Haley Griffith (adpce.ad)

From: Stacy Kennedy <Stacy.Kennedy@pacelabs.com>
Sent: Sunday, January 28, 2024 4:14 PM
To: gwreports
Subject: Lab Report Submittal for WM Eco-Vista (2 of 4)
Attachments: L1652528.pdf; L1653195.pdf; L1662806.pdf; L1642810.pdf

Good afternoon,
(2 of 4)

Please accept the following lab reports for Eco-Vista Landfill: Monthly GW/LCS/LDS, 3Q23, and 4Q23

L1632964
L1633566
L1633891
L1633864
L1642293
L1642810
L1652528
L1653195
L1662806
L1663702
L1664045
L1674004
L1674883
L1686168
L1686474

Thank you,

Stacy Kennedy
Project Manager I
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Stacy.Kennedy@pacelabs.com | www.pacenational.com

MAKE YOUR PAYMENTS ONLINE

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ANALYTICAL REPORT

September 12, 2023

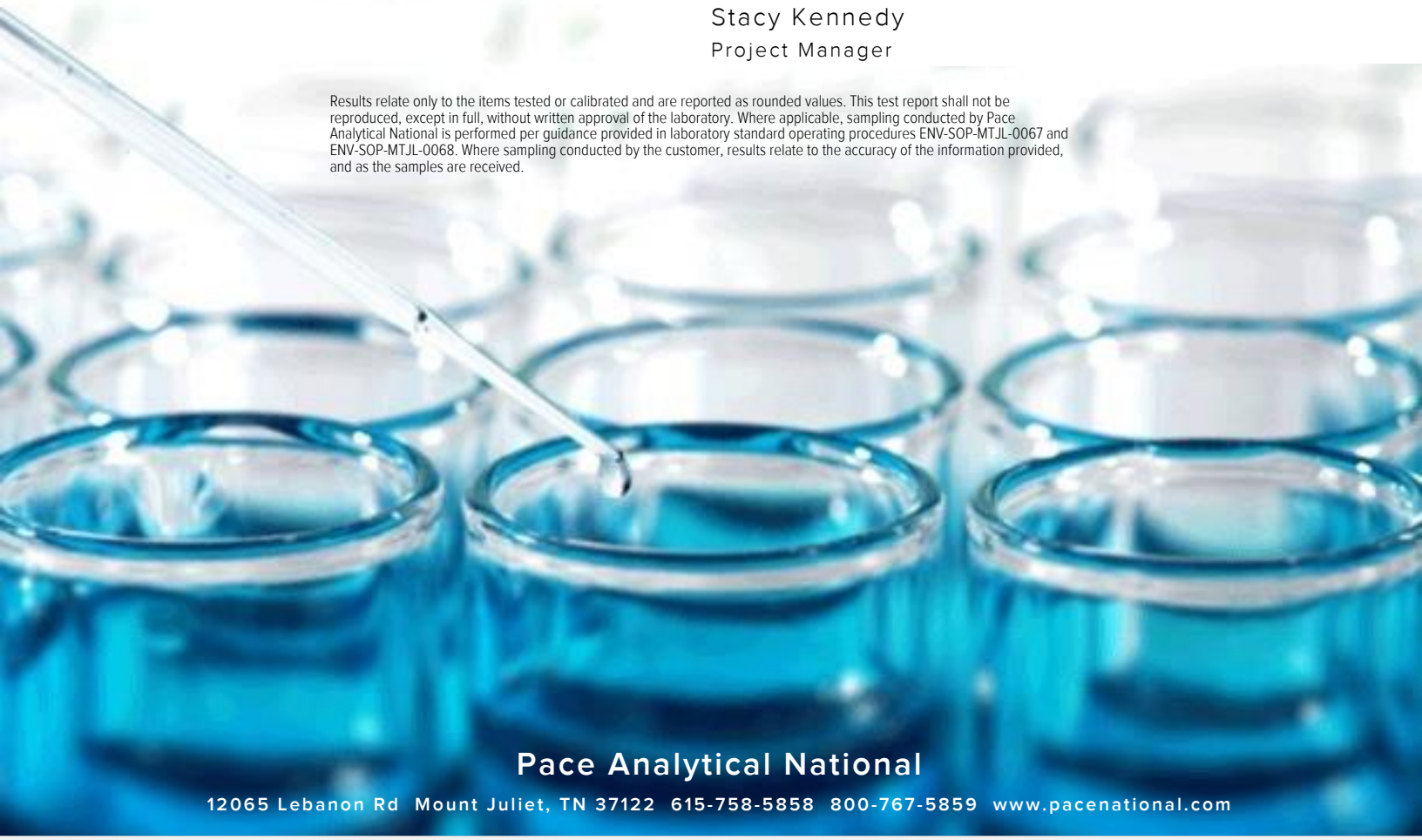
Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1652528
Samples Received:	09/02/2023
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.



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LCS-1 L1652528-01 GW

Collected by: Chris F. | Collected date/time: 09/01/23 09:30 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2127165	500	09/06/23 21:58	09/06/23 21:58	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	100	09/06/23 12:42	09/06/23 12:42	KMK	Mt. Juliet, TN

LCS-2 L1652528-02 GW

Collected by: Chris F. | Collected date/time: 09/01/23 10:00 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2127165	500	09/06/23 21:59	09/06/23 21:59	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	100	09/06/23 13:19	09/06/23 13:19	KMK	Mt. Juliet, TN

LCS-3 L1652528-03 GW

Collected by: Chris F. | Collected date/time: 09/01/23 10:30 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2127165	500	09/06/23 22:01	09/06/23 22:01	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	100	09/06/23 13:29	09/06/23 13:29	KMK	Mt. Juliet, TN

LCS-4 L1652528-04 GW

Collected by: Chris F. | Collected date/time: 09/01/23 11:00 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2127165	500	09/06/23 22:02	09/06/23 22:02	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	100	09/06/23 13:38	09/06/23 13:38	KMK	Mt. Juliet, TN

LCS-5 L1652528-05 GW

Collected by: Chris F. | Collected date/time: 09/01/23 11:30 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2127165	500	09/06/23 22:08	09/06/23 22:08	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	100	09/06/23 14:07	09/06/23 14:07	KMK	Mt. Juliet, TN

LCS-6 L1652528-06 GW

Collected by: Chris F. | Collected date/time: 09/01/23 12:00 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	500	09/06/23 23:46	09/06/23 23:46	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	100	09/06/23 14:16	09/06/23 14:16	KMK	Mt. Juliet, TN

LCS-7 L1652528-07 GW

Collected by: Chris F. | Collected date/time: 09/01/23 12:30 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	500	09/06/23 23:48	09/06/23 23:48	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	100	09/06/23 14:26	09/06/23 14:26	KMK	Mt. Juliet, TN

LCS-8 L1652528-08 GW

Collected by: Chris F. | Collected date/time: 09/01/23 13:00 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	200	09/06/23 23:49	09/06/23 23:49	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	100	09/06/23 14:35	09/06/23 14:35	KMK	Mt. Juliet, TN

LCS-9 L1652528-09 GW

Collected by: Chris F. | Collected date/time: 09/01/23 13:30 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	200	09/06/23 23:51	09/06/23 23:51	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	100	09/06/23 14:45	09/06/23 14:45	KMK	Mt. Juliet, TN

LCS-10 L1652528-10 GW

Collected by: Chris F. | Collected date/time: 09/01/23 14:00 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	200	09/06/23 23:52	09/06/23 23:52	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	100	09/06/23 14:54	09/06/23 14:54	KMK	Mt. Juliet, TN

LCS-11 L1652528-11 GW

Collected by: Chris F. | Collected date/time: 09/01/23 14:30 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	500	09/06/23 23:54	09/06/23 23:54	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	100	09/06/23 15:04	09/06/23 15:04	KMK	Mt. Juliet, TN

LCS-12 L1652528-12 GW

Collected by: Chris F. | Collected date/time: 09/01/23 15:00 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	200	09/06/23 23:55	09/06/23 23:55	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	100	09/06/23 15:13	09/06/23 15:13	KMK	Mt. Juliet, TN

LDS-1 L1652528-13 GW

Collected by: Chris F. | Collected date/time: 09/01/23 09:45 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	5	09/06/23 23:57	09/06/23 23:57	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	5	09/06/23 15:23	09/06/23 15:23	KMK	Mt. Juliet, TN

LDS-2 L1652528-14 GW

Collected by: Chris F. | Collected date/time: 09/01/23 10:15 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	5	09/07/23 00:06	09/07/23 00:06	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	5	09/06/23 15:32	09/06/23 15:32	KMK	Mt. Juliet, TN

LDS-3 L1652528-15 GW

Collected by: Chris F. | Collected date/time: 09/01/23 10:45 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	100	09/07/23 00:07	09/07/23 00:07	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	100	09/06/23 16:01	09/06/23 16:01	KMK	Mt. Juliet, TN

LDS-4 L1652528-16 GW

Collected by: Chris F. | Collected date/time: 09/01/23 11:15 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	200	09/07/23 00:09	09/07/23 00:09	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	100	09/06/23 16:10	09/06/23 16:10	KMK	Mt. Juliet, TN

LDS-5 L1652528-17 GW

Collected by: Chris F. | Collected date/time: 09/01/23 11:45 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	500	09/07/23 00:10	09/07/23 00:10	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	100	09/06/23 16:20	09/06/23 16:20	KMK	Mt. Juliet, TN

LDS-6 L1652528-18 GW

Collected by: Chris F. | Collected date/time: 09/01/23 12:15 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	50	09/07/23 00:12	09/07/23 00:12	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	100	09/06/23 16:29	09/06/23 16:29	KMK	Mt. Juliet, TN

LDS-7 L1652528-19 GW

Collected by: Chris F. | Collected date/time: 09/01/23 12:45 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	200	09/07/23 00:13	09/07/23 00:13	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	5	09/06/23 16:39	09/06/23 16:39	KMK	Mt. Juliet, TN

LDS-8 L1652528-20 GW

Collected by: Chris F. | Collected date/time: 09/01/23 13:15 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	100	09/07/23 00:15	09/07/23 00:15	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127173	100	09/06/23 16:48	09/06/23 16:48	KMK	Mt. Juliet, TN

LDS-9 L1652528-21 GW

Collected by: Chris F. | Collected date/time: 09/01/23 13:45 | Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	20	09/07/23 00:16	09/07/23 00:16	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127948	1	09/07/23 12:27	09/07/23 12:27	HMM	Mt. Juliet, TN

LDS-10 L1652528-22 GW

Collected by: Chris F.
Collected date/time: 09/01/23 14:15
Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	200	09/07/23 00:22	09/07/23 00:22	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127948	100	09/07/23 14:34	09/07/23 14:34	HMM	Mt. Juliet, TN

LDS-11 L1652528-23 GW

Collected by: Chris F.
Collected date/time: 09/01/23 14:45
Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	500	09/07/23 00:24	09/07/23 00:24	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127948	100	09/07/23 14:47	09/07/23 14:47	HMM	Mt. Juliet, TN

LDS-12 L1652528-24 GW

Collected by: Chris F.
Collected date/time: 09/01/23 15:15
Received date/time: 09/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2126009	100	09/07/23 00:25	09/07/23 00:25	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2127948	100	09/07/23 15:00	09/07/23 15:00	HMM	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
WG2126009	350.1	L1652528-06, 07, 08, 09, 10, 11, 12, 15, 16, 17, 18, 19, 20, 23, 24
WG2127165	350.1	L1652528-01, 02, 03, 04, 05

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2127173	(MS) R3970722-4, (MS) R3970722-7, (MSD) R3970722-5, L1652528-01, 20	Chloride

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

Batch	Lab Sample ID	Analytes
WG2127948	(MS) R3971248-4, (MSD) R3971248-5, L1652528-21	Chloride

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)	19958	umhos/cm
Temperature (on-site)	26.2	Deg. C
Turbidity (on-site)	512.81	NTU
Dissolved Oxygen (on-site)	0.45	mg/l
eH/ORP (On Site)	-387	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	2970		15.8	500	09/06/2023 21:58	WG2127165

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1450	V	5.19	100	09/06/2023 12:42	WG2127173

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)	18427	umhos/cm
Temperature (on-site)	28.5	Deg. C
Turbidity (on-site)	462.15	NTU
Dissolved Oxygen (on-site)	0.54	mg/l
eH/ORP (On Site)	-204.5	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	09/06/2023 21:59	WG2127165

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1710		5.19	100	09/06/2023 13:19	WG2127173

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

Analyte	Result	Units
pH (On Site)	7.44	su
Specific Conductance (on site)	15015	umhos/cm
Temperature (on-site)	29.2	Deg. C
Turbidity (on-site)	454.12	NTU
Dissolved Oxygen (on-site)	3.15	mg/l
eH/ORP (On Site)	-96.1	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	09/06/2023 22:01	WG2127165

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1170		5.19	100	09/06/2023 13:29	WG2127173

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)	21383	umhos/cm
Temperature (on-site)	30.1	Deg. C
Turbidity (on-site)	740.52	NTU
Dissolved Oxygen (on-site)	0.85	mg/l
eH/ORP (On Site)	-208.5	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	09/06/2023 22:02	WG2127165

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1410		5.19	100	09/06/2023 13:38	WG2127173

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)	8.14	su
Specific Conductance (on site)	28571	umhos/cm
Temperature (on-site)	32.3	Deg. C
Turbidity (on-site)	69.7	NTU
Dissolved Oxygen (on-site)	0.65	mg/l
eH/ORP (On Site)	-304.7	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	2880		15.8	500	09/06/2023 22:08	WG2127165

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2020		5.19	100	09/06/2023 14:07	WG2127173

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

Analyte	Result	Units
pH (On Site)	7.58	su
Specific Conductance (on site)	17554	umhos/cm
Temperature (on-site)	26.4	Deg. C
Turbidity (on-site)	4.87	NTU
Dissolved Oxygen (on-site)	2.46	mg/l
eH/ORP (On Site)	-125.8	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1670		15.8	500	09/06/2023 23:46	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1630		5.19	100	09/06/2023 14:16	WG2127173

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

Analyte	Result	Units
pH (On Site)	7.53	su
Specific Conductance (on site)	25936	umhos/cm
Temperature (on-site)	33.7	Deg. C
Turbidity (on-site)	992.73	NTU
Dissolved Oxygen (on-site)	2.92	mg/l
eH/ORP (On Site)	-77.8	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	09/06/2023 23:48	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2040		5.19	100	09/06/2023 14:26	WG2127173

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

Analyte	Result	Units
pH (On Site)	7.41	su
Specific Conductance (on site)	16213	umhos/cm
Temperature (on-site)	34.6	Deg. C
Turbidity (on-site)	501.17	NTU
Dissolved Oxygen (on-site)	3.42	mg/l
eH/ORP (On Site)	-61.5	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1000		6.34	200	09/06/2023 23:49	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1060		5.19	100	09/06/2023 14:35	WG2127173

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

Analyte	Result	Units
pH (On Site)	7.41	su
Specific Conductance (on site)	22575	umhos/cm
Temperature (on-site)	32.3	Deg. C
Turbidity (on-site)	28.49	NTU
Dissolved Oxygen (on-site)	1.67	mg/l
eH/ORP (On Site)	-42.3	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1510		6.34	200	09/06/2023 23:51	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1560		5.19	100	09/06/2023 14:45	WG2127173

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

Analyte	Result	Units
pH (On Site)	7.44	su
Specific Conductance (on site)	26121	umhos/cm
Temperature (on-site)	36.1	Deg. C
Turbidity (on-site)	115.49	NTU
Dissolved Oxygen (on-site)	1.05	mg/l
eH/ORP (On Site)	-233.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1840		6.34	200	09/06/2023 23:52	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1980		5.19	100	09/06/2023 14:54	WG2127173

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

Analyte	Result	Units
pH (On Site)	7.58	su
Specific Conductance (on site)	26329	umhos/cm
Temperature (on-site)	34.1	Deg. C
Turbidity (on-site)	144.32	NTU
Dissolved Oxygen (on-site)	3.01	mg/l
eH/ORP (On Site)	-129.7	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1930		15.8	500	09/06/2023 23:54	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1820		5.19	100	09/06/2023 15:04	WG2127173

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

Analyte	Result	Units
pH (On Site)	7.52	su
Specific Conductance (on site)	25774	umhos/cm
Temperature (on-site)	34.3	Deg. C
Turbidity (on-site)	66.75	NTU
Dissolved Oxygen (on-site)	2.41	mg/l
eH/ORP (On Site)	-189.5	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1820		6.34	200	09/06/2023 23:55	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1850		5.19	100	09/06/2023 15:13	WG2127173

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

Analyte	Result	Units
pH (On Site)	6.83	su
Specific Conductance (on site)	6460	umhos/cm
Temperature (on-site)	26.8	Deg. C
Turbidity (on-site)	4.78	NTU
Dissolved Oxygen (on-site)	1.22	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	24.3		0.158	5	09/06/2023 23:57	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	456		3.00	5	09/06/2023 15:23	WG2127173

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

Analyte	Result	Units
pH (On Site)	6.79	su
Specific Conductance (on site)	4315	umhos/cm
Temperature (on-site)	28.1	Deg. C
Turbidity (on-site)	15.26	NTU
Dissolved Oxygen (on-site)	3.07	mg/l
eH/ORP (On Site)	-129.7	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	7.07		0.158	5	09/07/2023 00:06	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	349		3.00	5	09/06/2023 15:32	WG2127173

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

Analyte	Result	Units
pH (On Site)	7.3	su
Specific Conductance (on site)	20421	umhos/cm
Temperature (on-site)	31.4	Deg. C
Turbidity (on-site)	9.65	NTU
Dissolved Oxygen (on-site)	1.41	mg/l
eH/ORP (On Site)	-205.2	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	205		3.17	100	09/07/2023 00:07	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1740		5.19	100	09/06/2023 16:01	WG2127173

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

Analyte	Result	Units
pH (On Site)	7.5	su
Specific Conductance (on site)	18935	umhos/cm
Temperature (on-site)	32.4	Deg. C
Turbidity (on-site)	16.74	NTU
Dissolved Oxygen (on-site)	0.69	mg/l
eH/ORP (On Site)	-228.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1130		6.34	200	09/07/2023 00:09	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	61.4	J	5.19	100	09/06/2023 16:10	WG2127173

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

Analyte	Result	Units
pH (On Site)	7.41	su
Specific Conductance (on site)	12394	umhos/cm
Temperature (on-site)	29.7	Deg. C
Turbidity (on-site)	11.54	NTU
Dissolved Oxygen (on-site)	1.77	mg/l
eH/ORP (On Site)	-162.7	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	275		15.8	500	09/07/2023 00:10	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	510		5.19	100	09/06/2023 16:20	WG2127173

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

Analyte	Result	Units
pH (On Site)	7.56	su
Specific Conductance (on site)	15741	umhos/cm
Temperature (on-site)	25.7	Deg. C
Turbidity (on-site)	4.99	NTU
Dissolved Oxygen (on-site)	1.64	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	202		1.58	50	09/07/2023 00:12	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1360		5.19	100	09/06/2023 16:29	WG2127173

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

Analyte	Result	Units
pH (On Site)	7.22	su
Specific Conductance (on site)	6885	umhos/cm
Temperature (on-site)	28.5	Deg. C
Turbidity (on-site)	4.69	NTU
Dissolved Oxygen (on-site)	2.16	mg/l
eH/ORP (On Site)	-149.8	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	194		6.34	200	09/07/2023 00:13	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	280		3.00	5	09/06/2023 16:39	WG2127173

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

Analyte	Result	Units
pH (On Site)	7.35	su
Specific Conductance (on site)	16621	umhos/cm
Temperature (on-site)	35.4	Deg. C
Turbidity (on-site)	8.29	NTU
Dissolved Oxygen (on-site)	2.5	mg/l
eH/ORP (On Site)	-74.9	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	993		3.17	100	09/07/2023 00:15	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1070	V	5.19	100	09/06/2023 16:48	WG2127173

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

Analyte	Result	Units
pH (On Site)	6.4	su
Specific Conductance (on site)	2960	umhos/cm
Temperature (on-site)	29.4	Deg. C
Turbidity (on-site)	3.25	NTU
Dissolved Oxygen (on-site)	1.96	mg/l
eH/ORP (On Site)	-142.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	17.6		0.634	20	09/07/2023 00:16	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	51.8	J6	3.00	1	09/07/2023 12:27	WG2127948

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)	15018	umhos/cm
Temperature (on-site)	31.2	Deg. C
Turbidity (on-site)	330.65	NTU
Dissolved Oxygen (on-site)	0.96	mg/l
eH/ORP (On Site)	-187.3	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	726		6.34	200	09/07/2023 00:22	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1060		5.19	100	09/07/2023 14:34	WG2127948

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

Analyte	Result	Units
pH (On Site)	7.45	su
Specific Conductance (on site)	30864	umhos/cm
Temperature (on-site)	29.9	Deg. C
Turbidity (on-site)	71.05	NTU
Dissolved Oxygen (on-site)	0.53	mg/l
eH/ORP (On Site)	-257	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1830		15.8	500	09/07/2023 00:24	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2270		5.19	100	09/07/2023 14:47	WG2127948

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

Analyte	Result	Units
pH (On Site)	7.2	su
Specific Conductance (on site)	19028	umhos/cm
Temperature (on-site)	32.7	Deg. C
Turbidity (on-site)	109.45	NTU
Dissolved Oxygen (on-site)	0.87	mg/l
eH/ORP (On Site)	-159.2	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	826		3.17	100	09/07/2023 00:25	WG2126009

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1400		5.19	100	09/07/2023 15:00	WG2127948

Method Blank (MB)

(MB) R3969985-1 09/06/23 23:43

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

L1652528-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1652528-13 09/06/23 23:57 • (DUP) R3969985-3 09/07/23 00:03

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	24.3	24.3	5	0.0618		10

L1652545-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1652545-01 09/07/23 00:27 • (DUP) R3969985-5 09/07/23 00:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	0.354	0.351	1	0.851		10

Laboratory Control Sample (LCS)

(LCS) R3969985-2 09/06/23 23:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.13	95.1	90.0-110	

L1652528-13 Original Sample (OS) • Matrix Spike (MS)

(OS) L1652528-13 09/06/23 23:57 • (MS) R3969985-4 09/07/23 00:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	25.0	24.3	49.0	99.0	5	90.0-110	

L1652545-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1652545-01 09/07/23 00:27 • (MS) R3969985-6 09/07/23 00:30 • (MSD) R3969985-7 09/07/23 00:31

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 %
Ammonia Nitrogen	5.00	0.354	5.59	5.51	105	103	1	90.0-110			1.53	10

Method Blank (MB)

(MB) R3969981-1 09/06/23 21:05

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

L1652810-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1652810-01 09/06/23 22:34 • (DUP) R3969981-6 09/06/23 22:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	0.300	0.293	1	2.36		10

Laboratory Control Sample (LCS)

(LCS) R3969981-2 09/06/23 21:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.31	97.5	90.0-110	

L1652810-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1652810-01 09/06/23 22:34 • (MS) R3969981-7 09/06/23 22:37

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	0.300	5.31	100	1	90.0-110	

QUALITY CONTROL SUMMARY

L1652528-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20

Method Blank (MB)

(MB) R3970722-1 09/06/23 08:42

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

L1652528-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1652528-01 09/06/23 12:42 • (DUP) R3970722-3 09/06/23 12:50

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1450	1340	100	7.55		15

L1652528-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1652528-20 09/06/23 16:48 • (DUP) R3970722-6 09/06/23 16:58

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1070	1040	100	2.60		15

Laboratory Control Sample (LCS)

(LCS) R3970722-2 09/06/23 08:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.3	98.2	80.0-120	

L1652528-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1652528-01 09/06/23 12:42 • (MS) R3970722-4 09/06/23 13:00 • (MSD) R3970722-5 09/06/23 13:10

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	40.0	1450	1130	1110	0.000	0.000	100	80.0-120	V	V	1.23	15

L1652528-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1652528-20 09/06/23 16:48 • (MS) R3970722-7 09/06/23 17:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	1070	871	0.000	100	80.0-120	V

Method Blank (MB)

(MB) R3971248-1 09/07/23 11:42

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

L1652528-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1652528-21 09/07/23 12:27 • (DUP) R3971248-3 09/07/23 12:40

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	51.8	50.5	1	2.59		15

L1653154-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1653154-06 09/07/23 20:31 • (DUP) R3971248-6 09/07/23 20:44

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	7.84	7.90	1	0.682		15

Laboratory Control Sample (LCS)

(LCS) R3971248-2 09/07/23 11:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.6	99.1	80.0-120	

L1652528-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1652528-21 09/07/23 12:27 • (MS) R3971248-4 09/07/23 12:53 • (MSD) R3971248-5 09/07/23 13:05

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	40.0	51.8	80.6	79.9	72.0	70.2	1	80.0-120	J6	J6	0.858	15

L1653154-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1653154-06 09/07/23 20:31 • (MS) R3971248-7 09/07/23 20:57

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	7.84	47.1	98.1	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.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	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:
ciara.childers.beavers@jettenviro.com;jeffholm

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):
Christy 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

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 # 165258

Table #

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P1018814**
PM: 616 - Stacy Kennedy
PB: 8/23/23 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	9.1.23	0930	2	X	X		-01
LCS-2		GW			1000	2	X	X		-02
LCS-3		GW			1030	2	X	X		-03
LCS-4		GW			1100	2	X	X		-04
LCS-5		GW			1130	2	X	X		-05
LCS-6		GW			1200	2	X	X		-06
LCS-7		GW			1230	2	X	X		-07
LCS-8		GW			1300	2	X	X		-08
LCS-9		GW			1330	2	X	X		-09
LCS-10		GW			1400	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 # 6643 4299 7352

Sample Receipt Checklist

COC Seal Present/Intact:	NP	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: 9.1.23	Time: 1600	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.4 °C Bottles Received: GBA8 3.4 to 3.4	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9-2-23 Time: 9:00	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

Report to: **Jodi Reynolds**

Email To: **ciara.childers.beavers@jettenviro.com;jeffholm**

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): Christy 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

Chain of Custody Page 2 of 3

Pace
PEOPLE ADVANCING SCIENCE

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SDG # 165258

Table #

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P1018814**
PM: **616 - Stacy Kennedy**
PB: 8/23/23 CAM

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4	Pres Chk	Remarks	Sample # (lab only)
LCS-11	Grab	GW	N/A	9.1.23	1430	2	X	X			-11
LCS-12		GW			1500	2	X	X			-12
LDS-1		GW			0945	2	X	X			-13
LDS-2		GW			1015	2	X	X			-14
LDS-3		GW			1045	2	X	X			-15
LDS-4		GW			1115	2	X	X			-16
LDS-5		GW			1145	2	X	X			-17
LDS-6		GW			1215	2	X	X			-18
LDS-7		GW			1245	2	X	X			-19
LDS-8		GW			1315	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 # 6643 4299 7352

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
	9.1.23	1600		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: GBAB 3.4+0=3.4
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9-2-23 Time: 9:00
				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

Report to: **Jodi Reynolds**

Email To: **ciara.childers.beavers@jettenviro.com;jeffholm**

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. #

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

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	9.1.23	1345	2	X	X										-21
LDS-10	↓	GW	↓	↓	1415	2	X	X										-22
LDS-11		GW			1445	2	X	X										-23
LDS-12		GW			1515	2	X	X										-24
~~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
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MT JULIET, TN
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SDG # 165258

Table #

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P1018814**
PM: ~~616~~ **- Stacy Kennedy**
PB: 8/23/23 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 # 6643 4299 7352

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
	9.1.23	1600		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: GBA8 3.4+0=3.4
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9-2-23 Time: 9:00
				Hold:

Condition: NCF / OK

ANALYTICAL REPORT

September 13, 2023

Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1653195
Samples Received:	09/06/2023
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.

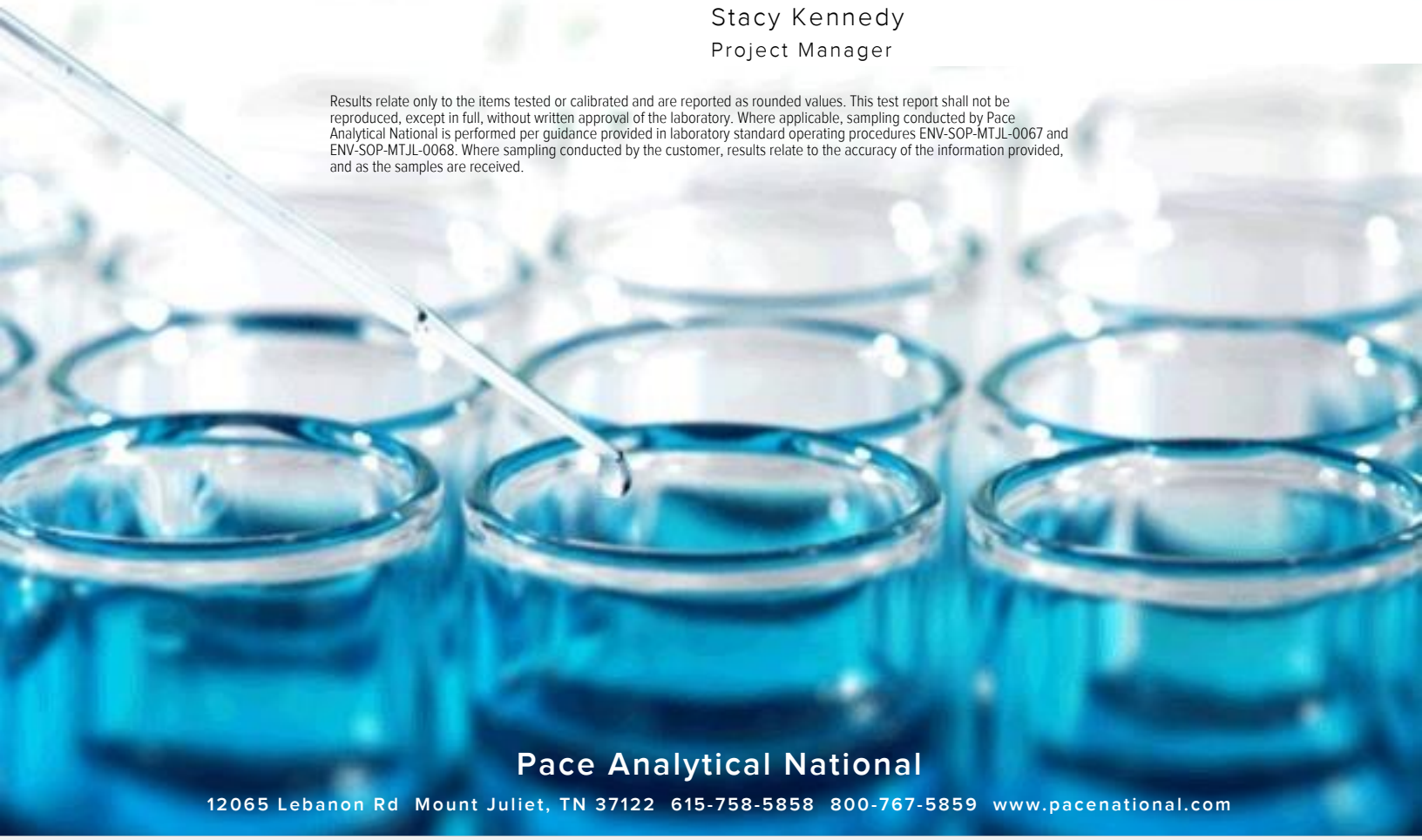


TABLE OF CONTENTS

LGW-6-DUP L1653195-01 GW

Collected by: Chris Fincher | Collected date/time: 09/02/23 07:00 | Received date/time: 09/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2128134	1	09/07/23 16:00	09/07/23 16:00	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2128156	1	09/07/23 15:08	09/07/23 15:08	KMK	Mt. Juliet, TN

LGW-2 L1653195-02 GW

Collected by: Chris Fincher | Collected date/time: 09/01/23 20:30 | Received date/time: 09/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2128134	1	09/07/23 16:04	09/07/23 16:04	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2128156	1	09/07/23 15:17	09/07/23 15:17	KMK	Mt. Juliet, TN

LGW-3R L1653195-03 GW

Collected by: Chris Fincher | Collected date/time: 09/02/23 14:45 | Received date/time: 09/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2128134	1	09/07/23 16:07	09/07/23 16:07	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2128156	5	09/07/23 15:27	09/07/23 15:27	KMK	Mt. Juliet, TN

LGW-4 L1653195-04 GW

Collected by: Chris Fincher | Collected date/time: 09/02/23 14:05 | Received date/time: 09/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2128134	1	09/07/23 16:09	09/07/23 16:09	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2128156	1	09/07/23 15:36	09/07/23 15:36	KMK	Mt. Juliet, TN

LGW-5 L1653195-05 GW

Collected by: Chris Fincher | Collected date/time: 09/02/23 13:25 | Received date/time: 09/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2128134	1	09/07/23 16:10	09/07/23 16:10	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2128156	1	09/07/23 15:46	09/07/23 15:46	KMK	Mt. Juliet, TN

LGW-6 L1653195-06 GW

Collected by: Chris Fincher | Collected date/time: 09/02/23 11:50 | Received date/time: 09/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2128134	1	09/07/23 16:16	09/07/23 16:16	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2128156	1	09/07/23 15:55	09/07/23 15:55	KMK	Mt. Juliet, TN

LGW-7 L1653195-07 GW

Collected by: Chris Fincher | Collected date/time: 09/02/23 10:30 | Received date/time: 09/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2128134	1	09/07/23 16:18	09/07/23 16:18	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2128156	1	09/07/23 16:05	09/07/23 16:05	KMK	Mt. Juliet, TN

LGW-8R L1653195-08 GW

Collected by: Chris Fincher | Collected date/time: 09/02/23 11:05 | Received date/time: 09/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2128134	1	09/07/23 16:19	09/07/23 16:19	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2128156	1	09/07/23 16:14	09/07/23 16:14	KMK	Mt. Juliet, TN

LGW-9 L1653195-09 GW

Collected by: Chris Fincher | Collected date/time: 09/02/23 09:15 | Received date/time: 09/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2128134	1	09/07/23 16:21	09/07/23 16:21	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2128156	1	09/07/23 16:24	09/07/23 16:24	KMK	Mt. Juliet, TN

LGW-10 L1653195-10 GW

Collected by: Chris Fincher | Collected date/time: 09/02/23 09:50 | Received date/time: 09/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2128134	1	09/07/23 16:22	09/07/23 16:22	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2128156	1	09/07/23 16:33	09/07/23 16:33	KMK	Mt. Juliet, TN

LGW-14R L1653195-11 GW

Collected by: Chris Fincher | Collected date/time: 09/02/23 12:40 | Received date/time: 09/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2128134	1	09/07/23 16:24	09/07/23 16:24	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2128156	1	09/07/23 17:02	09/07/23 17:02	KMK	Mt. Juliet, TN

MW-7N L1653195-12 GW

Collected by: Chris Fincher | Collected date/time: 09/02/23 08:35 | Received date/time: 09/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2128134	1	09/07/23 16:25	09/07/23 16:25	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2128156	1	09/07/23 17:11	09/07/23 17:11	KMK	Mt. Juliet, TN

MW-15 L1653195-13 GW

Collected by: Chris Fincher | Collected date/time: 09/01/23 19:55 | Received date/time: 09/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2128134	1	09/07/23 16:27	09/07/23 16:27	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2128156	1	09/07/23 17:21	09/07/23 17:21	KMK	Mt. Juliet, TN

MW-16 L1653195-14 GW

Collected by: Chris Fincher | Collected date/time: 09/01/23 19:25 | Received date/time: 09/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2128134	1	09/07/23 16:28	09/07/23 16:28	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2128156	1	09/07/23 17:30	09/07/23 17:30	KMK	Mt. Juliet, TN

SAMPLE SUMMARY

MW-17 L1653195-15 GW

Collected by: Chris Fincher
Collected date/time: 09/01/23 18:35
Received date/time: 09/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2128134	1	09/07/23 16:30	09/07/23 16:30	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2128156	1	09/07/23 17:40	09/07/23 17:40	KMK	Mt. Juliet, TN

MW-19 L1653195-16 GW

Collected by: Chris Fincher
Collected date/time: 09/01/23 21:05
Received date/time: 09/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2128134	1	09/07/23 16:37	09/07/23 16:37	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2128156	1	09/07/23 17:49	09/07/23 17:49	KMK	Mt. Juliet, TN

FB L1653195-17 GW

Collected by: Chris Fincher
Collected date/time: 09/01/23 18:15
Received date/time: 09/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2128134	1	09/07/23 16:40	09/07/23 16:40	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2128156	1	09/07/23 18:18	09/07/23 18:18	KMK	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.

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2128156	(MS) R3970750-4, (MSD) R3970750-5	Chloride

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	09/07/2023 16:00	WG2128134

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	15.2		3.00	1	09/07/2023 15:08	WG2128156

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

Analyte	Result	Units
pH (On Site)	6.89	su
Specific Conductance (on site)	699	umhos/cm
Temperature (on-site)	20.1	Deg. C
Turbidity (on-site)	2.8	NTU
Dissolved Oxygen (on-site)	6.7	mg/l
eH/ORP (On Site)	98.6	mV
Depth to water (DTW) (FROM TOC)	72.45	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	09/07/2023 16:04	WG2128134

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	10.4		3.00	1	09/07/2023 15:17	WG2128156

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

Analyte	Result	Units
pH (On Site)	5.27	su
Specific Conductance (on site)	116	umhos/cm
Temperature (on-site)	19	Deg. C
Turbidity (on-site)	5.1	NTU
Dissolved Oxygen (on-site)	5.7	mg/l
eH/ORP (On Site)	147.4	mV
Depth to water (DTW) (FROM TOC)	56	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	09/07/2023 16:07	WG2128134

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	24.8		3.00	5	09/07/2023 15:27	WG2128156

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

Analyte	Result	Units
pH (On Site)	6.62	su
Specific Conductance (on site)	876	umhos/cm
Temperature (on-site)	19	Deg. C
Turbidity (on-site)	5.5	NTU
Dissolved Oxygen (on-site)	1.8	mg/l
eH/ORP (On Site)	34.2	mV
Depth to water (DTW) (FROM TOC)	60.71	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	09/07/2023 16:09	WG2128134

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	18.6		3.00	1	09/07/2023 15:36	WG2128156

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

Analyte	Result	Units
pH (On Site)	6.28	su
Specific Conductance (on site)	948	umhos/cm
Temperature (on-site)	21	Deg. C
Turbidity (on-site)	4.8	NTU
Dissolved Oxygen (on-site)	1.7	mg/l
eH/ORP (On Site)	-113.6	mV
Depth to water (DTW) (FROM TOC)	71.57	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	0.235		0.100	1	09/07/2023 16:10	WG2128134

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	30.6		3.00	1	09/07/2023 15:46	WG2128156

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)	839	umhos/cm
Temperature (on-site)	18.7	Deg. C
Turbidity (on-site)	3.2	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	29.7	mV
Depth to water (DTW) (FROM TOC)	50.95	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	09/07/2023 16:16	WG2128134

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	15.3		3.00	1	09/07/2023 15:55	WG2128156

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

Analyte	Result	Units
pH (On Site)	6.77	su
Specific Conductance (on site)	708	umhos/cm
Temperature (on-site)	20	Deg. C
Turbidity (on-site)	3	NTU
Dissolved Oxygen (on-site)	2.8	mg/l
eH/ORP (On Site)	80.1	mV
Depth to water (DTW) (FROM TOC)	43.43	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	09/07/2023 16:18	WG2128134

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	14.0		3.00	1	09/07/2023 16:05	WG2128156

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

Analyte	Result	Units
pH (On Site)	6.62	su
Specific Conductance (on site)	859	umhos/cm
Temperature (on-site)	17.2	Deg. C
Turbidity (on-site)	3	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	94.9	mV
Depth to water (DTW) (FROM TOC)	10.98	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	09/07/2023 16:19	WG2128134

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	18.1		3.00	1	09/07/2023 16:14	WG2128156

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

Analyte	Result	Units
pH (On Site)	6.35	su
Specific Conductance (on site)	950	umhos/cm
Temperature (on-site)	18.4	Deg. C
Turbidity (on-site)	3.4	NTU
Dissolved Oxygen (on-site)	0.6	mg/l
eH/ORP (On Site)	143.4	mV
Depth to water (DTW) (FROM TOC)	53.95	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	09/07/2023 16:21	WG2128134

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	32.5		3.00	1	09/07/2023 16:24	WG2128156

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

Analyte	Result	Units
pH (On Site)	6.38	su
Specific Conductance (on site)	1071	umhos/cm
Temperature (on-site)	18.5	Deg. C
Turbidity (on-site)	3.1	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	-9.1	mV
Depth to water (DTW) (FROM TOC)	59.49	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	0.107		0.100	1	09/07/2023 16:22	WG2128134

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	21.0		3.00	1	09/07/2023 16:33	WG2128156

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

Analyte	Result	Units
pH (On Site)	6.86	su
Specific Conductance (on site)	704	umhos/cm
Temperature (on-site)	21.3	Deg. C
Turbidity (on-site)	3.1	NTU
Dissolved Oxygen (on-site)	4.6	mg/l
eH/ORP (On Site)	75	mV
Depth to water (DTW) (FROM TOC)	56.46	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	09/07/2023 16:24	WG2128134

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	5.17		3.00	1	09/07/2023 17:02	WG2128156

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

Analyte	Result	Units
pH (On Site)	6.72	su
Specific Conductance (on site)	748	umhos/cm
Temperature (on-site)	16.8	Deg. C
Turbidity (on-site)	3.9	NTU
Dissolved Oxygen (on-site)	4.1	mg/l
eH/ORP (On Site)	146.2	mV
Depth to water (DTW) (FROM TOC)	87.48	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	09/07/2023 16:25	WG2128134

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	29.5		3.00	1	09/07/2023 17:11	WG2128156

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

Analyte	Result	Units
pH (On Site)	6.52	su
Specific Conductance (on site)	687	umhos/cm
Temperature (on-site)	17.5	Deg. C
Turbidity (on-site)	2.9	NTU
Dissolved Oxygen (on-site)	5.6	mg/l
eH/ORP (On Site)	108.1	mV
Depth to water (DTW) (FROM TOC)	58.67	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	09/07/2023 16:27	WG2128134

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	36.8		3.00	1	09/07/2023 17:21	WG2128156

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

Analyte	Result	Units
pH (On Site)	7.35	su
Specific Conductance (on site)	427	umhos/cm
Temperature (on-site)	19.3	Deg. C
Turbidity (on-site)	2.5	NTU
Dissolved Oxygen (on-site)	6.8	mg/l
eH/ORP (On Site)	82	mV
Depth to water (DTW) (FROM TOC)	73.7	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	09/07/2023 16:28	WG2128134

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	3.98		3.00	1	09/07/2023 17:30	WG2128156

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

Analyte	Result	Units
pH (On Site)	6.77	su
Specific Conductance (on site)	338	umhos/cm
Temperature (on-site)	18.9	Deg. C
Turbidity (on-site)	8.9	NTU
Dissolved Oxygen (on-site)	7.8	mg/l
eH/ORP (On Site)	88.5	mV
Depth to water (DTW) (FROM TOC)	60.34	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	09/07/2023 16:30	WG2128134

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	6.48		3.00	1	09/07/2023 17:40	WG2128156

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

Analyte	Result	Units
pH (On Site)	7.98	su
Specific Conductance (on site)	335	umhos/cm
Temperature (on-site)	19.4	Deg. C
Turbidity (on-site)	2.4	NTU
Dissolved Oxygen (on-site)	8.3	mg/l
eH/ORP (On Site)	64.8	mV
Depth to water (DTW) (FROM TOC)	68.2	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	09/07/2023 16:37	WG2128134

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	7.46		3.00	1	09/07/2023 17:49	WG2128156

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	09/07/2023 16:40	WG2128134

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	ND		3.00	1	09/07/2023 18:18	WG2128156

Method Blank (MB)

(MB) R3970422-1 09/07/23 15:57

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

L1653195-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1653195-02 09/07/23 16:04 • (DUP) R3970422-5 09/07/23 16:06

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

L1653195-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1653195-16 09/07/23 16:37 • (DUP) R3970422-7 09/07/23 16:39

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) R3970422-2 09/07/23 15:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.37	98.3	90.0-110	

L1653195-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1653195-01 09/07/23 16:00 • (MS) R3970422-3 09/07/23 16:01 • (MSD) R3970422-4 09/07/23 16:03

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 %
Ammonia Nitrogen	5.00	ND	5.13	5.15	103	103	1	90.0-110			0.272	10

L1653195-15 Original Sample (OS) • Matrix Spike (MS)

(OS) L1653195-15 09/07/23 16:30 • (MS) R3970422-6 09/07/23 16:36

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	5.06	101	1	90.0-110	

Method Blank (MB)

(MB) R3970750-1 09/07/23 08:45

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

L1653185-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1653185-02 09/07/23 14:01 • (DUP) R3970750-3 09/07/23 14:11

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	36.5	36.5	1	0.0351		15

L1653195-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1653195-16 09/07/23 17:49 • (DUP) R3970750-6 09/07/23 17:59

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	7.46	7.46	1	0.0134		15

Laboratory Control Sample (LCS)

(LCS) R3970750-2 09/07/23 12:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	37.9	94.8	80.0-120	

L1653185-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1653185-02 09/07/23 14:01 • (MS) R3970750-4 09/07/23 14:20 • (MSD) R3970750-5 09/07/23 14:30

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	40.0	36.5	67.3	67.4	77.1	77.3	1	80.0-120	J6	J6	0.102	15

L1653195-16 Original Sample (OS) • Matrix Spike (MS)

(OS) L1653195-16 09/07/23 17:49 • (MS) R3970750-7 09/07/23 18:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	7.46	44.1	91.5	1	80.0-120	

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
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

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:
ciara.childers.beavers@jettenviro.com;jeffholm

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. #

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)
~~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	77.77	9.2.23	0700	2	X	X								-01
LGW-2		GW	74.35	9.1.23	2030	2	X	X								-02
LGW-3R		GW	56.40	9.2.23	1445	2	X	X								-03
LGW-4		GW	60.85	9.2.23	1405	2	X	X								-04
LGW-5		GW	71.65	9.2.23	1325	2	X	X								-05
LGW-6		GW	50.95	9.2.23	1150	2	X	X								-06
LGW-7		GW	43.90	9.2.23	1030	2	X	X								-07

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 # L1653195

Tab E061

Acctnum: WMECOVISAR
Template: T161046
Prelogin: P1018814
PM: 616 - Stacy Kennedy
PB:

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 #

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
	9.5.23	1200			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.4+0=5.4 °C Bottles Received: 3 4	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Hawa Mwachiwa	Date: 09.06 Time: 09W	Hold: PH-10BDH4321 TRC-2352362 CR6-20221V PH-10BDH4321 TRC-2352362 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

Report to: **Jodi Reynolds**

Email To: **ciara.childers.beavers@jettenviro.com;jeffholm**

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. #

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 # L1053195

Table #

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P1018814**
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	Pres Chk								Remarks	Sample # (lab only)
LGW-8R	Grab	GW	11.15	9.2.23	1105	2	X	X										-08
LGW-9		GW	54.70	9.2.23	0915	2	X	X										-09
LGW-10		GW	61.55	9.2.23	0950	2	X	X										-10
LGW-14R		GW	58.35	9.2.23	1240	2	X	X										-11
MW-7N		GW	87.75	9.2.23	0835	2	X	X										-12
MW-15		GW	58.75	9.1.23	1955	2	X	X										-13
MW-16		GW	77.40	9.1.23	1925	2	X	X										-14
MW-17		GW	60.40	9.1.23	1835	2	X	X										-15
MW-19		GW	68.40	9.1.23	2105	2	X	X										-16
FB		GW	N/A	9.1.23	1815	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 #

Sample Receipt Checklist

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

	Date:	Time:		
Relinquished by : (Signature)	9.5.23	1200	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: / If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Hawa Mwechiwa	Date: Time: / Hold: / Condition: NCF / OK

ANALYTICAL REPORT

October 13, 2023

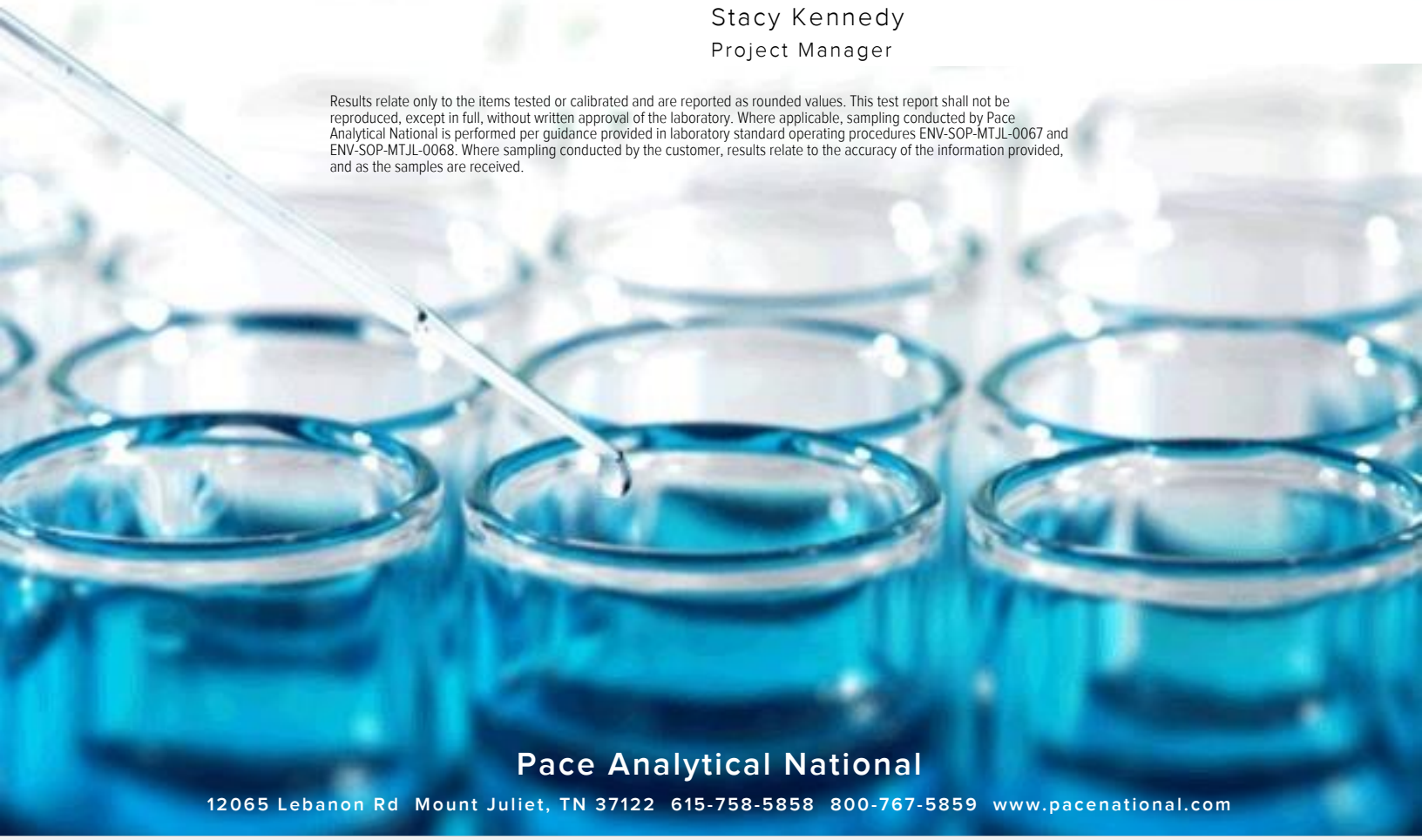
Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1662806
Samples Received:	10/04/2023
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

LDS-1 L1662806-01 GW

Collected by: Chris Fincher | Collected date/time: 10/02/23 17:15 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	50	10/05/23 16:37	10/05/23 16:37	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148203	5	10/10/23 17:26	10/10/23 17:26	GEB	Mt. Juliet, TN

LDS-2 L1662806-02 GW

Collected by: Chris Fincher | Collected date/time: 10/02/23 17:45 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	5	10/05/23 17:22	10/05/23 17:22	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148203	10	10/10/23 17:39	10/10/23 17:39	GEB	Mt. Juliet, TN

LDS-3 L1662806-03 GW

Collected by: Chris Fincher | Collected date/time: 10/02/23 18:15 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	500	10/05/23 17:24	10/05/23 17:24	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148203	100	10/10/23 17:52	10/10/23 17:52	GEB	Mt. Juliet, TN

LDS-4 L1662806-04 GW

Collected by: Chris Fincher | Collected date/time: 10/02/23 18:45 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	500	10/05/23 16:46	10/05/23 16:46	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 10:41	10/11/23 10:41	HMM	Mt. Juliet, TN

LDS-5 L1662806-05 GW

Collected by: Chris Fincher | Collected date/time: 10/02/23 19:15 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	500	10/05/23 16:48	10/05/23 16:48	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 10:50	10/11/23 10:50	HMM	Mt. Juliet, TN

LDS-6 L1662806-06 GW

Collected by: Chris Fincher | Collected date/time: 10/02/23 19:45 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	500	10/05/23 16:49	10/05/23 16:49	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 11:00	10/11/23 11:00	HMM	Mt. Juliet, TN

LDS-7 L1662806-07 GW

Collected by: Chris Fincher | Collected date/time: 10/03/23 09:15 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	100	10/05/23 17:25	10/05/23 17:25	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 11:09	10/11/23 11:09	HMM	Mt. Juliet, TN

LDS-8 L1662806-08 GW

Collected by: Chris Fincher | Collected date/time: 10/03/23 09:45 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	200	10/05/23 16:52	10/05/23 16:52	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 11:19	10/11/23 11:19	HMM	Mt. Juliet, TN

LDS-9 L1662806-09 GW

Collected by: Chris Fincher | Collected date/time: 10/03/23 10:15 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	10	10/05/23 16:54	10/05/23 16:54	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	1	10/11/23 11:28	10/11/23 11:28	HMM	Mt. Juliet, TN

LDS-10 L1662806-10 GW

Collected by: Chris Fincher | Collected date/time: 10/03/23 10:45 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	200	10/05/23 17:27	10/05/23 17:27	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 12:25	10/11/23 12:25	HMM	Mt. Juliet, TN

LDS-11 L1662806-11 GW

Collected by: Chris Fincher | Collected date/time: 10/03/23 11:15 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	500	10/05/23 17:28	10/05/23 17:28	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 12:35	10/11/23 12:35	HMM	Mt. Juliet, TN

LDS-12 L1662806-12 GW

Collected by: Chris Fincher | Collected date/time: 10/03/23 11:45 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	200	10/05/23 17:03	10/05/23 17:03	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 12:45	10/11/23 12:45	HMM	Mt. Juliet, TN

LCS-1 L1662806-13 GW

Collected by: Chris Fincher | Collected date/time: 10/02/23 17:00 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	500	10/05/23 17:04	10/05/23 17:04	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 12:54	10/11/23 12:54	HMM	Mt. Juliet, TN

LCS-2 L1662806-14 GW

Collected by: Chris Fincher | Collected date/time: 10/02/23 17:30 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	500	10/05/23 17:06	10/05/23 17:06	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 13:04	10/11/23 13:04	HMM	Mt. Juliet, TN

LCS-3 L1662806-15 GW

Collected by: Chris Fincher | Collected date/time: 10/02/23 18:00 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	500	10/05/23 17:07	10/05/23 17:07	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 13:13	10/11/23 13:13	HMM	Mt. Juliet, TN

LCS-4 L1662806-16 GW

Collected by: Chris Fincher | Collected date/time: 10/02/23 18:30 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	500	10/05/23 17:09	10/05/23 17:09	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 13:23	10/11/23 13:23	HMM	Mt. Juliet, TN

LCS-5 L1662806-17 GW

Collected by: Chris Fincher | Collected date/time: 10/02/23 19:00 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	500	10/05/23 17:10	10/05/23 17:10	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 13:32	10/11/23 13:32	HMM	Mt. Juliet, TN

LCS-7 L1662806-18 GW

Collected by: Chris Fincher | Collected date/time: 10/03/23 09:00 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2145503	500	10/05/23 17:12	10/05/23 17:12	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 14:01	10/11/23 14:01	HMM	Mt. Juliet, TN

LCS-8 L1662806-19 GW

Collected by: Chris Fincher | Collected date/time: 10/03/23 09:30 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2147303	500	10/08/23 11:32	10/08/23 11:32	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 14:10	10/11/23 14:10	HMM	Mt. Juliet, TN

LCS-9 L1662806-20 GW

Collected by: Chris Fincher | Collected date/time: 10/03/23 10:00 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2147303	500	10/08/23 11:33	10/08/23 11:33	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 14:20	10/11/23 14:20	HMM	Mt. Juliet, TN

LCS-10 L1662806-21 GW

Collected by: Chris Fincher | Collected date/time: 10/03/23 10:30 | Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2147303	500	10/08/23 11:35	10/08/23 11:35	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 14:29	10/11/23 14:29	HMM	Mt. Juliet, TN

LCS-11 L1662806-22 GW

Collected by: Chris Fincher
Collected date/time: 10/03/23 11:00
Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2147303	500	10/08/23 11:36	10/08/23 11:36	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 14:39	10/11/23 14:39	HMM	Mt. Juliet, TN

LCS-12 L1662806-23 GW

Collected by: Chris Fincher
Collected date/time: 10/03/23 11:30
Received date/time: 10/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2147303	500	10/08/23 11:38	10/08/23 11:38	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2148204	100	10/11/23 14:48	10/11/23 14:48	HMM	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
WG2145503	350.1	L1662806-03, 04, 06, 08, 11, 12, 13, 14, 15, 16, 17, 18
WG2147303	350.1	L1662806-19, 20, 21, 22, 23

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2148204	(MS) R3984960-7, L1662806-23	Chloride

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

Batch	Lab Sample ID	Analytes
WG2148204	(MS) R3984960-4, (MSD) R3984960-5, L1662806-09	Chloride

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)	6183	umhos/cm
Temperature (on-site)	34.1	Deg. C
Turbidity (on-site)	4.89	NTU
Dissolved Oxygen (on-site)	0.41	mg/l
eH/ORP (On Site)	-203.6	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	17.9		1.58	50	10/05/2023 16:37	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	481		3.00	5	10/10/2023 17:26	WG2148203

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

Analyte	Result	Units
pH (On Site)	6.78	su
Specific Conductance (on site)	4079	umhos/cm
Temperature (on-site)	52.3	Deg. C
Turbidity (on-site)	11.83	NTU
Dissolved Oxygen (on-site)	2.21	mg/l
eH/ORP (On Site)	-138.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	10.6		0.158	5	10/05/2023 17:22	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	351		3.00	10	10/10/2023 17:39	WG2148203

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

Analyte	Result	Units
pH (On Site)	7.32	su
Specific Conductance (on site)	19733	umhos/cm
Temperature (on-site)	31	Deg. C
Turbidity (on-site)	8.87	NTU
Dissolved Oxygen (on-site)	0.79	mg/l
eH/ORP (On Site)	-207	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	159		15.8	500	10/05/2023 17:24	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1750		5.19	100	10/10/2023 17:52	WG2148203

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

Analyte	Result	Units
pH (On Site)	7.54	su
Specific Conductance (on site)	18438	umhos/cm
Temperature (on-site)	31.6	Deg. C
Turbidity (on-site)	16.45	NTU
Dissolved Oxygen (on-site)	0.6	mg/l
eH/ORP (On Site)	-237.6	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	10/05/2023 16:46	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1110		5.19	100	10/11/2023 10:41	WG2148204

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

Analyte	Result	Units
pH (On Site)	7.41	su
Specific Conductance (on site)	11527	umhos/cm
Temperature (on-site)	28.1	Deg. C
Turbidity (on-site)	9.22	NTU
Dissolved Oxygen (on-site)	0.88	mg/l
eH/ORP (On Site)	-159.9	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	251		15.8	500	10/05/2023 16:48	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	480		5.19	100	10/11/2023 10:50	WG2148204

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

Analyte	Result	Units
pH (On Site)	7.59	su
Specific Conductance (on site)	13604	umhos/cm
Temperature (on-site)	25	Deg. C
Turbidity (on-site)	1.22	NTU
Dissolved Oxygen (on-site)	2.06	mg/l
eH/ORP (On Site)	-102.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	169		15.8	500	10/05/2023 16:49	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1350		5.19	100	10/11/2023 11:00	WG2148204

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)	6375	umhos/cm
Temperature (on-site)	26.2	Deg. C
Turbidity (on-site)	4.71	NTU
Dissolved Oxygen (on-site)	1.89	mg/l
eH/ORP (On Site)	-159.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	88.5		3.17	100	10/05/2023 17:25	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	228		5.19	100	10/11/2023 11:09	WG2148204

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)	14601	umhos/cm
Temperature (on-site)	30.8	Deg. C
Turbidity (on-site)	15.61	NTU
Dissolved Oxygen (on-site)	4.22	mg/l
eH/ORP (On Site)	-34.3	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	978		6.34	200	10/05/2023 16:52	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1180		5.19	100	10/11/2023 11:19	WG2148204

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)	2268	umhos/cm
Temperature (on-site)	26.6	Deg. C
Turbidity (on-site)	4.98	NTU
Dissolved Oxygen (on-site)	2.92	mg/l
eH/ORP (On Site)	-135.5	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	14.2		0.317	10	10/05/2023 16:54	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	47.5	J6	3.00	1	10/11/2023 11:28	WG2148204

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

Analyte	Result	Units
pH (On Site)	6.89	su
Specific Conductance (on site)	12067	umhos/cm
Temperature (on-site)	28.3	Deg. C
Turbidity (on-site)	14.6	NTU
Dissolved Oxygen (on-site)	0.83	mg/l
eH/ORP (On Site)	-194.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	599		6.34	200	10/05/2023 17:27	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	913		5.19	100	10/11/2023 12:25	WG2148204

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

Analyte	Result	Units
pH (On Site)	7.3	su
Specific Conductance (on site)	27197	umhos/cm
Temperature (on-site)	29.6	Deg. C
Turbidity (on-site)	123.19	NTU
Dissolved Oxygen (on-site)	1	mg/l
eH/ORP (On Site)	-259.7	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1630		15.8	500	10/05/2023 17:28	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2280		5.19	100	10/11/2023 12:35	WG2148204

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

Analyte	Result	Units
pH (On Site)	7.1	su
Specific Conductance (on site)	9590	umhos/cm
Temperature (on-site)	30.3	Deg. C
Turbidity (on-site)	59.13	NTU
Dissolved Oxygen (on-site)	1.82	mg/l
eH/ORP (On Site)	-175.2	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	800		6.34	200	10/05/2023 17:03	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1400		5.19	100	10/11/2023 12:45	WG2148204

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)	19557	umhos/cm
Temperature (on-site)	33.1	Deg. C
Turbidity (on-site)	76.52	NTU
Dissolved Oxygen (on-site)	0.26	mg/l
eH/ORP (On Site)	-425.7	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	2380		15.8	500	10/05/2023 17:04	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1360		5.19	100	10/11/2023 12:54	WG2148204

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

Analyte	Result	Units
pH (On Site)	7.29	su
Specific Conductance (on site)	16217	umhos/cm
Temperature (on-site)	31	Deg. C
Turbidity (on-site)	417.21	NTU
Dissolved Oxygen (on-site)	0.78	mg/l
eH/ORP (On Site)	-196.9	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1210		15.8	500	10/05/2023 17:06	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1360		5.19	100	10/11/2023 13:04	WG2148204

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)	15674	umhos/cm
Temperature (on-site)	31.6	Deg. C
Turbidity (on-site)	238.17	NTU
Dissolved Oxygen (on-site)	2.71	mg/l
eH/ORP (On Site)	-119.8	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1110		15.8	500	10/05/2023 17:07	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1380		5.19	100	10/11/2023 13:13	WG2148204

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)	18440	umhos/cm
Temperature (on-site)	27.9	Deg. C
Turbidity (on-site)	12.47	NTU
Dissolved Oxygen (on-site)	0.87	mg/l
eH/ORP (On Site)	-222	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	10/05/2023 17:09	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1400		5.19	100	10/11/2023 13:23	WG2148204

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

Analyte	Result	Units
pH (On Site)	7.63	su
Specific Conductance (on site)	29557	umhos/cm
Temperature (on-site)	32.6	Deg. C
Turbidity (on-site)	453.86	NTU
Dissolved Oxygen (on-site)	0.48	mg/l
eH/ORP (On Site)	-284	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	2680		15.8	500	10/05/2023 17:10	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2080		5.19	100	10/11/2023 13:32	WG2148204

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)	17471	umhos/cm
Temperature (on-site)	29	Deg. C
Turbidity (on-site)	43.81	NTU
Dissolved Oxygen (on-site)	2.37	mg/l
eH/ORP (On Site)	-51.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1630		15.8	500	10/05/2023 17:12	WG2145503

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2130		5.19	100	10/11/2023 14:01	WG2148204

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)	12976	umhos/cm
Temperature (on-site)	30.3	Deg. C
Turbidity (on-site)	21.05	NTU
Dissolved Oxygen (on-site)	5.06	mg/l
eH/ORP (On Site)	-17.2	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	10/08/2023 11:32	WG2147303

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1280		5.19	100	10/11/2023 14:10	WG2148204

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)	16596	umhos/cm
Temperature (on-site)	30.4	Deg. C
Turbidity (on-site)	53.2	NTU
Dissolved Oxygen (on-site)	3.15	mg/l
eH/ORP (On Site)	-22.5	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1380		15.8	500	10/08/2023 11:33	WG2147303

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1140		5.19	100	10/11/2023 14:20	WG2148204

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

Analyte	Result	Units
pH (On Site)	7.3	su
Specific Conductance (on site)	23723	umhos/cm
Temperature (on-site)	35.1	Deg. C
Turbidity (on-site)	44.48	NTU
Dissolved Oxygen (on-site)	0.65	mg/l
eH/ORP (On Site)	-270.9	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1770		15.8	500	10/08/2023 11:35	WG2147303

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1580		5.19	100	10/11/2023 14:29	WG2148204

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

Analyte	Result	Units
pH (On Site)	7.41	su
Specific Conductance (on site)	22915	umhos/cm
Temperature (on-site)	32.6	Deg. C
Turbidity (on-site)	54.87	NTU
Dissolved Oxygen (on-site)	3	mg/l
eH/ORP (On Site)	-120.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1800		15.8	500	10/08/2023 11:36	WG2147303

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1940		5.19	100	10/11/2023 14:39	WG2148204

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

Analyte	Result	Units
pH (On Site)	7.34	su
Specific Conductance (on site)	22105	umhos/cm
Temperature (on-site)	32.4	Deg. C
Turbidity (on-site)	162.38	NTU
Dissolved Oxygen (on-site)	2.67	mg/l
eH/ORP (On Site)	-187	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1560		15.8	500	10/08/2023 11:38	WG2147303

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1740	V	5.19	100	10/11/2023 14:48	WG2148204

Method Blank (MB)

(MB) R3982560-1 10/05/23 16:24

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

L1662654-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1662654-01 10/05/23 16:27 • (DUP) R3982560-3 10/05/23 16:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	8.68	8.62	1	0.740		10

L1662677-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1662677-01 10/05/23 16:33 • (DUP) R3982560-8 10/05/23 16:34

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	3.15	3.13	1	0.700		10

Laboratory Control Sample (LCS)

(LCS) R3982560-2 10/05/23 16:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.67	102	90.0-110	

L1662654-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1662654-01 10/05/23 16:27 • (MS) R3982560-6 10/05/23 16:30 • (MSD) R3982560-7 10/05/23 16:31

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 %
Ammonia Nitrogen	5.00	8.68	13.4	13.8	95.0	102	1	90.0-110	E	E	2.40	10

L1662677-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1662677-01 10/05/23 16:33 • (MS) R3982560-9 10/05/23 16:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	3.15	8.26	102	1	90.0-110	

Method Blank (MB)

(MB) R3983418-1 10/08/23 11:00

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

L1663538-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1663538-01 10/08/23 11:51 • (DUP) R3983418-7 10/08/23 11:53

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	0.135	0.131	1	3.01		10

L1662663-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1662663-03 10/08/23 12:07 • (DUP) R3983418-8 10/08/23 12:08

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) R3983418-2 10/08/23 11:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.42	98.9	90.0-110	

L1661991-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1661991-02 10/08/23 11:08 • (MS) R3983418-3 10/08/23 11:09 • (MSD) R3983418-4 10/08/23 11:11

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	5.16	5.48	103	110	1	90.0-110			6.04	10

L1663507-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1663507-01 10/08/23 11:48 • (MS) R3983418-6 10/08/23 11:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	1.30	6.62	106	1	90.0-110	

Method Blank (MB)

(MB) R3984710-1 10/10/23 09:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.269		0.0519	1.00

L1662728-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1662728-03 10/10/23 15:19 • (DUP) R3984710-3 10/10/23 15:32

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	ND	ND	1	0.427		15

L1662974-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1662974-01 10/10/23 18:17 • (DUP) R3984710-6 10/10/23 18:30

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	10.7	10.5	1	1.65		15

Sample Narrative:

OS: Dilution due to matrix.

Laboratory Control Sample (LCS)

(LCS) R3984710-2 10/10/23 09:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.8	99.5	80.0-120	

L1662728-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1662728-03 10/10/23 15:19 • (MS) R3984710-4 10/10/23 15:44 • (MSD) R3984710-5 10/10/23 15:57

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	40.0	ND	41.2	41.1	98.4	98.0	1	80.0-120			0.300	15

L1662974-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1662974-01 10/10/23 18:17 • (MS) R3984710-7 10/10/23 18:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	10.7	50.6	99.9	1	80.0-120	

Sample Narrative:

OS: Dilution due to matrix.

Method Blank (MB)

(MB) R3984960-1 10/11/23 08:51

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

L1662806-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1662806-09 10/11/23 11:28 • (DUP) R3984960-3 10/11/23 11:38

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	47.5	47.3	1	0.404		15

L1662806-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1662806-23 10/11/23 14:48 • (DUP) R3984960-6 10/11/23 14:58

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1740	1850	100	6.13		15

Laboratory Control Sample (LCS)

(LCS) R3984960-2 10/11/23 09:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.1	95.3	80.0-120	

L1662806-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1662806-09 10/11/23 11:28 • (MS) R3984960-4 10/11/23 12:06 • (MSD) R3984960-5 10/11/23 12:16

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	40.0	47.5	75.1	73.9	69.0	66.0	1	80.0-120	J6	J6	1.61	15

L1662806-23 Original Sample (OS) • Matrix Spike (MS)

(OS) L1662806-23 10/11/23 14:48 • (MS) R3984960-7 10/11/23 15:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	1740	13400	29200	100	80.0-120	V

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).
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

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: **ciara.childers.beavers@jettenviro.com;jeffholm**

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): Christy Fincher

Site/Facility ID # **AR03**

P.O. #

Collected by (signature):

Quote #

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

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TOC 250mlAmb-HCl	TOC 250mlHDPE-HCl	V8260LL 40mlAmb-HCl	V8260LLAP9 40mlAmb-HCl	V8260LLAP9 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
LDS-1	Grab	GW	N/A	10.2.23	1715	2							-01
LDS-2		GW			1745	2							-02
LDS-3		GW			1815	2							-03
LDS-4		GW			1845	2							-04
LDS-5		GW			1915	2							-05
LDS-6		GW			1945	2							-06
LDS-7		GW		10.3.23	0915	2							-07
LDS-8		GW			0945	2							-08
LDS-9		GW			1015	2							-09
LDS-10		GW			1045	2							-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 # 7074 8788 5052

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 # 1662806
B043
T:
Acctnum: **WMECOVISAR**
Template: **T238606**
Prelogin: **P1026525**
PM: **616 - Stacy Kennedy**
PB: 9/26/23 RS
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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	10.3.23	1300		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: COA 3.4 +03 3.4
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/4/23 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: ciara.childers.beavers@jettenviro.com;jeffholm

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 Finley

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	TOC 250mlAmb-HCl	TOC 250mlHDPE-HCl	V8260LL 40mlAmb-HCl	V8260LLAP9 40mlAmb-HCl	V8260LLAP9 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
LDS-11	Grab	GW	N/A	10.3.23	1115	2							-11
LDS-12		GW		10.3.23	1145	2							-12
LCS-1		GW		10.2.23	1700	2							-13
LCS-2		GW			1730	2							-14
LCS-3		GW			1800	2							-15
LCS-4		GW			1830	2							-16
LCS-5		GW			1900	2							-17
~~LCS-6~~		GW				2							
LCS-7		GW		10.3.23	0900	2							-18
LCS-8		GW		10.3.23	0930	2							-19

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 # 166206

Table #

Acctnum: **WMECOVISAR**
Template: **T238606**
Prelogin: **P1026525**
PM: **616 - Stacy Kennedy**
PB 9/26/23 IV

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 # 7074 8788 5052

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	
	10.3.23	1300			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: CAB 3.4+0=3.4	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10-4-23 Time: 9:00	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

Report to: **Jodi Reynolds**

Email To: **ciara.childers.beavers@jettenviro.com;jeffholm**

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

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 # 166280

Table #

Acctnum: **WMECOVISAR**
Template: **T238606**
Prelogin: **P1026525**
PM: **616 - Stacy Kennedy**
PB: 9/26/23 DJS
Shipped Via: **FedEX Ground**

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TOC 250mlAmb-HCl	TOC 250mlHDPE-HCl	V8260LL 40mlAmb-HCl	V8260LLAP9 40mlAmb-HCl	V8260LLAP9 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
LCS-9	Grab	GW	N/A	10.3.23	1000	2							-20
LCS-10	↓	GW	↓	↓	1030	2							-21
LCS-11		GW			1100	2							-22
LCS-12	↓	GW	↓	↓	1130	2							-23
DUP		GW				8		X	X				
DUP2		GW				8		X	X				
LGW-2		GW				3	X						
LGW-3R		GW				2							
LGW-4		GW				3	X						
LGW-5		GW				16	X			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 # 7074 8788 5052

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
	10.3.23	1300		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
				CC#8 3.4+6x5.1
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				10-4-23 9:20

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

ANALYTICAL REPORT

August 13, 2023

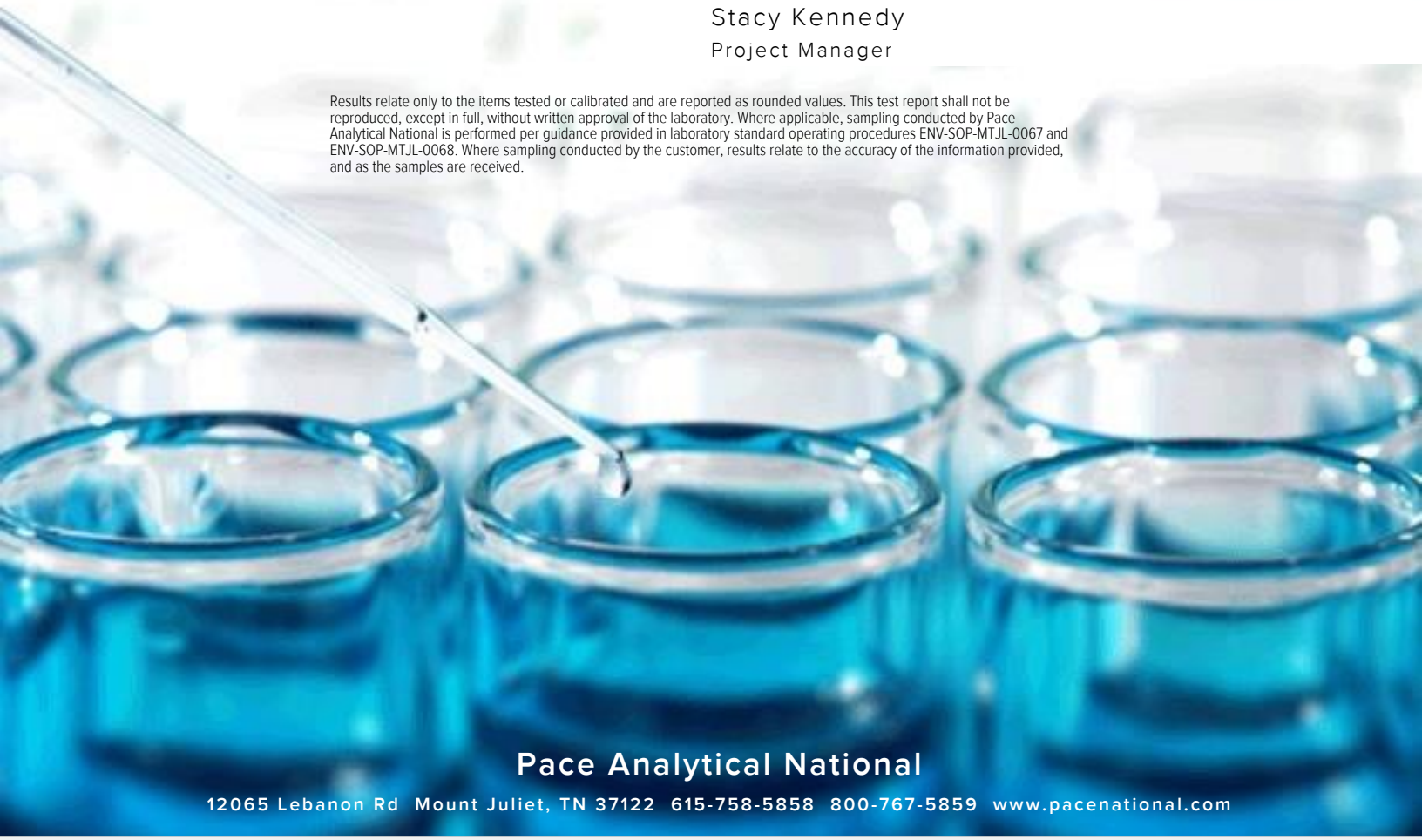
Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1642810
Samples Received:	08/04/2023
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.



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

TABLE OF CONTENTS

LCS-1 L1642810-01 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 07:00 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108633	500	08/06/23 13:37	08/06/23 13:37	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	10	08/05/23 12:21	08/05/23 12:21	GEB	Mt. Juliet, TN

LCS-2 L1642810-02 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 07:30 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108633	500	08/06/23 13:39	08/06/23 13:39	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	10	08/05/23 13:29	08/05/23 13:29	GEB	Mt. Juliet, TN

LCS-3 L1642810-03 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 08:30 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108633	500	08/06/23 13:40	08/06/23 13:40	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	10	08/05/23 13:45	08/05/23 13:45	GEB	Mt. Juliet, TN

LCS-4 L1642810-04 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 09:00 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108633	500	08/06/23 13:42	08/06/23 13:42	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	100	08/05/23 14:02	08/05/23 14:02	GEB	Mt. Juliet, TN

LCS-5 L1642810-05 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 09:30 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108633	500	08/06/23 13:43	08/06/23 13:43	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	100	08/05/23 14:53	08/05/23 14:53	GEB	Mt. Juliet, TN

LCS-6 L1642810-06 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 10:00 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	500	08/06/23 14:04	08/06/23 14:04	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	100	08/05/23 15:09	08/05/23 15:09	GEB	Mt. Juliet, TN

LCS-7 L1642810-07 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 10:30 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	500	08/06/23 14:06	08/06/23 14:06	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	100	08/05/23 15:26	08/05/23 15:26	GEB	Mt. Juliet, TN

LCS-8 L1642810-08 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 11:00 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	200	08/06/23 14:07	08/06/23 14:07	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	10	08/05/23 15:43	08/05/23 15:43	GEB	Mt. Juliet, TN

LCS-9 L1642810-09 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 11:30 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	200	08/06/23 14:09	08/06/23 14:09	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	100	08/05/23 16:00	08/05/23 16:00	GEB	Mt. Juliet, TN

LCS-10 L1642810-10 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 12:00 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	200	08/06/23 14:10	08/06/23 14:10	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	100	08/05/23 16:17	08/05/23 16:17	GEB	Mt. Juliet, TN

LCS-11 L1642810-11 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 12:30 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	500	08/06/23 14:12	08/06/23 14:12	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	100	08/05/23 16:34	08/05/23 16:34	GEB	Mt. Juliet, TN

LCS-12 L1642810-12 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 13:00 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	200	08/06/23 14:13	08/06/23 14:13	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	100	08/05/23 16:51	08/05/23 16:51	GEB	Mt. Juliet, TN

LDS-1 L1642810-13 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 07:15 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	5	08/06/23 14:19	08/06/23 14:19	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	5	08/05/23 17:07	08/05/23 17:07	GEB	Mt. Juliet, TN

LDS-2 L1642810-14 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 07:45 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	5	08/06/23 14:24	08/06/23 14:24	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	5	08/05/23 17:24	08/05/23 17:24	GEB	Mt. Juliet, TN

LDS-3 L1642810-15 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 08:45 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	100	08/06/23 14:27	08/06/23 14:27	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	100	08/05/23 18:15	08/05/23 18:15	GEB	Mt. Juliet, TN

LDS-4 L1642810-16 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 09:15 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	200	08/06/23 14:28	08/06/23 14:28	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	100	08/05/23 18:32	08/05/23 18:32	GEB	Mt. Juliet, TN

LDS-5 L1642810-17 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 09:45 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	500	08/06/23 14:30	08/06/23 14:30	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	10	08/05/23 18:49	08/05/23 18:49	GEB	Mt. Juliet, TN

LDS-6 L1642810-18 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 10:15 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	50	08/06/23 14:31	08/06/23 14:31	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	10	08/05/23 19:06	08/05/23 19:06	GEB	Mt. Juliet, TN

LDS-7 L1642810-19 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 10:45 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	200	08/06/23 14:33	08/06/23 14:33	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	10	08/05/23 19:23	08/05/23 19:23	GEB	Mt. Juliet, TN

LDS-8 L1642810-20 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 11:15 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	100	08/06/23 14:39	08/06/23 14:39	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108384	1	08/05/23 19:40	08/05/23 19:40	GEB	Mt. Juliet, TN

LDS-9 L1642810-21 GW

Collected by: Chris Fincher | Collected date/time: 08/03/23 11:45 | Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	20	08/06/23 14:42	08/06/23 14:42	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108443	1	08/05/23 16:24	08/05/23 16:24	GEB	Mt. Juliet, TN

LDS-10 L1642810-22 GW

Collected by: Chris Fincher
Collected date/time: 08/03/23 12:15
Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	200	08/06/23 14:45	08/06/23 14:45	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108443	100	08/05/23 16:34	08/05/23 16:34	GEB	Mt. Juliet, TN

LDS-11 L1642810-23 GW

Collected by: Chris Fincher
Collected date/time: 08/03/23 12:45
Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	500	08/06/23 14:46	08/06/23 14:46	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108443	100	08/05/23 16:44	08/05/23 16:44	GEB	Mt. Juliet, TN

LDS-12 L1642810-24 GW

Collected by: Chris Fincher
Collected date/time: 08/03/23 13:15
Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	100	08/06/23 14:48	08/06/23 14:48	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108443	100	08/05/23 16:54	08/05/23 16:54	GEB	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
WG2108633	350.1	L1642810-01, 02, 03, 04, 05
WG2108634	350.1	L1642810-06, 07, 08, 09, 10, 11, 12, 15, 16, 17, 23, 24

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2108384	(MS) R3959076-4, (MSD) R3959076-5, L1642810-01	Chloride

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

Analyte	Result	Units
pH (On Site)	7.18	su
Specific Conductance (on site)	18494	umhos/cm
Temperature (on-site)	30.2	Deg. C
Turbidity (on-site)	1840.31	NTU
Dissolved Oxygen (on-site)	0.91	mg/l
eH/ORP (On Site)	194.5	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1770		15.8	500	08/06/2023 13:37	WG2108633

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1520	V	3.00	10	08/05/2023 12:21	WG2108384

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

Analyte	Result	Units
pH (On Site)	6.65	su
Specific Conductance (on site)	17491	umhos/cm
Temperature (on-site)	32.5	Deg. C
Turbidity (on-site)	571.75	NTU
Dissolved Oxygen (on-site)	1.17	mg/l
eH/ORP (On Site)	194	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1280		15.8	500	08/06/2023 13:39	WG2108633

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1770		3.00	10	08/05/2023 13:29	WG2108384

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

Analyte	Result	Units
pH (On Site)	7.35	su
Specific Conductance (on site)	14740	umhos/cm
Temperature (on-site)	31.5	Deg. C
Turbidity (on-site)	112.3	NTU
Dissolved Oxygen (on-site)	2.81	mg/l
eH/ORP (On Site)	179.2	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	08/06/2023 13:40	WG2108633

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1340		3.00	10	08/05/2023 13:45	WG2108384

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

Analyte	Result	Units
pH (On Site)	7.82	su
Specific Conductance (on site)	18337	umhos/cm
Temperature (on-site)	30.5	Deg. C
Turbidity (on-site)	29.36	NTU
Dissolved Oxygen (on-site)	0.61	mg/l
eH/ORP (On Site)	180.3	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1280		15.8	500	08/06/2023 13:42	WG2108633

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1560		5.19	100	08/05/2023 14:02	WG2108384

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

Analyte	Result	Units
pH (On Site)	7.48	su
Specific Conductance (on site)	30541	umhos/cm
Temperature (on-site)	36.5	Deg. C
Turbidity (on-site)	135.11	NTU
Dissolved Oxygen (on-site)	0.52	mg/l
eH/ORP (On Site)	136.8	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	2560		15.8	500	08/06/2023 13:43	WG2108633

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2260		5.19	100	08/05/2023 14:53	WG2108384

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)	23358	umhos/cm
Temperature (on-site)	31.8	Deg. C
Turbidity (on-site)	535.24	NTU
Dissolved Oxygen (on-site)	2.7	mg/l
eH/ORP (On Site)	174.9	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1490		15.8	500	08/06/2023 14:04	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1850		5.19	100	08/05/2023 15:09	WG2108384

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

Analyte	Result	Units
pH (On Site)	7.52	su
Specific Conductance (on site)	25224	umhos/cm
Temperature (on-site)	31.4	Deg. C
Turbidity (on-site)	35.18	NTU
Dissolved Oxygen (on-site)	1.19	mg/l
eH/ORP (On Site)	168.2	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1740		15.8	500	08/06/2023 14:06	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2270		5.19	100	08/05/2023 15:26	WG2108384

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

Analyte	Result	Units
pH (On Site)	7.8	su
Specific Conductance (on site)	13899	umhos/cm
Temperature (on-site)	34.5	Deg. C
Turbidity (on-site)	2156.51	NTU
Dissolved Oxygen (on-site)	2.09	mg/l
eH/ORP (On Site)	183.2	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	890		6.34	200	08/06/2023 14:07	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1170		3.00	10	08/05/2023 15:43	WG2108384

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)	20482	umhos/cm
Temperature (on-site)	32.8	Deg. C
Turbidity (on-site)	47.77	NTU
Dissolved Oxygen (on-site)	1.51	mg/l
eH/ORP (On Site)	163.9	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1400		6.34	200	08/06/2023 14:09	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1680		5.19	100	08/05/2023 16:00	WG2108384

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

Analyte	Result	Units
pH (On Site)	8.89	su
Specific Conductance (on site)	24227	umhos/cm
Temperature (on-site)	36.4	Deg. C
Turbidity (on-site)	79.91	NTU
Dissolved Oxygen (on-site)	0.35	mg/l
eH/ORP (On Site)	154.45	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1730		6.34	200	08/06/2023 14:10	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1910		5.19	100	08/05/2023 16:17	WG2108384

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

Analyte	Result	Units
pH (On Site)	9.52	su
Specific Conductance (on site)	25601	umhos/cm
Temperature (on-site)	34.3	Deg. C
Turbidity (on-site)	1392.11	NTU
Dissolved Oxygen (on-site)	4.36	mg/l
eH/ORP (On Site)	160.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1990		15.8	500	08/06/2023 14:12	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1990		5.19	100	08/05/2023 16:34	WG2108384

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

Analyte	Result	Units
pH (On Site)	9.72	su
Specific Conductance (on site)	22798	umhos/cm
Temperature (on-site)	34.8	Deg. C
Turbidity (on-site)	1900.45	NTU
Dissolved Oxygen (on-site)	3.05	mg/l
eH/ORP (On Site)	150.8	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1480		6.34	200	08/06/2023 14:13	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1770		5.19	100	08/05/2023 16:51	WG2108384

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)	4967	umhos/cm
Temperature (on-site)	31.5	Deg. C
Turbidity (on-site)	11.26	NTU
Dissolved Oxygen (on-site)	1.41	mg/l
eH/ORP (On Site)	126.8	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	17.5		0.158	5	08/06/2023 14:19	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	357		3.00	5	08/05/2023 17:07	WG2108384

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

Analyte	Result	Units
pH (On Site)	6.82	su
Specific Conductance (on site)	4133	umhos/cm
Temperature (on-site)	32.2	Deg. C
Turbidity (on-site)	49.21	NTU
Dissolved Oxygen (on-site)	3.46	mg/l
eH/ORP (On Site)	116.7	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	7.12		0.158	5	08/06/2023 14:24	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	375		3.00	5	08/05/2023 17:24	WG2108384

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

Analyte	Result	Units
pH (On Site)	6.97	su
Specific Conductance (on site)	19189	umhos/cm
Temperature (on-site)	33.4	Deg. C
Turbidity (on-site)	21.18	NTU
Dissolved Oxygen (on-site)	0.7	mg/l
eH/ORP (On Site)	159.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	181		3.17	100	08/06/2023 14:27	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1720		5.19	100	08/05/2023 18:15	WG2108384

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)	7.42	su
Specific Conductance (on site)	18479	umhos/cm
Temperature (on-site)	30.7	Deg. C
Turbidity (on-site)	702.61	NTU
Dissolved Oxygen (on-site)	1.31	mg/l
eH/ORP (On Site)	159.2	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1070		6.34	200	08/06/2023 14:28	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1200		5.19	100	08/05/2023 18:32	WG2108384

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

Analyte	Result	Units
pH (On Site)	9.58	su
Specific Conductance (on site)	12371	umhos/cm
Temperature (on-site)	29.6	Deg. C
Turbidity (on-site)	79.81	NTU
Dissolved Oxygen (on-site)	2.54	mg/l
eH/ORP (On Site)	114.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	276		15.8	500	08/06/2023 14:30	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	557		3.00	10	08/05/2023 18:49	WG2108384

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

Analyte	Result	Units
pH (On Site)	7.9	su
Specific Conductance (on site)	14487	umhos/cm
Temperature (on-site)	31.9	Deg. C
Turbidity (on-site)	5	NTU
Dissolved Oxygen (on-site)	1.92	mg/l
eH/ORP (On Site)	177.9	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	200		1.58	50	08/06/2023 14:31	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1540		3.00	10	08/05/2023 19:06	WG2108384

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

Analyte	Result	Units
pH (On Site)	8.94	su
Specific Conductance (on site)	6336	umhos/cm
Temperature (on-site)	28.3	Deg. C
Turbidity (on-site)	5.76	NTU
Dissolved Oxygen (on-site)	1.8	mg/l
eH/ORP (On Site)	154	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	169		6.34	200	08/06/2023 14:33	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	290		3.00	10	08/05/2023 19:23	WG2108384

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

Analyte	Result	Units
pH (On Site)	8.09	su
Specific Conductance (on site)	3679	umhos/cm
Temperature (on-site)	33.2	Deg. C
Turbidity (on-site)	6.51	NTU
Dissolved Oxygen (on-site)	3.37	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	30.1		3.17	100	08/06/2023 14:39	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	139		3.00	1	08/05/2023 19:40	WG2108384

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

Analyte	Result	Units
pH (On Site)	8.52	su
Specific Conductance (on site)	2700	umhos/cm
Temperature (on-site)	32.1	Deg. C
Turbidity (on-site)	22.06	NTU
Dissolved Oxygen (on-site)	1.8	mg/l
eH/ORP (On Site)	112.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	20.6		0.634	20	08/06/2023 14:42	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	67.1		3.00	1	08/05/2023 16:24	WG2108443

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

Analyte	Result	Units
pH (On Site)	8.41	su
Specific Conductance (on site)	24251	umhos/cm
Temperature (on-site)	35.6	Deg. C
Turbidity (on-site)	16.2	NTU
Dissolved Oxygen (on-site)	3.2	mg/l
eH/ORP (On Site)	139.5	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1090		6.34	200	08/06/2023 14:45	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1690		5.19	100	08/05/2023 16:34	WG2108443

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

Analyte	Result	Units
pH (On Site)	8.61	su
Specific Conductance (on site)	27728	umhos/cm
Temperature (on-site)	30.2	Deg. C
Turbidity (on-site)	120.16	NTU
Dissolved Oxygen (on-site)	0.61	mg/l
eH/ORP (On Site)	132.5	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1450		15.8	500	08/06/2023 14:46	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2250		5.19	100	08/05/2023 16:44	WG2108443

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

Analyte	Result	Units
pH (On Site)	7.97	su
Specific Conductance (on site)	16619	umhos/cm
Temperature (on-site)	36.5	Deg. C
Turbidity (on-site)	89.03	NTU
Dissolved Oxygen (on-site)	0.89	mg/l
eH/ORP (On Site)	137.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	611		3.17	100	08/06/2023 14:48	WG2108634

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1580		5.19	100	08/05/2023 16:54	WG2108443

Method Blank (MB)

(MB) R3957367-1 08/06/23 12:55

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

L1642486-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1642486-04 08/06/23 13:03 • (DUP) R3957367-5 08/06/23 13:04

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	0.909	0.919	1	1.09		10

L1642746-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1642746-01 08/06/23 13:34 • (DUP) R3957367-7 08/06/23 13:36

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	0.138	0.135	1	2.20		10

Laboratory Control Sample (LCS)

(LCS) R3957367-2 08/06/23 12:57

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	

L1642486-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1642486-03 08/06/23 12:58 • (MS) R3957367-3 08/06/23 13:00 • (MSD) R3957367-4 08/06/23 13:01

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	2.63	7.67	7.84	101	104	1	90.0-110			2.17	10

L1642716-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1642716-06 08/06/23 13:27 • (MS) R3957367-6 08/06/23 13:28

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	5.10	102	1	90.0-110	

QUALITY CONTROL SUMMARY

L1642810-06,07,08,09,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24

Method Blank (MB)

(MB) R3957368-1 08/06/23 14:00

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

L1642810-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1642810-14 08/06/23 14:24 • (DUP) R3957368-5 08/06/23 14:25

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	7.12	7.04	5	1.16		10

L1642810-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1642810-21 08/06/23 14:42 • (DUP) R3957368-7 08/06/23 14:43

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	20.6	19.9	20	3.68		10

Laboratory Control Sample (LCS)

(LCS) R3957368-2 08/06/23 14:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.42	98.9	90.0-110	

L1642810-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1642810-13 08/06/23 14:19 • (MS) R3957368-3 08/06/23 14:21 • (MSD) R3957368-4 08/06/23 14:22

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 %
Ammonia Nitrogen	25.0	17.5	42.9	42.1	102	98.6	5	90.0-110			1.79	10

L1642810-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1642810-20 08/06/23 14:39 • (MS) R3957368-6 08/06/23 14:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	500	30.1	544	103	100	90.0-110	

Method Blank (MB)

(MB) R3959076-1 08/05/23 10:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.542	J	0.0519	1.00

L1642810-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1642810-01 08/05/23 12:21 • (DUP) R3959076-3 08/05/23 12:37

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1520	1530	10	0.200		15

L1642810-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1642810-20 08/05/23 19:40 • (DUP) R3959076-6 08/05/23 19:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	139	139	1	0.0985		15

Laboratory Control Sample (LCS)

(LCS) R3959076-2 08/05/23 10:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.9	97.2	80.0-120	

L1642810-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1642810-01 08/05/23 12:21 • (MS) R3959076-4 08/05/23 12:54 • (MSD) R3959076-5 08/05/23 13:12

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 %
Chloride	50.0	1520	1480	1500	0.000	0.000	10	80.0-120	V	V	1.59	15

L1642810-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1642810-20 08/05/23 19:40 • (MS) R3959076-7 08/05/23 20:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	139	184	89.1	1	80.0-120	

Method Blank (MB)

(MB) R3959175-1 08/05/23 09:49

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

L1642867-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1642867-01 08/05/23 14:05 • (DUP) R3959175-3 08/05/23 14:14

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	41.5	40.9	1	1.29		15

L1642877-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1642877-01 08/05/23 18:34 • (DUP) R3959175-6 08/05/23 18:44

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	97.0	98.1	1	1.11		15

Laboratory Control Sample (LCS)

(LCS) R3959175-2 08/05/23 09:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.0	97.6	80.0-120	

L1642867-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1642867-01 08/05/23 14:05 • (MS) R3959175-4 08/05/23 14:24 • (MSD) R3959175-5 08/05/23 14:34

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	41.5	90.2	88.5	97.4	94.0	1	80.0-120			1.92	15

L1642877-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1642877-01 08/05/23 18:34 • (MS) R3959175-7 08/05/23 18:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	97.0	142	90.5	1	80.0-120	

L1642877-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1642877-01 08/05/23 18:34 • (MS) R3959175-7 08/05/23 18:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier

Sample Narrative:

MS: Matrix spike failure due to matrix interference.

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.
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:
ciara.childers.beavers@jettenviro.com;jeffholm

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. #

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 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 # L1447810

Table # B105

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P1011993**
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)
LCS-1	Grab	GW	N/A	8.3.23	0700	2	X	X		-01
LCS-2		GW			0730	2	X	X		-02
LCS-3		GW			0830	2	X	X		-03
LCS-4		GW			0900	2	X	X		-04
LCS-5		GW			0930	2	X	X		-05
LCS-6		GW			1060	2	X	X		-06
LCS-7		GW			1030	2	X	X		-07
LCS-8		GW			1100	2	X	X		-08
LCS-9		GW			1130	2	X	X		-09
LCS-10		GW			1200	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 # 6841 8344 2348

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
	8.3.23	1500		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: GBAB °C 1.9 to 1.9 Bottles Received: 48
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8.4.23 Time: 9:30

If preservation required by Login: Date/Time

PH-10BDH4321 TRC-2144141
CR6-20221V

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:
ciara.childers.beavers@jettenviro.com;jeffholm

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. #

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

Date Results Needed

Quote #

Analysis / Container / Preservative

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	8.3.23	1230	2	X	X										-11
LCS-12		GW			1300	2	X	X										-12
LDS-1		GW			0715	2	X	X										-13
LDS-2		GW			0745	2	X	X										-14
LDS-3		GW			0845	2	X	X										-15
LDS-4		GW			0915	2	X	X										-16
LDS-5		GW			0945	2	X	X										-17
LDS-6		GW			1015	2	X	X										-18
LDS-7		GW			1045	2	X	X										-19
LDS-8		GW			1115	2	X	X										-20

Chain of Custody Page 2 of 2

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SDG # LL612810

Table #

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P1011993**
PM: **616 - Stacy Kennedy**
PB:

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 _____

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

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	8.3.23	1500			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8.4.23 Time: 9:30	Hold: Condition: NCF / OK
			9 10		

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:
ciara.childers.beavers@jettenviro.com;jeffholm

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. #

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	NH3 250mlHDPE-H2SO4										
LDS-9	Grab	GW	N/A	8.3.23	1145	2	X	X										-21
LDS-10		GW			1715	2	X	X										-22
LDS-11		GW			1245	2	X	X										-23
LDS-12		GW			1315	2	X	X										-24
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

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SDG # L1142810

Table #

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P1011993**
PM: **616 - Stacy Kennedy**
PB:

Shipped Via: **FedEX Ground**

Remarks | Sample # (lab only)

* 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 #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	8.3.23	1500			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8.4.23 Time: 9:30	Hold: Condition: NCF / OK

8/5-NCF-L1642810 WMECOVISAR

R5

Time estimate: oh **Time spent:** oh

Members

Hailey Melson (responsible) SK Stacy Kennedy

Due on *9 August 2023 8:00 AM* for target *Done*

- [ ] Parameter(s) past holding time
- [ ] Temperature not in range
- [ ] Improper container type
- [x] pH not in range
- [ ] Insufficient sample volume
- [ ] Sample is biphasic
- [ ] Vials received with headspace
- [ ] Broken container
- [ ] Sufficient sample remains
- [ ] If broken container: Insufficient packing material around container
- [ ] If broken container: Insufficient packing material inside cooler
- [ ] If broken container: Improper handling by carrier:_____
- [ ] If broken container: Sample was frozen
- [ ] If broken container: Container lid not intact
- [ ] Client informed by Call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Hailey Melson *5 August 2023 8:30 AM*

pH not in range for all NH_3 containers. Attempted to preserve but samples did not preserve.

Stacy Kennedy *5 August 2023 6:18 PM*

Noted. Proceed with analysis.

Troy Dunlap *7 August 2023 1:58 PM*

Done.