:56 • (MS) R3913696-3 04/16/23 10:57 • (MSD) R3913696-4 04/16/23 10:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	ND	4.92	5.10	98.4	102	1	90.0-110			3.56	10

L1604765-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1604765-02 04/16/23 11:35 • (MS) R3913696-6 04/16/23 11:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	ND	4.90	97.9	1	90.0-110	

Method Blank (MB)

(MB) R3912912-1 04/12/23 12:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	ND		0.0519	1.00
Sulfate	0.708	J	0.0774	5.00

L1603505-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1603505-02 04/12/23 21:45 • (DUP) R3912912-3 04/12/23 22:01

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	14.1	14.1	1	0.179		15
Sulfate	ND	ND	1	0.671		15

L1603505-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1603505-12 04/13/23 02:15 • (DUP) R3912912-6 04/13/23 02:31

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	7.83	7.83	1	0.0294		15
Sulfate	7.06	7.06	1	0.0807		15

Laboratory Control Sample (LCS)

(LCS) R3912912-2 04/12/23 12:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.1	95.1	80.0-120	
Sulfate	40.0	37.1	92.7	80.0-120	

L1603505-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603505-02 04/12/23 21:45 • (MS) R3912912-4 04/12/23 22:17 • (MSD) R3912912-5 04/12/23 23:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	14.1	61.3	60.8	94.3	93.5	1	80.0-120			0.724	15
Sulfate	50.0	ND	48.3	47.9	93.2	92.3	1	80.0-120			0.937	15

L1603505-12 Original Sample (OS) • Matrix Spike (MS)

(OS) L1603505-12 04/13/23 02:15 • (MS) R3912912-7 04/13/23 02:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	7.83	56.7	97.7	1	80.0-120	
Sulfate	50.0	7.06	55.5	96.8	1	80.0-120	

Method Blank (MB)

(MB) R3913591-1 04/13/23 21:07

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	ND		0.0519	1.00
Sulfate	ND		0.0774	5.00

L1603505-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1603505-13 04/13/23 22:36 • (DUP) R3913591-4 04/13/23 22:51

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	17.9	18.1	1	0.984		15
Sulfate	14.4	14.5	1	0.528		15

L1603505-31 Original Sample (OS) • Duplicate (DUP)

(OS) L1603505-31 04/14/23 04:58 • (DUP) R3913591-7 04/14/23 05:13

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	14.0	14.3	1	2.03		15
Sulfate	ND	ND	1	8.51		15

Laboratory Control Sample (LCS)

(LCS) R3913591-3 04/13/23 22:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.3	101	80.0-120	
Sulfate	40.0	39.6	99.0	80.0-120	

L1603505-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603505-13 04/13/23 22:36 • (MS) R3913591-5 04/13/23 23:07 • (MSD) R3913591-6 04/13/23 23:23

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	17.9	64.9	64.4	93.9	92.9	1	80.0-120			0.754	15
Sulfate	50.0	14.4	60.7	60.3	92.5	91.7	1	80.0-120			0.695	15

L1603505-31 Original Sample (OS) • Matrix Spike (MS)

(OS) L1603505-31 04/14/23 04:58 • (MS) R3913591-8 04/14/23 05:29

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	14.0	62.9	97.8	1	80.0-120	
Sulfate	50.0	ND	49.4	93.4	1	80.0-120	

Method Blank (MB)

(MB) R3912181-2 04/11/23 07:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TOC (Total Organic Carbon)	0.294	J	0.102	1.00

Method Blank (MB)

(MB) R3912181-6 04/12/23 02:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TOC (Total Organic Carbon)	0.332	J	0.102	1.00

L1603285-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1603285-02 04/12/23 02:49 • (DUP) R3912181-7 04/12/23 03:09

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	3.86	3.80	1	1.51		20

L1603505-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1603505-02 04/12/23 05:22 • (DUP) R3912181-10 04/12/23 05:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	ND	ND	1	6.97		20

Laboratory Control Sample (LCS)

(LCS) R3912181-1 04/11/23 07:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC	75.0	72.6	96.9	85.0-115	

Laboratory Control Sample (LCS)

(LCS) R3912181-5 04/12/23 01:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC	75.0	68.2	90.9	85.0-115	

L1602354-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1602354-01 04/11/23 11:56 • (MS) R3912181-3 04/11/23 12:22 • (MSD) R3912181-4 04/11/23 12:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC	50.0	2.01	49.6	48.5	95.3	92.9	1	80.0-120			2.39	20

L1603285-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603285-03 04/12/23 03:30 • (MS) R3912181-8 04/12/23 03:56 • (MSD) R3912181-9 04/12/23 04:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC	50.0	3.48	51.0	51.6	95.1	96.2	1	80.0-120			1.05	20

Method Blank (MB)

(MB) R3912614-2 04/12/23 15:18

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TOC (Total Organic Carbon)	0.378	J	0.102	1.00

L1603505-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1603505-18 04/12/23 18:38 • (DUP) R3912614-5 04/12/23 18:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	ND	ND	1	4.56		20

L1603813-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1603813-04 04/13/23 03:46 • (DUP) R3912614-8 04/13/23 04:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	ND	1.19	1	18.6		20

Laboratory Control Sample (LCS)

(LCS) R3912614-1 04/12/23 15:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	75.0	79.8	106	85.0-115	

L1603505-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603505-17 04/12/23 17:25 • (MS) R3912614-3 04/12/23 17:53 • (MSD) R3912614-4 04/12/23 18:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50.0	1.18	55.5	55.6	109	109	1	80.0-120			0.162	20

L1603791-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603791-01 04/12/23 23:07 • (MS) R3912614-6 04/12/23 23:35 • (MSD) R3912614-7 04/13/23 00:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50.0	11.5	65.3	64.3	108	106	1	80.0-120			1.54	20

Method Blank (MB)

(MB) R3912679-1 04/13/23 01:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver	ND		0.00280	0.00500
Barium	ND		0.00170	0.00500
Iron	ND		0.0141	0.100
Manganese	ND		0.00120	0.0100
Lead	ND		0.00190	0.00500
Selenium	ND		0.00740	0.0100

Laboratory Control Sample (LCS)

(LCS) R3912679-2 04/13/23 01:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver	0.200	0.174	87.2	80.0-120	
Barium	1.00	0.994	99.4	80.0-120	
Iron	10.0	10.2	102	80.0-120	
Manganese	1.00	0.933	93.3	80.0-120	
Lead	1.00	1.01	101	80.0-120	
Selenium	1.00	0.937	93.7	80.0-120	

L1603493-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603493-15 04/13/23 01:28 • (MS) R3912679-4 04/13/23 01:33 • (MSD) R3912679-5 04/13/23 01:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver	0.200	ND	0.173	0.172	86.6	86.1	1	75.0-125			0.500	20
Barium	1.00	0.0166	0.994	0.992	97.8	97.5	1	75.0-125			0.287	20
Iron	10.0	ND	10.1	10.1	101	101	1	75.0-125			0.0963	20
Manganese	1.00		0.923	0.917	91.8	91.2	1	75.0-125			0.580	20
Lead	1.00	ND	0.993	0.993	99.3	99.3	1	75.0-125			0.0358	20
Selenium	1.00	ND	0.943	0.940	94.3	94.0	1	75.0-125			0.289	20

Method Blank (MB)

(MB) R3912659-1 04/13/23 02:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver	ND		0.00280	0.00500
Barium	ND		0.00170	0.00500
Iron	ND		0.0141	0.100
Manganese	ND		0.00120	0.0100
Lead	ND		0.00190	0.00500
Selenium	ND		0.00740	0.0100

Laboratory Control Sample (LCS)

(LCS) R3912659-2 04/13/23 02:03

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver	0.200	0.190	95.1	80.0-120	
Barium	1.00	1.02	102	80.0-120	
Iron	10.0	9.85	98.5	80.0-120	
Manganese	1.00	0.923	92.3	80.0-120	
Lead	1.00	0.979	97.9	80.0-120	
Selenium	1.00	0.925	92.5	80.0-120	

L1603522-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603522-03 04/13/23 02:06 • (MS) R3912659-4 04/13/23 02:11 • (MSD) R3912659-5 04/13/23 02:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver	0.200	ND	0.189	0.192	94.6	96.2	1	75.0-125			1.66	20
Barium	1.00	0.0481	1.07	1.09	103	104	1	75.0-125			1.28	20
Iron	10.0	1.44	11.0	11.2	95.6	97.2	1	75.0-125			1.46	20
Manganese	1.00	6.14	6.93	6.94	79.3	80.0	1	75.0-125			0.104	20
Lead	1.00	0.00579	0.973	0.986	96.7	98.0	1	75.0-125			1.36	20
Selenium	1.00	ND	0.940	0.957	94.0	95.7	1	75.0-125			1.77	20

QUALITY CONTROL SUMMARY

L1603505-02,05,06,11,13,14,15,16,17,18,19,20,21,23,24

Method Blank (MB)

(MB) R3912042-1 04/11/23 20:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	ND		0.000250	0.00200
Beryllium	ND		0.000120	0.00200
Cadmium	ND		0.000160	0.00100
Cobalt	ND		0.000260	0.00200
Chromium	ND		0.000540	0.00200
Copper	ND		0.000520	0.00500
Nickel	ND		0.000350	0.00200
Antimony	ND		0.000754	0.00200
Thallium	ND		0.000190	0.00200
Vanadium	0.000291		0.000180	0.00500
Zinc	ND		0.00256	0.0250

Laboratory Control Sample (LCS)

(LCS) R3912042-2 04/11/23 20:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0487	97.5	80.0-120	
Beryllium	0.0500	0.0463	92.7	80.0-120	
Cadmium	0.0500	0.0498	99.6	80.0-120	
Cobalt	0.0500	0.0502	100	80.0-120	
Chromium	0.0500	0.0487	97.5	80.0-120	
Copper	0.0500	0.0441	88.3	80.0-120	
Nickel	0.0500	0.0503	101	80.0-120	
Antimony	0.0500	0.0486	97.1	80.0-120	
Thallium	0.0500	0.0473	94.6	80.0-120	
Vanadium	0.0500	0.0487	97.3	80.0-120	
Zinc	0.0500	0.0475	95.0	80.0-120	

L1603505-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603505-02 04/11/23 20:31 • (MS) R3912042-4 04/11/23 20:38 • (MSD) R3912042-5 04/11/23 20:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	ND	0.0505	0.0510	99.6	101	1	75.0-125			1.04	20
Beryllium	0.0500	ND	0.0484	0.0474	96.1	94.2	1	75.0-125			1.97	20
Cadmium	0.0500	0.00188	0.0523	0.0524	101	101	1	75.0-125			0.300	20
Cobalt	0.0500	0.0250	0.0755	0.0758	101	102	1	75.0-125			0.355	20
Chromium	0.0500	ND	0.0507	0.0509	101	102	1	75.0-125			0.320	20

L1603505-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603505-02 04/11/23 20:31 • (MS) R3912042-4 04/11/23 20:38 • (MSD) R3912042-5 04/11/23 20:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Copper	0.0500	ND	0.0452	0.0467	90.3	93.4	1	75.0-125			3.30	20
Nickel	0.0500	0.163	0.211	0.213	96.0	99.5	1	75.0-125			0.836	20
Antimony	0.0500	ND	0.0500	0.0502	100	100	1	75.0-125			0.426	20
Thallium	0.0500	ND	0.0470	0.0480	93.8	95.8	1	75.0-125			2.05	20
Vanadium	0.0500	ND	0.0503	0.0516	101	103	1	75.0-125			2.54	20
Zinc	0.0500	0.155	0.205	0.202	99.5	95.4	1	75.0-125			1.01	20

Method Blank (MB)

(MB) R3913318-1 04/14/23 12:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	ND		0.000250	0.00200
Beryllium	ND		0.000120	0.00200
Cadmium	ND		0.000160	0.00100
Cobalt	ND		0.000260	0.00200
Chromium	0.00321		0.000540	0.00200
Copper	ND		0.000520	0.00500
Antimony	ND		0.000754	0.00200
Thallium	ND		0.000190	0.00200
Vanadium	0.000262		0.000180	0.00500
Zinc	0.00448	J	0.00256	0.0250

Laboratory Control Sample (LCS)

(LCS) R3913318-2 04/14/23 12:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.0500	0.0479	95.7	80.0-120	
Beryllium	0.0500	0.0477	95.3	80.0-120	
Cadmium	0.0500	0.0511	102	80.0-120	
Cobalt	0.0500	0.0505	101	80.0-120	
Chromium	0.0500	0.0510	102	80.0-120	
Copper	0.0500	0.0475	95.0	80.0-120	
Antimony	0.0500	0.0491	98.2	80.0-120	
Thallium	0.0500	0.0489	97.8	80.0-120	
Vanadium	0.0500	0.0500	100	80.0-120	
Zinc	0.0500	0.0517	103	80.0-120	

L1603559-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603559-01 04/14/23 12:28 • (MS) R3913318-4 04/14/23 12:34 • (MSD) R3913318-5 04/14/23 12:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.0500	ND	0.0471	0.0483	93.5	95.8	1	75.0-125			2.40	20
Beryllium	0.0500	ND	0.0459	0.0464	91.8	92.7	1	75.0-125			1.01	20
Cadmium	0.0500	ND	0.0506	0.0516	101	103	1	75.0-125			1.91	20
Cobalt	0.0500	ND	0.0500	0.0516	96.7	99.8	1	75.0-125			3.11	20
Chromium	0.0500	ND	0.0494	0.0507	98.8	101	1	75.0-125			2.56	20
Copper	0.0500	ND	0.0477	0.0488	93.0	95.2	1	75.0-125			2.31	20
Antimony	0.0500	ND	0.0477	0.0476	95.4	95.2	1	75.0-125			0.121	20

L1603559-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603559-01 04/14/23 12:28 • (MS) R3913318-4 04/14/23 12:34 • (MSD) R3913318-5 04/14/23 12:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Thallium	0.0500	ND	0.0475	0.0509	95.0	102	1	75.0-125			6.89	20
Vanadium	0.0500	0.00432	0.0527	0.0539	96.8	99.1	1	75.0-125			2.13	20
Zinc	0.0500	ND	0.0495	0.0522	99.1	104	1	75.0-125			5.12	20

Method Blank (MB)

(MB) R3913737-1 04/16/23 17:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nickel	ND		0.000350	0.00200

Laboratory Control Sample (LCS)

(LCS) R3913737-2 04/16/23 17:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nickel	0.0500	0.0527	105	80.0-120	

L1605230-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1605230-10 04/16/23 17:26 • (MS) R3913737-4 04/16/23 17:33 • (MSD) R3913737-5 04/16/23 17:36

Analyte	Spike Amount mg/l	Original Result	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nickel	0.0500		0.0502	0.0502	100	100	1	75.0-125			0.0622	20

Method Blank (MB)

(MB) R3912457-2 04/11/23 01:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.120	0.500
1,1,1-Trichloroethane	ND		0.0940	0.500
1,1,2,2-Tetrachloroethane	ND		0.130	0.500
1,1,2-Trichloroethane	ND		0.0940	0.500
1,1-Dichloroethane	ND		0.114	0.500
1,1-Dichloroethene	ND		0.188	0.500
1,2,3-Trichloropropane	ND		0.247	2.50
1,2-Dibromo-3-Chloropropane	ND		0.325	2.50
1,2-Dibromoethane	ND		0.193	0.500
1,2-Dichlorobenzene	ND		0.101	0.500
1,2-Dichloroethane	ND		0.108	0.500
1,2-Dichloropropane	ND		0.190	0.500
1,4-Dichlorobenzene	ND		0.121	0.500
2-Butanone (MEK)	ND		1.28	5.00
2-Hexanone	ND		0.757	5.00
4-Methyl-2-pentanone (MIBK)	ND		0.823	5.00
Acetone	ND		1.05	25.0
Acrylonitrile	ND		0.873	5.00
Benzene	ND		0.0896	0.500
Bromochloromethane	ND		0.145	0.500
Bromodichloromethane	ND		0.0800	0.500
Bromoform	ND		0.186	0.500
Bromomethane	ND		0.157	2.50
Carbon disulfide	ND		0.101	0.500
Carbon tetrachloride	ND		0.159	0.500
Chlorobenzene	ND		0.140	0.500
Chloroethane	ND		0.141	2.50
Chloroform	ND		0.0860	0.500
Chloromethane	ND		0.153	1.25
Chlorodibromomethane	ND		0.128	0.500
Dibromomethane	ND		0.117	0.500
Ethylbenzene	ND		0.158	0.500
Iodomethane	ND		0.377	10.0
Methylene Chloride	ND		1.07	2.50
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00

Method Blank (MB)

(MB) R3912457-2 04/11/23 01:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*
(S) 4-Bromofluorobenzene	*87.3*			*77.0-126*
(S) Toluene-d8	*99.3*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3912457-1 04/11/23 01:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,1,2-Tetrachloroethane	5.00	5.18	104	75.0-125	
1,1,1-Trichloroethane	5.00	5.66	113	73.0-124	
1,1,2,2-Tetrachloroethane	5.00	4.37	87.4	65.0-130	
1,1,2-Trichloroethane	5.00	5.22	104	80.0-120	
1,1-Dichloroethane	5.00	5.49	110	70.0-126	
1,1-Dichloroethene	5.00	5.24	105	71.0-124	
1,2,3-Trichloropropane	5.00	4.82	96.4	73.0-130	
1,2-Dibromo-3-Chloropropane	5.00	4.67	93.4	58.0-134	
1,2-Dibromoethane	5.00	5.35	107	80.0-122	
1,2-Dichlorobenzene	5.00	4.85	97.0	79.0-121	
1,2-Dichloroethane	5.00	5.74	115	70.0-128	
1,2-Dichloropropane	5.00	5.70	114	77.0-125	
1,4-Dichlorobenzene	5.00	4.82	96.4	79.0-120	
2-Butanone (MEK)	25.0	36.1	144	44.0-160	
2-Hexanone	25.0	25.5	102	67.0-149	
4-Methyl-2-pentanone (MIBK)	25.0	29.2	117	68.0-142	
Acetone	25.0	37.1	148	19.0-160	
Acrylonitrile	25.0	32.3	129	55.0-149	
Benzene	5.00	5.81	116	70.0-123	
Bromochloromethane	5.00	5.71	114	76.0-122	
Bromodichloromethane	5.00	5.45	109	75.0-120	
Bromoform	5.00	4.23	84.6	68.0-132	
Bromomethane	5.00	4.03	80.6	10.0-160	

Laboratory Control Sample (LCS)

(LCS) R3912457-1 04/11/23 01:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Carbon disulfide	5.00	5.68	114	61.0-128	
Carbon tetrachloride	5.00	5.48	110	68.0-126	
Chlorobenzene	5.00	4.94	98.8	80.0-121	
Chloroethane	5.00	4.34	86.8	47.0-150	
Chloroform	5.00	5.66	113	73.0-120	
Chloromethane	5.00	6.09	122	41.0-142	
Chlorodibromomethane	5.00	5.01	100	77.0-125	
Dibromomethane	5.00	5.58	112	80.0-120	
Ethylbenzene	5.00	4.86	97.2	79.0-123	
Iodomethane	25.0	26.7	107	33.0-147	
Methylene Chloride	5.00	5.56	111	67.0-120	
Styrene	5.00	4.40	88.0	73.0-130	
Tetrachloroethene	5.00	5.11	102	72.0-132	
Toluene	5.00	5.03	101	79.0-120	
Trichloroethene	5.00	6.22	124	78.0-124	
Trichlorofluoromethane	5.00	4.08	81.6	59.0-147	
Vinyl acetate	25.0	18.9	75.6	11.0-160	
Vinyl chloride	5.00	4.46	89.2	67.0-131	
Xylenes, Total	15.0	14.3	95.3	79.0-123	
cis-1,2-Dichloroethene	5.00	5.03	101	73.0-120	
cis-1,3-Dichloropropene	5.00	5.43	109	80.0-123	
trans-1,2-Dichloroethene	5.00	5.53	111	73.0-120	
trans-1,3-Dichloropropene	5.00	4.62	92.4	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	3.84	76.8	33.0-144	
(S) 1,2-Dichloroethane-d4			*102*	*70.0-130*	
(S) 4-Bromofluorobenzene			*92.7*	*77.0-126*	
(S) Toluene-d8			*97.8*	*80.0-120*	

Method Blank (MB)

(MB) R3913226-3 04/13/23 10:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.120	0.500
1,1,1-Trichloroethane	ND		0.0940	0.500
1,1,2,2-Tetrachloroethane	ND		0.130	0.500
1,1,2-Trichloroethane	ND		0.0940	0.500
1,1-Dichloroethane	ND		0.114	0.500
1,1-Dichloroethene	ND		0.188	0.500
1,2,3-Trichloropropane	ND		0.247	2.50
1,2-Dibromo-3-Chloropropane	ND		0.325	2.50
1,2-Dibromoethane	ND		0.193	0.500
1,2-Dichlorobenzene	ND		0.101	0.500
1,2-Dichloroethane	ND		0.108	0.500
1,2-Dichloropropane	ND		0.190	0.500
1,4-Dichlorobenzene	ND		0.121	0.500
2-Butanone (MEK)	ND		1.28	5.00
2-Hexanone	ND		0.757	5.00
4-Methyl-2-pentanone (MIBK)	ND		0.823	5.00
Acetone	ND		1.05	25.0
Acrylonitrile	ND		0.873	5.00
Benzene	ND		0.0896	0.500
Bromochloromethane	ND		0.145	0.500
Bromodichloromethane	ND		0.0800	0.500
Bromoform	ND		0.186	0.500
Bromomethane	ND		0.157	2.50
Carbon disulfide	ND		0.101	0.500
Carbon tetrachloride	ND		0.159	0.500
Chlorobenzene	ND		0.140	0.500
Chloroethane	ND		0.141	2.50
Chloroform	ND		0.0860	0.500
Chloromethane	ND		0.153	1.25
Chlorodibromomethane	ND		0.128	0.500
Dibromomethane	ND		0.117	0.500
Ethylbenzene	ND		0.158	0.500
Iodomethane	0.391	J	0.377	10.0
Methylene Chloride	ND		1.07	2.50
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00

Method Blank (MB)

(MB) R3913226-3 04/13/23 10:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*
(S) Toluene-d8	*105*			*80.0-120*

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

(LCS) R3913226-1 04/13/23 09:20 • (LCSD) R3913226-2 04/13/23 09:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	4.38	4.48	87.6	89.6	75.0-125			2.26	20
1,1,1-Trichloroethane	5.00	4.53	4.59	90.6	91.8	73.0-124			1.32	20
1,1,2,2-Tetrachloroethane	5.00	5.45	5.28	109	106	65.0-130			3.17	20
1,1,2-Trichloroethane	5.00	4.56	4.70	91.2	94.0	80.0-120			3.02	20
1,1-Dichloroethane	5.00	4.94	4.97	98.8	99.4	70.0-126			0.605	20
1,1-Dichloroethene	5.00	4.28	4.31	85.6	86.2	71.0-124			0.698	20
1,2,3-Trichloropropane	5.00	5.22	5.30	104	106	73.0-130			1.52	20
1,2-Dibromo-3-Chloropropane	5.00	4.14	4.41	82.8	88.2	58.0-134			6.32	20
1,2-Dibromoethane	5.00	4.73	4.80	94.6	96.0	80.0-122			1.47	20
1,2-Dichlorobenzene	5.00	4.39	4.38	87.8	87.6	79.0-121			0.228	20
1,2-Dichloroethane	5.00	4.97	4.95	99.4	99.0	70.0-128			0.403	20
1,2-Dichloropropane	5.00	5.13	4.94	103	98.8	77.0-125			3.77	20
1,4-Dichlorobenzene	5.00	4.30	4.40	86.0	88.0	79.0-120			2.30	20
2-Butanone (MEK)	25.0	27.1	26.4	108	106	44.0-160			2.62	20
2-Hexanone	25.0	25.6	25.5	102	102	67.0-149			0.391	20
4-Methyl-2-pentanone (MIBK)	25.0	25.2	25.2	101	101	68.0-142			0.000	20
Acetone	25.0	26.8	26.4	107	106	19.0-160			1.50	27
Acrylonitrile	25.0	26.1	26.1	104	104	55.0-149			0.000	20
Benzene	5.00	4.65	4.67	93.0	93.4	70.0-123			0.429	20
Bromochloromethane	5.00	4.66	4.61	93.2	92.2	76.0-122			1.08	20
Bromodichloromethane	5.00	4.75	4.81	95.0	96.2	75.0-120			1.26	20
Bromoform	5.00	4.10	4.09	82.0	81.8	68.0-132			0.244	20
Bromomethane	5.00	3.61	3.75	72.2	75.0	10.0-160			3.80	25

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

(LCS) R3913226-1 04/13/23 09:20 • (LCSD) R3913226-2 04/13/23 09:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Carbon disulfide	5.00	4.38	4.38	87.6	87.6	61.0-128			0.000	20
Carbon tetrachloride	5.00	4.31	4.28	86.2	85.6	68.0-126			0.698	20
Chlorobenzene	5.00	4.52	4.57	90.4	91.4	80.0-121			1.10	20
Chloroethane	5.00	4.29	4.30	85.8	86.0	47.0-150			0.233	20
Chloroform	5.00	4.74	4.64	94.8	92.8	73.0-120			2.13	20
Chloromethane	5.00	3.87	3.81	77.4	76.2	41.0-142			1.56	20
Chlorodibromomethane	5.00	4.39	4.34	87.8	86.8	77.0-125			1.15	20
Dibromomethane	5.00	4.78	4.66	95.6	93.2	80.0-120			2.54	20
Ethylbenzene	5.00	4.34	4.38	86.8	87.6	79.0-123			0.917	20
Iodomethane	25.0	14.1	15.8	56.4	63.2	33.0-147			11.4	26
Methylene Chloride	5.00	5.03	5.00	101	100	67.0-120			0.598	20
Styrene	5.00	4.22	4.32	84.4	86.4	73.0-130			2.34	20
Tetrachloroethene	5.00	4.32	4.35	86.4	87.0	72.0-132			0.692	20
Toluene	5.00	4.48	4.58	89.6	91.6	79.0-120			2.21	20
Trichloroethene	5.00	4.60	4.59	92.0	91.8	78.0-124			0.218	20
Trichlorofluoromethane	5.00	4.31	4.29	86.2	85.8	59.0-147			0.465	20
Vinyl acetate	25.0	36.9	35.1	148	140	11.0-160			5.00	20
Vinyl chloride	5.00	4.47	4.58	89.4	91.6	67.0-131			2.43	20
Xylenes, Total	15.0	12.9	13.3	86.0	88.7	79.0-123			3.05	20
cis-1,2-Dichloroethene	5.00	4.60	4.61	92.0	92.2	73.0-120			0.217	20
cis-1,3-Dichloropropene	5.00	4.75	4.73	95.0	94.6	80.0-123			0.422	20
trans-1,2-Dichloroethene	5.00	4.58	4.63	91.6	92.6	73.0-120			1.09	20
trans-1,3-Dichloropropene	5.00	4.59	4.62	91.8	92.4	78.0-124			0.651	20
trans-1,4-Dichloro-2-butene	5.00	5.61	5.20	112	104	33.0-144			7.59	20
(S) 1,2-Dichloroethane-d4				*110*	*109*	*70.0-130*				
(S) 4-Bromofluorobenzene				*94.7*	*96.1*	*77.0-126*				
(S) Toluene-d8				*102*	*103*	*80.0-120*				

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

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
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
J	The identification of the analyte is acceptable; the reported value is an estimate.

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.

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Pres Chk

Report to: **Jodi Reynolds**

Email To: jeffholmgren@sbcglobal.net;jreyno10@wm.co

Project Description: **Eco-Vista LF-GW-Apr & Oct**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project # **200**

Lab Project # **WMECOVISAR-00020**

Collected by (print): Chris Finder

Site/Facility ID # **AR03**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	CHLORIDE,SULFATE 125mlHDPE-NoPres	Metals 250mlHDPE-HNO3	NH3 250mlHDPE-H2SO4	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	V8260LL 40mlAmb-HCl	V8260LL 40mlAmb-HCl-Blk			Remarks	Sample # (lab only)
LGW-6	Grab	GW	49.70	4.6.23	1305	8		X	X	X	X	X	X					-02
LGW-7		GW	41.70	4.6.23	1355	2	X			X								-03
LGW-8R		GW	9.45	4.6.23	1435	2	X			X								-04
LGW-9		GW	52.35	4.5.23	1515	8		X	X	X	X	X	X					-05
~~LGW-10~~ FB		GW	N/A	4.5.23	0835	8		X	X	X	X	X	X					-06
LGW-14R		GW	58.15	4.5.23	1655	2	X			X								-07
MW-7N		GW	84.55	4.5.23	1435	2	X			X								-08
MW-15		GW	57.95	4.5.23	~~5715~~ 1740	3	X			X		X						-09
MW-16		GW	67.45	4.5.23	1820	2	X			X								-10
MW-17		GW	58.20	4.5.23	1055	4	X		X	X		X						-11

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y __N
COC Signed/Accurate: Y __N
Bottles arrive intact: Y __N
Correct bottles used: Y __N
Sufficient volume sent: Y __N
If Applicable
VOA Zero Headspace: Y __N
Preservation Correct/Checked: Y __N
RAD Screen <0.5 mR/hr: Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	4-7-23	1400		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 155
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/8/23 Time: 915
				Hold: / Condition: NCF / OK

Chain of Custody Page 2 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1603505

Table #

Acctnum: **WMECOVISAR**
Template: **T225843**
Prelogin: **P986151**
PM: **616 - Stacy Kennedy**
PB: BF 3/14/23

Shipped Via: **FedEX Ground**

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Pres Chk

Report to:
Jodi Reynolds

Email To:
jeffholmgren@sbcglobal.net;jreyno10@wm.co

Project Description:
Eco-Vista LF-GW-Apr & Oct

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project #
200

Lab Project #
WMECOVISAR-00020

Collected by (print):
Chris Fincher

Site/Facility ID #
AR03

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	CHLORIDE,SULFATE 125mlHDPE-NoPres	Metals 250mlHDPE-HNO3	NH3 250mlHDPE-H2SO4	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	V8260LL 40mlAmb-HCl	V8260LL 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-19	Grab	GW	62.55	4.6.23	1615	2	X			X						-12
NE-1		GW	48.65	4.7.23	0945	7		X	X		X	X	X			-13
~~NE-2~~ NE-15D		GW	46.85	4.6.23	1810	7		X	X		X	X	X			-14
NE-4		GW	64.70	4.6.23	1525	7		X	X		X	X	X			-15
NE-5		GW	71.55	4.7.23	1150	7		X	X		X	X	X			-16
NE-5E		GW	68.65	4.7.23	1250	7		X	X		X	X	X			-17
NE-5W		GW	71.80	4.7.23	1110	7		X	X		X	X	X			-18
NE-6D		GW	32.05	4.7.23	1025	7		X	X		X	X	X			-19
~~NE-10D~~ NE-14S		GW	17.95	4.6.23	1730	7		X	X		X	X	X			-20
NE-14D		GW	15.95	4.6.23	1650	7		X	X		X	X	X			-21

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other _____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature) — Date: 4.7.23 — Time: 1400 — Received by: (Signature)

Relinquished by : (Signature) — Date: — Time: — Received by: (Signature)

Relinquished by : (Signature) — Date: — Time: — Received for lab by: (Signature) Kayla J @

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received: 155

Date: 4/8/23 Time: 915

If preservation required by Login: Date/Time

Hold: — Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y __N
COC Signed/Accurate: Y __N
Bottles arrive intact: Y __N
Correct bottles used: Y __N
Sufficient volume sent: Y __N
If Applicable
VOA Zero Headspace: Y __N
Preservation Correct/Checked: Y __N
RAD Screen <0.5 mR/hr: Y __N

Chain of Custody Page 3 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1603505

Table #

Acctnum: **WMECOVISAR**
Template: **T225843**
Prelogin: **P986151**
PM: **616 - Stacy Kennedy**
PB: BF 3/14/23
Shipped Via: **FedEx Ground**

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Pres Chk

Report to: **Jodi Reynolds**

Email To: jeffholmgren@sbcglobal.net;jreyno10@wm.co

Project Description: **Eco-Vista LF-GW-Apr & Oct**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project # **200**

Lab Project # **WMECOVISAR-00020**

Collected by (print): Chris Finch

Site/Facility ID # **AR03**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	CHLORIDE,SULFATE 125mlHDPE-NoPres	Metals 250mlHDPE-HNO3	NH3 250mlHDPE-H2SO4	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	V8260LL 40mlAmb-HCl	V8260LL 40mlAmb-HCl-Blk			Remarks	Sample # (lab only)
TRIP BLANK		GW				3								X				-22
NE-2	Grab	GW	19.92	4.5.23	0900	7		X	X		X	X	X					-23
NE-10D		GW	101.95	4.5.23	1230	7		X	X		X	X	X					-24
LGW-2			72.85	4.6.23	1000	2	X			X								-25
LGW-3R			53.20	4.6.23	1050	2	X			X								-26
LGW-4			58.35	4.6.23	1135	4	X		X	X	X							-27
LGW-5			69.45	4.6.23	1220	3	X			X		X						-28
~~LGW-6~~ LGW-10			60.10	4.5.23	1610	8		X	X	X	X	X	X					-29
Dup-1			77.77	4.5.23	0700	8		X	X	X	X	X	X					-30
Dup-2			77.77	4.6.23	0700	8		X	X	X	X	X	X					-31

Chain of Custody Page 1 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1603505
D175

Acctnum: WMECOVISAR
Template: T225843
Prelogin: P986151
PM: 616 - Stacy Kennedy
PB: BF 3/14/23

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other _____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
	4.7.23	1400		8	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 155	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Kaycie T	Date: 4/8/23 Time: 915	Hold: / Condition: NCF / OK

ANALYTICAL REPORT

June 22, 2023

Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1624992
Samples Received:	06/10/2023
Project Number:	300
Description:	Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, Dec
Site:	AR03
Report To:	Jodi Reynolds 88 Joyce Lane Russellville, AR 72801

Entire Report Reviewed By:

Stacy Kennedy
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.

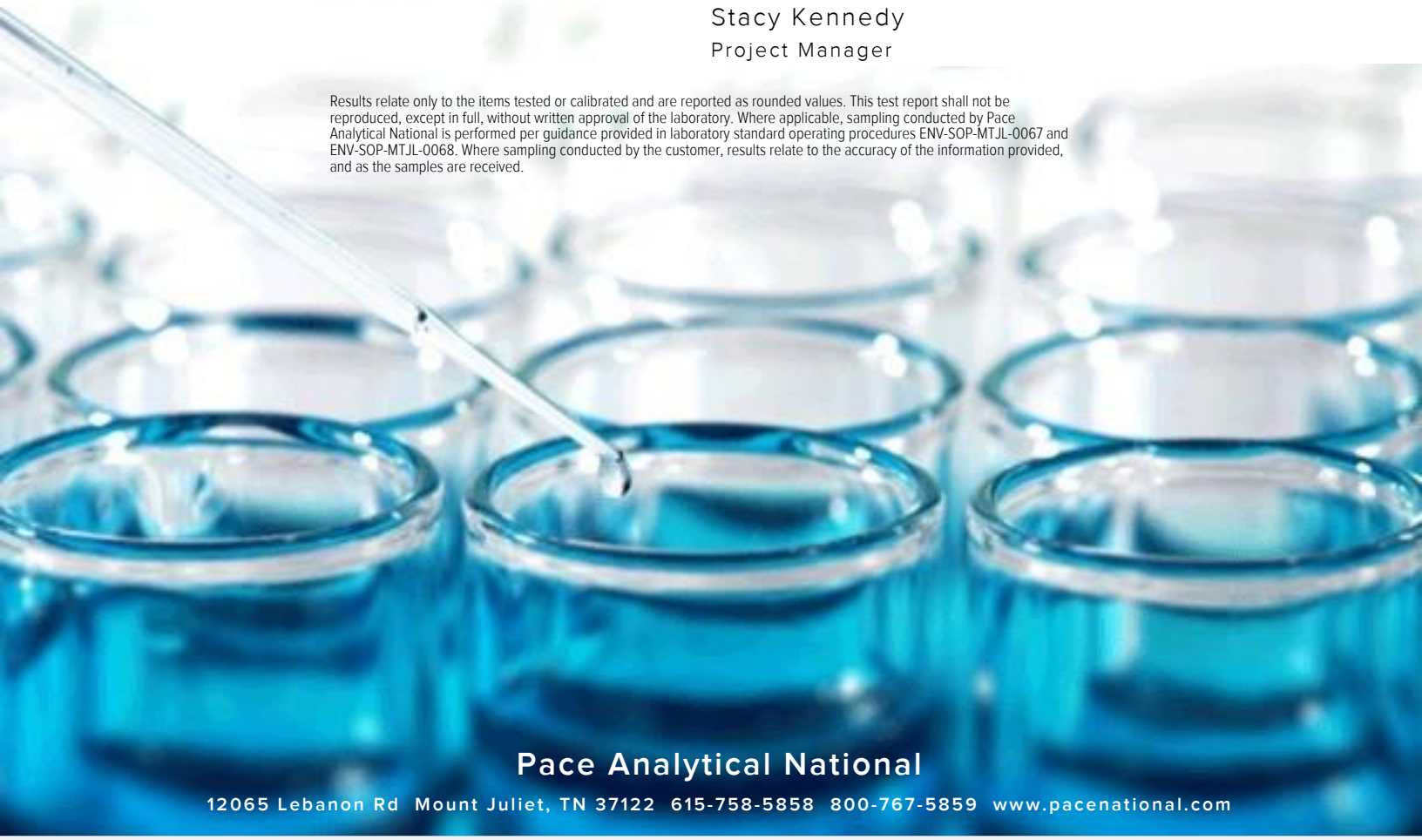


TABLE OF CONTENTS

LGW-6-DUP L1624992-01 GW

Collected by: Chris F. | Collected date/time: 06/08/23 11:20 | Received date/time: 06/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2076724	1	06/14/23 10:54	06/14/23 10:54	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082223	1	06/21/23 20:13	06/21/23 20:13	JD	Mt. Juliet, TN

LGW-2 L1624992-02 GW

Collected by: Chris F. | Collected date/time: 06/08/23 15:40 | Received date/time: 06/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2076724	1	06/14/23 11:00	06/14/23 11:00	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082223	1	06/21/23 20:21	06/21/23 20:21	JD	Mt. Juliet, TN

LGW-3R L1624992-03 GW

Collected by: Chris F. | Collected date/time: 06/08/23 16:20 | Received date/time: 06/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2076724	1	06/14/23 11:02	06/14/23 11:02	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082223	1	06/21/23 21:00	06/21/23 21:00	JD	Mt. Juliet, TN

LGW-4 L1624992-04 GW

Collected by: Chris F. | Collected date/time: 06/08/23 13:25 | Received date/time: 06/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2076724	1	06/14/23 11:03	06/14/23 11:03	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082223	1	06/21/23 21:09	06/21/23 21:09	JD	Mt. Juliet, TN

LGW-5 L1624992-05 GW

Collected by: Chris F. | Collected date/time: 06/08/23 12:40 | Received date/time: 06/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2076724	1	06/14/23 11:05	06/14/23 11:05	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082223	1	06/21/23 21:38	06/21/23 21:38	JD	Mt. Juliet, TN

LGW-6 L1624992-06 GW

Collected by: Chris F. | Collected date/time: 06/08/23 11:15 | Received date/time: 06/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2076724	1	06/14/23 11:08	06/14/23 11:08	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082223	1	06/21/23 21:48	06/21/23 21:48	JD	Mt. Juliet, TN

LGW-7 L1624992-07 GW

Collected by: Chris F. | Collected date/time: 06/08/23 09:50 | Received date/time: 06/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2076728	1	06/14/23 11:30	06/14/23 11:30	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082223	1	06/21/23 21:57	06/21/23 21:57	JD	Mt. Juliet, TN

LGW-8R L1624992-08 GW

Collected by: Chris F. | Collected date/time: 06/08/23 10:25 | Received date/time: 06/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2076728	1	06/14/23 11:34	06/14/23 11:34	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082223	1	06/21/23 22:07	06/21/23 22:07	JD	Mt. Juliet, TN

LGW-9 L1624992-09 GW

Collected by: Chris F. | Collected date/time: 06/08/23 09:10 | Received date/time: 06/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2076728	1	06/14/23 11:37	06/14/23 11:37	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082223	1	06/21/23 22:16	06/21/23 22:16	JD	Mt. Juliet, TN

LGW-10 L1624992-10 GW

Collected by: Chris F. | Collected date/time: 06/08/23 17:45 | Received date/time: 06/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2076728	1	06/14/23 11:39	06/14/23 11:39	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082223	1	06/21/23 22:26	06/21/23 22:26	JD	Mt. Juliet, TN

LGW-14R L1624992-11 GW

Collected by: Chris F. | Collected date/time: 06/08/23 12:00 | Received date/time: 06/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2076728	1	06/14/23 11:40	06/14/23 11:40	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082223	1	06/21/23 22:35	06/21/23 22:35	JD	Mt. Juliet, TN

MW-7N L1624992-12 GW

Collected by: Chris F. | Collected date/time: 06/08/23 08:35 | Received date/time: 06/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2076728	1	06/14/23 11:46	06/14/23 11:46	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082223	1	06/21/23 22:45	06/21/23 22:45	JD	Mt. Juliet, TN

MW-15 L1624992-13 GW

Collected by: Chris F. | Collected date/time: 06/08/23 15:00 | Received date/time: 06/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2076728	1	06/14/23 11:48	06/14/23 11:48	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082223	1	06/21/23 22:54	06/21/23 22:54	JD	Mt. Juliet, TN

MW-16 L1624992-14 GW

Collected by: Chris F. | Collected date/time: 06/08/23 14:20 | Received date/time: 06/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2076728	1	06/14/23 11:49	06/14/23 11:49	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082223	1	06/21/23 23:04	06/21/23 23:04	JD	Mt. Juliet, TN

SAMPLE SUMMARY

MW-17 L1624992-15 GW

Collected by: Chris F.
Collected date/time: 06/08/23 19:00
Received date/time: 06/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2076728	1	06/14/23 11:51	06/14/23 11:51	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082223	1	06/21/23 23:33	06/21/23 23:33	JD	Mt. Juliet, TN

MW-19 L1624992-16 GW

Collected by: Chris F.
Collected date/time: 06/08/23 17:10
Received date/time: 06/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2076728	1	06/14/23 11:52	06/14/23 11:52	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082223	1	06/21/23 23:42	06/21/23 23:42	JD	Mt. Juliet, TN

FB L1624992-17 GW

Collected by: Chris F.
Collected date/time: 06/08/23 08:10
Received date/time: 06/10/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2076728	1	06/14/23 11:54	06/14/23 11:54	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082223	1	06/22/23 00:11	06/22/23 00:11	JD	Mt. Juliet, TN

CASE NARRATIVE

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.

Stacy Kennedy
Project Manager

Project Comments

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	06/14/2023 10:54	WG2076724

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	15.5		3.00	1	06/21/2023 20:13	WG2082223

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.49	su
Specific Conductance (on site)	615	umhos/cm
Temperature (on-site)	22.4	Deg. C
Turbidity (on-site)	4.4	NTU
Dissolved Oxygen (on-site)	4.1	mg/l
eH/ORP (On Site)	167.8	mV
Depth to water (DTW) (FROM TOC)	71.58	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	06/14/2023 11:00	WG2076724

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	10.2		3.00	1	06/21/2023 20:21	WG2082223

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	4.68	su
Specific Conductance (on site)	108	umhos/cm
Temperature (on-site)	19.2	Deg. C
Turbidity (on-site)	9.8	NTU
Dissolved Oxygen (on-site)	6.1	mg/l
eH/ORP (On Site)	239.5	mV
Depth to water (DTW) (FROM TOC)	54.4	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	06/14/2023 11:02	WG2076724

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	5.68		3.00	1	06/21/2023 21:00	WG2082223

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.31	su
Specific Conductance (on site)	757	umhos/cm
Temperature (on-site)	18.9	Deg. C
Turbidity (on-site)	6.7	NTU
Dissolved Oxygen (on-site)	0.9	mg/l
eH/ORP (On Site)	162.1	mV
Depth to water (DTW) (FROM TOC)	58.85	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	06/14/2023 11:03	WG2076724

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	20.2		3.00	1	06/21/2023 21:09	WG2082223

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.68	su
Specific Conductance (on site)	748	umhos/cm
Temperature (on-site)	21.2	Deg. C
Turbidity (on-site)	4.4	NTU
Dissolved Oxygen (on-site)	0.8	mg/l
eH/ORP (On Site)	199.4	mV
Depth to water (DTW) (FROM TOC)	70.24	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	0.120		0.100	1	06/14/2023 11:05	WG2076724

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	33.7		3.00	1	06/21/2023 21:38	WG2082223

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.69	su
Specific Conductance (on site)	708	umhos/cm
Temperature (on-site)	18.7	Deg. C
Turbidity (on-site)	4.4	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	190.5	mV
Depth to water (DTW) (FROM TOC)	51.1	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	06/14/2023 11:08	WG2076724

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	15.5		3.00	1	06/21/2023 21:48	WG2082223

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.3	su
Specific Conductance (on site)	530	umhos/cm
Temperature (on-site)	21	Deg. C
Turbidity (on-site)	4	NTU
Dissolved Oxygen (on-site)	4	mg/l
eH/ORP (On Site)	182.6	mV
Depth to water (DTW) (FROM TOC)	42.68	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	06/14/2023 11:30	WG2076728

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	13.4		3.00	1	06/21/2023 21:57	WG2082223

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.99	su
Specific Conductance (on site)	760	umhos/cm
Temperature (on-site)	17.7	Deg. C
Turbidity (on-site)	3.8	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	184.2	mV
Depth to water (DTW) (FROM TOC)	10.45	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	06/14/2023 11:34	WG2076728

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	18.8		3.00	1	06/21/2023 22:07	WG2082223

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.59	su
Specific Conductance (on site)	790	umhos/cm
Temperature (on-site)	17.1	Deg. C
Turbidity (on-site)	3.8	NTU
Dissolved Oxygen (on-site)	0.7	mg/l
eH/ORP (On Site)	206.5	mV
Depth to water (DTW) (FROM TOC)	54	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	06/14/2023 11:37	WG2076728

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	36.1		3.00	1	06/21/2023 22:16	WG2082223

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.72	su
Specific Conductance (on site)	949	umhos/cm
Temperature (on-site)	18.7	Deg. C
Turbidity (on-site)	5	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	193.6	mV
Depth to water (DTW) (FROM TOC)	59.39	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	0.164		0.100	1	06/14/2023 11:39	WG2076728

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	23.1		3.00	1	06/21/2023 22:26	WG2082223

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.49	su
Specific Conductance (on site)	576	umhos/cm
Temperature (on-site)	21	Deg. C
Turbidity (on-site)	4.1	NTU
Dissolved Oxygen (on-site)	4.8	mg/l
eH/ORP (On Site)	170.6	mV
Depth to water (DTW) (FROM TOC)	55.61	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	06/14/2023 11:40	WG2076728

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	5.56		3.00	1	06/21/2023 22:35	WG2082223

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

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.87	su
Specific Conductance (on site)	608	umhos/cm
Temperature (on-site)	16.8	Deg. C
Turbidity (on-site)	3.9	NTU
Dissolved Oxygen (on-site)	3.5	mg/l
eH/ORP (On Site)	195.1	mV
Depth to water (DTW) (FROM TOC)	86.28	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	06/14/2023 11:46	WG2076728

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	32.5		3.00	1	06/21/2023 22:45	WG2082223

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.81	su
Specific Conductance (on site)	526	umhos/cm
Temperature (on-site)	17.3	Deg. C
Turbidity (on-site)	4.9	NTU
Dissolved Oxygen (on-site)	6	mg/l
eH/ORP (On Site)	183.8	mV
Depth to water (DTW) (FROM TOC)	58.35	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	06/14/2023 11:48	WG2076728

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	37.7		3.00	1	06/21/2023 22:54	WG2082223

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.74	su
Specific Conductance (on site)	368	umhos/cm
Temperature (on-site)	18.2	Deg. C
Turbidity (on-site)	4.3	NTU
Dissolved Oxygen (on-site)	6.2	mg/l
eH/ORP (On Site)	144.4	mV
Depth to water (DTW) (FROM TOC)	72.08	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	06/14/2023 11:49	WG2076728

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	4.45		3.00	1	06/21/2023 23:04	WG2082223

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.16	su
Specific Conductance (on site)	281	umhos/cm
Temperature (on-site)	18.8	Deg. C
Turbidity (on-site)	9	NTU
Dissolved Oxygen (on-site)	7.4	mg/l
eH/ORP (On Site)	167.9	mV
Depth to water (DTW) (FROM TOC)	60.15	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	06/14/2023 11:51	WG2076728

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	8.19		3.00	1	06/21/2023 23:33	WG2082223

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

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.07	su
Specific Conductance (on site)	271	umhos/cm
Temperature (on-site)	21.3	Deg. C
Turbidity (on-site)	4.5	NTU
Dissolved Oxygen (on-site)	8.3	mg/l
eH/ORP (On Site)	138.9	mV
Depth to water (DTW) (FROM TOC)	67.9	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	06/14/2023 11:52	WG2076728

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	8.26		3.00	1	06/21/2023 23:42	WG2082223

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

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	06/14/2023 11:54	WG2076728

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	ND		3.00	1	06/22/2023 00:11	WG2082223

Method Blank (MB)

(MB) R3936561-1 06/14/23 10:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ammonia Nitrogen	ND		0.0317	0.100

L1624479-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1624479-16 06/14/23 10:32 • (DUP) R3936561-5 06/14/23 10:33

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

L1624992-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1624992-06 06/14/23 11:08 • (DUP) R3936561-7 06/14/23 11:09

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

Laboratory Control Sample (LCS)

(LCS) R3936561-2 06/14/23 10:18

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.60	101	90.0-110	

L1624479-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1624479-15 06/14/23 10:27 • (MS) R3936561-3 06/14/23 10:29 • (MSD) R3936561-4 06/14/23 10:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	ND	4.94	4.88	98.8	97.5	1	90.0-110			1.28	10

L1624992-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1624992-05 06/14/23 11:05 • (MS) R3936561-6 06/14/23 11:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	0.120	4.97	97.0	1	90.0-110	

Method Blank (MB)

(MB) R3936596-1 06/14/23 11:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ammonia Nitrogen	ND		0.0317	0.100

L1624992-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1624992-08 06/14/23 11:34 • (DUP) R3936596-5 06/14/23 11:36

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

L1625252-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1625252-02 06/14/23 12:13 • (DUP) R3936596-7 06/14/23 12:15

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	1.70	1.78	1	4.60		10

Laboratory Control Sample (LCS)

(LCS) R3936596-2 06/14/23 11:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.34	97.8	90.0-110	

L1624992-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1624992-07 06/14/23 11:30 • (MS) R3936596-3 06/14/23 11:31 • (MSD) R3936596-4 06/14/23 11:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	ND	4.89	4.91	97.8	98.2	1	90.0-110			0.327	10

L1625252-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1625252-01 06/14/23 12:10 • (MS) R3936596-6 06/14/23 12:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	1.75	6.59	96.9	1	90.0-110	

Method Blank (MB)

(MB) R3939920-1 06/21/23 19:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.0819		0.0519	1.00

L1624992-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1624992-02 06/21/23 20:21 • (DUP) R3939920-3 06/21/23 20:31

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	10.2	10.8	1	6.05		15

L1624992-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1624992-16 06/21/23 23:42 • (DUP) R3939920-6 06/21/23 23:52

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	8.26	8.30	1	0.409		15

Laboratory Control Sample (LCS)

(LCS) R3939920-2 06/21/23 19:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.4	101	80.0-120	

L1624992-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1624992-02 06/21/23 20:21 • (MS) R3939920-4 06/21/23 20:41 • (MSD) R3939920-5 06/21/23 20:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	10.2	57.9	55.3	95.5	90.2	1	80.0-120			4.62	15

L1624992-16 Original Sample (OS) • Matrix Spike (MS)

(OS) L1624992-16 06/21/23 23:42 • (MS) R3939920-7 06/22/23 00:01

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	8.26	55.3	94.0	1	80.0-120	

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

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
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

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Report to: **Jodi Reynolds**

Email To: **jeffholmgren@sbcglobal.net;jreyno10@wm.co**

Project Description: **Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, De**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project # **300**

Lab Project # **WMECOVISAR-00005**

Collected by (print): Chris Fincher

Site/Facility ID # **AR03**

P.O. # **11057634**

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 624992
B151

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P999781**
PM: **616 - Stacy Kennedy**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4	Remarks	Sample # (lab only)
~~LDS-9~~		GW				2	X	X		
~~LDS-10~~		GW				2	X	X		
~~LDS-11~~		GW				2	X	X		
~~LDS-12~~ LGW-6-Dup	Grab	GW	57.10	6.8.23	1120	2	X	X		-01
LGW-2		GW	74.25		1540	2	X	X		-02
LGW-3R		GW	54.65		1620	2	X	X		-03
LGW-4		GW	60.05		1325	2	X	X		-04
LGW-5		GW	70.25		1240	2	X	X		-05
LGW-6		GW	57.10		1115	2	X	X		-06
LGW-7		GW	43.00		0950	2	X	X		-07

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:Pace project service: Check for multiple coolers upon receipt.

pH ____ Temp ____

Flow ____ Other ____

Samples returned via:
__ UPS __ FedEx __ Courier ____

Tracking # 6481 5472 3817

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	6.9.23	1230		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.3 °C Bottles Received: NSA7 4.3+0=4.3
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/10/23 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Pres Chk

Report to: **Jodi Reynolds**

Email To: **jeffholmgren@sbcglobal.net;jreyno10@wm.co**

Project Description: **Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, De**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project # **300**

Lab Project # **WMECOVISAR-00005**

Collected by (print): Chris Fincher

Site/Facility ID # **AR03**

P.O. # **11057634**

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 624992

Table #

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P999781**
PM: **616 - Stacy Kennedy**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4	Remarks	Sample # (lab only)
LGW-8R	Grab	GW	10.65	6.8.23	1025	2	X	X		-08
LGW-9		GW	54.80		0910	2	X	X		-09
LGW-10		GW	60.80		1745	2	X	X		-10
LGW-14R		GW	57.70		1200	2	X	X		-11
MW-7N		GW	86.55		0835	2	X	X		-12
MW-15		GW	58.45		1500	2	X	X		-13
MW-16		GW	75.30		1420	2	X	X		-14
MW-17		GW	60.20		1900	2	X	X		-15
MW-19		GW	68.85		1710	2	X	X		-16
FB		GW	N/A		0810	2	X	X		-17

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ___

Remarks:Pace project service: Check for multiple coolers upon receipt.

pH ___ Temp ___

Flow ___ Other ___

Samples returned via:
__ UPS __ FedEx __ Courier ___

Tracking # 6481 5472 3812

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date: 6.9.23	Time: 1230	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.3 °C Bottles Received: NSA7 4.370=4.3
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/6/23 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

ANALYTICAL REPORT

May 23, 2023

Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1616254
Samples Received:	05/13/2023
Project Number:	300
Description:	Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, Dec
Site:	AR03
Report To:	Jodi Reynolds 88 Joyce Lane Russellville, AR 72801

Entire Report Reviewed By:

Stacy Kennedy
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.

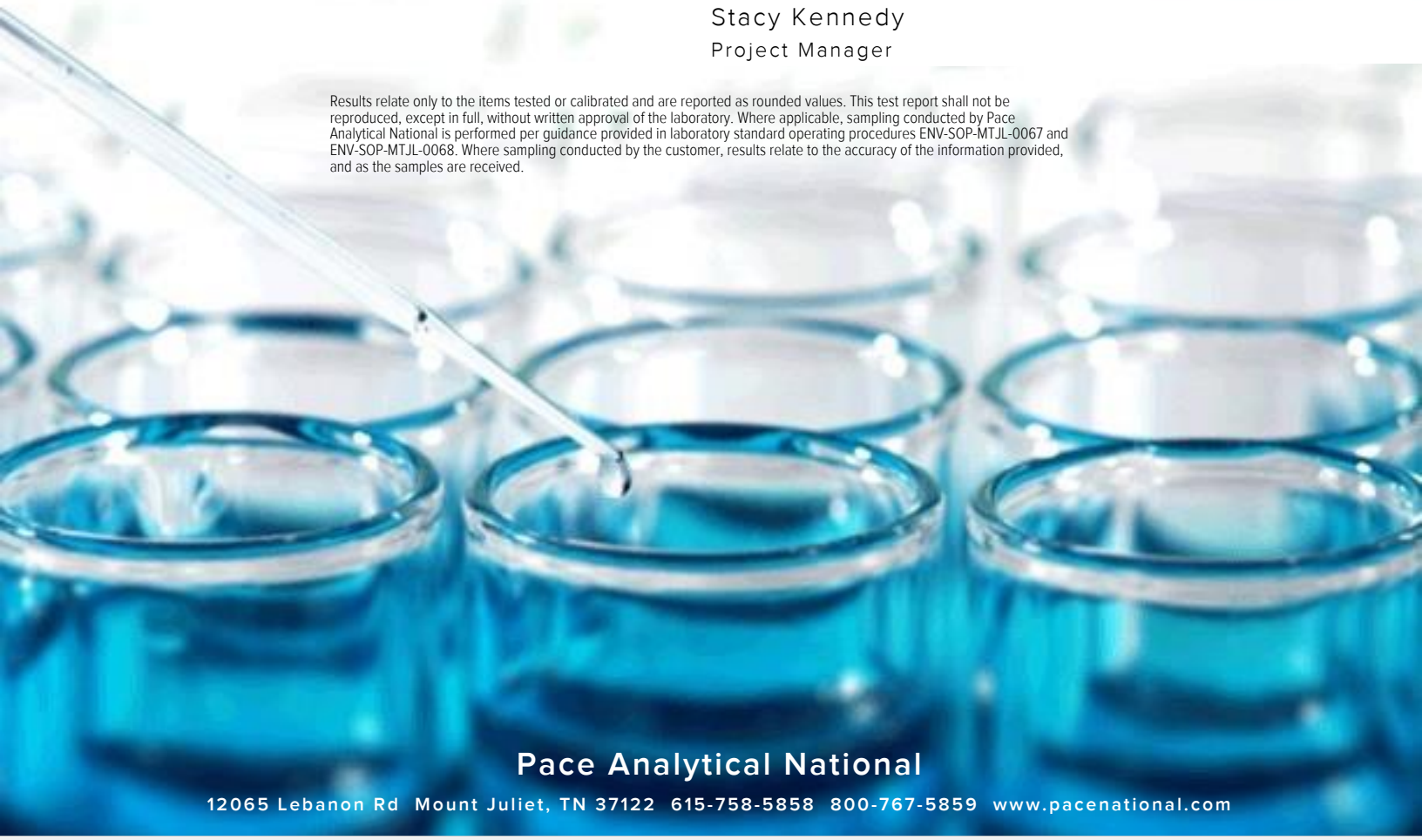


TABLE OF CONTENTS

LGW-2 L1616254-01 GW

Collected by: Chris Fincher | Collected date/time: 05/11/23 07:55 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2060993	1	05/17/23 14:05	05/17/23 14:05	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2064592	1	05/22/23 19:20	05/22/23 19:20	MDM	Mt. Juliet, TN

LGW-3R L1616254-02 GW

Collected by: Chris Fincher | Collected date/time: 05/10/23 17:05 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2060993	1	05/17/23 14:11	05/17/23 14:11	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2064592	1	05/22/23 19:57	05/22/23 19:57	MDM	Mt. Juliet, TN

LGW-4 L1616254-03 GW

Collected by: Chris Fincher | Collected date/time: 05/10/23 16:25 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2060993	1	05/17/23 14:12	05/17/23 14:12	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2064592	1	05/22/23 20:07	05/22/23 20:07	MDM	Mt. Juliet, TN

LGW-5 L1616254-04 GW

Collected by: Chris Fincher | Collected date/time: 05/10/23 15:45 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2060993	1	05/17/23 14:14	05/17/23 14:14	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2064592	1	05/22/23 20:16	05/22/23 20:16	MDM	Mt. Juliet, TN

LGW-6 L1616254-05 GW

Collected by: Chris Fincher | Collected date/time: 05/10/23 14:15 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2060993	1	05/17/23 14:15	05/17/23 14:15	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2064592	1	05/22/23 20:45	05/22/23 20:45	MDM	Mt. Juliet, TN

LGW-7 L1616254-06 GW

Collected by: Chris Fincher | Collected date/time: 05/10/23 13:30 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2060993	1	05/17/23 14:17	05/17/23 14:17	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2064592	1	05/22/23 20:55	05/22/23 20:55	MDM	Mt. Juliet, TN

LGW-8R L1616254-07 GW

Collected by: Chris Fincher | Collected date/time: 05/10/23 12:45 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2060993	1	05/17/23 14:18	05/17/23 14:18	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2064592	1	05/22/23 21:04	05/22/23 21:04	MDM	Mt. Juliet, TN

LGW-9 L1616254-08 GW

Collected by: Chris Fincher | Collected date/time: 05/10/23 12:10 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2060993	1	05/17/23 14:20	05/17/23 14:20	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2064592	1	05/22/23 21:14	05/22/23 21:14	MDM	Mt. Juliet, TN

LGW-10 L1616254-09 GW

Collected by: Chris Fincher | Collected date/time: 05/10/23 17:35 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2060993	1	05/17/23 14:21	05/17/23 14:21	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2064592	1	05/22/23 21:23	05/22/23 21:23	MDM	Mt. Juliet, TN

LGW-14R L1616254-10 GW

Collected by: Chris Fincher | Collected date/time: 05/10/23 15:00 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2060993	1	05/17/23 14:23	05/17/23 14:23	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2064592	1	05/22/23 21:33	05/22/23 21:33	MDM	Mt. Juliet, TN

MW-7N L1616254-11 GW

Collected by: Chris Fincher | Collected date/time: 05/10/23 11:30 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2060993	1	05/17/23 14:25	05/17/23 14:25	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2064592	1	05/22/23 21:42	05/22/23 21:42	MDM	Mt. Juliet, TN

MW-15 L1616254-12 GW

Collected by: Chris Fincher | Collected date/time: 05/11/23 07:10 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2060993	1	05/17/23 14:31	05/17/23 14:31	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2064592	1	05/22/23 22:11	05/22/23 22:11	MDM	Mt. Juliet, TN

MW-16 L1616254-13 GW

Collected by: Chris Fincher | Collected date/time: 05/11/23 06:35 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2060993	1	05/17/23 14:32	05/17/23 14:32	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2064592	1	05/22/23 22:40	05/22/23 22:40	MDM	Mt. Juliet, TN

MW-17 L1616254-14 GW

Collected by: Chris Fincher | Collected date/time: 05/10/23 10:20 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2060993	1	05/17/23 14:34	05/17/23 14:34	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2064592	1	05/22/23 22:49	05/22/23 22:49	MDM	Mt. Juliet, TN

SAMPLE SUMMARY

MW-19 L1616254-15 GW

Collected by: Chris Fincher | Collected date/time: 05/10/23 18:10 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2060993	1	05/17/23 14:35	05/17/23 14:35	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2064592	1	05/22/23 22:59	05/22/23 22:59	MDM	Mt. Juliet, TN

FB L1616254-16 GW

Collected by: Chris Fincher | Collected date/time: 05/10/23 09:45 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2060993	1	05/17/23 14:38	05/17/23 14:38	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2064592	1	05/22/23 23:09	05/22/23 23:09	MDM	Mt. Juliet, TN

LGW-6-DUP L1616254-17 GW

Collected by: Chris Fincher | Collected date/time: 05/10/23 14:20 | Received date/time: 05/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2060994	1	05/17/23 12:33	05/17/23 12:33	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2064592	1	05/22/23 23:18	05/22/23 23:18	MDM	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.

Stacy Kennedy
Project Manager

Project Comments

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.45	su
Specific Conductance (on site)	588	umhos/cm
Temperature (on-site)	17.4	Deg. C
Turbidity (on-site)	3.4	NTU
Dissolved Oxygen (on-site)	4.3	mg/l
eH/ORP (On Site)	173.1	mV
Depth to water (DTW) (FROM TOC)	70.77	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	05/17/2023 14:05	WG2060993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	10.4		3.00	1	05/22/2023 19:20	WG2064592

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.1	su
Specific Conductance (on site)	118	umhos/cm
Temperature (on-site)	18.5	Deg. C
Turbidity (on-site)	9	NTU
Dissolved Oxygen (on-site)	6.4	mg/l
eH/ORP (On Site)	190.2	mV
Depth to water (DTW) (FROM TOC)	53.75	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	05/17/2023 14:11	WG2060993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	6.05		3.00	1	05/22/2023 19:57	WG2064592

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.18	su
Specific Conductance (on site)	757	umhos/cm
Temperature (on-site)	17.3	Deg. C
Turbidity (on-site)	5.7	NTU
Dissolved Oxygen (on-site)	0.7	mg/l
eH/ORP (On Site)	165.1	mV
Depth to water (DTW) (FROM TOC)	59.42	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	05/17/2023 14:12	WG2060993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	21.0		3.00	1	05/22/2023 20:07	WG2064592

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.99	su
Specific Conductance (on site)	727	umhos/cm
Temperature (on-site)	21.1	Deg. C
Turbidity (on-site)	3.4	NTU
Dissolved Oxygen (on-site)	0.9	mg/l
eH/ORP (On Site)	183	mV
Depth to water (DTW) (FROM TOC)	69.74	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	0.151		0.100	1	05/17/2023 14:14	WG2060993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	31.1		3.00	1	05/22/2023 20:16	WG2064592

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.1	su
Specific Conductance (on site)	686	umhos/cm
Temperature (on-site)	18.3	Deg. C
Turbidity (on-site)	3.6	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	175.2	mV
Depth to water (DTW) (FROM TOC)	49.78	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	05/17/2023 14:15	WG2060993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	14.5		3.00	1	05/22/2023 20:45	WG2064592

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.39	su
Specific Conductance (on site)	582	umhos/cm
Temperature (on-site)	19.3	Deg. C
Turbidity (on-site)	3.8	NTU
Dissolved Oxygen (on-site)	2.4	mg/l
eH/ORP (On Site)	171.6	mV
Depth to water (DTW) (FROM TOC)	42.13	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	05/17/2023 14:17	WG2060993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	15.1		3.00	1	05/22/2023 20:55	WG2064592

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.23	su
Specific Conductance (on site)	729	umhos/cm
Temperature (on-site)	16.9	Deg. C
Turbidity (on-site)	3.5	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	173.9	mV
Depth to water (DTW) (FROM TOC)	10.12	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	05/17/2023 14:18	WG2060993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	17.9		3.00	1	05/22/2023 21:04	WG2064592

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.99	su
Specific Conductance (on site)	766	umhos/cm
Temperature (on-site)	17.4	Deg. C
Turbidity (on-site)	3.7	NTU
Dissolved Oxygen (on-site)	0.5	mg/l
eH/ORP (On Site)	184.4	mV
Depth to water (DTW) (FROM TOC)	53.5	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	05/17/2023 14:20	WG2060993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	33.7		3.00	1	05/22/2023 21:14	WG2064592

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.97	su
Specific Conductance (on site)	878	umhos/cm
Temperature (on-site)	17.8	Deg. C
Turbidity (on-site)	5	NTU
Dissolved Oxygen (on-site)	0.5	mg/l
eH/ORP (On Site)	189.6	mV
Depth to water (DTW) (FROM TOC)	59.15	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	0.227		0.100	1	05/17/2023 14:21	WG2060993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	22.1		3.00	1	05/22/2023 21:23	WG2064592

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.61	su
Specific Conductance (on site)	545	umhos/cm
Temperature (on-site)	18.2	Deg. C
Turbidity (on-site)	2.9	NTU
Dissolved Oxygen (on-site)	4.7	mg/l
eH/ORP (On Site)	160.1	mV
Depth to water (DTW) (FROM TOC)	55.72	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	05/17/2023 14:23	WG2060993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	5.26		3.00	1	05/22/2023 21:33	WG2064592

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

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.45	su
Specific Conductance (on site)	588	umhos/cm
Temperature (on-site)	17.9	Deg. C
Turbidity (on-site)	3.5	NTU
Dissolved Oxygen (on-site)	4	mg/l
eH/ORP (On Site)	175.9	mV
Depth to water (DTW) (FROM TOC)	85.16	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	05/17/2023 14:25	WG2060993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	31.4		3.00	1	05/22/2023 21:42	WG2064592

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.18	su
Specific Conductance (on site)	494	umhos/cm
Temperature (on-site)	16.3	Deg. C
Turbidity (on-site)	2.8	NTU
Dissolved Oxygen (on-site)	6.2	mg/l
eH/ORP (On Site)	180.2	mV
Depth to water (DTW) (FROM TOC)	58.18	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	05/17/2023 14:31	WG2060993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	37.2		3.00	1	05/22/2023 22:11	WG2064592

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.95	su
Specific Conductance (on site)	346	umhos/cm
Temperature (on-site)	16.5	Deg. C
Turbidity (on-site)	3.4	NTU
Dissolved Oxygen (on-site)	5.9	mg/l
eH/ORP (On Site)	168.6	mV
Depth to water (DTW) (FROM TOC)	69.18	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	05/17/2023 14:32	WG2060993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	4.20		3.00	1	05/22/2023 22:40	WG2064592

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

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.18	su
Specific Conductance (on site)	320	umhos/cm
Temperature (on-site)	17.8	Deg. C
Turbidity (on-site)	18.9	NTU
Dissolved Oxygen (on-site)	7.6	mg/l
eH/ORP (On Site)	192.6	mV
Depth to water (DTW) (FROM TOC)	59.73	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	05/17/2023 14:34	WG2060993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	12.2		3.00	1	05/22/2023 22:49	WG2064592

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

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.51	su
Specific Conductance (on site)	337	umhos/cm
Temperature (on-site)	19.5	Deg. C
Turbidity (on-site)	4.7	NTU
Dissolved Oxygen (on-site)	4.4	mg/l
eH/ORP (On Site)	166.1	mV
Depth to water (DTW) (FROM TOC)	67.75	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	05/17/2023 14:35	WG2060993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	8.29		3.00	1	05/22/2023 22:59	WG2064592

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	05/17/2023 14:38	WG2060993

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	ND		3.00	1	05/22/2023 23:09	WG2064592

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	05/17/2023 12:33	WG2060994

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	14.6		3.00	1	05/22/2023 23:18	WG2064592

Method Blank (MB)

(MB) R3925940-1 05/17/23 13:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ammonia Nitrogen	ND		0.0317	0.100

L1616172-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1616172-03 05/17/23 14:00 • (DUP) R3925940-5 05/17/23 14:02

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

L1616254-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1616254-16 05/17/23 14:38 • (DUP) R3925940-7 05/17/23 14:40

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

Laboratory Control Sample (LCS)

(LCS) R3925940-2 05/17/23 13:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.39	98.5	90.0-110	

L1616172-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616172-02 05/17/23 13:56 • (MS) R3925940-3 05/17/23 13:57 • (MSD) R3925940-4 05/17/23 13:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	0.281	5.27	5.33	99.7	101	1	90.0-110			1.25	10

L1616254-15 Original Sample (OS) • Matrix Spike (MS)

(OS) L1616254-15 05/17/23 14:35 • (MS) R3925940-6 05/17/23 14:37

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	ND	4.96	99.3	1	90.0-110	

Method Blank (MB)

(MB) R3925899-1 05/17/23 12:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ammonia Nitrogen	ND		0.0317	0.100

L1615608-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1615608-02 05/17/23 12:28 • (DUP) R3925899-5 05/17/23 12:30

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

L1616421-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1616421-02 05/17/23 12:43 • (DUP) R3925899-7 05/17/23 12:45

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

Laboratory Control Sample (LCS)

(LCS) R3925899-2 05/17/23 12:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.23	96.4	90.0-110	

L1615608-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1615608-01 05/17/23 12:24 • (MS) R3925899-3 05/17/23 12:25 • (MSD) R3925899-4 05/17/23 12:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	0.559	5.33	5.47	95.3	98.2	1	90.0-110			2.67	10

L1616278-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1616278-02 05/17/23 12:40 • (MS) R3925899-6 05/17/23 12:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	ND	4.72	94.4	1	90.0-110	

Method Blank (MB)

(MB) R3928261-1 05/22/23 18:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.0681		0.0519	1.00

L1616254-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1616254-01 05/22/23 19:20 • (DUP) R3928261-3 05/22/23 19:29

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	10.4	10.3	1	0.632		15

L1616254-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1616254-11 05/22/23 21:42 • (DUP) R3928261-6 05/22/23 21:52

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	31.4	31.5	1	0.189		15

Laboratory Control Sample (LCS)

(LCS) R3928261-2 05/22/23 18:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.1	97.8	80.0-120	

L1616254-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616254-01 05/22/23 19:20 • (MS) R3928261-4 05/22/23 19:38 • (MSD) R3928261-5 05/22/23 19:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	10.4	58.2	57.9	95.6	95.1	1	80.0-120			0.414	15

L1616254-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1616254-11 05/22/23 21:42 • (MS) R3928261-7 05/22/23 22:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	31.4	78.2	93.5	1	80.0-120	

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

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
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

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Pres Chk

Report to: **Jodi Reynolds**

Email To: **jeffholmgren@sbcglobal.net;jreyno10@wm.co**

Project Description: **Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, De**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project # **300**

Lab Project # **WMECOVISAR-00005**

Collected by (print): Chris Fincher

Site/Facility ID # **AR03**

P.O. # **11057634**

Collected by (signature):

Immediately Packed on Ice N ____ Y ____

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day ____ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1616254

G074

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P994341**
PM: **616 - Stacy Kennedy**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4								Remarks	Sample # (lab only)
~~LDS-9~~		GW				2	X	X									
~~LDS-10~~		GW				2	X	X									
~~LDS-11~~		GW				2	X	X									
~~LDS-12~~		GW				2	X	X									
LGW-2	Grab	GW	71.90	5.11.23	0755	2	X	X									-01
LGW-3R		GW	54.00	5.10.23	1705	2	X	X									-02
LGW-4		GW	59.65		1625	2	X	X									-03
LGW-5		GW	69.75		1545	2	X	X									-04
LGW-6		GW	49.80		1415	2	X	X									-05
LGW-7		GW	42.85		1330	2	X	X									-06

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other _____

Remarks:Pace project service: Check for multiple coolers upon receipt.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 6357 9916 5212

Sample Receipt Checklist

COC Seal Present/Intact:	__NP	__Y __N
COC Signed/Accurate:		__Y __N
Bottles arrive intact:		__Y __N
Correct bottles used:		__Y __N
Sufficient volume sent:		__Y __N
If Applicable		
VOA Zero Headspace:		__Y __N
Preservation Correct/Checked:		__Y __N
RAD Screen <0.5 mR/hr:		__Y __N

	Date:	Time:		
Relinquished by : (Signature)	5.12.23	1030	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.1 °C Bottles Received: NSA7 5.1402 5.1
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5/5/23 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Page 2 of 3

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Pres Chk

Report to:
Jodi Reynolds

Email To:
jeffholmgren@sbcglobal.net;jreyno10@wm.co

Project Description:
Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, De

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project #
300

Lab Project #
WMECOVISAR-00005

Collected by (print):
Chris Fincher

Site/Facility ID #
AR03

P.O. #
11057634

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4								Remarks	Sample # (lab only)
LGW-8R	Grab	GW	10.25	5.10.23	1245	2	X	X									-07
LGW-9		GW	54.55	5.10.23	1210	2	X	X									-08
LGW-10		GW	60.55	5.10.23	1735	2	X	X									-09
LGW-14R		GW	58.60	5.10.23	1500	2	X	X									-10
MW-7N		GW	85.45	5.10.23	1130	2	X	X									-11
MW-15		GW	58.20	5.11.23	0710	2	X	X									-12
MW-16		GW	71.05	5.11.23	0635	2	X	X									-13
MW-17		GW	59.80	5.10.23	1020	2	X	X									-14
MW-19		GW	69.00	5.10.23	1810	2	X	X									-15
FB		GW	N/A	5.10.23	0945	2	X	X									-16

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:Pace project service: Check for multiple coolers upon receipt.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 6357 9916 5212

Relinquished by : (Signature) — Date: 5.12.23 — Time: 1030 — Received by: (Signature)

Relinquished by : (Signature) — Date: — Time: — Received by: (Signature)

Relinquished by : (Signature) — Date: — Time: — Received for lab by: (Signature) FW — Date: 5/13/23 — Time: 9:00

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 5.1 °C Bottles Received: NSA7 5.1 + 6 = 5.1

If preservation required by Login: Date/Time

Hold: — Condition: NCF / OK

Chain of Custody

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1616254

Table #

Acctnum: **WMECOVISAR**

Template:**T161046**

Prelogin: **P994341**

PM: **616 - Stacy Kennedy**

PB: 4/21/23 CAM

Shipped Via: **FedEX Ground**

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Pres Chk

Report to:
Jodi Reynolds

Email To:
jeffholmgren@sbcglobal.net;jreyno10@wm.co

Project Description:
Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, De

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project #
300

Lab Project #
WMECOVISAR-00005

Collected by (print):
Chris Fineler

Site/Facility ID #
AR03

P.O. #
11057634

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4									Remarks	Sample # (lab only)
LGW-6-DUP	Grab	GW	N/A	5.10.23	1420	2	X	X										-17
		GW				2	X	X										
		GW				2	X	X										
		GW				2	X	X										
		GW				2	X	X										

Chain of Custody

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1616254

Table #

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P994341**
PM: **616 - Stacy Kennedy**
PB: 4/21/23CAM

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other _____

Remarks:Pace project service: Check for multiple coolers upon receipt.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 6357 9916 5212

Sample Receipt Checklist

COC Seal Present/Intact:	NP	(Y) N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		(Y) N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR
	5.12.23	1030		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.1 °C Bottles Received: NS07 5.1+0=5.1
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5/13/23 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

ANALYTICAL REPORT

June 27, 2023

Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1624244
Samples Received:	06/08/2023
Project Number:	300
Description:	Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, Dec
Site:	AR03
Report To:	Jodi Reynolds 88 Joyce Lane Russellville, AR 72801

Entire Report Reviewed By:

Stacy Kennedy
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.

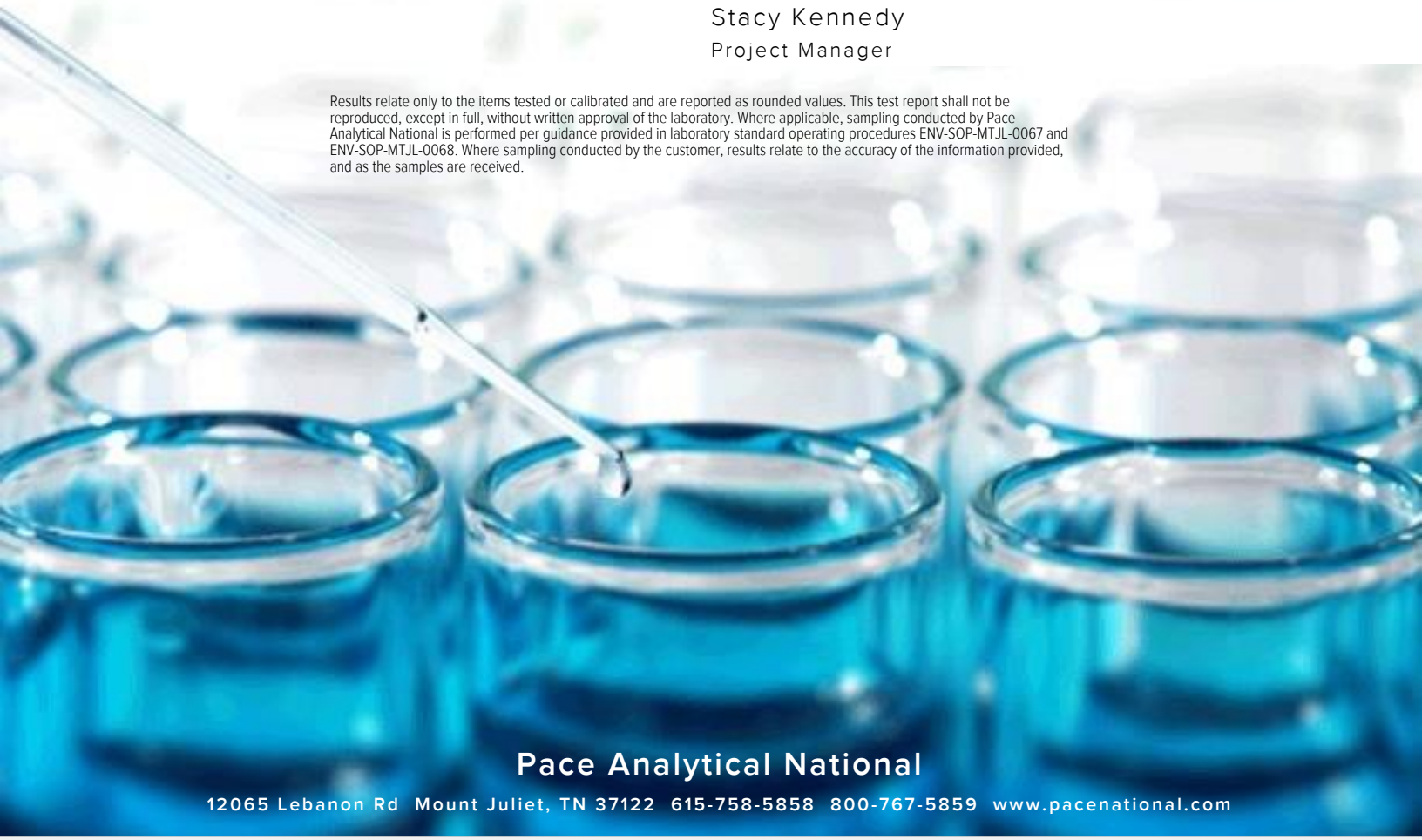


TABLE OF CONTENTS

LCS-1 L1624244-01 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 11:00 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075968	500	06/12/23 18:30	06/12/23 18:30	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2080792	20	06/20/23 15:52	06/20/23 15:52	JD	Mt. Juliet, TN

LCS-2 L1624244-02 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 11:30 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075968	500	06/12/23 18:31	06/12/23 18:31	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2080792	20	06/20/23 16:02	06/20/23 16:02	JD	Mt. Juliet, TN

LCS-3 L1624244-03 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 12:00 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075968	500	06/12/23 18:33	06/12/23 18:33	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2080807	10	06/20/23 15:33	06/20/23 15:33	JD	Mt. Juliet, TN

LCS-4 L1624244-04 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 12:30 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075968	500	06/12/23 18:34	06/12/23 18:34	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2080807	10	06/20/23 15:46	06/20/23 15:46	JD	Mt. Juliet, TN

LCS-5 L1624244-05 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 13:00 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075968	500	06/12/23 18:40	06/12/23 18:40	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2080807	10	06/20/23 16:00	06/20/23 16:00	JD	Mt. Juliet, TN

LCS-6 L1624244-06 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 13:30 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075968	500	06/12/23 18:42	06/12/23 18:42	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2080807	20	06/20/23 16:13	06/20/23 16:13	JD	Mt. Juliet, TN

LCS-7 L1624244-07 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 14:00 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075968	500	06/12/23 18:43	06/12/23 18:43	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2080807	20	06/20/23 16:27	06/20/23 16:27	JD	Mt. Juliet, TN

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

LCS-8 L1624244-08 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 14:30 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075968	200	06/12/23 18:45	06/12/23 18:45	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2080807	10	06/20/23 17:07	06/20/23 17:07	JD	Mt. Juliet, TN

LCS-9 L1624244-09 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 15:00 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075968	200	06/12/23 18:46	06/12/23 18:46	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2080807	10	06/20/23 17:20	06/20/23 17:20	JD	Mt. Juliet, TN

LCS-10 L1624244-10 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 15:30 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075968	200	06/12/23 18:48	06/12/23 18:48	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2080807	20	06/20/23 17:34	06/20/23 17:34	JD	Mt. Juliet, TN

LCS-11 L1624244-11 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 16:00 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075968	500	06/12/23 18:49	06/12/23 18:49	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2080807	10	06/20/23 17:47	06/20/23 17:47	JD	Mt. Juliet, TN

LCS-12 L1624244-12 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 16:30 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075969	200	06/13/23 10:25	06/13/23 10:25	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2080807	10	06/20/23 18:01	06/20/23 18:01	JD	Mt. Juliet, TN

LDS-1 L1624244-13 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 11:15 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075969	5	06/13/23 10:27	06/13/23 10:27	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2080807	5	06/20/23 18:14	06/20/23 18:14	JD	Mt. Juliet, TN

LDS-2 L1624244-14 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 11:45 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075969	5	06/13/23 11:04	06/13/23 11:04	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2080807	5	06/20/23 18:27	06/20/23 18:27	JD	Mt. Juliet, TN

LDS-3 L1624244-15 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 12:15 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075969	100	06/13/23 11:06	06/13/23 11:06	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2081019	20	06/20/23 17:35	06/20/23 17:35	JD	Mt. Juliet, TN

LDS-4 L1624244-16 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 12:45 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075969	200	06/13/23 10:31	06/13/23 10:31	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082935	100	06/22/23 21:06	06/22/23 21:06	JD	Mt. Juliet, TN

LDS-5 L1624244-17 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 13:15 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075969	500	06/13/23 10:33	06/13/23 10:33	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082935	100	06/22/23 21:15	06/22/23 21:15	JD	Mt. Juliet, TN

LDS-6 L1624244-18 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 13:45 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075969	50	06/13/23 10:34	06/13/23 10:34	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082935	100	06/22/23 21:25	06/22/23 21:25	JD	Mt. Juliet, TN

LDS-7 L1624244-19 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 14:15 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075969	200	06/13/23 10:36	06/13/23 10:36	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082935	20	06/22/23 21:34	06/22/23 21:34	JD	Mt. Juliet, TN

LDS-8 L1624244-20 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 14:45 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075969	50	06/13/23 10:37	06/13/23 10:37	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082935	1	06/22/23 21:44	06/22/23 21:44	JD	Mt. Juliet, TN

LDS-9 L1624244-21 GW

Collected by: Chris Fincher | Collected date/time: 06/07/23 15:15 | Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075969	20	06/13/23 10:39	06/13/23 10:39	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082935	1	06/22/23 22:13	06/22/23 22:13	JD	Mt. Juliet, TN

LDS-10 L1624244-22 GW

Collected by: Chris Fincher
Collected date/time: 06/07/23 15:45
Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075969	200	06/13/23 10:45	06/13/23 10:45	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082935	100	06/22/23 22:41	06/22/23 22:41	JD	Mt. Juliet, TN

LDS-11 L1624244-23 GW

Collected by: Chris Fincher
Collected date/time: 06/07/23 16:15
Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075969	500	06/13/23 10:46	06/13/23 10:46	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082935	100	06/22/23 22:51	06/22/23 22:51	JD	Mt. Juliet, TN

LDS-12 L1624244-24 GW

Collected by: Chris Fincher
Collected date/time: 06/07/23 16:45
Received date/time: 06/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2075969	100	06/13/23 10:48	06/13/23 10:48	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2082935	100	06/22/23 23:00	06/22/23 23:00	JD	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.

Stacy Kennedy
Project Manager

Project Comments

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.

Sample Delivery Group (SDG) Narrative

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

Batch	Method	Lab Sample ID
WG2075968	350.1	L1624244-01, 02, 04, 05, 06, 07, 09, 10, 11
WG2075969	350.1	L1624244-12, 15, 16, 17, 23, 24

Wet Chemistry by Method 9056A

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
WG2080807	L1624244-05	Chloride

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

Batch	Lab Sample ID	Analytes
WG2081019	(MS) R3940063-4	Chloride
WG2082935	(MS) R3941305-4, L1624244-20	Chloride

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

Batch	Lab Sample ID	Analytes
WG2081019	(MSD) R3940063-5	Chloride

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	10.75	su
Specific Conductance (on site)	20916	umhos/cm
Temperature (on-site)	27.1	Deg. C
Turbidity (on-site)	88.9	NTU
Dissolved Oxygen (on-site)	1.41	mg/l
eH/ORP (On Site)	179.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1790		15.8	500	06/12/2023 18:30	WG2075968

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1760		3.00	20	06/20/2023 15:52	WG2080792

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.75	su
Specific Conductance (on site)	15589	umhos/cm
Temperature (on-site)	33.8	Deg. C
Turbidity (on-site)	26.08	NTU
Dissolved Oxygen (on-site)	1.83	mg/l
eH/ORP (On Site)	187.2	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	975		15.8	500	06/12/2023 18:31	WG2075968

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1530		3.00	20	06/20/2023 16:02	WG2080792

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	9.38	su
Specific Conductance (on site)	10004	umhos/cm
Temperature (on-site)	34	Deg. C
Turbidity (on-site)	143.25	NTU
Dissolved Oxygen (on-site)	4.37	mg/l
eH/ORP (On Site)	179.8	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	577		15.8	500	06/12/2023 18:33	WG2075968

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	801		3.00	10	06/20/2023 15:33	WG2080807

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	10.42	su
Specific Conductance (on site)	19126	umhos/cm
Temperature (on-site)	32.4	Deg. C
Turbidity (on-site)	27.6	NTU
Dissolved Oxygen (on-site)	0.67	mg/l
eH/ORP (On Site)	174.6	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1500		15.8	500	06/12/2023 18:34	WG2075968

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1570		3.00	10	06/20/2023 15:46	WG2080807

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	9.1	su
Specific Conductance (on site)	29210	umhos/cm
Temperature (on-site)	32.3	Deg. C
Turbidity (on-site)	111.52	NTU
Dissolved Oxygen (on-site)	0.33	mg/l
eH/ORP (On Site)	149.9	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	2620		15.8	500	06/12/2023 18:40	WG2075968

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2430	E	3.00	10	06/20/2023 16:00	WG2080807

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	10.44	su
Specific Conductance (on site)	20890	umhos/cm
Temperature (on-site)	30.7	Deg. C
Turbidity (on-site)	243.01	NTU
Dissolved Oxygen (on-site)	2.34	mg/l
eH/ORP (On Site)	165.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1570		15.8	500	06/12/2023 18:42	WG2075968

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1770		3.00	20	06/20/2023 16:13	WG2080807

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	9.76	su
Specific Conductance (on site)	22720	umhos/cm
Temperature (on-site)	31.1	Deg. C
Turbidity (on-site)	204.27	NTU
Dissolved Oxygen (on-site)	1.94	mg/l
eH/ORP (On Site)	171.2	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1720		15.8	500	06/12/2023 18:43	WG2075968

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2170		3.00	20	06/20/2023 16:27	WG2080807

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	11.25	su
Specific Conductance (on site)	2792	umhos/cm
Temperature (on-site)	32.1	Deg. C
Turbidity (on-site)	5.37	NTU
Dissolved Oxygen (on-site)	1.7	mg/l
eH/ORP (On Site)	148.9	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	798		6.34	200	06/12/2023 18:45	WG2075968

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1000		3.00	10	06/20/2023 17:07	WG2080807

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

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	11.62	su
Specific Conductance (on site)	19532	umhos/cm
Temperature (on-site)	31.7	Deg. C
Turbidity (on-site)	45.05	NTU
Dissolved Oxygen (on-site)	1.46	mg/l
eH/ORP (On Site)	196.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1550		6.34	200	06/12/2023 18:46	WG2075968

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1800		3.00	10	06/20/2023 17:20	WG2080807

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	9.63	su
Specific Conductance (on site)	24753	umhos/cm
Temperature (on-site)	36.3	Deg. C
Turbidity (on-site)	80.79	NTU
Dissolved Oxygen (on-site)	0.22	mg/l
eH/ORP (On Site)	143.6	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1980		6.34	200	06/12/2023 18:48	WG2075968

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2140		3.00	20	06/20/2023 17:34	WG2080807

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	9.63	su
Specific Conductance (on site)	21240	umhos/cm
Temperature (on-site)	32.9	Deg. C
Turbidity (on-site)	60.37	NTU
Dissolved Oxygen (on-site)	1.56	mg/l
eH/ORP (On Site)	143.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1460		15.8	500	06/12/2023 18:49	WG2075968

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1690		3.00	10	06/20/2023 17:47	WG2080807

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	9.9	su
Specific Conductance (on site)	19131	umhos/cm
Temperature (on-site)	34.4	Deg. C
Turbidity (on-site)	188.13	NTU
Dissolved Oxygen (on-site)	2.55	mg/l
eH/ORP (On Site)	146.3	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1300		6.34	200	06/13/2023 10:25	WG2075969

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1680		3.00	10	06/20/2023 18:01	WG2080807

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.27	su
Specific Conductance (on site)	4582	umhos/cm
Temperature (on-site)	33.1	Deg. C
Turbidity (on-site)	129.18	NTU
Dissolved Oxygen (on-site)	1.4	mg/l
eH/ORP (On Site)	124.6	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	16.4		0.158	5	06/13/2023 10:27	WG2075969

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	359		3.00	5	06/20/2023 18:14	WG2080807

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.29	su
Specific Conductance (on site)	3596	umhos/cm
Temperature (on-site)	32.6	Deg. C
Turbidity (on-site)	18.54	NTU
Dissolved Oxygen (on-site)	3.84	mg/l
eH/ORP (On Site)	120.3	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	17.2		0.158	5	06/13/2023 11:04	WG2075969

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	355		3.00	5	06/20/2023 18:27	WG2080807

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.51	su
Specific Conductance (on site)	18467	umhos/cm
Temperature (on-site)	36.6	Deg. C
Turbidity (on-site)	1637.41	NTU
Dissolved Oxygen (on-site)	0.93	mg/l
eH/ORP (On Site)	162.2	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	189		3.17	100	06/13/2023 11:06	WG2075969

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1790		3.00	20	06/20/2023 17:35	WG2081019

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	10.65	su
Specific Conductance (on site)	17815	umhos/cm
Temperature (on-site)	29.3	Deg. C
Turbidity (on-site)	134.81	NTU
Dissolved Oxygen (on-site)	3	mg/l
eH/ORP (On Site)	150.7	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	939		6.34	200	06/13/2023 10:31	WG2075969

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1160		5.19	100	06/22/2023 21:06	WG2082935

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	11.24	su
Specific Conductance (on site)	11517	umhos/cm
Temperature (on-site)	29.1	Deg. C
Turbidity (on-site)	80.27	NTU
Dissolved Oxygen (on-site)	0.79	mg/l
eH/ORP (On Site)	190.8	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	419		15.8	500	06/13/2023 10:33	WG2075969

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	764		5.19	100	06/22/2023 21:15	WG2082935

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	10.05	su
Specific Conductance (on site)	14991	umhos/cm
Temperature (on-site)	35.9	Deg. C
Turbidity (on-site)	7.7	NTU
Dissolved Oxygen (on-site)	0.65	mg/l
eH/ORP (On Site)	154.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	196		1.58	50	06/13/2023 10:34	WG2075969

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1590		5.19	100	06/22/2023 21:25	WG2082935

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

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	12.52	su
Specific Conductance (on site)	6073	umhos/cm
Temperature (on-site)	29.4	Deg. C
Turbidity (on-site)	6.14	NTU
Dissolved Oxygen (on-site)	1.7	mg/l
eH/ORP (On Site)	158.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	186		6.34	200	06/13/2023 10:36	WG2075969

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	311		3.00	20	06/22/2023 21:34	WG2082935

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.22	su
Specific Conductance (on site)	12082	umhos/cm
Temperature (on-site)	36	Deg. C
Turbidity (on-site)	1678.01	NTU
Dissolved Oxygen (on-site)	2.28	mg/l
eH/ORP (On Site)	182.5	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	16.1		1.58	50	06/13/2023 10:37	WG2075969

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	142	J6	3.00	1	06/22/2023 21:44	WG2082935

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	9.35	su
Specific Conductance (on site)	4280	umhos/cm
Temperature (on-site)	29.5	Deg. C
Turbidity (on-site)	17.14	NTU
Dissolved Oxygen (on-site)	2.04	mg/l
eH/ORP (On Site)	109.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	25.6		0.634	20	06/13/2023 10:39	WG2075969

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	125		3.00	1	06/22/2023 22:13	WG2082935

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	9.01	su
Specific Conductance (on site)	11411	umhos/cm
Temperature (on-site)	33.5	Deg. C
Turbidity (on-site)	19.72	NTU
Dissolved Oxygen (on-site)	0.91	mg/l
eH/ORP (On Site)	118.6	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	645		6.34	200	06/13/2023 10:45	WG2075969

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1320		5.19	100	06/22/2023 22:41	WG2082935

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	9.17	su
Specific Conductance (on site)	22519	umhos/cm
Temperature (on-site)	30.1	Deg. C
Turbidity (on-site)	186.91	NTU
Dissolved Oxygen (on-site)	0.35	mg/l
eH/ORP (On Site)	138.3	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1080		15.8	500	06/13/2023 10:46	WG2075969

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1980		5.19	100	06/22/2023 22:51	WG2082935

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

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	8.97	su
Specific Conductance (on site)	14477	umhos/cm
Temperature (on-site)	30.3	Deg. C
Turbidity (on-site)	48.04	NTU
Dissolved Oxygen (on-site)	0.96	mg/l
eH/ORP (On Site)	124.5	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	353		3.17	100	06/13/2023 10:48	WG2075969

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1230		5.19	100	06/22/2023 23:00	WG2082935

Method Blank (MB)

(MB) R3935739-1 06/12/23 17:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ammonia Nitrogen	ND		0.0317	0.100

L1624137-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1624137-03 06/12/23 18:09 • (DUP) R3935739-5 06/12/23 18:10

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	37.5	37.0	5	1.25		10

L1624137-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1624137-07 06/12/23 18:22 • (DUP) R3935739-7 06/12/23 18:24

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	5.27	5.10	5	3.32		10

Laboratory Control Sample (LCS)

(LCS) R3935739-2 06/12/23 17:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.35	98.0	90.0-110	

L1624137-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1624137-02 06/12/23 18:04 • (MS) R3935739-3 06/12/23 18:06 • (MSD) R3935739-4 06/12/23 18:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	25.0	5.58	31.1	30.8	102	101	5	90.0-110			1.07	10

L1624137-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1624137-06 06/12/23 18:15 • (MS) R3935739-6 06/12/23 18:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	25.0	8.51	34.2	103	5	90.0-110	

Method Blank (MB)

(MB) R3936043-1 06/13/23 10:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ammonia Nitrogen	ND		0.0317	0.100

L1623679-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1623679-01 06/13/23 10:16 • (DUP) R3936043-5 06/13/23 10:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	29.1	29.7	10	2.14		10

L1624296-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1624296-04 06/13/23 10:52 • (DUP) R3936043-8 06/13/23 10:54

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

Laboratory Control Sample (LCS)

(LCS) R3936043-2 06/13/23 10:03

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.44	99.2	90.0-110	

L1623492-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1623492-01 06/13/23 10:12 • (MS) R3936043-3 06/13/23 10:13 • (MSD) R3936043-4 06/13/23 10:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	0.984	5.94	5.89	99.1	98.2	1	90.0-110			0.828	10

L1624296-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1624296-01 06/13/23 10:49 • (MS) R3936043-7 06/13/23 10:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	25.0	31.0	54.5	93.8	5	90.0-110	E

Method Blank (MB)

(MB) R3939814-1 06/20/23 09:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.104		0.0519	1.00

L1622551-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1622551-19 06/20/23 12:03 • (DUP) R3939814-3 06/20/23 12:12

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	84.0	86.3	1	2.63		15

L1622551-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1622551-20 06/20/23 16:11 • (DUP) R3939814-6 06/20/23 16:21

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	125	125	1	0.0378		15

Laboratory Control Sample (LCS)

(LCS) R3939814-2 06/20/23 09:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.4	101	80.0-120	

L1622551-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1622551-19 06/20/23 12:03 • (MS) R3939814-4 06/20/23 12:22 • (MSD) R3939814-5 06/20/23 12:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	84.0	127	130	86.1	91.5	1	80.0-120			2.08	15

L1622551-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1622551-20 06/20/23 16:11 • (MS) R3939814-7 06/20/23 16:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	125	169	88.9	1	80.0-120	

Method Blank (MB)

(MB) R3940187-1 06/20/23 09:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.470	J	0.0519	1.00

L1623876-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1623876-03 06/20/23 13:19 • (DUP) R3940187-3 06/20/23 13:32

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	ND	ND	1	2.38		15

L1624049-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1624049-07 06/20/23 18:41 • (DUP) R3940187-6 06/20/23 18:54

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	80.7	83.5	1	3.35		15

Laboratory Control Sample (LCS)

(LCS) R3940187-2 06/20/23 10:03

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.0	97.5	80.0-120	

L1623876-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1623876-03 06/20/23 13:19 • (MS) R3940187-4 06/20/23 13:45 • (MSD) R3940187-5 06/20/23 14:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	ND	50.7	49.7	99.6	97.6	1	80.0-120			2.03	15

L1624049-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1624049-07 06/20/23 18:41 • (MS) R3940187-7 06/20/23 19:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	80.7	127	91.6	1	80.0-120	

Method Blank (MB)

(MB) R3940063-2 06/20/23 15:16

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.198		0.0519	1.00

L1621977-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1621977-01 06/20/23 16:30 • (DUP) R3940063-3 06/20/23 16:43

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	147	146	1	0.300		15

Laboratory Control Sample (LCS)

(LCS) R3940063-1 06/20/23 14:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.5	96.3	80.0-120	

L1621977-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1621977-01 06/20/23 16:30 • (MS) R3940063-4 06/20/23 16:56 • (MSD) R3940063-5 06/20/23 17:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	147	130	189	0.000	85.7	1	80.0-120	J6	J3	37.1	15

Method Blank (MB)

(MB) R3941305-1 06/22/23 20:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.0642		0.0519	1.00

L1624244-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1624244-20 06/22/23 21:44 • (DUP) R3941305-3 06/22/23 21:54

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	142	142	1	0.0517		15

Laboratory Control Sample (LCS)

(LCS) R3941305-2 06/22/23 20:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	41.2	103	80.0-120	

L1624244-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1624244-20 06/22/23 21:44 • (MS) R3941305-4 06/22/23 22:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	142	176	68.1	1	80.0-120	J6

Sample Narrative:

MS: Matrix spike failure due to matrix.

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

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
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
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Report to: **Jodi Reynolds**

Email To: **jeffholmgren@sbcglobal.net;jreyno10@wm.co**

Project Description: **Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, De**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project # **300**

Lab Project # **WMECOVISAR-00005**

Collected by (print): Chris Fincher

Site/Facility ID # **AR03**

P.O. # **11057634**

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 624241
E190

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P999781**
PM: **616 - Stacy Kennedy**
PB: DIC 5/25/23

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4	Remarks	Sample # (lab only)
LCS-1	Grab	GW	N/A	6.7.23	1100	2	X	X		-01
LCS-2		GW			1130	2	X	X		-02
LCS-3		GW			1200	2	X	X		-03
LCS-4		GW			1230	2	X	X		-04
LCS-5		GW			1300	2	X	X		-05
LCS-6		GW			1330	2	X	X		-06
LCS-7		GW			1400	2	X	X		-07
LCS-8		GW			1430	2	X	X		-08
LCS-9		GW			1500	2	X	X		-09
LCS-10		GW			1530	2	X	X		-10

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:Pace project service: Check for multiple coolers upon receipt.

pH ____ Temp ____

Flow ____ Other ____

Samples returned via:
__ UPS __ FedEx __ Courier ____

Tracking # 6481 5472 3769

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y __N
COC Signed/Accurate: Y __N
Bottles arrive intact: Y __N
Correct bottles used: Y __N
Sufficient volume sent: Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	6.7.23	1730			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.5 °C 3.1 +0 = 3.1	Bottles Received: 48
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6-8-23	Time: 900

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Pres Chk

Report to: **Jodi Reynolds**

Email To: **jeffholmgren@sbcglobal.net;jreyno10@wm.co**

Project Description: **Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, De**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project # **300**

Lab Project # **WMECOVISAR-00005**

Collected by (print): Chris Fincher

Site/Facility ID # **AR03**

P.O. # **11057634**

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 624244

Table #

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P999781**
PM: **616 - Stacy Kennedy**
PB: DLC 5/23/23

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4	Remarks	Sample # (lab only)
LCS-11	Grab	GW	N/A	6.7.23	1600	2	X	X		-11
LCS-12		GW			1630	2	X	X		-12
LDS-1		GW			1115	2	X	X		-13
LDS-2		GW			1145	2	X	X		-14
LDS-3		GW			1215	2	X	X		-15
LDS-4		GW			1245	2	X	X		-16
LDS-5		GW			1315	2	X	X		-17
LDS-6		GW			1345	2	X	X		-18
LDS-7		GW			1415	2	X	X		-19
LDS-8		GW			1445	2	X	X		-20

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:Pace project service: Check for multiple coolers upon receipt.

pH ____ Temp ____

Flow ____ Other ____

Samples returned via:
__ UPS __ FedEx __ Courier ____

Tracking # 6481 5472 3769

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	6.7.23	1730			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp NSN 7 °C 3.1+0=3.1	Bottles Received: 48
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Eli Wasselt 17	Date: 6-8-23	Time: 900

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Pres Chk

Report to: **Jodi Reynolds**

Email To: **jeffholmgren@sbcglobal.net;jreyno10@wm.co**

Project Description: **Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, De**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project # **300**

Lab Project # **WMECOVISAR-00005**

Collected by (print): Chris Fowler

Site/Facility ID # **AR03**

P.O. # **11057634**

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 3 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 624244

Table #

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P999781**
PM: **616 - Stacy Kennedy**
PB: DK 5/23 d3

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4	Remarks	Sample # (lab only)
LDS-9	Grab	GW	N/A	6-7-23	1515	2	X	X		-21
LDS-10	↓	GW	↓	↓	1545	2	X	X		-22
LDS-11		GW			1615	2	X	X		-23
LDS-12		GW			1645	2	X	X		-24
~~LGW-2~~ Trip Blank		GW				2	~~X~~	~~X~~		-25
~~LGW-3R~~		GW				2	X	X		6/8
~~LGW-4~~		GW				2	X	X		
~~LGW-5~~		GW				2	X	X		
~~LGW-6~~		GW				2	X	X		
~~LGW-7~~		GW				2	X	X		

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:Pace project service: Check for multiple coolers upon receipt.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 6481 5472 3769

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y __N
COC Signed/Accurate: Y __N
Bottles arrive intact: Y __N
Correct bottles used: Y __N
Sufficient volume sent: Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: Y __N
RAD Screen <0.5 mR/hr: Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	6.7.23	1730		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: NSA °C Bottles Received: 3.1 +0=3.1 48
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6-8-23 Time: 900
			Eri Dostie 17	Hold: Condition: NCF / OK