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 (3 of 4)
Attachments: L1664045.pdf; L1674004.pdf; L1674883.pdf; L1663702.pdf

Good afternoon,
(3 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
12065 Lebanon Road | Mt. Juliet, TN 37122
(office)615.773.7453
Stacy.Kennedy@pacelabs.com | www.pacenational.com

MAKE YOUR PAYMENTS ONLINE

 Please consider the environment before printing this email

ANALYTICAL REPORT

October 27, 2023

Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1664045
Samples Received:	10/07/2023
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.

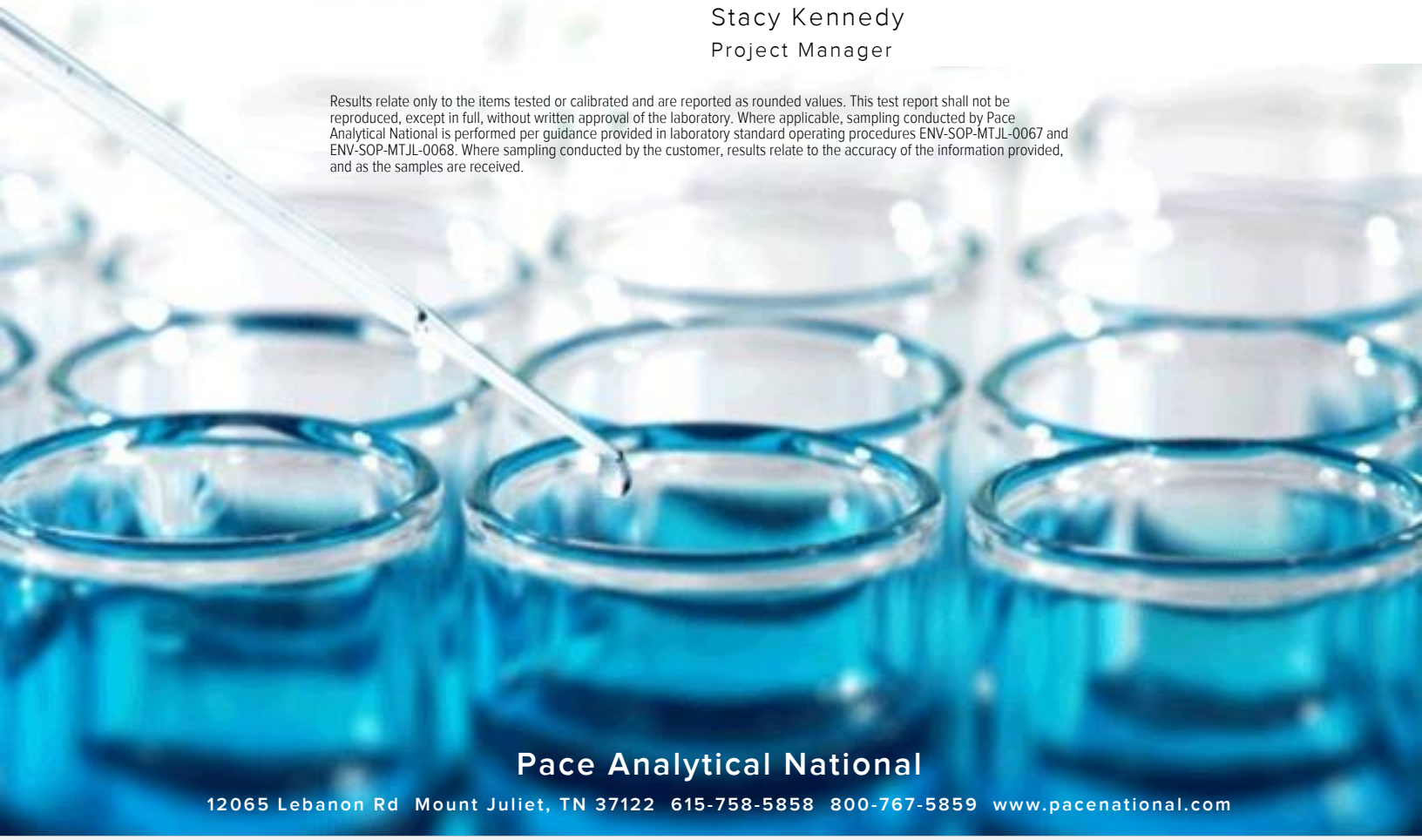

TABLE OF CONTENTS

LGW-6 L1664045-01 GW

Collected by: Chris Fincher | Collected date/time: 10/05/23 13:55 | Received date/time: 10/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2149590	1	10/11/23 20:02	10/11/23 20:45	JAC	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2148271	1	10/10/23 15:43	10/10/23 15:43	BMD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2147116	1	10/07/23 16:30	10/07/23 16:30	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2148826	1	10/11/23 09:20	10/11/23 15:23	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149890	1	10/13/23 22:47	10/13/23 22:47	HMM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149942	1	10/12/23 17:36	10/12/23 17:36	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2147401	1	10/12/23 19:03	10/14/23 10:59	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2149104	1	10/11/23 14:03	10/13/23 01:13	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2149104	5	10/11/23 14:03	10/15/23 13:52	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2150984	1	10/14/23 11:25	10/15/23 11:44	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2149123	1	10/12/23 11:23	10/21/23 15:40	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2148782	1	10/11/23 03:19	10/11/23 03:19	JCP	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2145481	1	10/09/23 14:32	10/10/23 19:33	LTB	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2147257	1	10/08/23 16:26	10/08/23 23:19	NWH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2147257	1	10/08/23 16:26	10/08/23 23:19	NWH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2148873	1	10/11/23 14:00	10/12/23 18:15	AMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2148873	1	10/11/23 14:00	10/13/23 21:42	JNJ	Mt. Juliet, TN

LGW-7 L1664045-02 GW

Collected by: Chris Fincher | Collected date/time: 10/05/23 17:00 | Received date/time: 10/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2148271	1	10/10/23 15:44	10/10/23 15:44	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149890	1	10/14/23 00:09	10/14/23 00:09	HMM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149942	1	10/12/23 17:57	10/12/23 17:57	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2150984	1	10/14/23 11:25	10/15/23 11:56	ZSA	Mt. Juliet, TN

LGW-8R L1664045-03 GW

Collected by: Chris Fincher | Collected date/time: 10/05/23 17:35 | Received date/time: 10/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2148271	1	10/10/23 15:46	10/10/23 15:46	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149890	1	10/14/23 00:23	10/14/23 00:23	HMM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149942	1	10/12/23 18:16	10/12/23 18:16	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2149123	1	10/12/23 11:23	10/21/23 15:50	SJM	Mt. Juliet, TN

LGW-9 L1664045-04 GW

Collected by: Chris Fincher | Collected date/time: 10/05/23 19:00 | Received date/time: 10/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2149590	1	10/11/23 20:02	10/11/23 20:45	JAC	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2148271	1	10/10/23 15:49	10/10/23 15:49	BMD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2147116	1	10/07/23 16:31	10/07/23 16:31	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2148826	1	10/11/23 09:20	10/11/23 15:24	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149890	1	10/14/23 00:36	10/14/23 00:36	HMM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149942	1	10/12/23 18:33	10/12/23 18:33	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2147401	1	10/12/23 19:03	10/14/23 11:01	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2149104	1	10/11/23 14:03	10/13/23 01:25	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2149123	1	10/12/23 11:23	10/21/23 15:53	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2148782	1	10/11/23 03:39	10/11/23 03:39	JCP	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2145481	1	10/09/23 14:32	10/10/23 19:44	LTB	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2147257	1	10/08/23 16:26	10/08/23 23:28	NWH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2147257	1	10/08/23 16:26	10/08/23 23:28	NWH	Mt. Juliet, TN

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

LGW-9 L1664045-04 GW

Collected by: Chris Fincher | Collected date/time: 10/05/23 19:00 | Received date/time: 10/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2148873	1	10/11/23 14:00	10/12/23 18:36	AMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2148873	1	10/11/23 14:00	10/13/23 21:24	JNJ	Mt. Juliet, TN

LGW-10 L1664045-05 GW

Collected by: Chris Fincher | Collected date/time: 10/05/23 18:15 | Received date/time: 10/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2149590	1	10/11/23 20:02	10/11/23 20:45	JAC	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2148271	1	10/10/23 15:52	10/10/23 15:52	BMD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2147116	1	10/07/23 16:31	10/07/23 16:31	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2148826	1	10/11/23 09:20	10/11/23 15:29	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149890	1	10/14/23 00:50	10/14/23 00:50	HMM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149942	1	10/12/23 18:55	10/12/23 18:55	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2147401	1	10/12/23 19:03	10/14/23 11:04	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2149104	1	10/11/23 14:03	10/13/23 01:28	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2150984	1	10/14/23 11:25	10/15/23 11:59	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2149123	1	10/12/23 11:23	10/21/23 15:56	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2148782	1	10/11/23 04:00	10/11/23 04:00	JCP	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2147800	1	10/11/23 14:37	10/12/23 01:59	MEW	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2148878	1	10/11/23 20:41	10/13/23 01:51	LTB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2148878	1	10/11/23 20:41	10/13/23 01:51	LTB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2148873	1	10/11/23 14:00	10/12/23 18:58	AMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2148873	1	10/11/23 14:00	10/13/23 21:59	JNJ	Mt. Juliet, TN

LGW-14R L1664045-06 GW

Collected by: Chris Fincher | Collected date/time: 10/05/23 13:25 | Received date/time: 10/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2148271	1	10/10/23 15:53	10/10/23 15:53	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149890	1	10/14/23 01:04	10/14/23 01:04	HMM	Mt. Juliet, TN

NE-15D L1664045-07 GW

Collected by: Chris Fincher | Collected date/time: 10/06/23 10:00 | Received date/time: 10/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2150609	1	10/13/23 08:33	10/15/23 08:14	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149890	1	10/14/23 01:18	10/14/23 01:18	HMM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149942	1	10/12/23 20:17	10/12/23 20:17	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2149104	1	10/11/23 14:03	10/13/23 01:31	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2150984	1	10/14/23 11:25	10/15/23 12:02	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2149123	1	10/12/23 11:23	10/21/23 16:00	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2148115	1	10/10/23 06:05	10/10/23 06:05	DWR	Mt. Juliet, TN

MW-3N L1664045-08 GW

Collected by: Chris Fincher | Collected date/time: 10/06/23 08:25 | Received date/time: 10/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2150609	1	10/13/23 08:33	10/15/23 08:14	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149890	1	10/14/23 01:31	10/14/23 01:31	HMM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149942	1	10/12/23 20:34	10/12/23 20:34	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2149104	1	10/11/23 14:03	10/13/23 01:34	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2150984	1	10/14/23 11:25	10/15/23 12:04	ZSA	Mt. Juliet, TN

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

MW-3N L1664045-08 GW

Collected by: Chris Fincher | Collected date/time: 10/06/23 08:25 | Received date/time: 10/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2149123	1	10/12/23 11:23	10/21/23 16:03	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2148115	1	10/10/23 06:24	10/10/23 06:24	DWR	Mt. Juliet, TN

MW-8N L1664045-09 GW

Collected by: Chris Fincher | Collected date/time: 10/05/23 14:55 | Received date/time: 10/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2149295	1	10/11/23 14:07	10/11/23 14:20	JAC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2147116	1	10/07/23 16:31	10/07/23 16:31	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2148826	1	10/11/23 09:20	10/11/23 15:30	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149890	1	10/14/23 01:45	10/14/23 01:45	HMM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149942	1	10/12/23 21:13	10/12/23 21:13	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2147401	1	10/12/23 19:03	10/14/23 11:06	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2149104	1	10/11/23 14:03	10/13/23 01:37	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2149123	1	10/12/23 11:23	10/21/23 16:06	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2148782	1	10/11/23 04:21	10/11/23 04:21	JCP	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2147800	1	10/11/23 14:37	10/12/23 02:10	MEW	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2148878	1	10/11/23 20:41	10/13/23 02:00	LTB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2148878	1	10/11/23 20:41	10/13/23 02:00	LTB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2148873	1	10/11/23 14:00	10/12/23 19:20	AMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2148873	1	10/11/23 14:00	10/13/23 22:16	JNJ	Mt. Juliet, TN

MW-21 L1664045-10 GW

Collected by: Chris Fincher | Collected date/time: 10/06/23 09:15 | Received date/time: 10/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2150608	1	10/13/23 09:36	10/13/23 16:42	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149890	1	10/14/23 01:59	10/14/23 01:59	HMM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149942	1	10/12/23 21:32	10/12/23 21:32	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2149104	1	10/11/23 14:03	10/13/23 01:40	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2149123	1	10/12/23 11:23	10/21/23 16:10	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2148115	1	10/10/23 06:43	10/10/23 06:43	DWR	Mt. Juliet, TN

NE-9 L1664045-11 GW

Collected by: Chris Fincher | Collected date/time: 10/06/23 10:40 | Received date/time: 10/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2150609	1	10/13/23 08:33	10/15/23 08:14	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149890	1	10/14/23 02:40	10/14/23 02:40	HMM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149942	1	10/12/23 21:52	10/12/23 21:52	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2149104	1	10/11/23 14:03	10/13/23 01:43	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2149123	1	10/12/23 11:23	10/21/23 16:13	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2148115	1	10/10/23 07:02	10/10/23 07:02	DWR	Mt. Juliet, TN

TRIP BLANK L1664045-12 GW

Collected by: Chris Fincher | Collected date/time: 10/06/23 00:00 | Received date/time: 10/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2148782	1	10/11/23 02:17	10/11/23 02:17	JCP	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

Method 8270, -01, -04, -05, -06, -09: 2-Picoline, a,a-Dimethylphenethylamine, p-Phenylenediamine, and 3,3-Dimethylbenzidine are reporting with critically low recovery in the laboratory control sample(s). These compounds are a method defined poor performer. Results are estimated.

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 9012B

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

Batch	Lab Sample ID	Analytes
WG2148826	(MS) R3984879-5, (MS) R3984879-7, (MSD) R3984879-6, (MSD) R3984879-8, L1664045-04	Cyanide

Metals (ICP) by Method 6010B

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

Batch	Lab Sample ID	Analytes
WG2150984	(MS) R3986468-4, (MSD) R3986468-5	Manganese,Total Recoverable

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

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

Batch	Lab Sample ID	Analytes
WG2148782	(LCS) R3984893-1, L1664045-01, 04, 05, 09, 12	1,1,2-Trichloroethane and Dibromochloromethane

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

Batch	Lab Sample ID	Analytes
WG2148115	(LCSD) R3985695-2, L1664045-07, 08, 10, 11	1,2-Dibromo-3-Chloropropane and 2-Butanone (MEK)

Chlorinated Acid Herbicides (GC) by Method 8151

RPD between the primary and confirmatory analysis exceeded 40%

Batch	Lab Sample ID	Analytes
WG2145481	(LCS) R3984708-2	2,4,5-T
WG2145481	(LCSD) R3984708-3	2,4,5-T and 2,4-D

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

Batch	Lab Sample ID	Analytes
WG2145481	(LCSD) R3984708-3, L1664045-01, 04	2,4,5-T, 2,4,5-Tp (Silvex) and 2,4-D

Polychlorinated Biphenyls (GC) by Method 8082

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

Batch	Lab Sample ID	Analytes
WG2148878	(LCSD) R3986371-5, L1664045-05, 09	PCB 1016 and PCB 1260

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

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

Batch	Lab Sample ID	Analytes
WG2148873	(LCS) R3987287-1, L1664045-01, 04, 05, 09	1,4-Naphthoquinone, 3,3-Dimethylbenzidine and p-Phenylenediamine

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

Batch	Lab Sample ID	Analytes
WG2148873	(MS) R3986579-3	Indeno(1,2,3-cd)pyrene

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

Batch	Lab Sample ID	Analytes
WG2148873	(MSD) R3986579-4	2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2-Methylphenol, 4-Chloro-3-methylphenol and Hexachlorocyclopentadiene

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

Analyte	Result	Units
pH (On Site)	6.34	su
Specific Conductance (on site)	868	umhos/cm
Temperature (on-site)	18.8	Deg. C
Turbidity (on-site)	3.1	NTU
Dissolved Oxygen (on-site)	0.8	mg/l
eH/ORP (On Site)	-9.3	mV
Depth to water (DTW) (FROM TOC)	51.1	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	401		10.0	1	10/11/2023 20:45	WG2149590

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	10/10/2023 15:43	WG2148271

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		4.00	1	10/07/2023 16:30	WG2147116

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cyanide	ND		0.0100	1	10/11/2023 15:23	WG2148826

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	17.2		3.00	1	10/13/2023 22:47	WG2149890
Sulfate	ND		5.00	1	10/13/2023 22:47	WG2149890

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	10/12/2023 17:36	WG2149942

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury,Total Recoverable	ND		0.000200	1	10/14/2023 10:59	WG2147401

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Barium,Total Recoverable	0.196		0.00500	1	10/13/2023 01:13	WG2149104
Iron, Total Recoverable	1.29		0.0600	1	10/15/2023 11:44	WG2150984
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 01:13	WG2149104
Manganese,Total Recoverable	32.6		0.00600	5	10/15/2023 13:52	WG2149104
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 01:13	WG2149104

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 01:13	WG2149104
Tin, Total Recoverable	ND		0.100	1	10/13/2023 01:13	WG2149104

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Antimony, Total Recoverable	ND		0.00200	1	10/21/2023 15:40	WG2149123
Arsenic, Total Recoverable	ND		0.00500	1	10/21/2023 15:40	WG2149123
Beryllium, Total Recoverable	ND		0.00100	1	10/21/2023 15:40	WG2149123
Cadmium, Total Recoverable	0.00139		0.00100	1	10/21/2023 15:40	WG2149123
Chromium, Total Recoverable	ND		0.00300	1	10/21/2023 15:40	WG2149123
Cobalt,Total Recoverable	0.0248		0.00300	1	10/21/2023 15:40	WG2149123
Copper, Total Recoverable	ND		0.00400	1	10/21/2023 15:40	WG2149123
Nickel, Total Recoverable	0.165		0.00400	1	10/21/2023 15:40	WG2149123
Thallium, Total Recoverable	ND		0.00100	1	10/21/2023 15:40	WG2149123
Vanadium,Total Recoverable	ND		0.00300	1	10/21/2023 15:40	WG2149123
Zinc, Total Recoverable	0.139		0.00500	1	10/21/2023 15:40	WG2149123

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/11/2023 03:19	WG2148782
1,1,1-Trichloroethane	ND		1.00	1	10/11/2023 03:19	WG2148782
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/11/2023 03:19	WG2148782
1,1,2-Trichloroethane	ND	J4	1.00	1	10/11/2023 03:19	WG2148782
1,1-Dichloroethane	ND		1.00	1	10/11/2023 03:19	WG2148782
1,1-Dichloroethene	ND		1.00	1	10/11/2023 03:19	WG2148782
1,1-Dichloropropene	ND		1.00	1	10/11/2023 03:19	WG2148782
1,2,3-Trichloropropane	ND		1.00	1	10/11/2023 03:19	WG2148782
1,2-Dibromo-3-Chloropropane	ND		2.00	1	10/11/2023 03:19	WG2148782
1,2-Dibromoethane	ND		1.00	1	10/11/2023 03:19	WG2148782
1,2-Dichlorobenzene	ND		1.00	1	10/11/2023 03:19	WG2148782
1,2-Dichloroethane	ND		1.00	1	10/11/2023 03:19	WG2148782
1,2-Dichloropropane	ND		1.00	1	10/11/2023 03:19	WG2148782
1,3-Dichlorobenzene	ND		1.00	1	10/11/2023 03:19	WG2148782
1,3-Dichloropropane	ND		1.00	1	10/11/2023 03:19	WG2148782
1,4-Dichlorobenzene	ND		1.00	1	10/11/2023 03:19	WG2148782
2,2-Dichloropropane	ND		5.00	1	10/11/2023 03:19	WG2148782
2-Butanone (MEK)	ND		5.00	1	10/11/2023 03:19	WG2148782
2-Hexanone	ND		5.00	1	10/11/2023 03:19	WG2148782
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/11/2023 03:19	WG2148782
Acetone	ND		11.3	1	10/11/2023 03:19	WG2148782
Acetonitrile	ND		30.0	1	10/11/2023 03:19	WG2148782
Acrolein	ND		20.0	1	10/11/2023 03:19	WG2148782
Acrylonitrile	ND		20.0	1	10/11/2023 03:19	WG2148782
Allyl chloride	ND		10.0	1	10/11/2023 03:19	WG2148782
Benzene	ND		1.00	1	10/11/2023 03:19	WG2148782
Bromochloromethane	ND		1.00	1	10/11/2023 03:19	WG2148782
Bromodichloromethane	ND		1.00	1	10/11/2023 03:19	WG2148782
Bromoform	ND		1.00	1	10/11/2023 03:19	WG2148782
Bromomethane	ND		1.00	1	10/11/2023 03:19	WG2148782
Carbon disulfide	ND		1.00	1	10/11/2023 03:19	WG2148782
Carbon tetrachloride	ND		1.00	1	10/11/2023 03:19	WG2148782
Chlorobenzene	ND		1.00	1	10/11/2023 03:19	WG2148782
Chloroethane	ND		1.00	1	10/11/2023 03:19	WG2148782

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Chloroform	ND		1.00	1	10/11/2023 03:19	WG2148782
Chloromethane	ND		1.00	1	10/11/2023 03:19	WG2148782
Chloroprene	ND		1.70	1	10/11/2023 03:19	WG2148782
Dibromochloromethane	ND	J4	1.00	1	10/11/2023 03:19	WG2148782
Dibromomethane	ND		1.00	1	10/11/2023 03:19	WG2148782
Dichlorodifluoromethane	ND		2.00	1	10/11/2023 03:19	WG2148782
Ethyl methacrylate	ND		3.00	1	10/11/2023 03:19	WG2148782
Ethylbenzene	ND		1.00	1	10/11/2023 03:19	WG2148782
Iodomethane	ND		1.00	1	10/11/2023 03:19	WG2148782
Isobutanol	ND		110	1	10/11/2023 03:19	WG2148782
Methacrylonitrile	ND		13.0	1	10/11/2023 03:19	WG2148782
Methyl methacrylate	ND		4.00	1	10/11/2023 03:19	WG2148782
Methylene Chloride	ND		1.07	1	10/11/2023 03:19	WG2148782
Propionitrile	ND		20.0	1	10/11/2023 03:19	WG2148782
Styrene	ND		1.00	1	10/11/2023 03:19	WG2148782
Tetrachloroethene	ND		1.00	1	10/11/2023 03:19	WG2148782
Toluene	ND		1.00	1	10/11/2023 03:19	WG2148782
Trichloroethene	ND		1.00	1	10/11/2023 03:19	WG2148782
Trichlorofluoromethane	ND		1.00	1	10/11/2023 03:19	WG2148782
Vinyl acetate	ND		5.00	1	10/11/2023 03:19	WG2148782
Vinyl chloride	ND		1.00	1	10/11/2023 03:19	WG2148782
Xylenes, Total	ND		1.00	1	10/11/2023 03:19	WG2148782
cis-1,2-Dichloroethene	ND		1.00	1	10/11/2023 03:19	WG2148782
cis-1,3-Dichloropropene	ND		1.00	1	10/11/2023 03:19	WG2148782
trans-1,2-Dichloroethene	ND		1.00	1	10/11/2023 03:19	WG2148782
trans-1,3-Dichloropropene	ND		1.00	1	10/11/2023 03:19	WG2148782
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/11/2023 03:19	WG2148782
(S) Toluene-d8	*107*			*80.0-120*	*10/11/2023 03:19*	WG2148782
(S) 1,2-Dichloroethane-d4	*95.7*			*70.0-130*	*10/11/2023 03:19*	WG2148782
(S) 4-Bromofluorobenzene	*91.1*			*77.0-126*	*10/11/2023 03:19*	WG2148782

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
2,4,5-T	ND	J3	1.00	1	10/10/2023 19:33	WG2145481
2,4,5-Tp (Silvex)	ND	J3	1.00	1	10/10/2023 19:33	WG2145481
2,4-D	ND	J3	4.00	1	10/10/2023 19:33	WG2145481
(S) 2,4-Dichlorophenyl Acetic Acid	*85.3*			*14.0-158*	*10/10/2023 19:33*	WG2145481

Pesticides (GC) by Method 8081

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4,4-DDD	ND		0.0500	1	10/08/2023 23:19	WG2147257
4,4-DDE	ND		0.0500	1	10/08/2023 23:19	WG2147257
4,4-DDT	ND		0.0500	1	10/08/2023 23:19	WG2147257
Aldrin	ND		0.0500	1	10/08/2023 23:19	WG2147257
Alpha BHC	ND		0.0500	1	10/08/2023 23:19	WG2147257
Beta BHC	ND		0.500	1	10/08/2023 23:19	WG2147257
Chlordane	ND		0.500	1	10/08/2023 23:19	WG2147257
Delta BHC	ND		0.0500	1	10/08/2023 23:19	WG2147257
Dieldrin	ND		0.0500	1	10/08/2023 23:19	WG2147257
Endosulfan I	ND		0.0500	1	10/08/2023 23:19	WG2147257
Endosulfan II	ND		0.0500	1	10/08/2023 23:19	WG2147257
Endosulfan sulfate	ND		0.0500	1	10/08/2023 23:19	WG2147257
Endrin	ND		0.0500	1	10/08/2023 23:19	WG2147257

Pesticides (GC) by Method 8081

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Endrin aldehyde	ND		0.0500	1	10/08/2023 23:19	WG2147257
Gamma BHC	ND		0.0500	1	10/08/2023 23:19	WG2147257
Heptachlor	ND		0.0500	1	10/08/2023 23:19	WG2147257
Heptachlor epoxide	ND		0.0500	1	10/08/2023 23:19	WG2147257
Methoxychlor	ND		0.100	1	10/08/2023 23:19	WG2147257
Toxaphene	ND		5.00	1	10/08/2023 23:19	WG2147257
(S) Decachlorobiphenyl	*65.8*			*10.0-128*	*10/08/2023 23:19*	WG2147257
(S) Tetrachloro-m-xylene	*64.9*			*10.0-127*	*10/08/2023 23:19*	WG2147257

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
PCB 1016	ND		1.00	1	10/08/2023 23:19	WG2147257
PCB 1221	ND		1.00	1	10/08/2023 23:19	WG2147257
PCB 1232	ND		1.00	1	10/08/2023 23:19	WG2147257
PCB 1242	ND		1.00	1	10/08/2023 23:19	WG2147257
PCB 1248	ND		1.00	1	10/08/2023 23:19	WG2147257
PCB 1254	ND		1.00	1	10/08/2023 23:19	WG2147257
PCB 1260	ND		1.00	1	10/08/2023 23:19	WG2147257
(S) Decachlorobiphenyl	*79.8*			*10.0-128*	*10/08/2023 23:19*	WG2147257
(S) Tetrachloro-m-xylene	*73.2*			*10.0-127*	*10/08/2023 23:19*	WG2147257

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	10/12/2023 18:15	WG2148873
1,2,4-Trichlorobenzene	ND		10.0	1	10/12/2023 18:15	WG2148873
1,3,5-Trinitrobenzene	ND		50.0	1	10/13/2023 21:42	WG2148873
1,3-Dinitrobenzene	ND		10.0	1	10/13/2023 21:42	WG2148873
1,4-Naphthoquinone	ND	J4	50.0	1	10/13/2023 21:42	WG2148873
1-Naphthylamine	ND		10.0	1	10/13/2023 21:42	WG2148873
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	10/12/2023 18:15	WG2148873
2,3,4,6-Tetrachlorophenol	ND		50.0	1	10/12/2023 18:15	WG2148873
2,4,5-Trichlorophenol	ND		10.0	1	10/12/2023 18:15	WG2148873
2,4,6-Trichlorophenol	ND		10.0	1	10/12/2023 18:15	WG2148873
2,4-Dichlorophenol	ND		10.0	1	10/12/2023 18:15	WG2148873
2,4-Dimethylphenol	ND		10.0	1	10/12/2023 18:15	WG2148873
2,4-Dinitrophenol	ND		50.0	1	10/12/2023 18:15	WG2148873
2,4-Dinitrotoluene	ND		10.0	1	10/12/2023 18:15	WG2148873
2,6-Dichlorophenol	ND		10.0	1	10/13/2023 21:42	WG2148873
2,6-Dinitrotoluene	ND		10.0	1	10/12/2023 18:15	WG2148873
2-Acetylaminofluorene	ND		100	1	10/13/2023 21:42	WG2148873
2-Chloronaphthalene	ND		10.0	1	10/12/2023 18:15	WG2148873
2-Chlorophenol	ND		10.0	1	10/12/2023 18:15	WG2148873
2-Methylnaphthalene	ND		10.0	1	10/12/2023 18:15	WG2148873
2-Methylphenol	ND		10.0	1	10/12/2023 18:15	WG2148873
2-Naphthylamine	ND		10.0	1	10/13/2023 21:42	WG2148873
2-Nitroaniline	ND		50.0	1	10/12/2023 18:15	WG2148873
2-Nitrophenol	ND		10.0	1	10/12/2023 18:15	WG2148873
3&4-Methyl Phenol	ND		10.0	1	10/12/2023 18:15	WG2148873
3,3-Dichlorobenzidine	ND		50.0	1	10/12/2023 18:15	WG2148873
3,3-Dimethylbenzidine	ND	J4	20.0	1	10/13/2023 21:42	WG2148873
3-Methylcholanthrene	ND		20.0	1	10/13/2023 21:42	WG2148873
3-Nitroaniline	ND		50.0	1	10/12/2023 18:15	WG2148873
4,6-Dinitro-2-methylphenol	ND		50.0	1	10/12/2023 18:15	WG2148873

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

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4-Aminobiphenyl	ND		10.0	1	10/13/2023 21:42	WG2148873
4-Bromophenyl-phenylether	ND		50.0	1	10/12/2023 18:15	WG2148873
4-Chloro-3-methylphenol	ND		10.0	1	10/12/2023 18:15	WG2148873
4-Chloroaniline	ND		10.0	1	10/12/2023 18:15	WG2148873
4-Chlorophenyl-phenylether	ND		10.0	1	10/12/2023 18:15	WG2148873
4-Nitroaniline	ND		50.0	1	10/12/2023 18:15	WG2148873
4-Nitrophenol	ND		50.0	1	10/12/2023 18:15	WG2148873
5-Nitro-o-toluidine	ND		20.0	1	10/13/2023 21:42	WG2148873
Acenaphthene	ND		10.0	1	10/12/2023 18:15	WG2148873
Acenaphthylene	ND		10.0	1	10/12/2023 18:15	WG2148873
Acetophenone	ND		10.0	1	10/12/2023 18:15	WG2148873
Anthracene	ND		10.0	1	10/12/2023 18:15	WG2148873
Benzo(A)Anthracene	ND		10.0	1	10/12/2023 18:15	WG2148873
Benzo(a)pyrene	ND		10.0	1	10/12/2023 18:15	WG2148873
Benzo(b)fluoranthene	ND		10.0	1	10/12/2023 18:15	WG2148873
Benzo(g,h,i)perylene	ND		10.0	1	10/12/2023 18:15	WG2148873
Benzo(k)fluoranthene	ND		10.0	1	10/12/2023 18:15	WG2148873
Benzyl Alcohol	ND		10.0	1	10/12/2023 18:15	WG2148873
Benzylbutyl phthalate	ND		10.0	1	10/12/2023 18:15	WG2148873
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	10/12/2023 18:15	WG2148873
Bis(2-chlorethoxy)methane	ND		10.0	1	10/12/2023 18:15	WG2148873
Bis(2-chloroethyl)ether	ND		10.0	1	10/12/2023 18:15	WG2148873
Chlorobenzilate	ND		10.0	1	10/13/2023 21:42	WG2148873
Chrysene	ND		10.0	1	10/12/2023 18:15	WG2148873
Di-n-butyl phthalate	ND		10.0	1	10/12/2023 18:15	WG2148873
Di-n-octyl phthalate	ND		10.0	1	10/12/2023 18:15	WG2148873
Diallate	ND		20.0	1	10/13/2023 21:42	WG2148873
Dibenz(a,h)anthracene	ND		20.0	1	10/12/2023 18:15	WG2148873
Dibenzofuran	ND		10.0	1	10/12/2023 18:15	WG2148873
Diethyl phthalate	ND		10.0	1	10/12/2023 18:15	WG2148873
Dimethoate	ND		20.0	1	10/13/2023 21:42	WG2148873
Dimethyl phthalate	ND		10.0	1	10/12/2023 18:15	WG2148873
Dimethylbenz (A) Anthracene	ND		20.0	1	10/13/2023 21:42	WG2148873
Dinoseb	ND		17.9	1	10/13/2023 21:42	WG2148873
Diphenylamine	ND		10.0	1	10/12/2023 18:15	WG2148873
Disulfoton	ND		50.0	1	10/13/2023 21:42	WG2148873
Ethyl methanesulfonate	ND		10.0	1	10/13/2023 21:42	WG2148873
Ethyl parathion	ND		50.0	1	10/13/2023 21:42	WG2148873
Famphur	ND		200	1	10/13/2023 21:42	WG2148873
Fluoranthene	ND		1.00	1	10/12/2023 18:15	WG2148873
Fluorene	ND		10.0	1	10/12/2023 18:15	WG2148873
Hexachloro-1,3-butadiene	ND		10.0	1	10/12/2023 18:15	WG2148873
Hexachlorobenzene	ND		10.0	1	10/12/2023 18:15	WG2148873
Hexachlorocyclopentadiene	ND		50.0	1	10/12/2023 18:15	WG2148873
Hexachloroethane	ND		10.0	1	10/12/2023 18:15	WG2148873
Hexachloropropene	ND		100	1	10/13/2023 21:42	WG2148873
Indeno(1,2,3-cd)pyrene	ND		10.0	1	10/12/2023 18:15	WG2148873
Isodrin	ND		10.0	1	10/13/2023 21:42	WG2148873
Isophorone	ND		10.0	1	10/12/2023 18:15	WG2148873
Isosafrole	ND		20.0	1	10/13/2023 21:42	WG2148873
Kepone	ND		1.88	1	10/13/2023 21:42	WG2148873
Methapyrilene	ND		50.0	1	10/13/2023 21:42	WG2148873
Methyl methanesulfonate	ND		50.0	1	10/13/2023 21:42	WG2148873
Methyl parathion	ND		10.0	1	10/13/2023 21:42	WG2148873
Naphthalene	ND		10.0	1	10/12/2023 18:15	WG2148873
Nitrobenzene	ND		10.0	1	10/12/2023 18:15	WG2148873

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	10/13/2023 21:42	WG2148873
P-(Dimethylamino) Azobenzene	ND		20.0	1	10/13/2023 21:42	WG2148873
Pentachlorobenzene	ND		10.0	1	10/13/2023 21:42	WG2148873
Pentachloronitrobenzene	ND		50.0	1	10/13/2023 21:42	WG2148873
Pentachlorophenol	ND		50.0	1	10/12/2023 18:15	WG2148873
Phenacetin	ND		10.0	1	10/13/2023 21:42	WG2148873
Phenanthrene	ND		20.0	1	10/12/2023 18:15	WG2148873
Phenol	ND		10.0	1	10/12/2023 18:15	WG2148873
Phorate	ND		50.0	1	10/13/2023 21:42	WG2148873
Pronamide	ND		20.0	1	10/13/2023 21:42	WG2148873
Pyrene	ND		10.0	1	10/12/2023 18:15	WG2148873
Safrole	ND		50.0	1	10/13/2023 21:42	WG2148873
Thionazin	ND		10.0	1	10/13/2023 21:42	WG2148873
n-Nitrosodi-n-butylamine	ND		10.0	1	10/13/2023 21:42	WG2148873
n-Nitrosodi-n-propylamine	ND		10.0	1	10/12/2023 18:15	WG2148873
n-Nitrosodiethylamine	ND		10.0	1	10/13/2023 21:42	WG2148873
n-Nitrosodimethylamine	ND		10.0	1	10/12/2023 18:15	WG2148873
n-Nitrosodiphenylamine	ND		10.0	1	10/12/2023 18:15	WG2148873
n-Nitrosomethylethylamine	ND		10.0	1	10/13/2023 21:42	WG2148873
n-Nitrosopiperidine	ND		10.0	1	10/13/2023 21:42	WG2148873
n-Nitrosopyrrolidine	ND		10.0	1	10/13/2023 21:42	WG2148873
o-Toluidine	ND		10.0	1	10/13/2023 21:42	WG2148873
p-Phenylenediamine	ND	J4	387	1	10/13/2023 21:42	WG2148873
(S) Phenol-d5	*17.1*			*10.0-120*	*10/12/2023 18:15*	WG2148873
(S) 2,4,6-Tribromophenol	*29.7*			*10.0-155*	*10/12/2023 18:15*	WG2148873
(S) p-Terphenyl-d14	*50.1*			*10.0-128*	*10/12/2023 18:15*	WG2148873
(S) Nitrobenzene-d5	*52.5*			*10.0-127*	*10/12/2023 18:15*	WG2148873
(S) 2-Fluorobiphenyl	*53.7*			*10.0-130*	*10/12/2023 18:15*	WG2148873
(S) 2-Fluorophenol	*22.9*			*10.0-120*	*10/12/2023 18:15*	WG2148873

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

Analyte	Result	Units
pH (On Site)	6.69	su
Specific Conductance (on site)	744	umhos/cm
Temperature (on-site)	18.2	Deg. C
Turbidity (on-site)	2.6	NTU
Dissolved Oxygen (on-site)	1.9	mg/l
eH/ORP (On Site)	91	mV
Depth to water (DTW) (FROM TOC)	43.65	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	10/10/2023 15:44	WG2148271

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	17.3		3.00	1	10/14/2023 00:09	WG2149890

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	10/12/2023 17:57	WG2149942

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Manganese,Total Recoverable	0.0258		0.00300	1	10/15/2023 11:56	WG2150984

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

Analyte	Result	Units
pH (On Site)	6.64	su
Specific Conductance (on site)	873	umhos/cm
Temperature (on-site)	17.3	Deg. C
Turbidity (on-site)	2.5	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	95.9	mV
Depth to water (DTW) (FROM TOC)	10.9	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	10/10/2023 15:46	WG2148271

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	20.2		3.00	1	10/14/2023 00:23	WG2149890

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	10/12/2023 18:16	WG2149942

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cadmium, Total Recoverable	0.00297		0.00100	1	10/21/2023 15:50	WG2149123
Nickel, Total Recoverable	0.0187		0.00400	1	10/21/2023 15:50	WG2149123
Zinc, Total Recoverable	0.0585		0.00500	1	10/21/2023 15:50	WG2149123

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

Analyte	Result	Units
pH (On Site)	6.41	su
Specific Conductance (on site)	930	umhos/cm
Temperature (on-site)	17.2	Deg. C
Turbidity (on-site)	2.8	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	79.7	mV
Depth to water (DTW) (FROM TOC)	54.24	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	412		10.0	1	10/11/2023 20:45	WG2149590

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	10/10/2023 15:49	WG2148271

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		4.00	1	10/07/2023 16:31	WG2147116

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cyanide	ND	J6	0.0100	1	10/11/2023 15:24	WG2148826

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	34.8		3.00	1	10/14/2023 00:36	WG2149890
Sulfate	7.30		5.00	1	10/14/2023 00:36	WG2149890

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.45		1.00	1	10/12/2023 18:33	WG2149942

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury,Total Recoverable	ND		0.000200	1	10/14/2023 11:01	WG2147401

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Barium,Total Recoverable	0.146		0.00500	1	10/13/2023 01:25	WG2149104
Iron, Total Recoverable	ND		0.0600	1	10/13/2023 01:25	WG2149104
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 01:25	WG2149104
Manganese,Total Recoverable	3.27		0.00300	1	10/13/2023 01:25	WG2149104
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 01:25	WG2149104

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 01:25	WG2149104
Tin, Total Recoverable	ND		0.100	1	10/13/2023 01:25	WG2149104

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Antimony, Total Recoverable	ND		0.00200	1	10/21/2023 15:53	WG2149123
Arsenic, Total Recoverable	ND		0.00500	1	10/21/2023 15:53	WG2149123
Beryllium, Total Recoverable	ND		0.00100	1	10/21/2023 15:53	WG2149123
Cadmium, Total Recoverable	0.0117		0.00100	1	10/21/2023 15:53	WG2149123
Chromium, Total Recoverable	ND		0.00300	1	10/21/2023 15:53	WG2149123
Cobalt,Total Recoverable	ND		0.00300	1	10/21/2023 15:53	WG2149123
Copper, Total Recoverable	ND		0.00400	1	10/21/2023 15:53	WG2149123
Nickel, Total Recoverable	0.0221		0.00400	1	10/21/2023 15:53	WG2149123
Thallium, Total Recoverable	ND		0.00100	1	10/21/2023 15:53	WG2149123
Vanadium,Total Recoverable	ND		0.00300	1	10/21/2023 15:53	WG2149123
Zinc, Total Recoverable	0.0624		0.00500	1	10/21/2023 15:53	WG2149123

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/11/2023 03:39	WG2148782
1,1,1-Trichloroethane	ND		1.00	1	10/11/2023 03:39	WG2148782
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/11/2023 03:39	WG2148782
1,1,2-Trichloroethane	ND	J4	1.00	1	10/11/2023 03:39	WG2148782
1,1-Dichloroethane	ND		1.00	1	10/11/2023 03:39	WG2148782
1,1-Dichloroethene	ND		1.00	1	10/11/2023 03:39	WG2148782
1,1-Dichloropropene	ND		1.00	1	10/11/2023 03:39	WG2148782
1,2,3-Trichloropropane	ND		1.00	1	10/11/2023 03:39	WG2148782
1,2-Dibromo-3-Chloropropane	ND		2.00	1	10/11/2023 03:39	WG2148782
1,2-Dibromoethane	ND		1.00	1	10/11/2023 03:39	WG2148782
1,2-Dichlorobenzene	ND		1.00	1	10/11/2023 03:39	WG2148782
1,2-Dichloroethane	ND		1.00	1	10/11/2023 03:39	WG2148782
1,2-Dichloropropane	ND		1.00	1	10/11/2023 03:39	WG2148782
1,3-Dichlorobenzene	ND		1.00	1	10/11/2023 03:39	WG2148782
1,3-Dichloropropane	ND		1.00	1	10/11/2023 03:39	WG2148782
1,4-Dichlorobenzene	ND		1.00	1	10/11/2023 03:39	WG2148782
2,2-Dichloropropane	ND		5.00	1	10/11/2023 03:39	WG2148782
2-Butanone (MEK)	ND		5.00	1	10/11/2023 03:39	WG2148782
2-Hexanone	ND		5.00	1	10/11/2023 03:39	WG2148782
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/11/2023 03:39	WG2148782
Acetone	ND		11.3	1	10/11/2023 03:39	WG2148782
Acetonitrile	ND		30.0	1	10/11/2023 03:39	WG2148782
Acrolein	ND		20.0	1	10/11/2023 03:39	WG2148782
Acrylonitrile	ND		20.0	1	10/11/2023 03:39	WG2148782
Allyl chloride	ND		10.0	1	10/11/2023 03:39	WG2148782
Benzene	ND		1.00	1	10/11/2023 03:39	WG2148782
Bromochloromethane	ND		1.00	1	10/11/2023 03:39	WG2148782
Bromodichloromethane	ND		1.00	1	10/11/2023 03:39	WG2148782
Bromoform	ND		1.00	1	10/11/2023 03:39	WG2148782
Bromomethane	ND		1.00	1	10/11/2023 03:39	WG2148782
Carbon disulfide	ND		1.00	1	10/11/2023 03:39	WG2148782
Carbon tetrachloride	ND		1.00	1	10/11/2023 03:39	WG2148782
Chlorobenzene	ND		1.00	1	10/11/2023 03:39	WG2148782
Chloroethane	ND		1.00	1	10/11/2023 03:39	WG2148782

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Chloroform	ND		1.00	1	10/11/2023 03:39	WG2148782
Chloromethane	ND		1.00	1	10/11/2023 03:39	WG2148782
Chloroprene	ND		1.70	1	10/11/2023 03:39	WG2148782
Dibromochloromethane	ND	J4	1.00	1	10/11/2023 03:39	WG2148782
Dibromomethane	ND		1.00	1	10/11/2023 03:39	WG2148782
Dichlorodifluoromethane	ND		2.00	1	10/11/2023 03:39	WG2148782
Ethyl methacrylate	ND		3.00	1	10/11/2023 03:39	WG2148782
Ethylbenzene	ND		1.00	1	10/11/2023 03:39	WG2148782
Iodomethane	ND		1.00	1	10/11/2023 03:39	WG2148782
Isobutanol	ND		110	1	10/11/2023 03:39	WG2148782
Methacrylonitrile	ND		13.0	1	10/11/2023 03:39	WG2148782
Methyl methacrylate	ND		4.00	1	10/11/2023 03:39	WG2148782
Methylene Chloride	ND		1.07	1	10/11/2023 03:39	WG2148782
Propionitrile	ND		20.0	1	10/11/2023 03:39	WG2148782
Styrene	ND		1.00	1	10/11/2023 03:39	WG2148782
Tetrachloroethene	ND		1.00	1	10/11/2023 03:39	WG2148782
Toluene	ND		1.00	1	10/11/2023 03:39	WG2148782
Trichloroethene	ND		1.00	1	10/11/2023 03:39	WG2148782
Trichlorofluoromethane	ND		1.00	1	10/11/2023 03:39	WG2148782
Vinyl acetate	ND		5.00	1	10/11/2023 03:39	WG2148782
Vinyl chloride	ND		1.00	1	10/11/2023 03:39	WG2148782
Xylenes, Total	ND		1.00	1	10/11/2023 03:39	WG2148782
cis-1,2-Dichloroethene	ND		1.00	1	10/11/2023 03:39	WG2148782
cis-1,3-Dichloropropene	ND		1.00	1	10/11/2023 03:39	WG2148782
trans-1,2-Dichloroethene	ND		1.00	1	10/11/2023 03:39	WG2148782
trans-1,3-Dichloropropene	ND		1.00	1	10/11/2023 03:39	WG2148782
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/11/2023 03:39	WG2148782
(S) Toluene-d8	*109*			*80.0-120*	*10/11/2023 03:39*	WG2148782
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*	*10/11/2023 03:39*	WG2148782
(S) 4-Bromofluorobenzene	*91.3*			*77.0-126*	*10/11/2023 03:39*	WG2148782

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
2,4,5-T	ND	J3	1.00	1	10/10/2023 19:44	WG2145481
2,4,5-Tp (Silvex)	ND	J3	1.00	1	10/10/2023 19:44	WG2145481
2,4-D	ND	J3	4.00	1	10/10/2023 19:44	WG2145481
(S) 2,4-Dichlorophenyl Acetic Acid	*96.0*			*14.0-158*	*10/10/2023 19:44*	WG2145481

Pesticides (GC) by Method 8081

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4,4-DDD	ND		0.0500	1	10/08/2023 23:28	WG2147257
4,4-DDE	ND		0.0500	1	10/08/2023 23:28	WG2147257
4,4-DDT	ND		0.0500	1	10/08/2023 23:28	WG2147257
Aldrin	ND		0.0500	1	10/08/2023 23:28	WG2147257
Alpha BHC	ND		0.0500	1	10/08/2023 23:28	WG2147257
Beta BHC	ND		0.500	1	10/08/2023 23:28	WG2147257
Chlordane	ND		0.500	1	10/08/2023 23:28	WG2147257
Delta BHC	ND		0.0500	1	10/08/2023 23:28	WG2147257
Dieldrin	ND		0.0500	1	10/08/2023 23:28	WG2147257
Endosulfan I	ND		0.0500	1	10/08/2023 23:28	WG2147257
Endosulfan II	ND		0.0500	1	10/08/2023 23:28	WG2147257
Endosulfan sulfate	ND		0.0500	1	10/08/2023 23:28	WG2147257
Endrin	ND		0.0500	1	10/08/2023 23:28	WG2147257

Pesticides (GC) by Method 8081

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Endrin aldehyde	ND		0.0500	1	10/08/2023 23:28	WG2147257
Gamma BHC	ND		0.0500	1	10/08/2023 23:28	WG2147257
Heptachlor	ND		0.0500	1	10/08/2023 23:28	WG2147257
Heptachlor epoxide	ND		0.0500	1	10/08/2023 23:28	WG2147257
Methoxychlor	ND		0.100	1	10/08/2023 23:28	WG2147257
Toxaphene	ND		5.00	1	10/08/2023 23:28	WG2147257
(S) Decachlorobiphenyl	*57.0*			*10.0-128*	*10/08/2023 23:28*	WG2147257
(S) Tetrachloro-m-xylene	*64.1*			*10.0-127*	*10/08/2023 23:28*	WG2147257

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
PCB 1016	ND		1.00	1	10/08/2023 23:28	WG2147257
PCB 1221	ND		1.00	1	10/08/2023 23:28	WG2147257
PCB 1232	ND		1.00	1	10/08/2023 23:28	WG2147257
PCB 1242	ND		1.00	1	10/08/2023 23:28	WG2147257
PCB 1248	ND		1.00	1	10/08/2023 23:28	WG2147257
PCB 1254	ND		1.00	1	10/08/2023 23:28	WG2147257
PCB 1260	ND		1.00	1	10/08/2023 23:28	WG2147257
(S) Decachlorobiphenyl	*67.5*			*10.0-128*	*10/08/2023 23:28*	WG2147257
(S) Tetrachloro-m-xylene	*70.6*			*10.0-127*	*10/08/2023 23:28*	WG2147257

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	10/12/2023 18:36	WG2148873
1,2,4-Trichlorobenzene	ND		10.0	1	10/12/2023 18:36	WG2148873
1,3,5-Trinitrobenzene	ND		50.0	1	10/13/2023 21:24	WG2148873
1,3-Dinitrobenzene	ND		10.0	1	10/13/2023 21:24	WG2148873
1,4-Naphthoquinone	ND	J4	50.0	1	10/13/2023 21:24	WG2148873
1-Naphthylamine	ND		10.0	1	10/13/2023 21:24	WG2148873
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	10/12/2023 18:36	WG2148873
2,3,4,6-Tetrachlorophenol	ND		50.0	1	10/12/2023 18:36	WG2148873
2,4,5-Trichlorophenol	ND		10.0	1	10/12/2023 18:36	WG2148873
2,4,6-Trichlorophenol	ND		10.0	1	10/12/2023 18:36	WG2148873
2,4-Dichlorophenol	ND		10.0	1	10/12/2023 18:36	WG2148873
2,4-Dimethylphenol	ND		10.0	1	10/12/2023 18:36	WG2148873
2,4-Dinitrophenol	ND		50.0	1	10/12/2023 18:36	WG2148873
2,4-Dinitrotoluene	ND		10.0	1	10/12/2023 18:36	WG2148873
2,6-Dichlorophenol	ND		10.0	1	10/13/2023 21:24	WG2148873
2,6-Dinitrotoluene	ND		10.0	1	10/12/2023 18:36	WG2148873
2-Acetylaminofluorene	ND		100	1	10/13/2023 21:24	WG2148873
2-Chloronaphthalene	ND		10.0	1	10/12/2023 18:36	WG2148873
2-Chlorophenol	ND		10.0	1	10/12/2023 18:36	WG2148873
2-Methylnaphthalene	ND		10.0	1	10/12/2023 18:36	WG2148873
2-Methylphenol	ND		10.0	1	10/12/2023 18:36	WG2148873
2-Naphthylamine	ND		10.0	1	10/13/2023 21:24	WG2148873
2-Nitroaniline	ND		50.0	1	10/12/2023 18:36	WG2148873
2-Nitrophenol	ND		10.0	1	10/12/2023 18:36	WG2148873
3&4-Methyl Phenol	ND		10.0	1	10/12/2023 18:36	WG2148873
3,3-Dichlorobenzidine	ND		50.0	1	10/12/2023 18:36	WG2148873
3,3-Dimethylbenzidine	ND	J4	20.0	1	10/13/2023 21:24	WG2148873
3-Methylcholanthrene	ND		20.0	1	10/13/2023 21:24	WG2148873
3-Nitroaniline	ND		50.0	1	10/12/2023 18:36	WG2148873
4,6-Dinitro-2-methylphenol	ND		50.0	1	10/12/2023 18:36	WG2148873

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4-Aminobiphenyl	ND		10.0	1	10/13/2023 21:24	WG2148873
4-Bromophenyl-phenylether	ND		50.0	1	10/12/2023 18:36	WG2148873
4-Chloro-3-methylphenol	ND		10.0	1	10/12/2023 18:36	WG2148873
4-Chloroaniline	ND		10.0	1	10/12/2023 18:36	WG2148873
4-Chlorophenyl-phenylether	ND		10.0	1	10/12/2023 18:36	WG2148873
4-Nitroaniline	ND		50.0	1	10/12/2023 18:36	WG2148873
4-Nitrophenol	ND		50.0	1	10/12/2023 18:36	WG2148873
5-Nitro-o-toluidine	ND		20.0	1	10/13/2023 21:24	WG2148873
Acenaphthene	ND		10.0	1	10/12/2023 18:36	WG2148873
Acenaphthylene	ND		10.0	1	10/12/2023 18:36	WG2148873
Acetophenone	ND		10.0	1	10/12/2023 18:36	WG2148873
Anthracene	ND		10.0	1	10/12/2023 18:36	WG2148873
Benzo(A)Anthracene	ND		10.0	1	10/12/2023 18:36	WG2148873
Benzo(a)pyrene	ND		10.0	1	10/12/2023 18:36	WG2148873
Benzo(b)fluoranthene	ND		10.0	1	10/12/2023 18:36	WG2148873
Benzo(g,h,i)perylene	ND		10.0	1	10/12/2023 18:36	WG2148873
Benzo(k)fluoranthene	ND		10.0	1	10/12/2023 18:36	WG2148873
Benzyl Alcohol	ND		10.0	1	10/12/2023 18:36	WG2148873
Benzylbutyl phthalate	ND		10.0	1	10/12/2023 18:36	WG2148873
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	10/12/2023 18:36	WG2148873
Bis(2-chlorethoxy)methane	ND		10.0	1	10/12/2023 18:36	WG2148873
Bis(2-chloroethyl)ether	ND		10.0	1	10/12/2023 18:36	WG2148873
Chlorobenzilate	ND		10.0	1	10/13/2023 21:24	WG2148873
Chrysene	ND		10.0	1	10/12/2023 18:36	WG2148873
Di-n-butyl phthalate	ND		10.0	1	10/12/2023 18:36	WG2148873
Di-n-octyl phthalate	ND		10.0	1	10/12/2023 18:36	WG2148873
Diallate	ND		20.0	1	10/13/2023 21:24	WG2148873
Dibenz(a,h)anthracene	ND		20.0	1	10/12/2023 18:36	WG2148873
Dibenzofuran	ND		10.0	1	10/12/2023 18:36	WG2148873
Diethyl phthalate	ND		10.0	1	10/12/2023 18:36	WG2148873
Dimethoate	ND		20.0	1	10/13/2023 21:24	WG2148873
Dimethyl phthalate	ND		10.0	1	10/12/2023 18:36	WG2148873
Dimethylbenz (A) Anthracene	ND		20.0	1	10/13/2023 21:24	WG2148873
Dinoseb	ND		17.9	1	10/13/2023 21:24	WG2148873
Diphenylamine	ND		10.0	1	10/12/2023 18:36	WG2148873
Disulfoton	ND		50.0	1	10/13/2023 21:24	WG2148873
Ethyl methanesulfonate	ND		10.0	1	10/13/2023 21:24	WG2148873
Ethyl parathion	ND		50.0	1	10/13/2023 21:24	WG2148873
Famphur	ND		200	1	10/13/2023 21:24	WG2148873
Fluoranthene	ND		1.00	1	10/12/2023 18:36	WG2148873
Fluorene	ND		10.0	1	10/12/2023 18:36	WG2148873
Hexachloro-1,3-butadiene	ND		10.0	1	10/12/2023 18:36	WG2148873
Hexachlorobenzene	ND		10.0	1	10/12/2023 18:36	WG2148873
Hexachlorocyclopentadiene	ND		50.0	1	10/12/2023 18:36	WG2148873
Hexachloroethane	ND		10.0	1	10/12/2023 18:36	WG2148873
Hexachloropropene	ND		100	1	10/13/2023 21:24	WG2148873
Indeno(1,2,3-cd)pyrene	ND		10.0	1	10/12/2023 18:36	WG2148873
Isodrin	ND		10.0	1	10/13/2023 21:24	WG2148873
Isophorone	ND		10.0	1	10/12/2023 18:36	WG2148873
Isosafrole	ND		20.0	1	10/13/2023 21:24	WG2148873
Kepone	ND		1.88	1	10/13/2023 21:24	WG2148873
Methapyrilene	ND		50.0	1	10/13/2023 21:24	WG2148873
Methyl methanesulfonate	ND		50.0	1	10/13/2023 21:24	WG2148873
Methyl parathion	ND		10.0	1	10/13/2023 21:24	WG2148873
Naphthalene	ND		10.0	1	10/12/2023 18:36	WG2148873
Nitrobenzene	ND		10.0	1	10/12/2023 18:36	WG2148873

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

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	10/13/2023 21:24	WG2148873
P-(Dimethylamino) Azobenzene	ND		20.0	1	10/13/2023 21:24	WG2148873
Pentachlorobenzene	ND		10.0	1	10/13/2023 21:24	WG2148873
Pentachloronitrobenzene	ND		50.0	1	10/13/2023 21:24	WG2148873
Pentachlorophenol	ND		50.0	1	10/12/2023 18:36	WG2148873
Phenacetin	ND		10.0	1	10/13/2023 21:24	WG2148873
Phenanthrene	ND		20.0	1	10/12/2023 18:36	WG2148873
Phenol	ND		10.0	1	10/12/2023 18:36	WG2148873
Phorate	ND		50.0	1	10/13/2023 21:24	WG2148873
Pronamide	ND		20.0	1	10/13/2023 21:24	WG2148873
Pyrene	ND		10.0	1	10/12/2023 18:36	WG2148873
Safrole	ND		50.0	1	10/13/2023 21:24	WG2148873
Thionazin	ND		10.0	1	10/13/2023 21:24	WG2148873
n-Nitrosodi-n-butylamine	ND		10.0	1	10/13/2023 21:24	WG2148873
n-Nitrosodi-n-propylamine	ND		10.0	1	10/12/2023 18:36	WG2148873
n-Nitrosodiethylamine	ND		10.0	1	10/13/2023 21:24	WG2148873
n-Nitrosodimethylamine	ND		10.0	1	10/12/2023 18:36	WG2148873
n-Nitrosodiphenylamine	ND		10.0	1	10/12/2023 18:36	WG2148873
n-Nitrosomethylethylamine	ND		10.0	1	10/13/2023 21:24	WG2148873
n-Nitrosopiperidine	ND		10.0	1	10/13/2023 21:24	WG2148873
n-Nitrosopyrrolidine	ND		10.0	1	10/13/2023 21:24	WG2148873
o-Toluidine	ND		10.0	1	10/13/2023 21:24	WG2148873
p-Phenylenediamine	ND	J4	387	1	10/13/2023 21:24	WG2148873
(S) Phenol-d5	*22.1*			*10.0-120*	*10/12/2023 18:36*	WG2148873
(S) 2,4,6-Tribromophenol	*48.4*			*10.0-155*	*10/12/2023 18:36*	WG2148873
(S) p-Terphenyl-d14	*72.4*			*10.0-128*	*10/12/2023 18:36*	WG2148873
(S) Nitrobenzene-d5	*65.6*			*10.0-127*	*10/12/2023 18:36*	WG2148873
(S) 2-Fluorobiphenyl	*60.3*			*10.0-130*	*10/12/2023 18:36*	WG2148873
(S) 2-Fluorophenol	*30.1*			*10.0-120*	*10/12/2023 18:36*	WG2148873

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

Analyte	Result	Units
pH (On Site)	6.47	su
Specific Conductance (on site)	1048	umhos/cm
Temperature (on-site)	17.5	Deg. C
Turbidity (on-site)	3.4	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	-37	mV
Depth to water (DTW) (FROM TOC)	59.58	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	510		10.0	1	10/11/2023 20:45	WG2149590

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	0.100		0.100	1	10/10/2023 15:52	WG2148271

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		4.00	1	10/07/2023 16:31	WG2147116

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cyanide	ND		0.0100	1	10/11/2023 15:29	WG2148826

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	24.2		3.00	1	10/14/2023 00:50	WG2149890
Sulfate	ND		5.00	1	10/14/2023 00:50	WG2149890

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.09		1.00	1	10/12/2023 18:55	WG2149942

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury,Total Recoverable	ND		0.000200	1	10/14/2023 11:04	WG2147401

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Barium,Total Recoverable	0.0673		0.00500	1	10/15/2023 11:59	WG2150984
Iron, Total Recoverable	3.82		0.0600	1	10/13/2023 01:28	WG2149104
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 01:28	WG2149104
Manganese,Total Recoverable	3.02		0.00300	1	10/13/2023 01:28	WG2149104
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 01:28	WG2149104

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 01:28	WG2149104
Tin, Total Recoverable	ND		0.100	1	10/13/2023 01:28	WG2149104

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Antimony, Total Recoverable	ND		0.00200	1	10/21/2023 15:56	WG2149123
Arsenic, Total Recoverable	ND		0.00500	1	10/21/2023 15:56	WG2149123
Beryllium, Total Recoverable	ND		0.00100	1	10/21/2023 15:56	WG2149123
Cadmium, Total Recoverable	ND		0.00100	1	10/21/2023 15:56	WG2149123
Chromium, Total Recoverable	ND		0.00300	1	10/21/2023 15:56	WG2149123
Cobalt,Total Recoverable	0.0351		0.00300	1	10/21/2023 15:56	WG2149123
Copper, Total Recoverable	ND		0.00400	1	10/21/2023 15:56	WG2149123
Nickel, Total Recoverable	0.0865		0.00400	1	10/21/2023 15:56	WG2149123
Thallium, Total Recoverable	ND		0.00100	1	10/21/2023 15:56	WG2149123
Vanadium,Total Recoverable	ND		0.00300	1	10/21/2023 15:56	WG2149123
Zinc, Total Recoverable	0.0996		0.00500	1	10/21/2023 15:56	WG2149123

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/11/2023 04:00	WG2148782
1,1,1-Trichloroethane	ND		1.00	1	10/11/2023 04:00	WG2148782
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/11/2023 04:00	WG2148782
1,1,2-Trichloroethane	ND	J4	1.00	1	10/11/2023 04:00	WG2148782
1,1-Dichloroethane	ND		1.00	1	10/11/2023 04:00	WG2148782
1,1-Dichloroethene	ND		1.00	1	10/11/2023 04:00	WG2148782
1,1-Dichloropropene	ND		1.00	1	10/11/2023 04:00	WG2148782
1,2,3-Trichloropropane	ND		1.00	1	10/11/2023 04:00	WG2148782
1,2-Dibromo-3-Chloropropane	ND		2.00	1	10/11/2023 04:00	WG2148782
1,2-Dibromoethane	ND		1.00	1	10/11/2023 04:00	WG2148782
1,2-Dichlorobenzene	ND		1.00	1	10/11/2023 04:00	WG2148782
1,2-Dichloroethane	ND		1.00	1	10/11/2023 04:00	WG2148782
1,2-Dichloropropane	ND		1.00	1	10/11/2023 04:00	WG2148782
1,3-Dichlorobenzene	ND		1.00	1	10/11/2023 04:00	WG2148782
1,3-Dichloropropane	ND		1.00	1	10/11/2023 04:00	WG2148782
1,4-Dichlorobenzene	1.88		1.00	1	10/11/2023 04:00	WG2148782
2,2-Dichloropropane	ND		5.00	1	10/11/2023 04:00	WG2148782
2-Butanone (MEK)	ND		5.00	1	10/11/2023 04:00	WG2148782
2-Hexanone	ND		5.00	1	10/11/2023 04:00	WG2148782
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/11/2023 04:00	WG2148782
Acetone	ND		11.3	1	10/11/2023 04:00	WG2148782
Acetonitrile	ND		30.0	1	10/11/2023 04:00	WG2148782
Acrolein	ND		20.0	1	10/11/2023 04:00	WG2148782
Acrylonitrile	ND		20.0	1	10/11/2023 04:00	WG2148782
Allyl chloride	ND		10.0	1	10/11/2023 04:00	WG2148782
Benzene	ND		1.00	1	10/11/2023 04:00	WG2148782
Bromochloromethane	ND		1.00	1	10/11/2023 04:00	WG2148782
Bromodichloromethane	ND		1.00	1	10/11/2023 04:00	WG2148782
Bromoform	ND		1.00	1	10/11/2023 04:00	WG2148782
Bromomethane	ND		1.00	1	10/11/2023 04:00	WG2148782
Carbon disulfide	ND		1.00	1	10/11/2023 04:00	WG2148782
Carbon tetrachloride	ND		1.00	1	10/11/2023 04:00	WG2148782
Chlorobenzene	ND		1.00	1	10/11/2023 04:00	WG2148782
Chloroethane	ND		1.00	1	10/11/2023 04:00	WG2148782

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Chloroform	ND		1.00	1	10/11/2023 04:00	WG2148782
Chloromethane	ND		1.00	1	10/11/2023 04:00	WG2148782
Chloroprene	ND		1.70	1	10/11/2023 04:00	WG2148782
Dibromochloromethane	ND	J4	1.00	1	10/11/2023 04:00	WG2148782
Dibromomethane	ND		1.00	1	10/11/2023 04:00	WG2148782
Dichlorodifluoromethane	ND		2.00	1	10/11/2023 04:00	WG2148782
Ethyl methacrylate	ND		3.00	1	10/11/2023 04:00	WG2148782
Ethylbenzene	ND		1.00	1	10/11/2023 04:00	WG2148782
Iodomethane	ND		1.00	1	10/11/2023 04:00	WG2148782
Isobutanol	ND		110	1	10/11/2023 04:00	WG2148782
Methacrylonitrile	ND		13.0	1	10/11/2023 04:00	WG2148782
Methyl methacrylate	ND		4.00	1	10/11/2023 04:00	WG2148782
Methylene Chloride	ND		1.07	1	10/11/2023 04:00	WG2148782
Propionitrile	ND		20.0	1	10/11/2023 04:00	WG2148782
Styrene	ND		1.00	1	10/11/2023 04:00	WG2148782
Tetrachloroethene	ND		1.00	1	10/11/2023 04:00	WG2148782
Toluene	ND		1.00	1	10/11/2023 04:00	WG2148782
Trichloroethene	ND		1.00	1	10/11/2023 04:00	WG2148782
Trichlorofluoromethane	ND		1.00	1	10/11/2023 04:00	WG2148782
Vinyl acetate	ND		5.00	1	10/11/2023 04:00	WG2148782
Vinyl chloride	ND		1.00	1	10/11/2023 04:00	WG2148782
Xylenes, Total	ND		1.00	1	10/11/2023 04:00	WG2148782
cis-1,2-Dichloroethene	ND		1.00	1	10/11/2023 04:00	WG2148782
cis-1,3-Dichloropropene	ND		1.00	1	10/11/2023 04:00	WG2148782
trans-1,2-Dichloroethene	ND		1.00	1	10/11/2023 04:00	WG2148782
trans-1,3-Dichloropropene	ND		1.00	1	10/11/2023 04:00	WG2148782
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/11/2023 04:00	WG2148782
(S) Toluene-d8	*107*			*80.0-120*	*10/11/2023 04:00*	WG2148782
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*	*10/11/2023 04:00*	WG2148782
(S) 4-Bromofluorobenzene	*93.4*			*77.0-126*	*10/11/2023 04:00*	WG2148782

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
2,4,5-T	ND		1.00	1	10/12/2023 01:59	WG2147800
2,4,5-Tp (Silvex)	ND		1.00	1	10/12/2023 01:59	WG2147800
2,4-D	ND		4.00	1	10/12/2023 01:59	WG2147800
(S) 2,4-Dichlorophenyl Acetic Acid	*86.1*			*14.0-158*	*10/12/2023 01:59*	WG2147800

Pesticides (GC) by Method 8081

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4,4-DDD	ND		0.0500	1	10/13/2023 01:51	WG2148878
4,4-DDE	ND		0.0500	1	10/13/2023 01:51	WG2148878
4,4-DDT	ND		0.0500	1	10/13/2023 01:51	WG2148878
Aldrin	ND		0.0500	1	10/13/2023 01:51	WG2148878
Alpha BHC	ND		0.0500	1	10/13/2023 01:51	WG2148878
Beta BHC	ND		0.500	1	10/13/2023 01:51	WG2148878
Chlordane	ND		0.500	1	10/13/2023 01:51	WG2148878
Delta BHC	ND		0.0500	1	10/13/2023 01:51	WG2148878
Dieldrin	ND		0.0500	1	10/13/2023 01:51	WG2148878
Endosulfan I	ND		0.0500	1	10/13/2023 01:51	WG2148878
Endosulfan II	ND		0.0500	1	10/13/2023 01:51	WG2148878
Endosulfan sulfate	ND		0.0500	1	10/13/2023 01:51	WG2148878
Endrin	ND		0.0500	1	10/13/2023 01:51	WG2148878

Pesticides (GC) by Method 8081

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Endrin aldehyde	ND		0.0500	1	10/13/2023 01:51	WG2148878
Gamma BHC	ND		0.0500	1	10/13/2023 01:51	WG2148878
Heptachlor	ND		0.0500	1	10/13/2023 01:51	WG2148878
Heptachlor epoxide	ND		0.0500	1	10/13/2023 01:51	WG2148878
Methoxychlor	ND		0.100	1	10/13/2023 01:51	WG2148878
Toxaphene	ND		5.00	1	10/13/2023 01:51	WG2148878
(S) Decachlorobiphenyl	*23.8*			*10.0-128*	*10/13/2023 01:51*	WG2148878
(S) Tetrachloro-m-xylene	*59.1*			*10.0-127*	*10/13/2023 01:51*	WG2148878

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
PCB 1016	ND	J3	1.00	1	10/13/2023 01:51	WG2148878
PCB 1221	ND		1.00	1	10/13/2023 01:51	WG2148878
PCB 1232	ND		1.00	1	10/13/2023 01:51	WG2148878
PCB 1242	ND		1.00	1	10/13/2023 01:51	WG2148878
PCB 1248	ND		1.00	1	10/13/2023 01:51	WG2148878
PCB 1254	ND		1.00	1	10/13/2023 01:51	WG2148878
PCB 1260	ND	J3	1.00	1	10/13/2023 01:51	WG2148878
(S) Decachlorobiphenyl	*29.6*			*10.0-128*	*10/13/2023 01:51*	WG2148878
(S) Tetrachloro-m-xylene	*62.3*			*10.0-127*	*10/13/2023 01:51*	WG2148878

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	10/12/2023 18:58	WG2148873
1,2,4-Trichlorobenzene	ND		10.0	1	10/12/2023 18:58	WG2148873
1,3,5-Trinitrobenzene	ND		50.0	1	10/13/2023 21:59	WG2148873
1,3-Dinitrobenzene	ND		10.0	1	10/13/2023 21:59	WG2148873
1,4-Naphthoquinone	ND	J4	50.0	1	10/13/2023 21:59	WG2148873
1-Naphthylamine	ND		10.0	1	10/13/2023 21:59	WG2148873
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	10/12/2023 18:58	WG2148873
2,3,4,6-Tetrachlorophenol	ND		50.0	1	10/12/2023 18:58	WG2148873
2,4,5-Trichlorophenol	ND		10.0	1	10/12/2023 18:58	WG2148873
2,4,6-Trichlorophenol	ND		10.0	1	10/12/2023 18:58	WG2148873
2,4-Dichlorophenol	ND		10.0	1	10/12/2023 18:58	WG2148873
2,4-Dimethylphenol	ND		10.0	1	10/12/2023 18:58	WG2148873
2,4-Dinitrophenol	ND		50.0	1	10/12/2023 18:58	WG2148873
2,4-Dinitrotoluene	ND		10.0	1	10/12/2023 18:58	WG2148873
2,6-Dichlorophenol	ND		10.0	1	10/13/2023 21:59	WG2148873
2,6-Dinitrotoluene	ND		10.0	1	10/12/2023 18:58	WG2148873
2-Acetylaminofluorene	ND		100	1	10/13/2023 21:59	WG2148873
2-Chloronaphthalene	ND		10.0	1	10/12/2023 18:58	WG2148873
2-Chlorophenol	ND		10.0	1	10/12/2023 18:58	WG2148873
2-Methylnaphthalene	ND		10.0	1	10/12/2023 18:58	WG2148873
2-Methylphenol	ND		10.0	1	10/12/2023 18:58	WG2148873
2-Naphthylamine	ND		10.0	1	10/13/2023 21:59	WG2148873
2-Nitroaniline	ND		50.0	1	10/12/2023 18:58	WG2148873
2-Nitrophenol	ND		10.0	1	10/12/2023 18:58	WG2148873
3&4-Methyl Phenol	ND		10.0	1	10/12/2023 18:58	WG2148873
3,3-Dichlorobenzidine	ND		50.0	1	10/12/2023 18:58	WG2148873
3,3-Dimethylbenzidine	ND	J4	20.0	1	10/13/2023 21:59	WG2148873
3-Methylcholanthrene	ND		20.0	1	10/13/2023 21:59	WG2148873
3-Nitroaniline	ND		50.0	1	10/12/2023 18:58	WG2148873
4,6-Dinitro-2-methylphenol	ND		50.0	1	10/12/2023 18:58	WG2148873

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4-Aminobiphenyl	ND		10.0	1	10/13/2023 21:59	WG2148873
4-Bromophenyl-phenylether	ND		50.0	1	10/12/2023 18:58	WG2148873
4-Chloro-3-methylphenol	ND		10.0	1	10/12/2023 18:58	WG2148873
4-Chloroaniline	ND		10.0	1	10/12/2023 18:58	WG2148873
4-Chlorophenyl-phenylether	ND		10.0	1	10/12/2023 18:58	WG2148873
4-Nitroaniline	ND		50.0	1	10/12/2023 18:58	WG2148873
4-Nitrophenol	ND		50.0	1	10/12/2023 18:58	WG2148873
5-Nitro-o-toluidine	ND		20.0	1	10/13/2023 21:59	WG2148873
Acenaphthene	ND		10.0	1	10/12/2023 18:58	WG2148873
Acenaphthylene	ND		10.0	1	10/12/2023 18:58	WG2148873
Acetophenone	ND		10.0	1	10/12/2023 18:58	WG2148873
Anthracene	ND		10.0	1	10/12/2023 18:58	WG2148873
Benzo(A)Anthracene	ND		10.0	1	10/12/2023 18:58	WG2148873
Benzo(a)pyrene	ND		10.0	1	10/12/2023 18:58	WG2148873
Benzo(b)fluoranthene	ND		10.0	1	10/12/2023 18:58	WG2148873
Benzo(g,h,i)perylene	ND		10.0	1	10/12/2023 18:58	WG2148873
Benzo(k)fluoranthene	ND		10.0	1	10/12/2023 18:58	WG2148873
Benzyl Alcohol	ND		10.0	1	10/12/2023 18:58	WG2148873
Benzylbutyl phthalate	ND		10.0	1	10/12/2023 18:58	WG2148873
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	10/12/2023 18:58	WG2148873
Bis(2-chlorethoxy)methane	ND		10.0	1	10/12/2023 18:58	WG2148873
Bis(2-chloroethyl)ether	ND		10.0	1	10/12/2023 18:58	WG2148873
Chlorobenzilate	ND		10.0	1	10/13/2023 21:59	WG2148873
Chrysene	ND		10.0	1	10/12/2023 18:58	WG2148873
Di-n-butyl phthalate	ND		10.0	1	10/12/2023 18:58	WG2148873
Di-n-octyl phthalate	ND		10.0	1	10/12/2023 18:58	WG2148873
Diallate	ND		20.0	1	10/13/2023 21:59	WG2148873
Dibenz(a,h)anthracene	ND		20.0	1	10/12/2023 18:58	WG2148873
Dibenzofuran	ND		10.0	1	10/12/2023 18:58	WG2148873
Diethyl phthalate	ND		10.0	1	10/12/2023 18:58	WG2148873
Dimethoate	ND		20.0	1	10/13/2023 21:59	WG2148873
Dimethyl phthalate	ND		10.0	1	10/12/2023 18:58	WG2148873
Dimethylbenz (A) Anthracene	ND		20.0	1	10/13/2023 21:59	WG2148873
Dinoseb	ND		17.9	1	10/13/2023 21:59	WG2148873
Diphenylamine	ND		10.0	1	10/12/2023 18:58	WG2148873
Disulfoton	ND		50.0	1	10/13/2023 21:59	WG2148873
Ethyl methanesulfonate	ND		10.0	1	10/13/2023 21:59	WG2148873
Ethyl parathion	ND		50.0	1	10/13/2023 21:59	WG2148873
Famphur	ND		200	1	10/13/2023 21:59	WG2148873
Fluoranthene	ND		1.00	1	10/12/2023 18:58	WG2148873
Fluorene	ND		10.0	1	10/12/2023 18:58	WG2148873
Hexachloro-1,3-butadiene	ND		10.0	1	10/12/2023 18:58	WG2148873
Hexachlorobenzene	ND		10.0	1	10/12/2023 18:58	WG2148873
Hexachlorocyclopentadiene	ND		50.0	1	10/12/2023 18:58	WG2148873
Hexachloroethane	ND		10.0	1	10/12/2023 18:58	WG2148873
Hexachloropropene	ND		100	1	10/13/2023 21:59	WG2148873
Indeno(1,2,3-cd)pyrene	ND		10.0	1	10/12/2023 18:58	WG2148873
Isodrin	ND		10.0	1	10/13/2023 21:59	WG2148873
Isophorone	ND		10.0	1	10/12/2023 18:58	WG2148873
Isosafrole	ND		20.0	1	10/13/2023 21:59	WG2148873
Kepone	ND		1.88	1	10/13/2023 21:59	WG2148873
Methapyrilene	ND		50.0	1	10/13/2023 21:59	WG2148873
Methyl methanesulfonate	ND		50.0	1	10/13/2023 21:59	WG2148873
Methyl parathion	ND		10.0	1	10/13/2023 21:59	WG2148873
Naphthalene	ND		10.0	1	10/12/2023 18:58	WG2148873
Nitrobenzene	ND		10.0	1	10/12/2023 18:58	WG2148873

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	10/13/2023 21:59	WG2148873
P-(Dimethylamino) Azobenzene	ND		20.0	1	10/13/2023 21:59	WG2148873
Pentachlorobenzene	ND		10.0	1	10/13/2023 21:59	WG2148873
Pentachloronitrobenzene	ND		50.0	1	10/13/2023 21:59	WG2148873
Pentachlorophenol	ND		50.0	1	10/12/2023 18:58	WG2148873
Phenacetin	ND		10.0	1	10/13/2023 21:59	WG2148873
Phenanthrene	ND		20.0	1	10/12/2023 18:58	WG2148873
Phenol	ND		10.0	1	10/12/2023 18:58	WG2148873
Phorate	ND		50.0	1	10/13/2023 21:59	WG2148873
Pronamide	ND		20.0	1	10/13/2023 21:59	WG2148873
Pyrene	ND		10.0	1	10/12/2023 18:58	WG2148873
Safrole	ND		50.0	1	10/13/2023 21:59	WG2148873
Thionazin	ND		10.0	1	10/13/2023 21:59	WG2148873
n-Nitrosodi-n-butylamine	ND		10.0	1	10/13/2023 21:59	WG2148873
n-Nitrosodi-n-propylamine	ND		10.0	1	10/12/2023 18:58	WG2148873
n-Nitrosodiethylamine	ND		10.0	1	10/13/2023 21:59	WG2148873
n-Nitrosodimethylamine	ND		10.0	1	10/12/2023 18:58	WG2148873
n-Nitrosodiphenylamine	ND		10.0	1	10/12/2023 18:58	WG2148873
n-Nitrosomethylethylamine	ND		10.0	1	10/13/2023 21:59	WG2148873
n-Nitrosopiperidine	ND		10.0	1	10/13/2023 21:59	WG2148873
n-Nitrosopyrrolidine	ND		10.0	1	10/13/2023 21:59	WG2148873
o-Toluidine	ND		10.0	1	10/13/2023 21:59	WG2148873
p-Phenylenediamine	ND	J4	387	1	10/13/2023 21:59	WG2148873
(S) Phenol-d5	*17.9*			*10.0-120*	*10/12/2023 18:58*	WG2148873
(S) 2,4,6-Tribromophenol	*44.5*			*10.0-155*	*10/12/2023 18:58*	WG2148873
(S) p-Terphenyl-d14	*64.4*			*10.0-128*	*10/12/2023 18:58*	WG2148873
(S) Nitrobenzene-d5	*55.4*			*10.0-127*	*10/12/2023 18:58*	WG2148873
(S) 2-Fluorobiphenyl	*56.9*			*10.0-130*	*10/12/2023 18:58*	WG2148873
(S) 2-Fluorophenol	*23.8*			*10.0-120*	*10/12/2023 18:58*	WG2148873

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)	750	umhos/cm
Temperature (on-site)	19.7	Deg. C
Turbidity (on-site)	2.9	NTU
Dissolved Oxygen (on-site)	3.8	mg/l
eH/ORP (On Site)	64.3	mV
Depth to water (DTW) (FROM TOC)	56.6	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	10/10/2023 15:53	WG2148271

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	5.64		3.00	1	10/14/2023 01:04	WG2149890

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

Analyte	Result	Units
pH (On Site)	6.91	su
Specific Conductance (on site)	746	umhos/cm
Temperature (on-site)	14.7	Deg. C
Turbidity (on-site)	2.8	NTU
Dissolved Oxygen (on-site)	1	mg/l
eH/ORP (On Site)	52.7	mV
Depth to water (DTW) (FROM TOC)	47.64	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	337		10.0	1	10/15/2023 08:14	WG2150609

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	13.4		3.00	1	10/14/2023 01:18	WG2149890
Sulfate	ND		5.00	1	10/14/2023 01:18	WG2149890

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	10/12/2023 20:17	WG2149942

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 01:31	WG2149104
Barium,Total Recoverable	0.0548		0.00500	1	10/15/2023 12:02	WG2150984
Iron, Total Recoverable	ND		0.0600	1	10/15/2023 12:02	WG2150984
Manganese,Total Recoverable	0.0124		0.00300	1	10/15/2023 12:02	WG2150984
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 01:31	WG2149104
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 01:31	WG2149104

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	10/21/2023 16:00	WG2149123
Beryllium, Total Recoverable	ND		0.00100	1	10/21/2023 16:00	WG2149123
Cadmium, Total Recoverable	ND		0.00100	1	10/21/2023 16:00	WG2149123
Cobalt,Total Recoverable	ND		0.00300	1	10/21/2023 16:00	WG2149123
Chromium, Total Recoverable	ND		0.00300	1	10/21/2023 16:00	WG2149123
Copper, Total Recoverable	ND		0.00400	1	10/21/2023 16:00	WG2149123
Nickel, Total Recoverable	ND		0.00400	1	10/21/2023 16:00	WG2149123
Antimony, Total Recoverable	ND		0.00200	1	10/21/2023 16:00	WG2149123
Thallium, Total Recoverable	ND		0.00100	1	10/21/2023 16:00	WG2149123
Vanadium,Total Recoverable	ND		0.00300	1	10/21/2023 16:00	WG2149123
Zinc, Total Recoverable	ND		0.00500	1	10/21/2023 16:00	WG2149123

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/10/2023 06:05	WG2148115
1,1,1-Trichloroethane	ND		1.00	1	10/10/2023 06:05	WG2148115
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/10/2023 06:05	WG2148115
1,1,2-Trichloroethane	ND		1.00	1	10/10/2023 06:05	WG2148115
1,1-Dichloroethane	ND		1.00	1	10/10/2023 06:05	WG2148115
1,1-Dichloroethene	ND		1.00	1	10/10/2023 06:05	WG2148115
1,2,3-Trichloropropane	ND		1.00	1	10/10/2023 06:05	WG2148115
1,2-Dibromo-3-Chloropropane	ND	J3	2.00	1	10/10/2023 06:05	WG2148115
1,2-Dibromoethane	ND		1.00	1	10/10/2023 06:05	WG2148115
1,2-Dichlorobenzene	ND		1.00	1	10/10/2023 06:05	WG2148115
1,2-Dichloroethane	ND		1.00	1	10/10/2023 06:05	WG2148115
1,2-Dichloropropane	ND		1.00	1	10/10/2023 06:05	WG2148115
1,4-Dichlorobenzene	ND		1.00	1	10/10/2023 06:05	WG2148115
2-Butanone (MEK)	ND	J3	5.00	1	10/10/2023 06:05	WG2148115
2-Hexanone	ND		5.00	1	10/10/2023 06:05	WG2148115
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/10/2023 06:05	WG2148115
Acetone	ND		10.0	1	10/10/2023 06:05	WG2148115
Acrylonitrile	ND		20.0	1	10/10/2023 06:05	WG2148115
Benzene	ND		1.00	1	10/10/2023 06:05	WG2148115
Bromochloromethane	ND		1.00	1	10/10/2023 06:05	WG2148115
Bromodichloromethane	ND		1.00	1	10/10/2023 06:05	WG2148115
Bromoform	ND		1.00	1	10/10/2023 06:05	WG2148115
Bromomethane	ND		1.00	1	10/10/2023 06:05	WG2148115
Carbon disulfide	ND		1.00	1	10/10/2023 06:05	WG2148115
Carbon tetrachloride	ND		1.00	1	10/10/2023 06:05	WG2148115
Chlorobenzene	ND		1.00	1	10/10/2023 06:05	WG2148115
Chloroethane	ND		1.00	1	10/10/2023 06:05	WG2148115
Chloroform	ND		1.00	1	10/10/2023 06:05	WG2148115
Chloromethane	ND		1.00	1	10/10/2023 06:05	WG2148115
Dibromochloromethane	ND		1.00	1	10/10/2023 06:05	WG2148115
Dibromomethane	ND		1.00	1	10/10/2023 06:05	WG2148115
Ethylbenzene	ND		1.00	1	10/10/2023 06:05	WG2148115
Iodomethane	ND		1.00	1	10/10/2023 06:05	WG2148115
Methylene Chloride	ND		1.07	1	10/10/2023 06:05	WG2148115
Styrene	ND		1.00	1	10/10/2023 06:05	WG2148115
Tetrachloroethene	ND		1.00	1	10/10/2023 06:05	WG2148115
Toluene	ND		1.00	1	10/10/2023 06:05	WG2148115
Trichloroethene	ND		1.00	1	10/10/2023 06:05	WG2148115
Trichlorofluoromethane	ND		1.00	1	10/10/2023 06:05	WG2148115
Vinyl acetate	ND		5.00	1	10/10/2023 06:05	WG2148115
Vinyl chloride	ND		1.00	1	10/10/2023 06:05	WG2148115
Xylenes, Total	ND		1.00	1	10/10/2023 06:05	WG2148115
cis-1,2-Dichloroethene	ND		1.00	1	10/10/2023 06:05	WG2148115
cis-1,3-Dichloropropene	ND		1.00	1	10/10/2023 06:05	WG2148115
trans-1,2-Dichloroethene	ND		1.00	1	10/10/2023 06:05	WG2148115
trans-1,3-Dichloropropene	ND		1.00	1	10/10/2023 06:05	WG2148115
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/10/2023 06:05	WG2148115
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*	*10/10/2023 06:05*	WG2148115
(S) 4-Bromofluorobenzene	*105*			*77.0-126*	*10/10/2023 06:05*	WG2148115
(S) Toluene-d8	*97.1*			*80.0-120*	*10/10/2023 06:05*	WG2148115

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)	788	umhos/cm
Temperature (on-site)	15.2	Deg. C
Turbidity (on-site)	3.2	NTU
Dissolved Oxygen (on-site)	0.5	mg/l
eH/ORP (On Site)	110.5	mV
Depth to water (DTW) (FROM TOC)	43.88	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	341		10.0	1	10/15/2023 08:14	WG2150609

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	7.18		3.00	1	10/14/2023 01:31	WG2149890
Sulfate	13.9		5.00	1	10/14/2023 01:31	WG2149890

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	10/12/2023 20:34	WG2149942

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 01:34	WG2149104
Barium,Total Recoverable	0.0741		0.00500	1	10/13/2023 01:34	WG2149104
Iron, Total Recoverable	ND		0.0600	1	10/13/2023 01:34	WG2149104
Manganese,Total Recoverable	0.141		0.00300	1	10/15/2023 12:04	WG2150984
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 01:34	WG2149104
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 01:34	WG2149104

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	10/21/2023 16:03	WG2149123
Beryllium, Total Recoverable	ND		0.00100	1	10/21/2023 16:03	WG2149123
Cadmium, Total Recoverable	0.0107		0.00100	1	10/21/2023 16:03	WG2149123
Cobalt,Total Recoverable	ND		0.00300	1	10/21/2023 16:03	WG2149123
Chromium, Total Recoverable	ND		0.00300	1	10/21/2023 16:03	WG2149123
Copper, Total Recoverable	ND		0.00400	1	10/21/2023 16:03	WG2149123
Nickel, Total Recoverable	0.0122		0.00400	1	10/21/2023 16:03	WG2149123
Antimony, Total Recoverable	ND		0.00200	1	10/21/2023 16:03	WG2149123
Thallium, Total Recoverable	ND		0.00100	1	10/21/2023 16:03	WG2149123
Vanadium,Total Recoverable	ND		0.00300	1	10/21/2023 16:03	WG2149123
Zinc, Total Recoverable	0.0593		0.00500	1	10/21/2023 16:03	WG2149123

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/10/2023 06:24	WG2148115
1,1,1-Trichloroethane	ND		1.00	1	10/10/2023 06:24	WG2148115
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/10/2023 06:24	WG2148115
1,1,2-Trichloroethane	ND		1.00	1	10/10/2023 06:24	WG2148115
1,1-Dichloroethane	ND		1.00	1	10/10/2023 06:24	WG2148115
1,1-Dichloroethene	ND		1.00	1	10/10/2023 06:24	WG2148115
1,2,3-Trichloropropane	ND		1.00	1	10/10/2023 06:24	WG2148115
1,2-Dibromo-3-Chloropropane	ND	J3	2.00	1	10/10/2023 06:24	WG2148115
1,2-Dibromoethane	ND		1.00	1	10/10/2023 06:24	WG2148115
1,2-Dichlorobenzene	ND		1.00	1	10/10/2023 06:24	WG2148115
1,2-Dichloroethane	ND		1.00	1	10/10/2023 06:24	WG2148115
1,2-Dichloropropane	ND		1.00	1	10/10/2023 06:24	WG2148115
1,4-Dichlorobenzene	ND		1.00	1	10/10/2023 06:24	WG2148115
2-Butanone (MEK)	ND	J3	5.00	1	10/10/2023 06:24	WG2148115
2-Hexanone	ND		5.00	1	10/10/2023 06:24	WG2148115
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/10/2023 06:24	WG2148115
Acetone	ND		10.0	1	10/10/2023 06:24	WG2148115
Acrylonitrile	ND		20.0	1	10/10/2023 06:24	WG2148115
Benzene	ND		1.00	1	10/10/2023 06:24	WG2148115
Bromochloromethane	ND		1.00	1	10/10/2023 06:24	WG2148115
Bromodichloromethane	ND		1.00	1	10/10/2023 06:24	WG2148115
Bromoform	ND		1.00	1	10/10/2023 06:24	WG2148115
Bromomethane	ND		1.00	1	10/10/2023 06:24	WG2148115
Carbon disulfide	ND		1.00	1	10/10/2023 06:24	WG2148115
Carbon tetrachloride	ND		1.00	1	10/10/2023 06:24	WG2148115
Chlorobenzene	ND		1.00	1	10/10/2023 06:24	WG2148115
Chloroethane	ND		1.00	1	10/10/2023 06:24	WG2148115
Chloroform	ND		1.00	1	10/10/2023 06:24	WG2148115
Chloromethane	ND		1.00	1	10/10/2023 06:24	WG2148115
Dibromochloromethane	ND		1.00	1	10/10/2023 06:24	WG2148115
Dibromomethane	ND		1.00	1	10/10/2023 06:24	WG2148115
Ethylbenzene	ND		1.00	1	10/10/2023 06:24	WG2148115
Iodomethane	ND		1.00	1	10/10/2023 06:24	WG2148115
Methylene Chloride	ND		1.07	1	10/10/2023 06:24	WG2148115
Styrene	ND		1.00	1	10/10/2023 06:24	WG2148115
Tetrachloroethene	ND		1.00	1	10/10/2023 06:24	WG2148115
Toluene	ND		1.00	1	10/10/2023 06:24	WG2148115
Trichloroethene	ND		1.00	1	10/10/2023 06:24	WG2148115
Trichlorofluoromethane	ND		1.00	1	10/10/2023 06:24	WG2148115
Vinyl acetate	ND		5.00	1	10/10/2023 06:24	WG2148115
Vinyl chloride	ND		1.00	1	10/10/2023 06:24	WG2148115
Xylenes, Total	ND		1.00	1	10/10/2023 06:24	WG2148115
cis-1,2-Dichloroethene	ND		1.00	1	10/10/2023 06:24	WG2148115
cis-1,3-Dichloropropene	ND		1.00	1	10/10/2023 06:24	WG2148115
trans-1,2-Dichloroethene	ND		1.00	1	10/10/2023 06:24	WG2148115
trans-1,3-Dichloropropene	ND		1.00	1	10/10/2023 06:24	WG2148115
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/10/2023 06:24	WG2148115
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*	*10/10/2023 06:24*	WG2148115
(S) 4-Bromofluorobenzene	*107*			*77.0-126*	*10/10/2023 06:24*	WG2148115
(S) Toluene-d8	*96.9*			*80.0-120*	*10/10/2023 06:24*	WG2148115

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

Analyte	Result	Units
pH (On Site)	6.41	su
Specific Conductance (on site)	642	umhos/cm
Temperature (on-site)	17.8	Deg. C
Turbidity (on-site)	3.7	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	91.8	mV
Depth to water (DTW) (FROM TOC)	29.98	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	251		10.0	1	10/11/2023 14:20	WG2149295

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		4.00	1	10/07/2023 16:31	WG2147116

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cyanide	ND		0.0100	1	10/11/2023 15:30	WG2148826

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	30.5		3.00	1	10/14/2023 01:45	WG2149890
Sulfate	18.9		5.00	1	10/14/2023 01:45	WG2149890

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.46		1.00	1	10/12/2023 21:13	WG2149942

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury,Total Recoverable	ND		0.000200	1	10/14/2023 11:06	WG2147401

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Barium,Total Recoverable	0.137		0.00500	1	10/13/2023 01:37	WG2149104
Iron, Total Recoverable	ND		0.0600	1	10/13/2023 01:37	WG2149104
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 01:37	WG2149104
Manganese,Total Recoverable	2.40		0.00300	1	10/13/2023 01:37	WG2149104
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 01:37	WG2149104
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 01:37	WG2149104
Tin, Total Recoverable	ND		0.100	1	10/13/2023 01:37	WG2149104

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Antimony, Total Recoverable	ND		0.00200	1	10/21/2023 16:06	WG2149123
Arsenic, Total Recoverable	ND		0.00500	1	10/21/2023 16:06	WG2149123
Beryllium, Total Recoverable	ND		0.00100	1	10/21/2023 16:06	WG2149123
Cadmium, Total Recoverable	0.00658		0.00100	1	10/21/2023 16:06	WG2149123
Chromium, Total Recoverable	ND		0.00300	1	10/21/2023 16:06	WG2149123
Cobalt,Total Recoverable	ND		0.00300	1	10/21/2023 16:06	WG2149123
Copper, Total Recoverable	ND		0.00400	1	10/21/2023 16:06	WG2149123
Nickel, Total Recoverable	0.0183		0.00400	1	10/21/2023 16:06	WG2149123
Thallium, Total Recoverable	ND		0.00100	1	10/21/2023 16:06	WG2149123
Vanadium,Total Recoverable	ND		0.00300	1	10/21/2023 16:06	WG2149123
Zinc, Total Recoverable	0.0107	J	0.00500	1	10/21/2023 16:06	WG2149123

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/11/2023 04:21	WG2148782
1,1,1-Trichloroethane	ND		1.00	1	10/11/2023 04:21	WG2148782
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/11/2023 04:21	WG2148782
1,1,2-Trichloroethane	ND	J4	1.00	1	10/11/2023 04:21	WG2148782
1,1-Dichloroethane	ND		1.00	1	10/11/2023 04:21	WG2148782
1,1-Dichloroethene	ND		1.00	1	10/11/2023 04:21	WG2148782
1,1-Dichloropropene	ND		1.00	1	10/11/2023 04:21	WG2148782
1,2,3-Trichloropropane	ND		1.00	1	10/11/2023 04:21	WG2148782
1,2-Dibromo-3-Chloropropane	ND		2.00	1	10/11/2023 04:21	WG2148782
1,2-Dibromoethane	ND		1.00	1	10/11/2023 04:21	WG2148782
1,2-Dichlorobenzene	ND		1.00	1	10/11/2023 04:21	WG2148782
1,2-Dichloroethane	ND		1.00	1	10/11/2023 04:21	WG2148782
1,2-Dichloropropane	ND		1.00	1	10/11/2023 04:21	WG2148782
1,3-Dichlorobenzene	ND		1.00	1	10/11/2023 04:21	WG2148782
1,3-Dichloropropane	ND		1.00	1	10/11/2023 04:21	WG2148782
1,4-Dichlorobenzene	ND		1.00	1	10/11/2023 04:21	WG2148782
2,2-Dichloropropane	ND		5.00	1	10/11/2023 04:21	WG2148782
2-Butanone (MEK)	ND		5.00	1	10/11/2023 04:21	WG2148782
2-Hexanone	ND		5.00	1	10/11/2023 04:21	WG2148782
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/11/2023 04:21	WG2148782
Acetone	ND		11.3	1	10/11/2023 04:21	WG2148782
Acetonitrile	ND		30.0	1	10/11/2023 04:21	WG2148782
Acrolein	ND		20.0	1	10/11/2023 04:21	WG2148782
Acrylonitrile	ND		20.0	1	10/11/2023 04:21	WG2148782
Allyl chloride	ND		10.0	1	10/11/2023 04:21	WG2148782
Benzene	ND		1.00	1	10/11/2023 04:21	WG2148782
Bromochloromethane	ND		1.00	1	10/11/2023 04:21	WG2148782
Bromodichloromethane	ND		1.00	1	10/11/2023 04:21	WG2148782
Bromoform	ND		1.00	1	10/11/2023 04:21	WG2148782
Bromomethane	ND		1.00	1	10/11/2023 04:21	WG2148782
Carbon disulfide	ND		1.00	1	10/11/2023 04:21	WG2148782
Carbon tetrachloride	ND		1.00	1	10/11/2023 04:21	WG2148782
Chlorobenzene	ND		1.00	1	10/11/2023 04:21	WG2148782
Chloroethane	ND		1.00	1	10/11/2023 04:21	WG2148782
Chloroform	ND		1.00	1	10/11/2023 04:21	WG2148782
Chloromethane	ND		1.00	1	10/11/2023 04:21	WG2148782
Chloroprene	ND		1.70	1	10/11/2023 04:21	WG2148782
Dibromochloromethane	ND	J4	1.00	1	10/11/2023 04:21	WG2148782
Dibromomethane	ND		1.00	1	10/11/2023 04:21	WG2148782
Dichlorodifluoromethane	ND		2.00	1	10/11/2023 04:21	WG2148782
Ethyl methacrylate	ND		3.00	1	10/11/2023 04:21	WG2148782

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Ethylbenzene	ND		1.00	1	10/11/2023 04:21	WG2148782
Iodomethane	ND		1.00	1	10/11/2023 04:21	WG2148782
Isobutanol	ND		110	1	10/11/2023 04:21	WG2148782
Methacrylonitrile	ND		13.0	1	10/11/2023 04:21	WG2148782
Methyl methacrylate	ND		4.00	1	10/11/2023 04:21	WG2148782
Methylene Chloride	ND		1.07	1	10/11/2023 04:21	WG2148782
Propionitrile	ND		20.0	1	10/11/2023 04:21	WG2148782
Styrene	ND		1.00	1	10/11/2023 04:21	WG2148782
Tetrachloroethene	ND		1.00	1	10/11/2023 04:21	WG2148782
Toluene	ND		1.00	1	10/11/2023 04:21	WG2148782
Trichloroethene	ND		1.00	1	10/11/2023 04:21	WG2148782
Trichlorofluoromethane	ND		1.00	1	10/11/2023 04:21	WG2148782
Vinyl acetate	ND		5.00	1	10/11/2023 04:21	WG2148782
Vinyl chloride	ND		1.00	1	10/11/2023 04:21	WG2148782
Xylenes, Total	ND		1.00	1	10/11/2023 04:21	WG2148782
cis-1,2-Dichloroethene	ND		1.00	1	10/11/2023 04:21	WG2148782
cis-1,3-Dichloropropene	ND		1.00	1	10/11/2023 04:21	WG2148782
trans-1,2-Dichloroethene	ND		1.00	1	10/11/2023 04:21	WG2148782
trans-1,3-Dichloropropene	ND		1.00	1	10/11/2023 04:21	WG2148782
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/11/2023 04:21	WG2148782
(S) Toluene-d8	*108*			*80.0-120*	*10/11/2023 04:21*	WG2148782
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*	*10/11/2023 04:21*	WG2148782
(S) 4-Bromofluorobenzene	*92.2*			*77.0-126*	*10/11/2023 04:21*	WG2148782

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
2,4,5-T	ND		1.00	1	10/12/2023 02:10	WG2147800
2,4,5-Tp (Silvex)	ND		1.00	1	10/12/2023 02:10	WG2147800
2,4-D	ND		4.00	1	10/12/2023 02:10	WG2147800
(S) 2,4-Dichlorophenyl Acetic Acid	*88.2*			*14.0-158*	*10/12/2023 02:10*	WG2147800

Pesticides (GC) by Method 8081

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4,4-DDD	ND		0.0500	1	10/13/2023 02:00	WG2148878
4,4-DDE	ND		0.0500	1	10/13/2023 02:00	WG2148878
4,4-DDT	ND		0.0500	1	10/13/2023 02:00	WG2148878
Aldrin	ND		0.0500	1	10/13/2023 02:00	WG2148878
Alpha BHC	ND		0.0500	1	10/13/2023 02:00	WG2148878
Beta BHC	ND		0.500	1	10/13/2023 02:00	WG2148878
Chlordane	ND		0.500	1	10/13/2023 02:00	WG2148878
Delta BHC	ND		0.0500	1	10/13/2023 02:00	WG2148878
Dieldrin	ND		0.0500	1	10/13/2023 02:00	WG2148878
Endosulfan I	ND		0.0500	1	10/13/2023 02:00	WG2148878
Endosulfan II	ND		0.0500	1	10/13/2023 02:00	WG2148878
Endosulfan sulfate	ND		0.0500	1	10/13/2023 02:00	WG2148878
Endrin	ND		0.0500	1	10/13/2023 02:00	WG2148878
Endrin aldehyde	ND		0.0500	1	10/13/2023 02:00	WG2148878
Gamma BHC	ND		0.0500	1	10/13/2023 02:00	WG2148878
Heptachlor	ND		0.0500	1	10/13/2023 02:00	WG2148878
Heptachlor epoxide	ND		0.0500	1	10/13/2023 02:00	WG2148878
Methoxychlor	ND		0.100	1	10/13/2023 02:00	WG2148878
Toxaphene	ND		5.00	1	10/13/2023 02:00	WG2148878
(S) Decachlorobiphenyl	*37.9*			*10.0-128*	*10/13/2023 02:00*	WG2148878

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
(S) Tetrachloro-m-xylene	*66.8*			*10.0-127*	*10/13/2023 02:00*	WG2148878

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND	J3	1.00	1	10/13/2023 02:00	WG2148878
PCB 1221	ND		1.00	1	10/13/2023 02:00	WG2148878
PCB 1232	ND		1.00	1	10/13/2023 02:00	WG2148878
PCB 1242	ND		1.00	1	10/13/2023 02:00	WG2148878
PCB 1248	ND		1.00	1	10/13/2023 02:00	WG2148878
PCB 1254	ND		1.00	1	10/13/2023 02:00	WG2148878
PCB 1260	ND	J3	1.00	1	10/13/2023 02:00	WG2148878
(S) Decachlorobiphenyl	*45.7*			*10.0-128*	*10/13/2023 02:00*	WG2148878
(S) Tetrachloro-m-xylene	*69.7*			*10.0-127*	*10/13/2023 02:00*	WG2148878

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	10/12/2023 19:20	WG2148873
1,2,4-Trichlorobenzene	ND		10.0	1	10/12/2023 19:20	WG2148873
1,3,5-Trinitrobenzene	ND		50.0	1	10/13/2023 22:16	WG2148873
1,3-Dinitrobenzene	ND		10.0	1	10/13/2023 22:16	WG2148873
1,4-Naphthoquinone	ND	J4	50.0	1	10/13/2023 22:16	WG2148873
1-Naphthylamine	ND		10.0	1	10/13/2023 22:16	WG2148873
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	10/12/2023 19:20	WG2148873
2,3,4,6-Tetrachlorophenol	ND		50.0	1	10/12/2023 19:20	WG2148873
2,4,5-Trichlorophenol	ND		10.0	1	10/12/2023 19:20	WG2148873
2,4,6-Trichlorophenol	ND		10.0	1	10/12/2023 19:20	WG2148873
2,4-Dichlorophenol	ND		10.0	1	10/12/2023 19:20	WG2148873
2,4-Dimethylphenol	ND		10.0	1	10/12/2023 19:20	WG2148873
2,4-Dinitrophenol	ND		50.0	1	10/12/2023 19:20	WG2148873
2,4-Dinitrotoluene	ND		10.0	1	10/12/2023 19:20	WG2148873
2,6-Dichlorophenol	ND		10.0	1	10/13/2023 22:16	WG2148873
2,6-Dinitrotoluene	ND		10.0	1	10/12/2023 19:20	WG2148873
2-Acetylaminofluorene	ND		100	1	10/13/2023 22:16	WG2148873
2-Chloronaphthalene	ND		10.0	1	10/12/2023 19:20	WG2148873
2-Chlorophenol	ND		10.0	1	10/12/2023 19:20	WG2148873
2-Methylnaphthalene	ND		10.0	1	10/12/2023 19:20	WG2148873
2-Methylphenol	ND		10.0	1	10/12/2023 19:20	WG2148873
2-Naphthylamine	ND		10.0	1	10/13/2023 22:16	WG2148873
2-Nitroaniline	ND		50.0	1	10/12/2023 19:20	WG2148873
2-Nitrophenol	ND		10.0	1	10/12/2023 19:20	WG2148873
3&4-Methyl Phenol	ND		10.0	1	10/12/2023 19:20	WG2148873
3,3-Dichlorobenzidine	ND		50.0	1	10/12/2023 19:20	WG2148873
3,3-Dimethylbenzidine	ND	J4	20.0	1	10/13/2023 22:16	WG2148873
3-Methylcholanthrene	ND		20.0	1	10/13/2023 22:16	WG2148873
3-Nitroaniline	ND		50.0	1	10/12/2023 19:20	WG2148873
4,6-Dinitro-2-methylphenol	ND		50.0	1	10/12/2023 19:20	WG2148873
4-Aminobiphenyl	ND		10.0	1	10/13/2023 22:16	WG2148873
4-Bromophenyl-phenylether	ND		50.0	1	10/12/2023 19:20	WG2148873
4-Chloro-3-methylphenol	ND		10.0	1	10/12/2023 19:20	WG2148873
4-Chloroaniline	ND		10.0	1	10/12/2023 19:20	WG2148873
4-Chlorophenyl-phenylether	ND		10.0	1	10/12/2023 19:20	WG2148873
4-Nitroaniline	ND		50.0	1	10/12/2023 19:20	WG2148873
4-Nitrophenol	ND		50.0	1	10/12/2023 19:20	WG2148873

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
5-Nitro-o-toluidine	ND		20.0	1	10/13/2023 22:16	WG2148873
Acenaphthene	ND		10.0	1	10/12/2023 19:20	WG2148873
Acenaphthylene	ND		10.0	1	10/12/2023 19:20	WG2148873
Acetophenone	ND		10.0	1	10/12/2023 19:20	WG2148873
Anthracene	ND		10.0	1	10/12/2023 19:20	WG2148873
Benzo(A)Anthracene	ND		10.0	1	10/12/2023 19:20	WG2148873
Benzo(a)pyrene	ND		10.0	1	10/12/2023 19:20	WG2148873
Benzo(b)fluoranthene	ND		10.0	1	10/12/2023 19:20	WG2148873
Benzo(g,h,i)perylene	ND		10.0	1	10/12/2023 19:20	WG2148873
Benzo(k)fluoranthene	ND		10.0	1	10/12/2023 19:20	WG2148873
Benzyl Alcohol	ND		10.0	1	10/12/2023 19:20	WG2148873
Benzylbutyl phthalate	ND		10.0	1	10/12/2023 19:20	WG2148873
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	10/12/2023 19:20	WG2148873
Bis(2-chlorethoxy)methane	ND		10.0	1	10/12/2023 19:20	WG2148873
Bis(2-chloroethyl)ether	ND		10.0	1	10/12/2023 19:20	WG2148873
Chlorobenzilate	ND		10.0	1	10/13/2023 22:16	WG2148873
Chrysene	ND		10.0	1	10/12/2023 19:20	WG2148873
Di-n-butyl phthalate	ND		10.0	1	10/12/2023 19:20	WG2148873
Di-n-octyl phthalate	ND		10.0	1	10/12/2023 19:20	WG2148873
Diallate	ND		20.0	1	10/13/2023 22:16	WG2148873
Dibenz(a,h)anthracene	ND		20.0	1	10/12/2023 19:20	WG2148873
Dibenzofuran	ND		10.0	1	10/12/2023 19:20	WG2148873
Diethyl phthalate	ND		10.0	1	10/12/2023 19:20	WG2148873
Dimethoate	ND		20.0	1	10/13/2023 22:16	WG2148873
Dimethyl phthalate	ND		10.0	1	10/12/2023 19:20	WG2148873
Dimethylbenz (A) Anthracene	ND		20.0	1	10/13/2023 22:16	WG2148873
Dinoseb	ND		17.9	1	10/13/2023 22:16	WG2148873
Diphenylamine	ND		10.0	1	10/12/2023 19:20	WG2148873
Disulfoton	ND		50.0	1	10/13/2023 22:16	WG2148873
Ethyl methanesulfonate	ND		10.0	1	10/13/2023 22:16	WG2148873
Ethyl parathion	ND		50.0	1	10/13/2023 22:16	WG2148873
Famphur	ND		200	1	10/13/2023 22:16	WG2148873
Fluoranthene	ND		1.00	1	10/12/2023 19:20	WG2148873
Fluorene	ND		10.0	1	10/12/2023 19:20	WG2148873
Hexachloro-1,3-butadiene	ND		10.0	1	10/12/2023 19:20	WG2148873
Hexachlorobenzene	ND		10.0	1	10/12/2023 19:20	WG2148873
Hexachlorocyclopentadiene	ND		50.0	1	10/12/2023 19:20	WG2148873
Hexachloroethane	ND		10.0	1	10/12/2023 19:20	WG2148873
Hexachloropropene	ND		100	1	10/13/2023 22:16	WG2148873
Indeno(1,2,3-cd)pyrene	ND		10.0	1	10/12/2023 19:20	WG2148873
Isodrin	ND		10.0	1	10/13/2023 22:16	WG2148873
Isophorone	ND		10.0	1	10/12/2023 19:20	WG2148873
Isosafrole	ND		20.0	1	10/13/2023 22:16	WG2148873
Kepone	ND		1.88	1	10/13/2023 22:16	WG2148873
Methapyrilene	ND		50.0	1	10/13/2023 22:16	WG2148873
Methyl methanesulfonate	ND		50.0	1	10/13/2023 22:16	WG2148873
Methyl parathion	ND		10.0	1	10/13/2023 22:16	WG2148873
Naphthalene	ND		10.0	1	10/12/2023 19:20	WG2148873
Nitrobenzene	ND		10.0	1	10/12/2023 19:20	WG2148873
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	10/13/2023 22:16	WG2148873
P-(Dimethylamino) Azobenzene	ND		20.0	1	10/13/2023 22:16	WG2148873
Pentachlorobenzene	ND		10.0	1	10/13/2023 22:16	WG2148873
Pentachloronitrobenzene	ND		50.0	1	10/13/2023 22:16	WG2148873
Pentachlorophenol	ND		50.0	1	10/12/2023 19:20	WG2148873
Phenacetin	ND		10.0	1	10/13/2023 22:16	WG2148873
Phenanthrene	ND		20.0	1	10/12/2023 19:20	WG2148873

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

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Phenol	ND		10.0	1	10/12/2023 19:20	WG2148873
Phorate	ND		50.0	1	10/13/2023 22:16	WG2148873
Pronamide	ND		20.0	1	10/13/2023 22:16	WG2148873
Pyrene	ND		10.0	1	10/12/2023 19:20	WG2148873
Safrole	ND		50.0	1	10/13/2023 22:16	WG2148873
Thionazin	ND		10.0	1	10/13/2023 22:16	WG2148873
n-Nitrosodi-n-butylamine	ND		10.0	1	10/13/2023 22:16	WG2148873
n-Nitrosodi-n-propylamine	ND		10.0	1	10/12/2023 19:20	WG2148873
n-Nitrosodiethylamine	ND		10.0	1	10/13/2023 22:16	WG2148873
n-Nitrosodimethylamine	ND		10.0	1	10/12/2023 19:20	WG2148873
n-Nitrosodiphenylamine	ND		10.0	1	10/12/2023 19:20	WG2148873
n-Nitrosomethylethylamine	ND		10.0	1	10/13/2023 22:16	WG2148873
n-Nitrosopiperidine	ND		10.0	1	10/13/2023 22:16	WG2148873
n-Nitrosopyrrolidine	ND		10.0	1	10/13/2023 22:16	WG2148873
o-Toluidine	ND		10.0	1	10/13/2023 22:16	WG2148873
p-Phenylenediamine	ND	J4	387	1	10/13/2023 22:16	WG2148873
(S) Phenol-d5	*19.5*			*10.0-120*	*10/12/2023 19:20*	WG2148873
(S) 2,4,6-Tribromophenol	*34.0*			*10.0-155*	*10/12/2023 19:20*	WG2148873
(S) p-Terphenyl-d14	*57.7*			*10.0-128*	*10/12/2023 19:20*	WG2148873
(S) Nitrobenzene-d5	*59.2*			*10.0-127*	*10/12/2023 19:20*	WG2148873
(S) 2-Fluorobiphenyl	*57.8*			*10.0-130*	*10/12/2023 19:20*	WG2148873
(S) 2-Fluorophenol	*26.1*			*10.0-120*	*10/12/2023 19:20*	WG2148873

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

Analyte	Result	Units
pH (On Site)	5.93	su
Specific Conductance (on site)	580	umhos/cm
Temperature (on-site)	16.1	Deg. C
Turbidity (on-site)	8.1	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	26.9	mV
Depth to water (DTW) (FROM TOC)	23.79	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	239		10.0	1	10/13/2023 16:42	WG2150608

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	27.1		3.00	1	10/14/2023 01:59	WG2149890
Sulfate	22.2		5.00	1	10/14/2023 01:59	WG2149890

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	2.89		1.00	1	10/12/2023 21:32	WG2149942

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 01:40	WG2149104
Barium,Total Recoverable	0.294		0.00500	1	10/13/2023 01:40	WG2149104
Iron, Total Recoverable	4.91		0.0600	1	10/13/2023 01:40	WG2149104
Manganese,Total Recoverable	11.1		0.00300	1	10/13/2023 01:40	WG2149104
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 01:40	WG2149104
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 01:40	WG2149104

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	10/21/2023 16:10	WG2149123
Beryllium, Total Recoverable	ND		0.00100	1	10/21/2023 16:10	WG2149123
Cadmium, Total Recoverable	0.00323		0.00100	1	10/21/2023 16:10	WG2149123
Cobalt,Total Recoverable	0.0186		0.00300	1	10/21/2023 16:10	WG2149123
Chromium, Total Recoverable	ND		0.00300	1	10/21/2023 16:10	WG2149123
Copper, Total Recoverable	ND		0.00400	1	10/21/2023 16:10	WG2149123
Nickel, Total Recoverable	0.0469		0.00400	1	10/21/2023 16:10	WG2149123
Antimony, Total Recoverable	ND		0.00200	1	10/21/2023 16:10	WG2149123
Thallium, Total Recoverable	ND		0.00100	1	10/21/2023 16:10	WG2149123
Vanadium,Total Recoverable	ND		0.00300	1	10/21/2023 16:10	WG2149123
Zinc, Total Recoverable	0.0734		0.00500	1	10/21/2023 16:10	WG2149123

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/10/2023 06:43	WG2148115
1,1,1-Trichloroethane	ND		1.00	1	10/10/2023 06:43	WG2148115
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/10/2023 06:43	WG2148115
1,1,2-Trichloroethane	ND		1.00	1	10/10/2023 06:43	WG2148115
1,1-Dichloroethane	ND		1.00	1	10/10/2023 06:43	WG2148115
1,1-Dichloroethene	ND		1.00	1	10/10/2023 06:43	WG2148115
1,2,3-Trichloropropane	ND		1.00	1	10/10/2023 06:43	WG2148115
1,2-Dibromo-3-Chloropropane	ND	J3	2.00	1	10/10/2023 06:43	WG2148115
1,2-Dibromoethane	ND		1.00	1	10/10/2023 06:43	WG2148115
1,2-Dichlorobenzene	ND		1.00	1	10/10/2023 06:43	WG2148115
1,2-Dichloroethane	ND		1.00	1	10/10/2023 06:43	WG2148115
1,2-Dichloropropane	ND		1.00	1	10/10/2023 06:43	WG2148115
1,4-Dichlorobenzene	ND		1.00	1	10/10/2023 06:43	WG2148115
2-Butanone (MEK)	ND	J3	5.00	1	10/10/2023 06:43	WG2148115
2-Hexanone	ND		5.00	1	10/10/2023 06:43	WG2148115
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/10/2023 06:43	WG2148115
Acetone	ND		10.0	1	10/10/2023 06:43	WG2148115
Acrylonitrile	ND		20.0	1	10/10/2023 06:43	WG2148115
Benzene	ND		1.00	1	10/10/2023 06:43	WG2148115
Bromochloromethane	ND		1.00	1	10/10/2023 06:43	WG2148115
Bromodichloromethane	ND		1.00	1	10/10/2023 06:43	WG2148115
Bromoform	ND		1.00	1	10/10/2023 06:43	WG2148115
Bromomethane	ND		1.00	1	10/10/2023 06:43	WG2148115
Carbon disulfide	ND		1.00	1	10/10/2023 06:43	WG2148115
Carbon tetrachloride	ND		1.00	1	10/10/2023 06:43	WG2148115
Chlorobenzene	ND		1.00	1	10/10/2023 06:43	WG2148115
Chloroethane	ND		1.00	1	10/10/2023 06:43	WG2148115
Chloroform	ND		1.00	1	10/10/2023 06:43	WG2148115
Chloromethane	ND		1.00	1	10/10/2023 06:43	WG2148115
Dibromochloromethane	ND		1.00	1	10/10/2023 06:43	WG2148115
Dibromomethane	ND		1.00	1	10/10/2023 06:43	WG2148115
Ethylbenzene	ND		1.00	1	10/10/2023 06:43	WG2148115
Iodomethane	ND		1.00	1	10/10/2023 06:43	WG2148115
Methylene Chloride	ND		1.07	1	10/10/2023 06:43	WG2148115
Styrene	ND		1.00	1	10/10/2023 06:43	WG2148115
Tetrachloroethene	ND		1.00	1	10/10/2023 06:43	WG2148115
Toluene	ND		1.00	1	10/10/2023 06:43	WG2148115
Trichloroethene	ND		1.00	1	10/10/2023 06:43	WG2148115
Trichlorofluoromethane	ND		1.00	1	10/10/2023 06:43	WG2148115
Vinyl acetate	ND		5.00	1	10/10/2023 06:43	WG2148115
Vinyl chloride	ND		1.00	1	10/10/2023 06:43	WG2148115
Xylenes, Total	ND		1.00	1	10/10/2023 06:43	WG2148115
cis-1,2-Dichloroethene	ND		1.00	1	10/10/2023 06:43	WG2148115
cis-1,3-Dichloropropene	ND		1.00	1	10/10/2023 06:43	WG2148115
trans-1,2-Dichloroethene	ND		1.00	1	10/10/2023 06:43	WG2148115
trans-1,3-Dichloropropene	ND		1.00	1	10/10/2023 06:43	WG2148115
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/10/2023 06:43	WG2148115
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*	*10/10/2023 06:43*	WG2148115
(S) 4-Bromofluorobenzene	*107*			*77.0-126*	*10/10/2023 06:43*	WG2148115
(S) Toluene-d8	*95.5*			*80.0-120*	*10/10/2023 06:43*	WG2148115

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

Analyte	Result	Units
pH (On Site)	6.32	su
Specific Conductance (on site)	851	umhos/cm
Temperature (on-site)	16.2	Deg. C
Turbidity (on-site)	2.8	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	108	mV
Depth to water (DTW) (FROM TOC)	9.65	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	349		10.0	1	10/15/2023 08:14	WG2150609

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	27.0		3.00	1	10/14/2023 02:40	WG2149890
Sulfate	ND		5.00	1	10/14/2023 02:40	WG2149890

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	10/12/2023 21:52	WG2149942

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 01:43	WG2149104
Barium,Total Recoverable	0.0974		0.00500	1	10/13/2023 01:43	WG2149104
Iron, Total Recoverable	ND		0.0600	1	10/13/2023 01:43	WG2149104
Manganese,Total Recoverable	2.61		0.00300	1	10/13/2023 01:43	WG2149104
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 01:43	WG2149104
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 01:43	WG2149104

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	10/21/2023 16:13	WG2149123
Beryllium, Total Recoverable	ND		0.00100	1	10/21/2023 16:13	WG2149123
Cadmium, Total Recoverable	0.0116		0.00100	1	10/21/2023 16:13	WG2149123
Cobalt,Total Recoverable	ND		0.00300	1	10/21/2023 16:13	WG2149123
Chromium, Total Recoverable	ND		0.00300	1	10/21/2023 16:13	WG2149123
Copper, Total Recoverable	ND		0.00400	1	10/21/2023 16:13	WG2149123
Nickel, Total Recoverable	0.0450		0.00400	1	10/21/2023 16:13	WG2149123
Antimony, Total Recoverable	ND		0.00200	1	10/21/2023 16:13	WG2149123
Thallium, Total Recoverable	ND		0.00100	1	10/21/2023 16:13	WG2149123
Vanadium,Total Recoverable	ND		0.00300	1	10/21/2023 16:13	WG2149123
Zinc, Total Recoverable	0.0678		0.00500	1	10/21/2023 16:13	WG2149123

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/10/2023 07:02	WG2148115
1,1,1-Trichloroethane	ND		1.00	1	10/10/2023 07:02	WG2148115
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/10/2023 07:02	WG2148115
1,1,2-Trichloroethane	ND		1.00	1	10/10/2023 07:02	WG2148115
1,1-Dichloroethane	ND		1.00	1	10/10/2023 07:02	WG2148115
1,1-Dichloroethene	ND		1.00	1	10/10/2023 07:02	WG2148115
1,2,3-Trichloropropane	ND		1.00	1	10/10/2023 07:02	WG2148115
1,2-Dibromo-3-Chloropropane	ND	J3	2.00	1	10/10/2023 07:02	WG2148115
1,2-Dibromoethane	ND		1.00	1	10/10/2023 07:02	WG2148115
1,2-Dichlorobenzene	ND		1.00	1	10/10/2023 07:02	WG2148115
1,2-Dichloroethane	ND		1.00	1	10/10/2023 07:02	WG2148115
1,2-Dichloropropane	ND		1.00	1	10/10/2023 07:02	WG2148115
1,4-Dichlorobenzene	ND		1.00	1	10/10/2023 07:02	WG2148115
2-Butanone (MEK)	ND	J3	5.00	1	10/10/2023 07:02	WG2148115
2-Hexanone	ND		5.00	1	10/10/2023 07:02	WG2148115
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/10/2023 07:02	WG2148115
Acetone	ND		10.0	1	10/10/2023 07:02	WG2148115
Acrylonitrile	ND		20.0	1	10/10/2023 07:02	WG2148115
Benzene	ND		1.00	1	10/10/2023 07:02	WG2148115
Bromochloromethane	ND		1.00	1	10/10/2023 07:02	WG2148115
Bromodichloromethane	ND		1.00	1	10/10/2023 07:02	WG2148115
Bromoform	ND		1.00	1	10/10/2023 07:02	WG2148115
Bromomethane	ND		1.00	1	10/10/2023 07:02	WG2148115
Carbon disulfide	ND		1.00	1	10/10/2023 07:02	WG2148115
Carbon tetrachloride	ND		1.00	1	10/10/2023 07:02	WG2148115
Chlorobenzene	ND		1.00	1	10/10/2023 07:02	WG2148115
Chloroethane	ND		1.00	1	10/10/2023 07:02	WG2148115
Chloroform	ND		1.00	1	10/10/2023 07:02	WG2148115
Chloromethane	ND		1.00	1	10/10/2023 07:02	WG2148115
Dibromochloromethane	ND		1.00	1	10/10/2023 07:02	WG2148115
Dibromomethane	ND		1.00	1	10/10/2023 07:02	WG2148115
Ethylbenzene	ND		1.00	1	10/10/2023 07:02	WG2148115
Iodomethane	ND		1.00	1	10/10/2023 07:02	WG2148115
Methylene Chloride	ND		1.07	1	10/10/2023 07:02	WG2148115
Styrene	ND		1.00	1	10/10/2023 07:02	WG2148115
Tetrachloroethene	ND		1.00	1	10/10/2023 07:02	WG2148115
Toluene	ND		1.00	1	10/10/2023 07:02	WG2148115
Trichloroethene	ND		1.00	1	10/10/2023 07:02	WG2148115
Trichlorofluoromethane	ND		1.00	1	10/10/2023 07:02	WG2148115
Vinyl acetate	ND		5.00	1	10/10/2023 07:02	WG2148115
Vinyl chloride	ND		1.00	1	10/10/2023 07:02	WG2148115
Xylenes, Total	ND		1.00	1	10/10/2023 07:02	WG2148115
cis-1,2-Dichloroethene	ND		1.00	1	10/10/2023 07:02	WG2148115
cis-1,3-Dichloropropene	ND		1.00	1	10/10/2023 07:02	WG2148115
trans-1,2-Dichloroethene	ND		1.00	1	10/10/2023 07:02	WG2148115
trans-1,3-Dichloropropene	ND		1.00	1	10/10/2023 07:02	WG2148115
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/10/2023 07:02	WG2148115
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*	*10/10/2023 07:02*	WG2148115
(S) 4-Bromofluorobenzene	*107*			*77.0-126*	*10/10/2023 07:02*	WG2148115
(S) Toluene-d8	*94.8*			*80.0-120*	*10/10/2023 07:02*	WG2148115

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/11/2023 02:17	WG2148782
1,1,1-Trichloroethane	ND		1.00	1	10/11/2023 02:17	WG2148782
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/11/2023 02:17	WG2148782
1,1,2-Trichloroethane	ND	J4	1.00	1	10/11/2023 02:17	WG2148782
1,1-Dichloroethane	ND		1.00	1	10/11/2023 02:17	WG2148782
1,1-Dichloroethene	ND		1.00	1	10/11/2023 02:17	WG2148782
1,1-Dichloropropene	ND		1.00	1	10/11/2023 02:17	WG2148782
1,2,3-Trichloropropane	ND		1.00	1	10/11/2023 02:17	WG2148782
1,2-Dibromo-3-Chloropropane	ND		2.00	1	10/11/2023 02:17	WG2148782
1,2-Dibromoethane	ND		1.00	1	10/11/2023 02:17	WG2148782
1,2-Dichlorobenzene	ND		1.00	1	10/11/2023 02:17	WG2148782
1,2-Dichloroethane	ND		1.00	1	10/11/2023 02:17	WG2148782
1,2-Dichloropropane	ND		1.00	1	10/11/2023 02:17	WG2148782
1,3-Dichlorobenzene	ND		1.00	1	10/11/2023 02:17	WG2148782
1,3-Dichloropropane	ND		1.00	1	10/11/2023 02:17	WG2148782
1,4-Dichlorobenzene	ND		1.00	1	10/11/2023 02:17	WG2148782
2,2-Dichloropropane	ND		5.00	1	10/11/2023 02:17	WG2148782
2-Butanone (MEK)	ND		5.00	1	10/11/2023 02:17	WG2148782
2-Hexanone	ND		5.00	1	10/11/2023 02:17	WG2148782
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/11/2023 02:17	WG2148782
Acetone	ND		11.3	1	10/11/2023 02:17	WG2148782
Acetonitrile	ND		30.0	1	10/11/2023 02:17	WG2148782
Acrolein	ND		20.0	1	10/11/2023 02:17	WG2148782
Acrylonitrile	ND		20.0	1	10/11/2023 02:17	WG2148782
Allyl chloride	ND		10.0	1	10/11/2023 02:17	WG2148782
Benzene	ND		1.00	1	10/11/2023 02:17	WG2148782
Bromochloromethane	ND		1.00	1	10/11/2023 02:17	WG2148782
Bromodichloromethane	ND		1.00	1	10/11/2023 02:17	WG2148782
Bromoform	ND		1.00	1	10/11/2023 02:17	WG2148782
Bromomethane	ND		1.00	1	10/11/2023 02:17	WG2148782
Carbon disulfide	ND		1.00	1	10/11/2023 02:17	WG2148782
Carbon tetrachloride	ND		1.00	1	10/11/2023 02:17	WG2148782
Chlorobenzene	ND		1.00	1	10/11/2023 02:17	WG2148782
Chloroethane	ND		1.00	1	10/11/2023 02:17	WG2148782
Chloroform	ND		1.00	1	10/11/2023 02:17	WG2148782
Chloromethane	ND		1.00	1	10/11/2023 02:17	WG2148782
Chloroprene	ND		1.70	1	10/11/2023 02:17	WG2148782
Dibromochloromethane	ND	J4	1.00	1	10/11/2023 02:17	WG2148782
Dibromomethane	ND		1.00	1	10/11/2023 02:17	WG2148782
Dichlorodifluoromethane	ND		2.00	1	10/11/2023 02:17	WG2148782
Ethyl methacrylate	ND		3.00	1	10/11/2023 02:17	WG2148782
Ethylbenzene	ND		1.00	1	10/11/2023 02:17	WG2148782
Iodomethane	ND		1.00	1	10/11/2023 02:17	WG2148782
Isobutanol	ND		110	1	10/11/2023 02:17	WG2148782
Methacrylonitrile	ND		13.0	1	10/11/2023 02:17	WG2148782
Methyl methacrylate	ND		4.00	1	10/11/2023 02:17	WG2148782
Methylene Chloride	ND		1.07	1	10/11/2023 02:17	WG2148782
Propionitrile	ND		20.0	1	10/11/2023 02:17	WG2148782
Styrene	ND		1.00	1	10/11/2023 02:17	WG2148782
Tetrachloroethene	ND		1.00	1	10/11/2023 02:17	WG2148782
Toluene	ND		1.00	1	10/11/2023 02:17	WG2148782
Trichloroethene	ND		1.00	1	10/11/2023 02:17	WG2148782
Trichlorofluoromethane	ND		1.00	1	10/11/2023 02:17	WG2148782
Vinyl acetate	ND		5.00	1	10/11/2023 02:17	WG2148782
Vinyl chloride	ND		1.00	1	10/11/2023 02:17	WG2148782
Xylenes, Total	ND		1.00	1	10/11/2023 02:17	WG2148782

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

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	ND		1.00	1	10/11/2023 02:17	WG2148782
cis-1,3-Dichloropropene	ND		1.00	1	10/11/2023 02:17	WG2148782
trans-1,2-Dichloroethene	ND		1.00	1	10/11/2023 02:17	WG2148782
trans-1,3-Dichloropropene	ND		1.00	1	10/11/2023 02:17	WG2148782
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/11/2023 02:17	WG2148782
(S) Toluene-d8	*108*			*80.0-120*	*10/11/2023 02:17*	WG2148782
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*	*10/11/2023 02:17*	WG2148782
(S) 4-Bromofluorobenzene	*92.3*			*77.0-126*	*10/11/2023 02:17*	WG2148782

Method Blank (MB)

(MB) R3986000-1 10/11/23 14:20

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

L1663866-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1663866-01 10/11/23 14:20 • (DUP) R3986000-3 10/11/23 14:20

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	180	189	1	4.88		5

Laboratory Control Sample (LCS)

(LCS) R3986000-2 10/11/23 14:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8410	95.6	77.3-123	

Method Blank (MB)

(MB) R3985980-1 10/11/23 20:45

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

L1664103-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1664103-13 10/11/23 20:45 • (DUP) R3985980-3 10/11/23 20:45

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	225	225	1	0.000		5

Laboratory Control Sample (LCS)

(LCS) R3985980-2 10/11/23 20:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8430	95.8	77.3-123	

Method Blank (MB)

(MB) R3987323-1 10/13/23 16:42

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

L1664045-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1664045-10 10/13/23 16:42 • (DUP) R3987323-3 10/13/23 16:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	239	240	1	0.418		5

L1664323-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1664323-01 10/13/23 16:42 • (DUP) R3987323-4 10/13/23 16:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	213	211	1	0.943		5

Laboratory Control Sample (LCS)

(LCS) R3987323-2 10/13/23 16:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8770	99.7	77.3-123	

Method Blank (MB)

(MB) R3987291-1 10/15/23 08:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	4.00	J	2.82	10.0

L1664045-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1664045-07 10/15/23 08:14 • (DUP) R3987291-3 10/15/23 08:14

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	337	346	1	2.64		5

L1664045-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1664045-08 10/15/23 08:14 • (DUP) R3987291-4 10/15/23 08:14

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	341	351	1	2.89		5

Laboratory Control Sample (LCS)

(LCS) R3987291-2 10/15/23 08:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8710	99.0	77.3-123	

Method Blank (MB)

(MB) R3984452-1 10/10/23 15:20

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

L1663953-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1663953-01 10/10/23 15:29 • (DUP) R3984452-5 10/10/23 15:30

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	5.36	5.36	1	0.0560		10

L1664045-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1664045-04 10/10/23 15:49 • (DUP) R3984452-7 10/10/23 15:50

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) R3984452-2 10/10/23 15:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.39	98.6	90.0-110	

L1663921-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663921-01 10/10/23 15:24 • (MS) R3984452-3 10/10/23 15:26 • (MSD) R3984452-4 10/10/23 15:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	ND	4.95	5.02	99.0	100	1	90.0-110			1.48	10

L1664045-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1664045-03 10/10/23 15:46 • (MS) R3984452-6 10/10/23 15:47

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	5.01	100	1	90.0-110	

Method Blank (MB)

(MB) R3983285-1 10/07/23 16:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Sulfide	ND		0.00650	0.0500

L1664045-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1664045-09 10/07/23 16:31 • (DUP) R3983285-5 10/07/23 16:31

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3983285-2 10/07/23 16:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfide	0.500	0.457	91.4	85.0-115	

L1664045-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1664045-01 10/07/23 16:30 • (MS) R3983285-3 10/07/23 16:30 • (MSD) R3983285-4 10/07/23 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 %
Sulfide	0.500	ND	ND	ND	90.6	90.2	1	80.0-120			0.442	20

Method Blank (MB)

(MB) R3984879-1 10/11/23 14:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	ND		0.00180	0.00500

L1663811-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1663811-01 10/11/23 14:58 • (DUP) R3984879-3 10/11/23 15:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	ND	1	14.7		20

L1663913-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1663913-02 10/11/23 15:08 • (DUP) R3984879-4 10/11/23 15:10

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3984879-2 10/11/23 14:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.0975	97.5	87.1-120	

L1663953-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663953-02 10/11/23 15:13 • (MS) R3984879-5 10/11/23 15:14 • (MSD) R3984879-6 10/11/23 15:16

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 %
Cyanide	0.100	ND	0.0735	0.0780	71.2	75.7	1	90.0-110	J6	J6	5.94	20

Sample Narrative:

MS: Matrix spike failure due to matrix interference.

MSD: Matrix spike failure due to matrix interference.

L1664045-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1664045-04 10/11/23 15:24 • (MS) R3984879-7 10/11/23 15:26 • (MSD) R3984879-8 10/11/23 15:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	ND	0.0893	0.0860	89.3	86.0	1	90.0-110	J6	J6	3.76	20

Sample Narrative:

MS: Matrix spike failure due to matrix interference.

MSD: Matrix spike failure due to matrix interference.

Method Blank (MB)

(MB) R3986690-1 10/13/23 09:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.0560		0.0519	1.00
Sulfate	0.189		0.0774	5.00

L1664045-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1664045-01 10/13/23 22:47 • (DUP) R3986690-3 10/13/23 23:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	17.2	16.9	1	1.54		15
Sulfate	ND	ND	1	0.931		15

L1664052-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1664052-03 10/14/23 03:21 • (DUP) R3986690-6 10/14/23 03:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	10.6	10.5	1	0.929		15
Sulfate	ND	ND	1	1.61		15

Laboratory Control Sample (LCS)

(LCS) R3986690-2 10/13/23 09:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.4	98.6	80.0-120	
Sulfate	40.0	38.9	97.3	80.0-120	

L1664045-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1664045-01 10/13/23 22:47 • (MS) R3986690-4 10/13/23 23:14 • (MSD) R3986690-5 10/13/23 23:55

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	17.2	54.8	54.9	94.0	94.1	1	80.0-120			0.0781	15
Sulfate	40.0	ND	40.0	40.0	96.0	96.1	1	80.0-120			0.0831	15

L1664052-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1664052-03 10/14/23 03:21 • (MS) R3986690-7 10/14/23 03:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	10.6	49.4	97.0	1	80.0-120	
Sulfate	40.0	ND	43.1	97.6	1	80.0-120	

Method Blank (MB)

(MB) R3985998-2 10/12/23 12:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TOC	ND		0.102	1.00

L1664045-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1664045-05 10/12/23 18:55 • (DUP) R3985998-5 10/12/23 19:14

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	1.09	1.18	1	7.67		20

L1664045-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1664045-08 10/12/23 20:34 • (DUP) R3985998-6 10/12/23 20:54

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	ND	ND	1	9.90		20

Laboratory Control Sample (LCS)

(LCS) R3985998-1 10/12/23 12:07

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC	25.0	24.6	98.4	85.0-115	

L1663868-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663868-01 10/12/23 16:33 • (MS) R3985998-3 10/12/23 16:57 • (MSD) R3985998-4 10/12/23 17:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC	25.0	ND	25.0	24.9	100	99.7	1	80.0-120			0.320	20

Method Blank (MB)

(MB) R3986208-1 10/14/23 10:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Total Recoverable	ND		0.0000490	0.000200

Laboratory Control Sample (LCS)

(LCS) R3986208-2 10/14/23 10:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Total Recoverable	0.00300	0.00349	116	80.0-120	

L1664048-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1664048-04 10/14/23 10:35 • (MS) R3986208-3 10/14/23 10:37 • (MSD) R3986208-4 10/14/23 10:40

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 %
Mercury,Total Recoverable	0.00300	ND	0.00355	0.00356	118	119	1	75.0-125			0.433	20

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

Method Blank (MB)

(MB) R3985834-1 10/13/23 00:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Barium,Total Recoverable	0.00737		0.00170	0.00500
Silver, Total Recoverable	ND		0.00280	0.00500
Iron, Total Recoverable	0.198		0.0141	0.100
Lead, Total Recoverable	0.0518		0.00190	0.00500
Manganese,Total Recoverable	0.0290		0.00120	0.0100
Selenium, Total Recoverable	ND		0.00740	0.0100
Tin, Total Recoverable	0.0130	J	0.00440	0.0500

Laboratory Control Sample (LCS)

(LCS) R3985834-2 10/13/23 00:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium,Total Recoverable	1.00	1.05	105	80.0-120	
Silver, Total Recoverable	0.200	0.182	91.2	80.0-120	
Iron, Total Recoverable	10.0	10.1	101	80.0-120	
Lead, Total Recoverable	1.00	1.03	103	80.0-120	
Manganese,Total Recoverable	1.00	0.999	99.9	80.0-120	
Selenium, Total Recoverable	1.00	1.05	105	80.0-120	
Tin, Total Recoverable	1.00	1.04	104	80.0-120	

L1663940-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663940-10 10/13/23 00:55 • (MS) R3985834-4 10/13/23 01:01 • (MSD) R3985834-5 10/13/23 01:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium,Total Recoverable	1.00	0.104	1.14	1.14	103	103	1	75.0-125			0.0221	20
Silver, Total Recoverable	0.200	ND	0.196	0.194	98.0	97.1	1	75.0-125			0.976	20
Lead, Total Recoverable	1.00	ND	1.06	1.07	106	106	1	75.0-125			0.481	20
Manganese,Total Recoverable	1.00	2.52	3.47	3.45	94.3	92.2	1	75.0-125			0.610	20
Selenium, Total Recoverable	1.00	ND	1.11	1.09	111	109	1	75.0-125			1.92	20
Tin, Total Recoverable	1.00	ND	1.02	1.03	102	103	1	75.0-125			0.824	20

Method Blank (MB)

(MB) R3986468-1 10/15/23 11:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Barium,Total Recoverable	ND		0.00170	0.00500
Iron, Total Recoverable	ND		0.0141	0.100
Manganese,Total Recoverable	ND		0.00120	0.0100

Laboratory Control Sample (LCS)

(LCS) R3986468-2 10/15/23 11:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium,Total Recoverable	1.00	1.01	101	80.0-120	
Iron, Total Recoverable	10.0	9.81	98.1	80.0-120	
Manganese,Total Recoverable	1.00	0.972	97.2	80.0-120	

L1664045-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1664045-01 10/15/23 11:44 • (MS) R3986468-4 10/15/23 11:50 • (MSD) R3986468-5 10/15/23 11:53

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 %
Barium,Total Recoverable	1.00	0.207	1.20	1.19	99.7	98.8	1	75.0-125			0.792	20
Iron, Total Recoverable	10.0	1.29	11.1	11.0	98.0	96.6	1	75.0-125			1.20	20
Manganese,Total Recoverable	1.00	29.9	30.2	30.2	29.5	32.4	1	75.0-125	E V	E V	0.0953	20

Method Blank (MB)

(MB) R3989350-1 10/21/23 15:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony, Total Recoverable	ND		0.000754	0.00200
Arsenic, Total Recoverable	0.000277	J	0.000250	0.00200
Beryllium, Total Recoverable	ND		0.000120	0.00200
Cadmium, Total Recoverable	ND		0.000160	0.00100
Chromium, Total Recoverable	ND		0.000540	0.00200
Cobalt,Total Recoverable	ND		0.000260	0.00200
Copper, Total Recoverable	ND		0.000520	0.00500
Nickel, Total Recoverable	ND		0.000350	0.00200
Thallium, Total Recoverable	ND		0.000190	0.00200
Vanadium,Total Recoverable	0.00244	J	0.000180	0.00500
Zinc, Total Recoverable	ND		0.00256	0.0250

Laboratory Control Sample (LCS)

(LCS) R3989350-2 10/21/23 15:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony, Total Recoverable	0.500	0.464	92.8	80.0-120	
Arsenic, Total Recoverable	0.500	0.489	97.7	80.0-120	
Beryllium, Total Recoverable	0.500	0.495	99.0	80.0-120	
Cadmium, Total Recoverable	0.500	0.514	103	80.0-120	
Chromium, Total Recoverable	0.500	0.497	99.4	80.0-120	
Cobalt,Total Recoverable	0.500	0.497	99.4	80.0-120	
Copper, Total Recoverable	0.500	0.447	89.4	80.0-120	
Nickel, Total Recoverable	0.500	0.492	98.3	80.0-120	
Thallium, Total Recoverable	0.500	0.495	99.1	80.0-120	
Vanadium,Total Recoverable	0.500	0.500	100	80.0-120	
Zinc, Total Recoverable	0.500	0.462	92.3	80.0-120	

L1663974-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663974-02 10/21/23 15:17 • (MS) R3989350-4 10/21/23 15:24 • (MSD) R3989350-5 10/21/23 15:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony, Total Recoverable	0.500	ND	0.502	0.507	100	101	1	75.0-125			0.894	20
Arsenic, Total Recoverable	0.500	ND	0.500	0.504	99.8	101	1	75.0-125			0.827	20
Beryllium, Total Recoverable	0.500	ND	0.496	0.500	99.1	99.9	1	75.0-125	E	E	0.792	20
Cadmium, Total Recoverable	0.500	ND	0.511	0.516	102	103	1	75.0-125			0.928	20
Chromium, Total Recoverable	0.500	0.00774	0.500	0.503	98.5	99.0	1	75.0-125			0.473	20

L1663974-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663974-02 10/21/23 15:17 • (MS) R3989350-4 10/21/23 15:24 • (MSD) R3989350-5 10/21/23 15:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cobalt,Total Recoverable	0.500	ND	0.484	0.485	96.7	96.9	1	75.0-125			0.227	20
Copper, Total Recoverable	0.500	0.00513	0.472	0.468	93.3	92.5	1	75.0-125			0.897	20
Nickel, Total Recoverable	0.500	ND	0.477	0.481	95.3	96.0	1	75.0-125			0.741	20
Thallium, Total Recoverable	0.500	ND	0.500	0.511	99.9	102	1	75.0-125			2.18	20
Vanadium,Total Recoverable	0.500	0.00526	0.510	0.508	101	101	1	75.0-125			0.300	20
Zinc, Total Recoverable	0.500	ND	0.467	0.471	92.6	93.3	1	75.0-125			0.849	20

Method Blank (MB)

(MB) R3985695-3 10/09/23 23:40

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

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

Method Blank (MB)

(MB) R3985695-3 10/09/23 23:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) Toluene-d8	*103*			*80.0-120*

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

(LCS) R3985695-1 10/09/23 22:05 • (LCSD) R3985695-2 10/09/23 22:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	4.95	5.86	99.0	117	75.0-125			16.8	20
1,1,1-Trichloroethane	5.00	5.13	6.01	103	120	73.0-124			15.8	20
1,1,2,2-Tetrachloroethane	5.00	4.92	5.67	98.4	113	65.0-130			14.2	20
1,1,2-Trichloroethane	5.00	4.91	5.35	98.2	107	80.0-120			8.58	20
1,1-Dichloroethane	5.00	5.12	5.90	102	118	70.0-126			14.2	20
1,1-Dichloroethene	5.00	5.17	6.14	103	123	71.0-124			17.2	20
1,2,3-Trichloropropane	5.00	4.84	5.46	96.8	109	73.0-130			12.0	20
1,2-Dibromo-3-Chloropropane	5.00	4.28	5.56	85.6	111	58.0-134		J3	26.0	20
1,2-Dibromoethane	5.00	4.88	5.52	97.6	110	80.0-122			12.3	20
1,2-Dichlorobenzene	5.00	5.15	5.90	103	118	79.0-121			13.6	20
1,2-Dichloroethane	5.00	5.47	6.15	109	123	70.0-128			11.7	20
1,2-Dichloropropane	5.00	5.16	5.93	103	119	77.0-125			13.9	20
1,4-Dichlorobenzene	5.00	4.79	5.54	95.8	111	79.0-120			14.5	20
2-Butanone (MEK)	25.0	27.8	34.4	111	138	44.0-160		J3	21.2	20
2-Hexanone	25.0	26.5	30.6	106	122	67.0-149			14.4	20
4-Methyl-2-pentanone (MIBK)	25.0	28.9	33.4	116	134	68.0-142			14.4	20
Acetone	25.0	29.8	36.8	119	147	19.0-160			21.0	27
Acrylonitrile	25.0	28.1	30.3	112	121	55.0-149			7.53	20
Benzene	5.00	4.78	5.48	95.6	110	70.0-123			13.6	20
Bromochloromethane	5.00	5.16	5.63	103	113	76.0-122			8.71	20
Bromodichloromethane	5.00	5.00	5.77	100	115	75.0-120			14.3	20
Bromoform	5.00	4.69	5.14	93.8	103	68.0-132			9.16	20
Bromomethane	5.00	5.00	5.78	100	116	10.0-160			14.5	25

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

(LCS) R3985695-1 10/09/23 22:05 • (LCSD) R3985695-2 10/09/23 22:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Carbon disulfide	5.00	3.77	4.44	75.4	88.8	61.0-128			16.3	20
Carbon tetrachloride	5.00	5.13	6.04	103	121	68.0-126			16.3	20
Chlorobenzene	5.00	4.71	5.57	94.2	111	80.0-121			16.7	20
Chloroethane	5.00	4.76	4.96	95.2	99.2	47.0-150			4.12	20
Chloroform	5.00	4.98	5.67	99.6	113	73.0-120			13.0	20
Chloromethane	5.00	5.59	6.52	112	130	41.0-142			15.4	20
Dibromochloromethane	5.00	4.80	5.73	96.0	115	77.0-125			17.7	20
Dibromomethane	5.00	4.94	5.62	98.8	112	80.0-120			12.9	20
Ethylbenzene	5.00	4.86	5.61	97.2	112	79.0-123			14.3	20
Iodomethane	25.0	24.4	28.0	97.6	112	33.0-147			13.7	26
Methylene Chloride	5.00	4.34	4.72	86.8	94.4	67.0-120			8.39	20
Styrene	5.00	4.61	5.20	92.2	104	73.0-130			12.0	20
Tetrachloroethene	5.00	4.37	4.94	87.4	98.8	72.0-132			12.2	20
Toluene	5.00	4.45	5.11	89.0	102	79.0-120			13.8	20
Trichloroethene	5.00	4.54	5.33	90.8	107	78.0-124			16.0	20
Trichlorofluoromethane	5.00	5.40	6.13	108	123	59.0-147			12.7	20
Vinyl acetate	25.0	24.8	29.4	99.2	118	11.0-160			17.0	20
Vinyl chloride	5.00	5.02	5.88	100	118	67.0-131			15.8	20
Xylenes, Total	15.0	15.1	17.4	101	116	79.0-123			14.2	20
cis-1,2-Dichloroethene	5.00	4.62	5.37	92.4	107	73.0-120			15.0	20
cis-1,3-Dichloropropene	5.00	4.88	5.44	97.6	109	80.0-123			10.9	20
trans-1,2-Dichloroethene	5.00	4.57	5.22	91.4	104	73.0-120			13.3	20
trans-1,3-Dichloropropene	5.00	4.98	5.66	99.6	113	78.0-124			12.8	20
trans-1,4-Dichloro-2-butene	5.00	5.82	6.58	116	132	33.0-144			12.3	20
(S) 1,2-Dichloroethane-d4				*115*	*115*	*70.0-130*				
(S) 4-Bromofluorobenzene				*110*	*108*	*77.0-126*				
(S) Toluene-d8				*98.1*	*97.2*	*80.0-120*				

Method Blank (MB)

(MB) R3984893-3 10/10/23 23:04

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.120	0.500
1,1,1-Trichloroethane	ND		0.0940	0.500
1,1,2,2-Tetrachloroethane	ND		0.130	0.500
1,1,2-Trichloroethane	ND		0.186	0.500
1,1-Dichloroethane	ND		0.114	0.500
1,1-Dichloroethene	ND		0.188	0.500
1,1-Dichloropropene	ND		0.128	0.500
1,2,3-Trichloropropane	ND		0.247	2.50
1,2-Dibromo-3-Chloropropane	ND		0.325	2.50
1,2-Dibromoethane	ND		0.193	0.500
1,2-Dichlorobenzene	ND		0.101	0.500
1,2-Dichloroethane	ND		0.108	0.500
1,2-Dichloropropane	ND		0.190	0.500
1,3-Dichlorobenzene	ND		0.130	0.500
1,3-Dichloropropane	ND		0.147	1.00
1,4-Dichlorobenzene	ND		0.121	0.500
2,2-Dichloropropane	ND		0.0929	0.500
2-Butanone (MEK)	ND		1.28	5.00
2-Hexanone	ND		0.757	5.00
4-Methyl-2-pentanone (MIBK)	ND		0.823	5.00
Acetone	ND		1.05	25.0
Acetonitrile	ND		15.0	50.0
Acrolein	ND		8.87	50.0
Acrylonitrile	ND		0.873	5.00
Allyl chloride	ND		1.70	5.00
Benzene	ND		0.0896	0.500
Bromochloromethane	ND		0.145	0.500
Bromodichloromethane	ND		0.0800	0.500
Bromoform	ND		0.186	0.500
Bromomethane	ND		0.157	2.50
Carbon disulfide	ND		0.101	0.500
Carbon tetrachloride	ND		0.159	0.500
Chlorobenzene	ND		0.140	0.500
Chloroethane	ND		0.141	2.50
Chloroform	ND		0.0860	0.500
Chloromethane	ND		0.153	1.25
Chloroprene	ND		1.70	50.0
Dibromochloromethane	ND		0.128	0.500
Dibromomethane	ND		0.117	0.500
Dichlorodifluoromethane	ND		0.127	2.50

Method Blank (MB)

(MB) R3984893-3 10/10/23 23:04

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethyl methacrylate	ND		1.40	5.00
Ethylbenzene	ND		0.158	0.500
Iodomethane	ND		0.377	10.0
Isobutanol	ND		39.0	100
Methacrylonitrile	ND		13.0	50.0
Methyl methacrylate	ND		1.20	5.00
Methylene Chloride	ND		1.07	2.50
Propionitrile	ND		13.0	50.0
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) Toluene-d8	*108*			*80.0-120*
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*
(S) 4-Bromofluorobenzene	*94.4*			*77.0-126*

Laboratory Control Sample (LCS)

(LCS) R3984893-1 10/10/23 21:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,1,2-Tetrachloroethane	5.00	6.15	123	75.0-125	
1,1,1-Trichloroethane	5.00	5.48	110	73.0-124	
1,1,2,2-Tetrachloroethane	5.00	5.38	108	65.0-130	
1,1,2-Trichloroethane	5.00	6.04	121	80.0-120	J4
1,1-Dichloroethane	5.00	5.61	112	70.0-126	
1,1-Dichloroethene	5.00	5.25	105	71.0-124	
1,1-Dichloropropene	5.00	5.37	107	74.0-126	
1,2,3-Trichloropropane	5.00	5.29	106	73.0-130	
1,2-Dibromo-3-Chloropropane	5.00	4.37	87.4	58.0-134	

Laboratory Control Sample (LCS)

(LCS) R3984893-1 10/10/23 21:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2-Dibromoethane	5.00	5.98	120	80.0-122	
1,2-Dichlorobenzene	5.00	5.92	118	79.0-121	
1,2-Dichloroethane	5.00	5.36	107	70.0-128	
1,2-Dichloropropane	5.00	5.74	115	77.0-125	
1,3-Dichlorobenzene	5.00	5.84	117	79.0-120	
1,3-Dichloropropane	5.00	5.87	117	80.0-120	
1,4-Dichlorobenzene	5.00	5.81	116	79.0-120	
2,2-Dichloropropane	5.00	5.44	109	58.0-130	
2-Butanone (MEK)	25.0	28.3	113	44.0-160	
2-Hexanone	25.0	29.3	117	67.0-149	
4-Methyl-2-pentanone (MIBK)	25.0	31.8	127	68.0-142	
Acetone	25.0	33.0	132	19.0-160	
Acrolein	25.0	17.7	70.8	10.0-160	
Acrylonitrile	25.0	28.2	113	55.0-149	
Allyl chloride	25.0	27.0	108	72.0-128	
Benzene	5.00	5.32	106	70.0-123	
Bromochloromethane	5.00	5.77	115	76.0-122	
Bromodichloromethane	5.00	5.20	104	75.0-120	
Bromoform	5.00	6.20	124	68.0-132	
Bromomethane	5.00	3.79	75.8	10.0-160	
Carbon disulfide	5.00	4.69	93.8	61.0-128	
Carbon tetrachloride	5.00	5.63	113	68.0-126	
Chlorobenzene	5.00	6.04	121	80.0-121	
Chloroethane	5.00	5.88	118	47.0-150	
Chloroform	5.00	5.47	109	73.0-120	
Chloromethane	5.00	5.80	116	41.0-142	
Dibromochloromethane	5.00	6.29	126	77.0-125	J4
Dibromomethane	5.00	5.47	109	80.0-120	
Dichlorodifluoromethane	5.00	5.35	107	51.0-149	
Ethylbenzene	5.00	6.10	122	79.0-123	
Iodomethane	25.0	20.2	80.8	33.0-147	
Methylene Chloride	5.00	4.37	87.4	67.0-120	
Styrene	5.00	5.35	107	73.0-130	
Tetrachloroethene	5.00	6.25	125	72.0-132	
Toluene	5.00	5.58	112	79.0-120	
Trichloroethene	5.00	5.89	118	78.0-124	
Trichlorofluoromethane	5.00	6.21	124	59.0-147	
Vinyl acetate	25.0	29.0	116	11.0-160	
Vinyl chloride	5.00	6.13	123	67.0-131	
Xylenes, Total	15.0	17.9	119	79.0-123	

Laboratory Control Sample (LCS)

(LCS) R3984893-1 10/10/23 21:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,2-Dichloroethene	5.00	5.41	108	73.0-120	
cis-1,3-Dichloropropene	5.00	5.09	102	80.0-123	
trans-1,2-Dichloroethene	5.00	5.28	106	73.0-120	
trans-1,3-Dichloropropene	5.00	5.89	118	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	4.31	86.2	33.0-144	
(S) Toluene-d8			*105*	*80.0-120*	
(S) 1,2-Dichloroethane-d4			*93.9*	*70.0-130*	
(S) 4-Bromofluorobenzene			*93.1*	*77.0-126*	

Laboratory Control Sample (LCS)

(LCS) R3984893-2 10/10/23 22:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetonitrile	500	468	93.6	40.0-160	
Chloroprene	50.0	50.5	101	60.0-143	
Ethyl methacrylate	50.0	57.2	114	72.0-129	
Isobutanol	1000	875	87.5	40.0-160	
Methacrylonitrile	500	479	95.8	61.0-145	
Methyl methacrylate	50.0	47.5	95.0	63.0-149	
Propionitrile	500	433	86.6	49.0-160	
(S) Toluene-d8			*105*	*80.0-120*	
(S) 1,2-Dichloroethane-d4			*93.8*	*70.0-130*	
(S) 4-Bromofluorobenzene			*94.1*	*77.0-126*	

Method Blank (MB)

(MB) R3984708-1 10/10/23 15:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
2,4,5-T	ND		0.843	2.00
2,4,5-Tp (Silvex)	ND		0.845	2.00
2,4-D	ND		0.744	2.00
(S) 2,4-Dichlorophenyl Acetic Acid	*55.8*			*14.0-158*

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

(LCS) R3984708-2 10/10/23 15:47 • (LCSD) R3984708-3 10/10/23 15:59

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
2,4,5-T	5.00	3.53	4.33	70.6	86.6	54.0-120	P	J3 P	20.4	20
2,4,5-Tp (Silvex)	5.00	2.68	3.39	53.6	67.8	50.0-125		J3	23.4	20
2,4-D	5.00	3.39	4.33	67.8	86.6	50.0-120		J3 P	24.4	20
(S) 2,4-Dichlorophenyl Acetic Acid				*52.2*	*67.8*	*14.0-158*				

Method Blank (MB)

(MB) R3985591-1 10/12/23 00:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
2,4,5-T	ND		0.843	2.00
2,4,5-Tp (Silvex)	ND		0.845	2.00
2,4-D	ND		0.744	2.00
(S) 2,4-Dichlorophenyl Acetic Acid	*74.2*			*14.0-158*

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

(LCS) R3985591-2 10/12/23 01:03 • (LCSD) R3985591-3 10/12/23 01:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,4,5-T	5.00	4.14	4.47	82.8	89.4	54.0-120			7.67	20
2,4,5-Tp (Silvex)	5.00	3.73	4.06	74.6	81.2	50.0-125			8.47	20
2,4-D	5.00	4.56	4.93	91.2	98.6	50.0-120			7.80	20
(S) 2,4-Dichlorophenyl Acetic Acid				*90.2*	*94.6*	*14.0-158*				

Method Blank (MB)

(MB) R3984938-1 10/08/23 21:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4,4-DDD	ND		0.0170	0.0500
4,4-DDE	ND		0.0154	0.0500
4,4-DDT	ND		0.0177	0.0500
Aldrin	ND		0.00813	0.0500
Alpha BHC	ND		0.0166	0.0500
Beta BHC	ND		0.0184	0.0500
Chlordane	ND		0.0198	0.500
Delta BHC	ND		0.0150	0.0500
Dieldrin	ND		0.00751	0.0500
Endosulfan I	ND		0.0160	0.0500
Endosulfan II	ND		0.0164	0.0500
Endosulfan sulfate	ND		0.0196	0.0500
Endrin	ND		0.0161	0.0500
Endrin aldehyde	ND		0.0142	0.0500
Gamma BHC	ND		0.0176	0.0500
Heptachlor	ND		0.0108	0.0500
Heptachlor epoxide	ND		0.0175	0.0500
Methoxychlor	ND		0.0193	0.0500
Toxaphene	ND		0.168	0.500
(S) Decachlorobiphenyl	*22.0*			*10.0-128*
(S) Tetrachloro-m-xylene	*73.5*			*10.0-127*

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

(LCS) R3984938-4 10/08/23 21:15 • (LCSD) R3984938-5 10/08/23 21:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4,4-DDD	1.00	0.946	0.948	94.6	94.8	56.0-140			0.211	22
4,4-DDE	1.00	0.848	0.815	84.8	81.5	52.0-128			3.97	22
4,4-DDT	1.00	0.910	0.870	91.0	87.0	50.0-141			4.49	23
Aldrin	1.00	0.838	0.816	83.8	81.6	22.0-124			2.66	34
Alpha BHC	1.00	0.958	0.984	95.8	98.4	54.0-130			2.68	23
Beta BHC	1.00	0.987	1.01	98.7	101	53.0-136			2.30	20
Delta BHC	1.00	0.954	0.974	95.4	97.4	54.0-133			2.07	20
Dieldrin	1.00	0.913	0.924	91.3	92.4	59.0-133			1.20	20
Endosulfan I	1.00	0.906	0.920	90.6	92.0	57.0-131			1.53	20
Endosulfan II	1.00	0.914	0.938	91.4	93.8	58.0-133			2.59	20
Endosulfan sulfate	1.00	0.870	0.901	87.0	90.1	58.0-133			3.50	21
Endrin	1.00	0.964	0.975	96.4	97.5	57.0-134			1.13	21

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

(LCS) R3984938-4 10/08/23 21:15 • (LCSD) R3984938-5 10/08/23 21:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Endrin aldehyde	1.00	0.898	0.933	89.8	93.3	53.0-129			3.82	20
Gamma BHC	1.00	0.957	0.978	95.7	97.8	55.0-129			2.17	20
Heptachlor	1.00	0.937	0.933	93.7	93.3	27.0-132			0.428	31
Heptachlor epoxide	1.00	0.917	0.931	91.7	93.1	57.0-130			1.52	20
Methoxychlor	1.00	0.949	0.953	94.9	95.3	54.0-155			0.421	24
(S) Decachlorobiphenyl				*61.3*	*29.4*	*10.0-128*				
(S) Tetrachloro-m-xylene				*77.9*	*76.1*	*10.0-127*				

Method Blank (MB)

(MB) R3986371-1 10/13/23 01:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4,4-DDD	ND		0.0170	0.0500
4,4-DDE	ND		0.0154	0.0500
4,4-DDT	ND		0.0177	0.0500
Aldrin	ND		0.00813	0.0500
Alpha BHC	ND		0.0166	0.0500
Beta BHC	ND		0.0184	0.0500
Chlordane	ND		0.0198	0.500
Delta BHC	ND		0.0150	0.0500
Dieldrin	ND		0.00751	0.0500
Endosulfan I	ND		0.0160	0.0500
Endosulfan II	ND		0.0164	0.0500
Endosulfan sulfate	ND		0.0196	0.0500
Endrin	ND		0.0161	0.0500
Endrin aldehyde	ND		0.0142	0.0500
Gamma BHC	ND		0.0176	0.0500
Heptachlor	ND		0.0108	0.0500
Heptachlor epoxide	ND		0.0175	0.0500
Methoxychlor	ND		0.0193	0.0500
Toxaphene	ND		0.168	0.500
(S) Decachlorobiphenyl	*13.9*			*10.0-128*
(S) Tetrachloro-m-xylene	*69.4*			*10.0-127*

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

(LCS) R3986371-2 10/13/23 01:15 • (LCSD) R3986371-3 10/13/23 01:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4,4-DDD	1.00	0.916	0.912	91.6	91.2	56.0-140			0.438	22
4,4-DDE	1.00	0.802	0.767	80.2	76.7	52.0-128			4.46	22
4,4-DDT	1.00	0.904	0.882	90.4	88.2	50.0-141			2.46	23
Aldrin	1.00	0.870	0.844	87.0	84.4	22.0-124			3.03	34
Alpha BHC	1.00	0.946	0.935	94.6	93.5	54.0-130			1.17	23
Beta BHC	1.00	0.914	0.897	91.4	89.7	53.0-136			1.88	20
Delta BHC	1.00	0.883	0.922	88.3	92.2	54.0-133			4.32	20
Dieldrin	1.00	0.918	0.913	91.8	91.3	59.0-133			0.546	20
Endosulfan I	1.00	0.911	0.912	91.1	91.2	57.0-131			0.110	20
Endosulfan II	1.00	0.924	0.911	92.4	91.1	58.0-133			1.42	20
Endosulfan sulfate	1.00	0.900	0.903	90.0	90.3	58.0-133			0.333	21
Endrin	1.00	1.06	1.05	106	105	57.0-134			0.948	21

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

(LCS) R3986371-2 10/13/23 01:15 • (LCSD) R3986371-3 10/13/23 01:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Endrin aldehyde	1.00	0.866	0.881	86.6	88.1	53.0-129			1.72	20
Gamma BHC	1.00	0.959	0.944	95.9	94.4	55.0-129			1.58	20
Heptachlor	1.00	1.03	1.04	103	104	27.0-132			0.966	31
Heptachlor epoxide	1.00	0.938	0.923	93.8	92.3	57.0-130			1.61	20
Methoxychlor	1.00	1.02	1.05	102	105	54.0-155			2.90	24
(S) Decachlorobiphenyl				*31.3*	*76.4*	*10.0-128*				
(S) Tetrachloro-m-xylene				*74.3*	*87.0*	*10.0-127*				

Method Blank (MB)

(MB) R3984938-1 10/08/23 21:06

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
PCB 1016	ND		0.100	0.500
PCB 1221	ND		0.0730	0.500
PCB 1232	ND		0.0420	0.500
PCB 1242	ND		0.0470	0.500
PCB 1248	ND		0.0860	0.500
PCB 1254	ND		0.0470	0.500
PCB 1260	ND		0.120	0.500
(S) Decachlorobiphenyl	*26.0*			*10.0-128*
(S) Tetrachloro-m-xylene	*82.4*			*10.0-127*

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

(LCS) R3984938-2 10/08/23 21:32 • (LCSD) R3984938-3 10/08/23 21:41

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
PCB 1016	2.50	2.43	2.18	97.2	87.2	36.0-135			10.8	29
PCB 1260	2.50	2.27	1.90	90.8	76.0	42.0-131			17.7	25
(S) Decachlorobiphenyl				*67.6*	*55.6*	*10.0-128*				
(S) Tetrachloro-m-xylene				*87.6*	*77.8*	*10.0-127*				

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

Method Blank (MB)

(MB) R3986371-1 10/13/23 01:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
PCB 1016	ND		0.100	0.500
PCB 1221	ND		0.0730	0.500
PCB 1232	ND		0.0420	0.500
PCB 1242	ND		0.0470	0.500
PCB 1248	ND		0.0860	0.500
PCB 1254	ND		0.0470	0.500
PCB 1260	ND		0.120	0.500
(S) Decachlorobiphenyl	*15.7*			*10.0-128*
(S) Tetrachloro-m-xylene	*72.6*			*10.0-127*

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

(LCS) R3986371-4 10/13/23 01:33 • (LCSD) R3986371-5 10/13/23 01:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
PCB 1016	2.50	2.05	1.51	82.0	60.4	36.0-135		J3	30.3	29
PCB 1260	2.50	2.30	1.47	92.0	58.8	42.0-131		J3	44.0	25
(S) Decachlorobiphenyl				*48.7*	*14.5*	*10.0-128*				
(S) Tetrachloro-m-xylene				*80.7*	*62.5*	*10.0-127*				

Method Blank (MB)

(MB) R3986579-2 10/12/23 11:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,4,5-Tetrachlorobenzene	ND		2.41	10.0
1,2,4-Trichlorobenzene	ND		0.355	10.0
2,2-Oxybis(1-Chloropropane)	ND		0.445	10.0
2,3,4,6-Tetrachlorophenol	ND		2.00	10.0
2,4,5-Trichlorophenol	ND		0.236	10.0
2,4,6-Trichlorophenol	ND		0.297	10.0
2,4-Dichlorophenol	ND		0.284	10.0
2,4-Dimethylphenol	ND		0.624	10.0
2,4-Dinitrophenol	ND		3.25	10.0
2,4-Dinitrotoluene	ND		1.65	10.0
2,6-Dinitrotoluene	ND		0.279	10.0
2-Chloronaphthalene	ND		0.330	1.00
2-Chlorophenol	ND		0.283	10.0
2-Methylnaphthalene	ND		0.311	1.00
2-Methylphenol	ND		0.312	10.0
2-Nitroaniline	ND		1.90	10.0
2-Nitrophenol	ND		0.320	10.0
3&4-Methyl Phenol	ND		0.266	10.0
3,3-Dichlorobenzidine	ND		2.02	10.0
3-Nitroaniline	ND		0.308	10.0
4,6-Dinitro-2-methylphenol	ND		2.62	10.0
4-Bromophenyl-phenylether	ND		0.335	10.0
4-Chloro-3-methylphenol	ND		0.263	10.0
4-Chloroaniline	ND		0.382	10.0
4-Chlorophenyl-phenylether	ND		0.303	10.0
4-Nitroaniline	ND		0.349	10.0
4-Nitrophenol	ND		2.01	10.0
Acenaphthene	ND		0.316	1.00
Acenaphthylene	ND		0.309	1.00
Acetophenone	ND		2.71	10.0
Anthracene	ND		0.291	1.00
Benzo(A)Anthracene	ND		0.0975	1.00
Benzo(a)pyrene	ND		0.340	1.00
Benzo(b)fluoranthene	ND		0.0896	1.00
Benzo(g,h,i)perylene	ND		0.161	1.00
Benzo(k)fluoranthene	ND		0.355	1.00
Benzyl Alcohol	ND		0.393	10.0
Benzylbutyl phthalate	ND		0.275	3.00
Bis(2-Ethylhexyl)phthalate	ND		0.709	3.00
Bis(2-chlorethoxy)methane	ND		0.329	10.0

Method Blank (MB)

(MB) R3986579-2 10/12/23 11:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bis(2-chloroethyl)ether	ND		1.62	10.0
Chrysene	ND		0.332	1.00
Di-n-butyl phthalate	ND		0.266	3.00
Di-n-octyl phthalate	ND		0.278	3.00
Dibenz(a,h)anthracene	ND		0.279	1.00
Dibenzofuran	ND		0.338	10.0
Diethyl phthalate	ND		0.282	3.00
Dimethyl phthalate	ND		0.283	3.00
Diphenylamine	ND		1.19	10.0
Fluoranthene	ND		0.310	1.00
Fluorene	ND		0.323	1.00
Hexachloro-1,3-butadiene	ND		0.329	10.0
Hexachlorobenzene	ND		0.341	1.00
Hexachlorocyclopentadiene	ND		2.33	10.0
Hexachloroethane	ND		0.365	10.0
Indeno(1,2,3-cd)pyrene	ND		0.279	1.00
Isophorone	ND		0.272	10.0
Naphthalene	ND		0.372	1.00
Nitrobenzene	ND		0.367	10.0
Pentachlorophenol	ND		0.313	10.0
Phenanthrene	ND		0.366	1.00
Phenol	ND		0.334	10.0
Pyrene	ND		0.330	1.00
n-Nitrosodi-n-propylamine	ND		0.403	10.0
n-Nitrosodimethylamine	ND		1.26	10.0
n-Nitrosodiphenylamine	ND		1.19	10.0
(S) Phenol-d5	*18.9*			*10.0-120*
(S) 2,4,6-Tribromophenol	*46.8*			*10.0-155*
(S) p-Terphenyl-d14	*64.9*			*10.0-128*
(S) Nitrobenzene-d5	*53.8*			*10.0-127*
(S) 2-Fluorobiphenyl	*55.1*			*10.0-130*
(S) 2-Fluorophenol	*28.1*			*10.0-120*

Method Blank (MB)

(MB) R3987287-2 10/13/23 19:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,3,5-Trinitrobenzene	ND		1.32	10.0
1,3-Dinitrobenzene	ND		0.359	10.0
1,4-Naphthoquinone	ND		5.56	50.0
1-Naphthylamine	ND		0.289	10.0
2,6-Dichlorophenol	ND		2.77	10.0
2-Acetylaminofluorene	ND		0.253	10.0
2-Naphthylamine	ND		0.195	10.0
3,3-Dimethylbenzidine	ND		3.39	10.0
3-Methylcholanthrene	ND		0.164	10.0
4-Aminobiphenyl	ND		0.461	10.0
5-Nitro-o-toluidine	ND		1.99	10.0
Chlorobenzilate	ND		1.33	50.0
Diallate	ND		0.524	10.0
Dimethoate	ND		1.44	50.0
Dimethylbenz (A) Anthracene	ND		1.71	10.0
Dinoseb	ND		17.9	50.0
Diphenylamine	ND		1.19	10.0
Disulfoton	ND		0.267	10.0
Ethyl methanesulfonate	ND		0.326	10.0
Ethyl parathion	ND		0.379	10.0
Famphur	ND		1.06	20.0
Hexachloropropene	ND		0.149	50.0
Isodrin	ND		0.293	10.0
Isosafrole	ND		0.409	10.0
Kepone	ND		1.88	20.0
Methapyrilene	ND		4.25	50.0
Methyl methanesulfonate	ND		0.647	50.0
Methyl parathion	ND		0.213	10.0
O,O,O-Triethyl Phosphorothioate	ND		0.537	10.0
P-(Dimethylamino) Azobenzene	ND		0.208	10.0
Pentachlorobenzene	ND		0.369	10.0
Pentachloronitrobenzene	ND		0.327	10.0
Phenacetin	ND		0.262	10.0
Phorate	ND		0.382	50.0
Pronamide	ND		0.265	10.0
Safrole	ND		0.259	10.0
Thionazin	ND		0.204	10.0
n-Nitrosodi-n-butylamine	ND		0.331	10.0
n-Nitrosodiethylamine	ND		0.497	10.0

Method Blank (MB)

(MB) R3987287-2 10/13/23 19:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
n-Nitrosomethylethylamine	ND		1.71	10.0
n-Nitrosopiperidine	ND		0.268	10.0
n-Nitrosopyrrolidine	ND		2.55	10.0
o-Toluidine	ND		0.362	10.0
p-Phenylenediamine	ND		387	6900

Laboratory Control Sample (LCS)

(LCS) R3986579-1 10/12/23 11:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,4,5-Tetrachlorobenzene	50.0	28.3	56.6	31.0-121	
1,2,4-Trichlorobenzene	50.0	21.7	43.4	24.0-120	
2,2-Oxybis(1-Chloropropane)	50.0	29.5	59.0	28.0-120	
2,3,4,6-Tetrachlorophenol	50.0	30.8	61.6	42.0-132	
2,4,5-Trichlorophenol	50.0	29.8	59.6	44.0-120	
2,4,6-Trichlorophenol	50.0	29.4	58.8	42.0-120	
2,4-Dichlorophenol	50.0	23.2	46.4	36.0-120	
2,4-Dimethylphenol	50.0	25.1	50.2	33.0-120	
2,4-Dinitrophenol	50.0	36.9	73.8	10.0-120	
2,4-Dinitrotoluene	50.0	34.0	68.0	49.0-124	
2,6-Dinitrotoluene	50.0	34.4	68.8	46.0-120	
2-Chloronaphthalene	50.0	29.3	58.6	37.0-120	
2-Chlorophenol	50.0	24.1	48.2	25.0-120	
2-Methylnaphthalene	50.0	25.1	50.2	33.0-120	
2-Methylphenol	50.0	21.9	43.8	28.0-120	
2-Nitroaniline	50.0	33.2	66.4	43.0-120	
2-Nitrophenol	50.0	30.7	61.4	31.0-120	
3&4-Methyl Phenol	50.0	22.3	44.6	31.0-120	
3,3-Dichlorobenzidine	100	65.4	65.4	44.0-120	
3-Nitroaniline	50.0	30.9	61.8	38.0-120	
4,6-Dinitro-2-methylphenol	50.0	38.5	77.0	38.0-138	
4-Bromophenyl-phenylether	50.0	35.0	70.0	45.0-120	
4-Chloro-3-methylphenol	50.0	23.4	46.8	40.0-120	
4-Chloroaniline	50.0	22.2	44.4	25.0-120	
4-Chlorophenyl-phenylether	50.0	32.1	64.2	44.0-120	
4-Nitroaniline	50.0	30.1	60.2	18.0-160	
4-Nitrophenol	50.0	10.3	20.6	10.0-120	
Acenaphthene	50.0	30.7	61.4	41.0-120	

Laboratory Control Sample (LCS)

(LCS) R3986579-1 10/12/23 11:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	50.0	29.6	59.2	43.0-120	
Acetophenone	50.0	33.5	67.0	29.0-120	
Anthracene	50.0	32.7	65.4	45.0-120	
Benzo(A)Anthracene	50.0	35.0	70.0	47.0-120	
Benzo(a)pyrene	50.0	32.7	65.4	47.0-120	
Benzo(b)fluoranthene	50.0	34.3	68.6	46.0-120	
Benzo(g,h,i)perylene	50.0	29.2	58.4	48.0-121	
Benzo(k)fluoranthene	50.0	33.9	67.8	46.0-120	
Benzyl Alcohol	50.0	22.9	45.8	25.0-120	
Benzylbutyl phthalate	50.0	39.7	79.4	43.0-121	
Bis(2-Ethylhexyl)phthalate	50.0	35.9	71.8	43.0-122	
Bis(2-chlorethoxy)methane	50.0	28.5	57.0	33.0-120	
Bis(2-chloroethyl)ether	50.0	30.8	61.6	23.0-120	
Chrysene	50.0	33.6	67.2	48.0-120	
Di-n-butyl phthalate	50.0	40.6	81.2	49.0-121	
Di-n-octyl phthalate	50.0	35.7	71.4	42.0-125	
Dibenz(a,h)anthracene	50.0	31.8	63.6	47.0-120	
Dibenzofuran	50.0	29.6	59.2	44.0-120	
Diethyl phthalate	50.0	34.6	69.2	48.0-122	
Dimethyl phthalate	50.0	32.9	65.8	48.0-120	
Diphenylamine	50.0	31.4	62.8	35.0-120	
Fluoranthene	50.0	34.4	68.8	51.0-120	
Fluorene	50.0	31.6	63.2	47.0-120	
Hexachloro-1,3-butadiene	50.0	23.1	46.2	19.0-120	
Hexachlorobenzene	50.0	33.3	66.6	44.0-120	
Hexachlorocyclopentadiene	50.0	20.0	40.0	15.0-120	
Hexachloroethane	50.0	28.4	56.8	15.0-120	
Indeno(1,2,3-cd)pyrene	50.0	29.2	58.4	49.0-122	
Isophorone	50.0	27.8	55.6	36.0-120	
Naphthalene	50.0	24.9	49.8	27.0-120	
Nitrobenzene	50.0	27.8	55.6	27.0-120	
Pentachlorophenol	50.0	25.2	50.4	23.0-120	
Phenanthrene	50.0	33.4	66.8	46.0-120	
Phenol	50.0	12.0	24.0	10.0-120	
Pyrene	50.0	34.8	69.6	47.0-120	
n-Nitrosodi-n-propylamine	50.0	33.9	67.8	31.0-120	
n-Nitrosodimethylamine	50.0	18.0	36.0	10.0-120	
n-Nitrosodiphenylamine	50.0	31.4	62.8	47.0-120	
(S) Phenol-d5			*22.0*	*10.0-120*	
(S) 2,4,6-Tribromophenol			*61.5*	*10.0-155*	

Laboratory Control Sample (LCS)

(LCS) R3986579-1 10/12/23 11:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			*66.9*	*10.0-128*	
(S) Nitrobenzene-d5			*51.8*	*10.0-127*	
(S) 2-Fluorobiphenyl			*54.6*	*10.0-130*	
(S) 2-Fluorophenol			*29.6*	*10.0-120*	

Laboratory Control Sample (LCS)

(LCS) R3987287-1 10/13/23 19:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,3,5-Trinitrobenzene	50.0	39.8	79.6	37.0-147	
1,3-Dinitrobenzene	50.0	33.0	66.0	34.0-120	
1,4-Naphthoquinone	50.0	5.87	11.7	50.0-150	J4
1-Naphthylamine	50.0	25.0	50.0	19.0-120	
2,6-Dichlorophenol	50.0	23.1	46.2	19.0-136	
2-Acetylaminofluorene	50.0	32.0	64.0	32.0-120	
2-Naphthylamine	50.0	18.5	37.0	10.0-120	
3,3-Dimethylbenzidine	50.0	3.15	6.30	13.0-120	J4
3-Methylcholanthrene	50.0	36.2	72.4	30.0-160	
4-Aminobiphenyl	50.0	27.3	54.6	20.0-120	
5-Nitro-o-toluidine	50.0	34.2	68.4	34.0-120	
Chlorobenzilate	50.0	40.9	81.8	29.0-128	
Diallate	50.0	33.2	66.4	30.0-120	
Dimethoate	50.0	28.6	57.2	11.0-134	
Dimethylbenz (A) Anthracene	50.0	30.8	61.6	14.0-124	
Dinoseb	50.0	34.5	69.0	39.0-120	
Diphenylamine	50.0	31.0	62.0	35.0-120	
Disulfoton	50.0	34.7	69.4	32.0-120	
Ethyl methanesulfonate	50.0	24.4	48.8	10.0-120	
Ethyl parathion	50.0	36.5	73.0	46.0-130	
Famphur	50.0	37.6	75.2	32.0-120	
Hexachloropropene	50.0	22.6	45.2	10.0-120	
Isodrin	50.0	28.9	57.8	22.0-157	
Isosafrole	50.0	28.4	56.8	25.0-133	
Kepone	50.0	17.8	35.6	10.0-120	
Methapyrilene	50.0	5.76	11.5	10.0-120	
Methyl methanesulfonate	50.0	20.7	41.4	10.0-120	
Methyl parathion	50.0	43.8	87.6	42.0-120	
O,O,O-Triethyl Phosphorothioate	50.0	27.0	54.0	11.0-135	

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

Laboratory Control Sample (LCS)

(LCS) R3987287-1 10/13/23 19:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
P-(Dimethylamino) Azobenzene	50.0	29.3	58.6	27.0-120	
Pentachlorobenzene	50.0	30.1	60.2	25.0-120	
Pentachloronitrobenzene	50.0	34.9	69.8	34.0-132	
Phenacetin	50.0	30.4	60.8	34.0-127	
Phorate	50.0	37.8	75.6	13.0-160	
Pronamide	50.0	37.9	75.8	38.0-130	
Safrole	50.0	26.5	53.0	21.0-120	
Thionazin	50.0	34.9	69.8	38.0-121	
n-Nitrosodi-n-butylamine	50.0	28.8	57.6	13.0-143	
n-Nitrosodiethylamine	50.0	23.1	46.2	10.0-120	
n-Nitrosomethylethylamine	50.0	19.7	39.4	10.0-120	
n-Nitrosopiperidine	50.0	23.3	46.6	10.0-160	
n-Nitrosopyrrolidine	50.0	23.7	47.4	10.0-124	
o-Toluidine	50.0	19.3	38.6	10.0-120	
p-Phenylenediamine	50.0	0.000	0.000	50.0-150	J4

L1663622-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663622-23 10/12/23 13:22 • (MS) R3986579-3 10/12/23 13:44 • (MSD) R3986579-4 10/12/23 14:06

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2,4,5-Tetrachlorobenzene	45.5	ND	21.2	24.7	46.6	51.9	1	19.0-122			15.3	32
1,2,4-Trichlorobenzene	45.5	ND	17.1	18.8	37.6	39.5	1	15.0-120			9.47	31
2,2-Oxybis(1-Chloropropane)	45.5	ND	24.2	26.4	53.2	55.5	1	18.0-120			8.70	34
2,3,4,6-Tetrachlorophenol	45.5	ND	ND	ND	46.6	58.2	1	17.0-142			26.6	34
2,4,5-Trichlorophenol	45.5	ND	18.6	25.6	40.9	53.8	1	33.0-120		J3	31.7	31
2,4,6-Trichlorophenol	45.5	ND	17.3	24.3	38.0	51.1	1	26.0-120		J3	33.7	31
2,4-Dichlorophenol	45.5	ND	13.2	18.7	29.0	39.3	1	19.0-120		J3	34.5	27
2,4-Dimethylphenol	45.5	ND	11.8	20.9	25.9	43.9	1	15.0-120		J3	55.7	28
2,4-Dinitrophenol	45.5	ND	ND	ND	56.0	68.1	1	10.0-120			23.8	40
2,4-Dinitrotoluene	45.5	ND	27.6	29.2	60.7	61.3	1	39.0-125			5.63	25
2,6-Dinitrotoluene	45.5	ND	27.9	29.4	61.3	61.8	1	36.0-120			5.24	27
2-Chloronaphthalene	45.5	ND	22.6	25.2	49.7	52.9	1	29.0-120			10.9	28
2-Chlorophenol	45.5	ND	15.0	20.3	33.0	42.6	1	18.0-120			30.0	34
2-Methylnaphthalene	45.5	ND	18.9	21.0	41.5	44.1	1	17.0-120			10.5	28
2-Methylphenol	45.5	ND	13.5	18.9	29.7	39.7	1	10.0-120		J3	33.3	30
2-Nitroaniline	45.5	ND	ND	ND	60.9	63.0	1	33.0-120			7.97	27
2-Nitrophenol	45.5	ND	18.4	24.2	40.4	50.8	1	20.0-120			27.2	30
3&4-Methyl Phenol	45.5	ND	14.1	19.2	31.0	40.3	1	10.0-120			30.6	36

L1663622-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663622-23 10/12/23 13:22 • (MS) R3986579-3 10/12/23 13:44 • (MSD) R3986579-4 10/12/23 14:06

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
3,3-Dichlorobenzidine	91.0	ND	52.6	56.1	57.8	58.9	1	10.0-134			6.44	30
3-Nitroaniline	45.5	ND	ND	ND	54.7	59.2	1	20.0-120			12.4	27
4,6-Dinitro-2-methylphenol	45.5	ND	ND	ND	61.1	68.7	1	10.0-144			16.2	39
4-Bromophenyl-phenylether	45.5	ND	ND	ND	57.8	61.6	1	37.0-120			10.8	24
4-Chloro-3-methylphenol	45.5	ND	13.7	19.7	30.1	41.4	1	26.0-120		J3	35.9	27
4-Chloroaniline	45.5	ND	15.7	18.7	34.5	39.3	1	10.0-120			17.4	31
4-Chlorophenyl-phenylether	45.5	ND	24.2	26.6	53.2	55.9	1	36.0-120			9.45	23
4-Nitroaniline	45.5	ND	ND	ND	51.4	56.1	1	10.0-160			13.2	26
4-Nitrophenol	45.5	ND	ND	ND	17.3	17.6	1	10.0-120			6.04	40
Acenaphthene	45.5	ND	23.4	26.6	51.4	55.9	1	28.0-120			12.8	25
Acenaphthylene	45.5	ND	23.1	25.7	50.8	54.0	1	31.0-121			10.7	25
Acetophenone	45.5	ND	27.0	30.2	59.3	63.4	1	20.0-120			11.2	35
Anthracene	45.5	ND	26.2	27.6	57.6	58.0	1	36.0-120			5.20	23
Benzo(A)Anthracene	45.5	ND	24.8	28.4	54.5	59.7	1	39.0-120			13.5	23
Benzo(a)pyrene	45.5	ND	21.0	25.4	46.2	53.4	1	37.0-120			19.0	24
Benzo(b)fluoranthene	45.5	ND	22.2	26.4	48.8	55.5	1	37.0-120			17.3	23
Benzo(g,h,i)perylene	45.5	ND	17.6	21.7	38.7	45.6	1	37.0-123			20.9	25
Benzo(k)fluoranthene	45.5	ND	22.1	26.1	48.6	54.8	1	37.0-120			16.6	26
Benzyl Alcohol	45.5	ND	17.7	21.1	38.9	44.3	1	14.0-120			17.5	38
Benzylbutyl phthalate	45.5	ND	31.0	34.3	68.1	72.1	1	34.0-126			10.1	24
Bis(2-Ethylhexyl)phthalate	45.5	ND	21.7	26.5	47.7	55.7	1	33.0-126			19.9	25
Bis(2-chlorethoxy)methane	45.5	ND	23.3	25.6	51.2	53.8	1	17.0-120			9.41	31
Bis(2-chloroethyl)ether	45.5	ND	27.5	31.6	60.4	66.4	1	14.0-120			13.9	33
Chrysene	45.5	ND	23.9	27.3	52.5	57.4	1	38.0-120			13.3	23
Di-n-butyl phthalate	45.5	ND	32.2	33.5	70.8	70.4	1	35.0-128			3.96	23
Di-n-octyl phthalate	45.5	ND	21.2	26.0	46.6	54.6	1	25.0-135			20.3	26
Dibenz(a,h)anthracene	45.5	ND	ND	23.5	41.3	49.4	1	36.0-121			22.2	24
Dibenzofuran	45.5	ND	22.9	25.9	50.3	54.4	1	32.0-120			12.3	26
Diethyl phthalate	45.5	ND	29.3	30.1	64.4	63.2	1	39.0-125			2.69	24
Dimethyl phthalate	45.5	ND	26.1	28.4	57.4	59.7	1	37.0-120			8.44	24
Diphenylamine	45.5	ND	26.0	26.6	57.1	55.9	1	35.0-120			2.28	30
Fluoranthene	45.5	ND	27.5	28.5	60.4	59.9	1	41.0-121			3.57	22
Fluorene	45.5	ND	23.4	26.1	51.4	54.8	1	37.0-120			10.9	24
Hexachloro-1,3-butadiene	45.5	ND	17.3	19.6	38.0	41.2	1	12.0-120			12.5	34
Hexachlorobenzene	45.5	ND	25.3	28.1	55.6	59.0	1	35.0-122			10.5	24
Hexachlorocyclopentadiene	45.5	ND	ND	ND	24.2	37.0	1	10.0-120		J3	46.2	33
Hexachloroethane	45.5	ND	22.0	24.2	48.4	50.8	1	10.0-120			9.52	40
Indeno(1,2,3-cd)pyrene	45.5	ND	17.2	21.5	37.8	45.2	1	38.0-125	J6		22.2	24
Isophorone	45.5	ND	21.8	24.4	47.9	51.3	1	21.0-120			11.3	27
Naphthalene	45.5	ND	19.2	21.2	42.2	44.5	1	10.0-120			9.90	31

L1663622-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663622-23 10/12/23 13:22 • (MS) R3986579-3 10/12/23 13:44 • (MSD) R3986579-4 10/12/23 14:06

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrobenzene	45.5	ND	22.6	24.1	49.7	50.6	1	12.0-120			6.42	30
Pentachlorophenol	45.5	ND	ND	ND	42.4	47.7	1	10.0-128			16.2	37
Phenanthrene	45.5	ND	26.1	27.8	57.4	58.4	1	33.0-120			6.31	22
Phenol	45.5	ND	11.4	10.6	25.1	22.3	1	10.0-120			7.27	40
Pyrene	45.5	ND	28.0	30.1	61.5	63.2	1	39.0-120			7.23	22
n-Nitrosodi-n-propylamine	45.5	ND	26.7	30.6	58.7	64.3	1	16.0-120			13.6	30
n-Nitrosodimethylamine	45.5	ND	16.2	17.5	35.6	36.8	1	10.0-120			7.72	40
n-Nitrosodiphenylamine	45.5	ND	26.0	26.6	57.1	55.9	1	37.0-120			2.28	24
(S) Phenol-d5					*18.6*	*20.0*		*10.0-120*				
(S) 2,4,6-Tribromophenol					*43.7*	*53.2*		*10.0-155*				
(S) p-Terphenyl-d14					*50.8*	*56.9*		*10.0-128*				
(S) Nitrobenzene-d5					*45.8*	*46.5*		*10.0-127*				
(S) 2-Fluorobiphenyl					*47.3*	*48.6*		*10.0-130*				
(S) 2-Fluorophenol					*23.3*	*27.2*		*10.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P	RPD between the primary and confirmatory analysis exceeded 40%.
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

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

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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

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-00013

Collected by (print): Chris Fincher

Site/Facility ID # AR03

P.O. #

Collected by (signature): [signature]

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

Immediately Packed on Ice N ___ Y X

SDG # L1664045

F067

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8081/8082 100ml Amb-NoPres	8270AP9 100ml Amb NoPres	CHLORIDE 125mlHDPE-NoPres	CHLORIDE,SULFATE 125mlHDPE-NoPres	CN 250mlHDPEAmb-NaOH (>12, RW)	Metals 250mlHDPE-HNO3 (<2)	NH3 250mlHDPE-H2SO4 (<2)	SULFIDE 250mlAmb-S-NaOH+ZnAc	SV8151 1L-Amb-No Pres	TDS 1L-HDPE NoPres	Remarks	Sample # (lab only)
LGW-6	Grab	GW	51.15	10.5.23	1355	16	X	X		X	X	X	X	X	X	X		-01
LGW-7	↓	GW	44.55	10.5.23	1700	4			X			X	X					-02
LGW-8R	↓	GW	11.20	10.5.23	1735	4			X			X	X					-03
LGW-9	↓	GW	55.45	10.5.23	1900	16	X	X		X	X	X	X	X	X	X		-04
LGW-10	↓	GW	61.25	10.5.23	1815	16	X	X		X	X	X	X	X	X	X		-05
LGW-14R	↓	GW	58.30	10.5.23	1325	2			X				X					-06
~~MW-7N~~		GW				3			X				X					
~~MW-15~~		GW				2			X				X					
~~MW-16~~		GW				2			X				X					
~~MW-17~~		GW				2			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 ______

PH-10BDH4321 TRC-2362362
CR6-20221V
PH-10BDH4321 TRC-2362362
CR6-20221V

Samples returned via:
__ UPS __ FedEx __ Courier ________

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP X 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: ✓ __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: XY __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No HCL / MeoH TBR	
[signature]	10.6.23	1200		2	
Relinquished by : (Signature)	**Date:**	**Time:**	**Received by: (Signature)**	Temp: CCAS °C 5.7±0	Bottles Received: 101
Relinquished by : (Signature)	**Date:**	**Time:**	**Received for lab by: (Signature)**	Date: 10/7/23	Time: 0900
			Christopher L. Gallien (CE)		

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 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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8081/8082 100ml Amb-NoPres	8270AP9 100ml Amb NoPres	CHLORIDE 125mlHDPE-NoPres	CHLORIDE,SULFATE 125mlHDPE-NoPres	CN 250mlHDPEAmb-NaOH	Metals 250mlHDPE-HNO3	NH3 250mlHDPE-H2SO4	SULFIDE 250mlAmb-S-NaOH+ZnAc	SV8151 1L-Amb-No Pres	TDS 1L-HDPE NoPres	Remarks	Sample # (lab only)
~~NE-14S~~		GW				7				X		X				X		
NE-15D	Grab	GW	48.75	10.6.23	1000	7				X		X				X		-07
~~NE-15S~~ Dry		GW				7				X		X				X		
MW-3N	Grab	GW	44.35	10.6.23	0825	7				X		X				X		-06
MW-8N	Grab	GW	30.30	10.5.23	1455	15	X	X		X	X	X		X	X	X		-04
MW-21	Grab	GW	24.00	10.6.23	0915	7				X		X				X		-10
NE-9	Grab	GW	11.20	10.6.23	1040	7				X		X				X		-11
~~FB~~		GW				8				X		X	X			X		
TRIP BLANK		GW				~~8~~ 7												-72
		GW				7				X		X				X		

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 # L1166405

Table #

Acctnum: **WMECOVISAR**
Template: **T238606**
Prelogin: **P1026525**
PM: **616 - Stacy Kennedy**
PB: 9/26/25 TLS
Shipped Via: **FedEX Ground**

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP X 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: X Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No HCL / MeoH TBR	
	10.6.23	1200			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.8 °C Bottles Received: 5.7.10	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Christopher L Sellers	Date: 10/7/23 Time: 0900	Hold: / Condition: NCF / (OK)

ANALYTICAL REPORT

December 20, 2023

Revised Report

Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1674004
Samples Received:	11/04/2023
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.

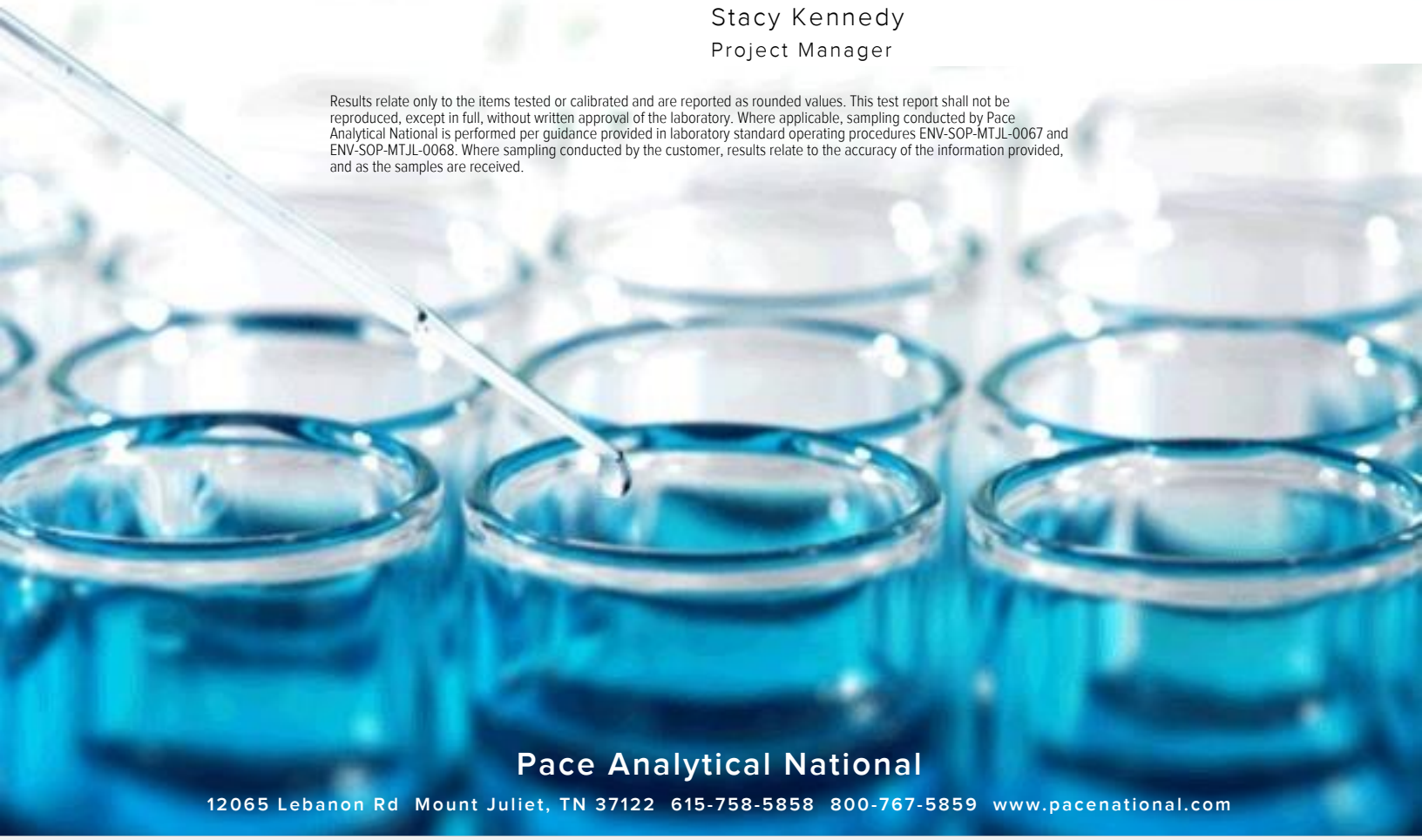


TABLE OF CONTENTS

LCS-1 L1674004-01 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 12:30 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165885	500	11/07/23 14:53	11/07/23 14:53	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	10	11/12/23 17:54	11/12/23 17:54	ASM	Mt. Juliet, TN

LCS-2 L1674004-02 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 13:00 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165885	500	11/07/23 14:12	11/07/23 14:12	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	10	11/12/23 18:04	11/12/23 18:04	ASM	Mt. Juliet, TN

LCS-3 L1674004-03 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 13:30 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165885	500	11/07/23 14:13	11/07/23 14:13	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	10	11/12/23 18:14	11/12/23 18:14	ASM	Mt. Juliet, TN

LCS-4 L1674004-04 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 14:00 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165885	500	11/07/23 14:15	11/07/23 14:15	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	10	11/12/23 18:42	11/12/23 18:42	ASM	Mt. Juliet, TN

LCS-5 L1674004-05 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 14:30 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165885	500	11/07/23 14:16	11/07/23 14:16	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	20	11/12/23 18:52	11/12/23 18:52	ASM	Mt. Juliet, TN

LCS-6 L1674004-06 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 15:00 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165885	500	11/07/23 14:18	11/07/23 14:18	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	10	11/12/23 19:01	11/12/23 19:01	ASM	Mt. Juliet, TN

LCS-7 L1674004-07 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 15:30 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165885	500	11/07/23 14:24	11/07/23 14:24	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	10	11/12/23 19:11	11/12/23 19:11	ASM	Mt. Juliet, TN

LCS-8 L1674004-08 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 16:00 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165885	200	11/07/23 14:25	11/07/23 14:25	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	10	11/12/23 19:20	11/12/23 19:20	ASM	Mt. Juliet, TN

LCS-9 L1674004-09 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 16:30 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165885	200	11/07/23 14:27	11/07/23 14:27	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	10	11/12/23 19:30	11/12/23 19:30	ASM	Mt. Juliet, TN

LCS-10 L1674004-10 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 17:00 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165885	200	11/07/23 14:28	11/07/23 14:28	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	10	11/12/23 19:39	11/12/23 19:39	ASM	Mt. Juliet, TN

LCS-11 L1674004-11 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 17:30 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165885	500	11/07/23 14:30	11/07/23 14:30	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	20	11/12/23 19:49	11/12/23 19:49	ASM	Mt. Juliet, TN

LCS-12 L1674004-12 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 18:00 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165885	200	11/07/23 14:31	11/07/23 14:31	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	10	11/12/23 19:58	11/12/23 19:58	ASM	Mt. Juliet, TN

LDS-1 L1674004-13 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 12:45 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165885	5	11/07/23 14:33	11/07/23 14:33	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	5	11/12/23 20:08	11/12/23 20:08	ASM	Mt. Juliet, TN

LDS-2 L1674004-14 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 13:15 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165886	5	11/07/23 15:12	11/07/23 15:12	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	5	11/12/23 20:36	11/12/23 20:36	ASM	Mt. Juliet, TN

LDS-3 L1674004-15 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 13:45 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165886	100	11/07/23 15:14	11/07/23 15:14	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	10	11/12/23 20:46	11/12/23 20:46	ASM	Mt. Juliet, TN

LDS-4 L1674004-16 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 14:15 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165886	200	11/07/23 15:15	11/07/23 15:15	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	10	11/12/23 20:55	11/12/23 20:55	ASM	Mt. Juliet, TN

LDS-6 L1674004-17 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 15:15 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165886	50	11/07/23 15:17	11/07/23 15:17	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	10	11/12/23 21:05	11/12/23 21:05	ASM	Mt. Juliet, TN

LDS-7 L1674004-18 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 15:45 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165886	200	11/07/23 15:18	11/07/23 15:18	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	1	11/12/23 17:17	11/12/23 17:17	ASM	Mt. Juliet, TN

LDS-8 L1674004-19 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 16:15 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165886	100	11/07/23 15:20	11/07/23 15:20	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	10	11/12/23 21:14	11/12/23 21:14	ASM	Mt. Juliet, TN

LDS-9 L1674004-20 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 16:45 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165886	20	11/07/23 15:21	11/07/23 15:21	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169342	1	11/12/23 21:24	11/12/23 21:24	ASM	Mt. Juliet, TN

LDS-10 L1674004-21 GW

Collected by: Chris Fincher | Collected date/time: 11/01/23 17:15 | Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165886	200	11/07/23 15:23	11/07/23 15:23	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169351	10	11/12/23 16:02	11/12/23 16:02	ASM	Mt. Juliet, TN

SAMPLE SUMMARY

LDS-11 L1674004-22 GW

Collected by: Chris Fincher
Collected date/time: 11/01/23 17:45
Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165886	500	11/07/23 15:29	11/07/23 15:29	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169351	20	11/12/23 16:16	11/12/23 16:16	ASM	Mt. Juliet, TN

LDS-12 L1674004-23 GW

Collected by: Chris Fincher
Collected date/time: 11/01/23 18:15
Received date/time: 11/04/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2165886	100	11/07/23 15:30	11/07/23 15:30	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169351	20	11/12/23 16:30	11/12/23 16:30	ASM	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

Report Revision History

Level II Report - Version 1: 11/19/23 15:06

Project Comments

Report revised to include field forms and on-site data. SK 12/19/23

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
WG2165885	350.1	L1674004-01, 02, 03, 04, 05, 07, 09, 10, 11, 12
WG2165886	350.1	L1674004-15, 16, 18, 19, 21, 22, 23

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2169342	(MS) R3998972-4, (MSD) R3998972-5, L1674004-18	Chloride

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

Batch	Lab Sample ID	Analytes
WG2169342	(MS) R3998972-7, L1674004-20	Chloride

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

Analyte	Result	Units
pH (On Site)	7.64	su
Specific Conductance (on site)	14185	umhos/cm
Temperature (on-site)	18.4	Deg. C
Turbidity (on-site)	149.33	NTU
Dissolved Oxygen (on-site)	6.57	mg/l
eH/ORP (On Site)	-267	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	2120		15.8	500	11/07/2023 14:53	WG2165885

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1850		3.00	10	11/12/2023 17:54	WG2169342

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)	14264	umhos/cm
Temperature (on-site)	14.9	Deg. C
Turbidity (on-site)	1301.61	NTU
Dissolved Oxygen (on-site)	3.06	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	1440		15.8	500	11/07/2023 14:12	WG2165885

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1860		3.00	10	11/12/2023 18:04	WG2169342

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

Analyte	Result	Units
pH (On Site)	7.28	su
Specific Conductance (on site)	15348	umhos/cm
Temperature (on-site)	17.7	Deg. C
Turbidity (on-site)	12.72	NTU
Dissolved Oxygen (on-site)	3.71	mg/l
eH/ORP (On Site)	-196	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1400		15.8	500	11/07/2023 14:13	WG2165885

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1580		3.00	10	11/12/2023 18:14	WG2169342

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)	19053	umhos/cm
Temperature (on-site)	25.8	Deg. C
Turbidity (on-site)	61.56	NTU
Dissolved Oxygen (on-site)	2.1	mg/l
eH/ORP (On Site)	-215.8	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	11/07/2023 14:15	WG2165885

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1580		3.00	10	11/12/2023 18:42	WG2169342

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

Analyte	Result	Units
pH (On Site)	8.06	su
Specific Conductance (on site)	27429	umhos/cm
Temperature (on-site)	27.3	Deg. C
Turbidity (on-site)	114.72	NTU
Dissolved Oxygen (on-site)	1.92	mg/l
eH/ORP (On Site)	-295.3	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	11/07/2023 14:16	WG2165885

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2330		3.00	20	11/12/2023 18:52	WG2169342

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	712		15.8	500	11/07/2023 14:18	WG2165885

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1040		3.00	10	11/12/2023 19:01	WG2169342

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)	20197	umhos/cm
Temperature (on-site)	26.7	Deg. C
Turbidity (on-site)	32.23	NTU
Dissolved Oxygen (on-site)	4.02	mg/l
eH/ORP (On Site)	-170.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1220		15.8	500	11/07/2023 14:24	WG2165885

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1850		3.00	10	11/12/2023 19:11	WG2169342

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)	13539	umhos/cm
Temperature (on-site)	23	Deg. C
Turbidity (on-site)	16.08	NTU
Dissolved Oxygen (on-site)	5.61	mg/l
eH/ORP (On Site)	-46.4	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	808		6.34	200	11/07/2023 14:25	WG2165885

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1090		3.00	10	11/12/2023 19:20	WG2169342

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

Analyte	Result	Units
pH (On Site)	7.4	su
Specific Conductance (on site)	16683	umhos/cm
Temperature (on-site)	28.5	Deg. C
Turbidity (on-site)	26.23	NTU
Dissolved Oxygen (on-site)	4.63	mg/l
eH/ORP (On Site)	-39.9	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1180		6.34	200	11/07/2023 14:27	WG2165885

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1520		3.00	10	11/12/2023 19:30	WG2169342

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)	20733	umhos/cm
Temperature (on-site)	31.7	Deg. C
Turbidity (on-site)	41.47	NTU
Dissolved Oxygen (on-site)	2.51	mg/l
eH/ORP (On Site)	-248.7	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	11/07/2023 14:28	WG2165885

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1950		3.00	10	11/12/2023 19:39	WG2169342

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

Analyte	Result	Units
pH (On Site)	7.99	su
Specific Conductance (on site)	28518	umhos/cm
Temperature (on-site)	29	Deg. C
Turbidity (on-site)	391.33	NTU
Dissolved Oxygen (on-site)	5.6	mg/l
eH/ORP (On Site)	-120	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	2550		15.8	500	11/07/2023 14:30	WG2165885

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2450		3.00	20	11/12/2023 19:49	WG2169342

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

Analyte	Result	Units
pH (On Site)	7.47	su
Specific Conductance (on site)	20795	umhos/cm
Temperature (on-site)	30.3	Deg. C
Turbidity (on-site)	880.71	NTU
Dissolved Oxygen (on-site)	4.89	mg/l
eH/ORP (On Site)	-206.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1490		6.34	200	11/07/2023 14:31	WG2165885

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1760		3.00	10	11/12/2023 19:58	WG2169342

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

Analyte	Result	Units
pH (On Site)	6.69	su
Specific Conductance (on site)	5750	umhos/cm
Temperature (on-site)	18.8	Deg. C
Turbidity (on-site)	2.96	NTU
Dissolved Oxygen (on-site)	3.62	mg/l
eH/ORP (On Site)	-157.8	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	19.9		0.158	5	11/07/2023 14:33	WG2165885

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	425		3.00	5	11/12/2023 20:08	WG2169342

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

Analyte	Result	Units
pH (On Site)	6.69	su
Specific Conductance (on site)	4172	umhos/cm
Temperature (on-site)	14	Deg. C
Turbidity (on-site)	6.63	NTU
Dissolved Oxygen (on-site)	461	mg/l
eH/ORP (On Site)	-153.9	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	9.13		0.158	5	11/07/2023 15:12	WG2165886

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	357		3.00	5	11/12/2023 20:36	WG2169342

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)	18488	umhos/cm
Temperature (on-site)	18.3	Deg. C
Turbidity (on-site)	27.85	NTU
Dissolved Oxygen (on-site)	4.17	mg/l
eH/ORP (On Site)	-129.9	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	188		3.17	100	11/07/2023 15:14	WG2165886

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1790		3.00	10	11/12/2023 20:46	WG2169342

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

Analyte	Result	Units
pH (On Site)	7.27	su
Specific Conductance (on site)	16873	umhos/cm
Temperature (on-site)	23	Deg. C
Turbidity (on-site)	15.24	NTU
Dissolved Oxygen (on-site)	1.69	mg/l
eH/ORP (On Site)	-227.7	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	957		6.34	200	11/07/2023 15:15	WG2165886

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1030		3.00	10	11/12/2023 20:55	WG2169342

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)	14237	umhos/cm
Temperature (on-site)	21	Deg. C
Turbidity (on-site)	1.72	NTU
Dissolved Oxygen (on-site)	3.27	mg/l
eH/ORP (On Site)	-112.9	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	187		1.58	50	11/07/2023 15:17	WG2165886

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1360		3.00	10	11/12/2023 21:05	WG2169342

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)	20197	umhos/cm
Temperature (on-site)	26.7	Deg. C
Turbidity (on-site)	52.23	NTU
Dissolved Oxygen (on-site)	4.02	mg/l
eH/ORP (On Site)	-170.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	130		6.34	200	11/07/2023 15:18	WG2165886

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	198	V	3.00	1	11/12/2023 17:17	WG2169342

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)	14291	umhos/cm
Temperature (on-site)	25.7	Deg. C
Turbidity (on-site)	509.61	NTU
Dissolved Oxygen (on-site)	3.8	mg/l
eH/ORP (On Site)	-92	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	805		3.17	100	11/07/2023 15:20	WG2165886

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1080		3.00	10	11/12/2023 21:14	WG2169342

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

Analyte	Result	Units
pH (On Site)	6.18	su
Specific Conductance (on site)	1864	umhos/cm
Temperature (on-site)	24.8	Deg. C
Turbidity (on-site)	22.14	NTU
Dissolved Oxygen (on-site)	3.85	mg/l
eH/ORP (On Site)	-88.1	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	9.28		0.634	20	11/07/2023 15:21	WG2165886

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	73.1	J6	3.00	1	11/12/2023 21:24	WG2169342

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

Analyte	Result	Units
pH (On Site)	7	su
Specific Conductance (on site)	11860	umhos/cm
Temperature (on-site)	17.4	Deg. C
Turbidity (on-site)	22.45	NTU
Dissolved Oxygen (on-site)	4.03	mg/l
eH/ORP (On Site)	-192.2	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	489		6.34	200	11/07/2023 15:23	WG2165886

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	897		3.00	10	11/12/2023 16:02	WG2169351

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)	29498	umhos/cm
Temperature (on-site)	26.3	Deg. C
Turbidity (on-site)	189.03	NTU
Dissolved Oxygen (on-site)	1.97	mg/l
eH/ORP (On Site)	-254.8	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1660		15.8	500	11/07/2023 15:29	WG2165886

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2510		3.00	20	11/12/2023 16:16	WG2169351

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

Analyte	Result	Units
pH (On Site)	7.12	su
Specific Conductance (on site)	15837	umhos/cm
Temperature (on-site)	26.5	Deg. C
Turbidity (on-site)	30.89	NTU
Dissolved Oxygen (on-site)	2.14	mg/l
eH/ORP (On Site)	-188.5	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	555		3.17	100	11/07/2023 15:30	WG2165886

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1070		3.00	20	11/12/2023 16:30	WG2169351

QUALITY CONTROL SUMMARY

L1674004-01,02,03,04,05,06,07,08,09,10,11,12,13

Method Blank (MB)

(MB) R3996650-1 11/07/23 13:45

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

L1673888-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1673888-03 11/07/23 13:51 • (DUP) R3996650-4 11/07/23 13:52

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

L1673956-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1673956-02 11/07/23 14:48 • (DUP) R3996650-10 11/07/23 14:50

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	23.8	24.1	5	1.18		10

Laboratory Control Sample (LCS)

(LCS) R3996650-2 11/07/23 13:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.54	101	90.0-110	

L1673888-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1673888-02 11/07/23 13:48 • (MS) R3996650-3 11/07/23 13:49

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	ND	4.71	94.2	1	90.0-110	

L1673956-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1673956-01 11/07/23 14:44 • (MS) R3996650-8 11/07/23 14:45 • (MSD) R3996650-9 11/07/23 14:47

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	7.40	12.6	12.6	105	103	5	90.0-110			0.492	10

Method Blank (MB)

(MB) R3996676-1 11/07/23 15:09

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

L1674016-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1674016-03 11/07/23 15:38 • (DUP) R3996676-5 11/07/23 15:39

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

L1674038-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1674038-09 11/07/23 15:53 • (DUP) R3996676-7 11/07/23 15:54

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

Laboratory Control Sample (LCS)

(LCS) R3996676-2 11/07/23 15:11

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.66	102	90.0-110	

L1674016-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1674016-02 11/07/23 15:33 • (MS) R3996676-3 11/07/23 15:35 • (MSD) R3996676-4 11/07/23 15:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	ND	4.96	4.91	99.3	98.3	1	90.0-110			0.992	10

L1674038-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1674038-08 11/07/23 15:50 • (MS) R3996676-6 11/07/23 15:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	1.61	6.76	103	1	90.0-110	

Method Blank (MB)

(MB) R3998972-1 11/12/23 12:59

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.104		0.0519	1.00

L1674004-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1674004-18 11/12/23 17:17 • (DUP) R3998972-3 11/12/23 17:26

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	198	197	1	0.109		15

L1674004-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1674004-20 11/12/23 21:24 • (DUP) R3998972-6 11/12/23 21:33

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	73.1	73.0	1	0.102		15

Laboratory Control Sample (LCS)

(LCS) R3998972-2 11/12/23 13:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.8	99.6	80.0-120	

L1674004-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1674004-18 11/12/23 17:17 • (MS) R3998972-4 11/12/23 17:35 • (MSD) R3998972-5 11/12/23 17:45

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	198	197	197	0.000	0.000	1	80.0-120	V	V	0.0457	15

L1674004-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1674004-20 11/12/23 21:24 • (MS) R3998972-7 11/12/23 21:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	73.1	98.6	63.8	1	80.0-120	J6

Method Blank (MB)

(MB) R3998916-1 11/12/23 13:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.410	J	0.0519	1.00

L1674038-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1674038-01 11/12/23 16:43 • (DUP) R3998916-3 11/12/23 16:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	22.4	22.0	1	2.04		15

L1675153-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1675153-03 11/12/23 21:31 • (DUP) R3998916-6 11/12/23 21:45

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	5.15	5.05	1	1.99		15

Laboratory Control Sample (LCS)

(LCS) R3998916-2 11/12/23 13:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.4	101	80.0-120	

L1674038-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1674038-01 11/12/23 16:43 • (MS) R3998916-4 11/12/23 17:11 • (MSD) R3998916-5 11/12/23 17:52

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	22.4	59.9	59.7	93.7	93.2	1	80.0-120			0.360	15

L1675153-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1675153-03 11/12/23 21:31 • (MS) R3998916-7 11/12/23 21:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	5.15	45.3	100	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:	Billing Information:	Pres Chk	Analysis / Container / Preservative	Chain of Custody Page 1 of 3
Eco-Vista (Tontitown)LF 88 Joyce Lane Russellville, AR 72801	jreyno10@wm.com P.O. Box 4745 WM A/P DEPARTMENT Portland, OR 97208-4745		CHLORIDE 125mlHDPE-NoPres; NH3 250mlHDPE-H2SO4 (<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
Report to: Jodi Reynolds	Email To: ciara.childers.beavers@jettenviro.com;jeffholm			SDG # L1674004 D149
Project Description: Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, De	City/State Collected:	Please Circle: PT MT CT ET		Acctnum: WMECOVISAR
Phone: 501-993-8966	Client Project # 300	Lab Project # WMECOVISAR-00005		Template: T161046
Collected by (print): Chris Fincher	Site/Facility ID # AR03	P.O. #		Prelogin: P1032625
Collected by (signature): [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		PM: 616 - Stacy Kennedy PB: 10/26/23 SB 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	11.1.23	1230	2	X	X		-01
LCS-2	↓	GW	↓	↓	1300	2	X	X		-02
LCS-3	↓	GW	↓	↓	1330	2	X	X		-03
LCS-4	↓	GW	↓	↓	1400	2	X	X		-04
LCS-5	↓	GW	↓	↓	1430	2	X	X		-05
LCS-6	↓	GW	↓	↓	1500	2	X	X		-06
LCS-7	↓	GW	↓	↓	1530	2	X	X		-07
LCS-8	↓	GW	↓	↓	1600	2	X	X		-08
LCS-9	↓	GW	↓	↓	1630	2	X	X		-09
LCS-10	↓	GW	↓	↓	1700	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 # 7123 3304 8394

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	
[signature]	11.2.23	1100			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.8 °C Bottles Received: 46	If preservation required by Login: Date/Time PH-10BDH4321 TRC-2362362 CR6-20221V PH-10BDH4321 TRC-2362362 CR6-20221V
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 11/04/23 Time: 0900	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 Fiveler

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

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4									
LCS-11	Grab	GW	N/A	11.1.23	1730	2	X	X									-11
LCS-12		GW			1800	2	X	X									-12
LDS-1		GW			1245	2	X	X									-13
LDS-2		GW			1315	2	X	X									-14
LDS-3		GW			1345	2	X	X									-15
LDS-4		GW			1415	2	X	X									-16
~~LDS-5~~		GW				2	X	X									~~-17~~
LDS-6		GW			1515	2	X	X									-17
LDS-7		GW			1545	2	X	X									-18
LDS-8		GW			1615	2	X	X									-19

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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

SDG #

Table #

Acctnum: **WMECOVISAR**

Template: **T161046**

Prelogin: **P1032625**

PM: **616 - Stacy Kennedy**

PB: 10/26/23

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 # 7123 3304 8394

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: 11.2.23	Time: 1100	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.8 °C Bottles Received: cor 0.8+0=0.8
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/04/23 Time: 0900

If preservation required by Login: Date/Time

Hold: | Condition: NCF / OK

Company Name/Address:	Billing Information:	Pres Chk
Eco-Vista (Tontitown)LF 88 Joyce Lane Russellville, AR 72801	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	

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

Project Description:	City/State Collected:	Please Circle:
Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, De		PT MT CT ET

Phone: 501-993-8966	Client Project # 300	Lab Project # WMECOVISAR-00005
Collected by (print): Chris Findley	Site/Facility ID # AR03	P.O. #
Collected by (signature): [signature]	***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
Immediately Packed on Ice N ___ Y X		

SDG #
Table #
Acctnum: WMECOVISAR
Template: T161046
Prelogin: P1032625
PM: 616 - Stacy Kennedy
PB: 10/26/23 SB
Shipped Via: FedEX Ground

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	11.1.23	1645	2	X	X		-20
LDS-10	↓	GW	↓	↓	1715	2	X	X		-21
LDS-11	↓	GW	↓	↓	1745	2	X	X		-22
LDS-12	↓	GW	↓	↓	1815	2	X	X		-23
~~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		

* 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 # 7123 3304 8394

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)	
[signature]	11.2.23	1100		Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.8 °C Bottles Received: CF+0 0.8+0=0.8
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 11/04/23 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

ANALYTICAL REPORT

November 19, 2023

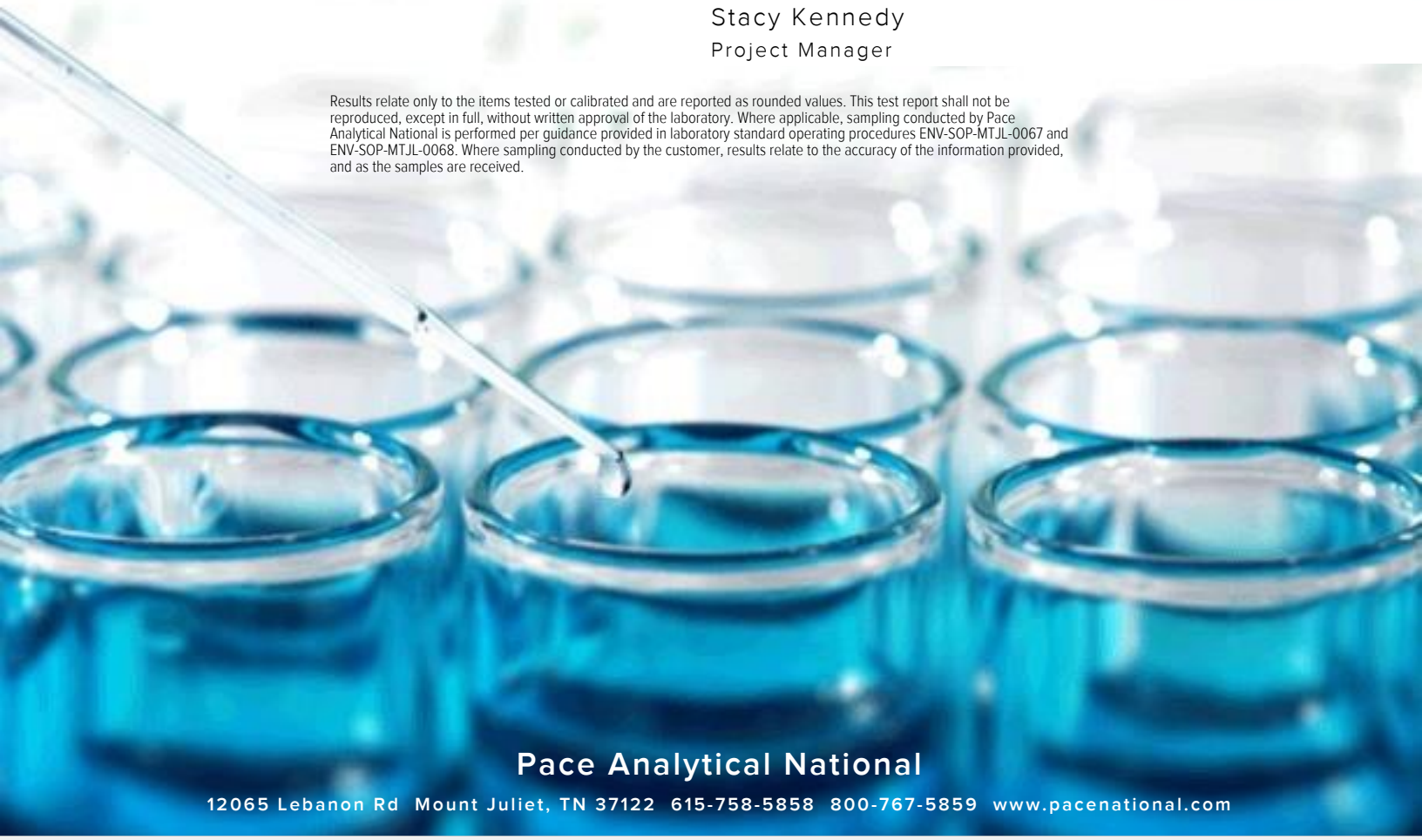
Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1674883
Samples Received:	11/07/2023
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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LGW-2 L1674883-01 GW

Collected by: Chris Fincher | Collected date/time: 11/04/23 13:55 | Received date/time: 11/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2166810	1	11/08/23 15:53	11/08/23 15:53	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169360	1	11/13/23 16:12	11/13/23 16:12	HMM	Mt. Juliet, TN

LGW-3R L1674883-02 GW

Collected by: Chris Fincher | Collected date/time: 11/04/23 14:35 | Received date/time: 11/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2166810	1	11/08/23 15:55	11/08/23 15:55	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169360	1	11/13/23 16:21	11/13/23 16:21	HMM	Mt. Juliet, TN

LGW-4 L1674883-03 GW

Collected by: Chris Fincher | Collected date/time: 11/04/23 15:10 | Received date/time: 11/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2166810	1	11/08/23 15:56	11/08/23 15:56	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169360	1	11/13/23 16:31	11/13/23 16:31	HMM	Mt. Juliet, TN

LGW-5 L1674883-04 GW

Collected by: Chris Fincher | Collected date/time: 11/04/23 16:00 | Received date/time: 11/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2166810	1	11/08/23 16:02	11/08/23 16:02	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169810	1	11/17/23 02:39	11/17/23 02:39	GEB	Mt. Juliet, TN

LGW-6 L1674883-05 GW

Collected by: Chris Fincher | Collected date/time: 11/04/23 17:20 | Received date/time: 11/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2166810	1	11/08/23 16:04	11/08/23 16:04	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169810	1	11/17/23 02:52	11/17/23 02:52	GEB	Mt. Juliet, TN

LGW-7 L1674883-06 GW

Collected by: Chris Fincher | Collected date/time: 11/04/23 17:50 | Received date/time: 11/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2166810	1	11/08/23 16:05	11/08/23 16:05	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169810	1	11/17/23 03:06	11/17/23 03:06	GEB	Mt. Juliet, TN

LGW-8R L1674883-07 GW

Collected by: Chris Fincher | Collected date/time: 11/04/23 18:25 | Received date/time: 11/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2166810	1	11/08/23 16:08	11/08/23 16:08	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169810	1	11/17/23 03:20	11/17/23 03:20	GEB	Mt. Juliet, TN

LGW-9 L1674883-08 GW

Collected by: Chris Fincher | Collected date/time: 11/05/23 10:55 | Received date/time: 11/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2170062	1	11/13/23 11:51	11/13/23 11:51	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169810	1	11/17/23 03:33	11/17/23 03:33	GEB	Mt. Juliet, TN

LGW-10 L1674883-09 GW

Collected by: Chris Fincher | Collected date/time: 11/05/23 12:00 | Received date/time: 11/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2170062	1	11/13/23 11:55	11/13/23 11:55	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169810	1	11/17/23 04:14	11/17/23 04:14	GEB	Mt. Juliet, TN

LGW-14R L1674883-10 GW

Collected by: Chris Fincher | Collected date/time: 11/04/23 16:40 | Received date/time: 11/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2170062	1	11/13/23 11:58	11/13/23 11:58	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169810	1	11/17/23 04:27	11/17/23 04:27	GEB	Mt. Juliet, TN

MW-7N L1674883-11 GW

Collected by: Chris Fincher | Collected date/time: 11/05/23 11:30 | Received date/time: 11/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2170062	1	11/13/23 12:00	11/13/23 12:00	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169810	1	11/17/23 04:41	11/17/23 04:41	GEB	Mt. Juliet, TN

MW-15 L1674883-12 GW

Collected by: Chris Fincher | Collected date/time: 11/04/23 12:15 | Received date/time: 11/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2170062	1	11/13/23 12:01	11/13/23 12:01	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169810	1	11/17/23 04:55	11/17/23 04:55	GEB	Mt. Juliet, TN

MW-16 L1674883-13 GW

Collected by: Chris Fincher | Collected date/time: 11/04/23 11:35 | Received date/time: 11/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2170062	1	11/13/23 12:07	11/13/23 12:07	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169810	1	11/17/23 05:09	11/17/23 05:09	GEB	Mt. Juliet, TN

MW-17 L1674883-14 GW

Collected by: Chris Fincher | Collected date/time: 11/05/23 13:05 | Received date/time: 11/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2170062	1	11/13/23 12:09	11/13/23 12:09	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169810	1	11/17/23 05:22	11/17/23 05:22	GEB	Mt. Juliet, TN

SAMPLE SUMMARY

MW-19 L1674883-15 GW

Collected by: Chris Fincher
Collected date/time: 11/04/23 11:05
Received date/time: 11/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2170062	1	11/13/23 12:10	11/13/23 12:10	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169810	1	11/17/23 05:36	11/17/23 05:36	GEB	Mt. Juliet, TN

FB L1674883-16 GW

Collected by: Chris Fincher
Collected date/time: 11/04/23 18:30
Received date/time: 11/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2170062	1	11/13/23 12:12	11/13/23 12:12	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169813	1	11/14/23 01:16	11/14/23 01:16	GEB	Mt. Juliet, TN

LGW-6-DUP L1674883-17 GW

Collected by: Chris Fincher
Collected date/time: 11/04/23 07:00
Received date/time: 11/07/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2170062	1	11/13/23 12:13	11/13/23 12:13	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2169813	1	11/14/23 01:31	11/14/23 01:31	GEB	Mt. Juliet, TN

CASE NARRATIVE

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

Stacy Kennedy
Project Manager

Project Comments

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

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2169360	(DUP) R3999219-3	Chloride

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

Analyte	Result	Units
pH (On Site)	6.73	su
Specific Conductance (on site)	817	umhos/cm
Temperature (on-site)	19.2	Deg. C
Turbidity (on-site)	3.4	NTU
Dissolved Oxygen (on-site)	6.4	mg/l
eH/ORP (On Site)	102.8	mV
Depth to water (DTW) (FROM TOC)	72.9	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	11/08/2023 15:53	WG2166810

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	10.9		3.00	1	11/13/2023 16:12	WG2169360

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

Analyte	Result	Units
pH (On Site)	5.22	su
Specific Conductance (on site)	131	umhos/cm
Temperature (on-site)	16.9	Deg. C
Turbidity (on-site)	4.7	NTU
Dissolved Oxygen (on-site)	5.5	mg/l
eH/ORP (On Site)	151.3	mV
Depth to water (DTW) (FROM TOC)	56.86	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	11/08/2023 15:55	WG2166810

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	4.60		3.00	1	11/13/2023 16:21	WG2169360

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

Analyte	Result	Units
pH (On Site)	6.53	su
Specific Conductance (on site)	925	umhos/cm
Temperature (on-site)	16.5	Deg. C
Turbidity (on-site)	5.3	NTU
Dissolved Oxygen (on-site)	1.8	mg/l
eH/ORP (On Site)	117.8	mV
Depth to water (DTW) (FROM TOC)	60.95	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	11/08/2023 15:56	WG2166810

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	20.0		3.00	1	11/13/2023 16:31	WG2169360

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

Analyte	Result	Units
pH (On Site)	6.3	su
Specific Conductance (on site)	1065	umhos/cm
Temperature (on-site)	18.9	Deg. C
Turbidity (on-site)	2.8	NTU
Dissolved Oxygen (on-site)	2.4	mg/l
eH/ORP (On Site)	-101.8	mV
Depth to water (DTW) (FROM TOC)	72.1	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	0.102		0.100	1	11/08/2023 16:02	WG2166810

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	28.9		3.00	1	11/17/2023 02:39	WG2169810

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

Analyte	Result	Units
pH (On Site)	6.24	su
Specific Conductance (on site)	902	umhos/cm
Temperature (on-site)	16.8	Deg. C
Turbidity (on-site)	2.9	NTU
Dissolved Oxygen (on-site)	0.6	mg/l
eH/ORP (On Site)	-22.8	mV
Depth to water (DTW) (FROM TOC)	51.25	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	11/08/2023 16:04	WG2166810

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	16.9		3.00	1	11/17/2023 02:52	WG2169810

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

Analyte	Result	Units
pH (On Site)	6.75	su
Specific Conductance (on site)	724	umhos/cm
Temperature (on-site)	16.8	Deg. C
Turbidity (on-site)	3	NTU
Dissolved Oxygen (on-site)	3	mg/l
eH/ORP (On Site)	38.6	mV
Depth to water (DTW) (FROM TOC)	43.71	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	11/08/2023 16:05	WG2166810

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	14.5		3.00	1	11/17/2023 03:06	WG2169810

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

Analyte	Result	Units
pH (On Site)	6.53	su
Specific Conductance (on site)	913	umhos/cm
Temperature (on-site)	16.5	Deg. C
Turbidity (on-site)	2.6	NTU
Dissolved Oxygen (on-site)	1	mg/l
eH/ORP (On Site)	63.8	mV
Depth to water (DTW) (FROM TOC)	11.05	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	11/08/2023 16:08	WG2166810

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	19.9		3.00	1	11/17/2023 03:20	WG2169810

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

Analyte	Result	Units
pH (On Site)	6.33	su
Specific Conductance (on site)	991	umhos/cm
Temperature (on-site)	16.8	Deg. C
Turbidity (on-site)	2.4	NTU
Dissolved Oxygen (on-site)	1.4	mg/l
eH/ORP (On Site)	111.6	mV
Depth to water (DTW) (FROM TOC)	53.73	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	11/13/2023 11:51	WG2170062

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	33.5		3.00	1	11/17/2023 03:33	WG2169810

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

Analyte	Result	Units
pH (On Site)	6.3	su
Specific Conductance (on site)	1209	umhos/cm
Temperature (on-site)	16.9	Deg. C
Turbidity (on-site)	3.4	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	-50.1	mV
Depth to water (DTW) (FROM TOC)	59.44	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	0.130		0.100	1	11/13/2023 11:55	WG2170062

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	23.7		3.00	1	11/17/2023 04:14	WG2169810

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

Analyte	Result	Units
pH (On Site)	6.76	su
Specific Conductance (on site)	750	umhos/cm
Temperature (on-site)	16	Deg. C
Turbidity (on-site)	2.8	NTU
Dissolved Oxygen (on-site)	4.4	mg/l
eH/ORP (On Site)	31.1	mV
Depth to water (DTW) (FROM TOC)	56.7	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	11/13/2023 11:58	WG2170062

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	5.23		3.00	1	11/17/2023 04:27	WG2169810

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

Analyte	Result	Units
pH (On Site)	6.69	su
Specific Conductance (on site)	780	umhos/cm
Temperature (on-site)	17	Deg. C
Turbidity (on-site)	2.9	NTU
Dissolved Oxygen (on-site)	4.1	mg/l
eH/ORP (On Site)	91.4	mV
Depth to water (DTW) (FROM TOC)	87.41	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	11/13/2023 12:00	WG2170062

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	30.4		3.00	1	11/17/2023 04:41	WG2169810

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

Analyte	Result	Units
pH (On Site)	6.43	su
Specific Conductance (on site)	815	umhos/cm
Temperature (on-site)	16.1	Deg. C
Turbidity (on-site)	3	NTU
Dissolved Oxygen (on-site)	5.4	mg/l
eH/ORP (On Site)	109	mV
Depth to water (DTW) (FROM TOC)	58.85	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	11/13/2023 12:01	WG2170062

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	39.9		3.00	1	11/17/2023 04:55	WG2169810

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

Analyte	Result	Units
pH (On Site)	7.21	su
Specific Conductance (on site)	495	umhos/cm
Temperature (on-site)	17.2	Deg. C
Turbidity (on-site)	2.9	NTU
Dissolved Oxygen (on-site)	6.9	mg/l
eH/ORP (On Site)	83.5	mV
Depth to water (DTW) (FROM TOC)	74.04	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	11/13/2023 12:07	WG2170062

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	3.81		3.00	1	11/17/2023 05:09	WG2169810

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

Analyte	Result	Units
pH (On Site)	6.58	su
Specific Conductance (on site)	404	umhos/cm
Temperature (on-site)	17.2	Deg. C
Turbidity (on-site)	12.2	NTU
Dissolved Oxygen (on-site)	7.4	mg/l
eH/ORP (On Site)	72.1	mV
Depth to water (DTW) (FROM TOC)	60.39	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	11/13/2023 12:09	WG2170062

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	6.21		3.00	1	11/17/2023 05:22	WG2169810

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)	706	umhos/cm
Temperature (on-site)	19.2	Deg. C
Turbidity (on-site)	2.7	NTU
Dissolved Oxygen (on-site)	6.6	mg/l
eH/ORP (On Site)	84.8	mV
Depth to water (DTW) (FROM TOC)	68.05	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	11/13/2023 12:10	WG2170062

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	7.15		3.00	1	11/17/2023 05:36	WG2169810

Wet Chemistry by Method 350.1

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	11/13/2023 12:12	WG2170062

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Chloride	ND		3.00	1	11/14/2023 01:16	WG2169813

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	11/13/2023 12:13	WG2170062

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	16.5		3.00	1	11/14/2023 01:31	WG2169813

Method Blank (MB)

(MB) R3997285-1 11/08/23 15:23

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

L1674083-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1674083-01 11/08/23 15:31 • (DUP) R3997285-5 11/08/23 15:32

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	0.907	0.885	1	2.46		10

L1674883-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1674883-07 11/08/23 16:08 • (DUP) R3997285-7 11/08/23 16:10

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) R3997285-2 11/08/23 15:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.94	106	90.0-110	

L1672902-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1672902-01 11/08/23 15:26 • (MS) R3997285-3 11/08/23 15:28 • (MSD) R3997285-4 11/08/23 15:29

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	2.44	7.68	7.88	105	109	1	90.0-110			2.52	10

L1674883-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1674883-06 11/08/23 16:05 • (MS) R3997285-6 11/08/23 16:07

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	5.36	107	1	90.0-110	

Method Blank (MB)

(MB) R3999067-1 11/13/23 11:43

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

L1674883-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1674883-09 11/13/23 11:55 • (DUP) R3999067-5 11/13/23 11:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	0.130	0.130	1	0.000		10

L1675667-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1675667-02 11/13/23 12:27 • (DUP) R3999067-7 11/13/23 12:28

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	1.15	1.16	1	0.867		10

Laboratory Control Sample (LCS)

(LCS) R3999067-2 11/13/23 11:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.59	101	90.0-110	

L1674883-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1674883-08 11/13/23 11:51 • (MS) R3999067-3 11/13/23 11:52 • (MSD) R3999067-4 11/13/23 11:54

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	5.07	5.16	101	103	1	90.0-110			1.74	10

L1675667-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1675667-01 11/13/23 12:19 • (MS) R3999067-6 11/13/23 12:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	1.17	6.29	102	1	90.0-110	

QUALITY CONTROL SUMMARY

L1674883-01,02,03

Method Blank (MB)

(MB) R3999219-1 11/13/23 11:00

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

L1674766-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1674766-02 11/13/23 14:27 • (DUP) R3999219-3 11/13/23 14:37

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	20.7	25.4	1	20.4	J3	15

L1674883-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1674883-03 11/13/23 16:31 • (DUP) R3999219-6 11/13/23 16:41

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	20.0	19.7	1	1.33		15

Laboratory Control Sample (LCS)

(LCS) R3999219-2 11/13/23 11:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.5	98.8	80.0-120	

L1674766-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1674766-02 11/13/23 14:27 • (MS) R3999219-4 11/13/23 14:46 • (MSD) R3999219-5 11/13/23 14:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	20.7	56.6	55.9	89.9	88.0	1	80.0-120			1.32	15

L1674883-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1674883-03 11/13/23 16:31 • (MS) R3999219-7 11/13/23 16:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	20.0	55.7	89.3	1	80.0-120	

Method Blank (MB)

(MB) R4001461-1 11/16/23 21:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.188		0.0519	1.00

L1674867-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1674867-01 11/17/23 01:30 • (DUP) R4001461-3 11/17/23 01:44

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	6.84	6.82	1	0.206		15

L1674883-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1674883-15 11/17/23 05:36 • (DUP) R4001461-6 11/17/23 05:50

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	7.15	7.21	1	0.748		15

Laboratory Control Sample (LCS)

(LCS) R4001461-2 11/16/23 23:15

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.1	100	80.0-120	

L1674867-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1674867-01 11/17/23 01:30 • (MS) R4001461-4 11/17/23 01:57 • (MSD) R4001461-5 11/17/23 02:12

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	40.0	6.84	46.5	46.6	99.2	99.4	1	80.0-120			0.181	15

L1674883-15 Original Sample (OS) • Matrix Spike (MS)

(OS) L1674883-15 11/17/23 05:36 • (MS) R4001461-7 11/17/23 06:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	7.15	45.7	96.3	1	80.0-120	

Method Blank (MB)

(MB) R3999396-1 11/13/23 23:31

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

L1675158-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1675158-02 11/14/23 02:01 • (DUP) R3999396-3 11/14/23 02:15

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	9.90	10.3	1	3.62		15

L1675173-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1675173-10 11/14/23 05:44 • (DUP) R3999396-6 11/14/23 06:29

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	8.53	8.34	1	2.23		15

Laboratory Control Sample (LCS)

(LCS) R3999396-2 11/13/23 23:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	41.1	103	80.0-120	

L1675158-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1675158-02 11/14/23 02:01 • (MS) R3999396-4 11/14/23 02:30 • (MSD) R3999396-5 11/14/23 02:45

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	9.90	47.7	47.7	94.6	94.6	1	80.0-120			0.0536	15

L1675173-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1675173-10 11/14/23 05:44 • (MS) R3999396-7 11/14/23 06:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	8.53	46.3	94.5	1	80.0-120	

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
J3	The associated batch QC was outside the established quality control range for precision.

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-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, De

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project #
300

Lab Project #
WMECOVISAR-00005

Collected by (print):
Chris Finch

Site/Facility ID #
AR03

P.O. #

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

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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 # L1674883
C057

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P1032625**
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 (2)								Remarks	Sample # (lab only)
~~LDS-9~~		GW				2	X	X									
~~LDS-10~~		GW				2	X	X									
~~LDS-11~~		GW				2	X	X									
~~LDS-12~~		GW				2	X	X									
LGW-2	Grab	GW	73.85	11.4.23	1355	2	X	X									-01
LGW-3R		GW	57.15	11.4.23	1435	2	X	X									-02
LGW-4		GW	61.15	11.4.23	1510	2	X	X									-03
LGW-5		GW	72.15	11.4.23	1600	2	X	X									-04
LGW-6		GW	51.30	11.4.23	1720	2	X	X									-05
LGW-7		GW	44.40	11.4.23	1750	2	X	X									-06

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

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

pH ____ Temp ____
Flow ____ Other ____

Samples returned via:
__ UPS __ FedEx __ Courier ____

Tracking # 7123 3303 3130

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: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	11.6.23	1100	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
			DPA84.340
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Taylor McCarty (2)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 4.3 °C Bottles Received: 34

Date: 11.7.23 Time: 0900

If pres... PH-10BDH4321 TRC-2352362 CR6-20221V PH-10BDH4321 TRC-2352362 CR6-20221V /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-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 Fineke

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
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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 # L1674883

Table #

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P1032625**
PM: **616 - Stacy Kennedy**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4								Remarks	Sample # (lab only)
LGW-8R	Grab	GW	11.10	11.4.23	1825	2	X	X									-07
LGW-9		GW	54.25	11.5.23	1055	2	X	X									-08
LGW-10		GW	60.70	11.5.23	1200	2	X	X									-09
LGW-14R		GW	59.50	11.4.23	1640	2	X	X									-10
MW-7N		GW	87.85	11.5.23	1130	2	X	X									-11
MW-15		GW	58.95	11.4.23	1215	2	X	X									-12
MW-16		GW	75.70	11.4.23	1135	2	X	X									-13
MW-17		GW	60.50	11.5.23	1305	2	X	X									-14
MW-19		GW	69.25	11.4.23	1105	2	X	X									-15
FB		GW	N/A	11.4.23	1830	2	X	X									-16

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

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

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 7123 3303 3130

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: 11.6.23	Time: 1100	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 34
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Taylor McCurdy	Date: 11.7.23 Time: 0900

DR184-310-43

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

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

Pace
PEOPLE ADVANCING SCIENCE

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

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**

SDG # L1674883

Collected by (print): Chris Fincher

Site/Facility ID # **AR03**

P.O. #

Table #

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

Acctnum: **WMECOVISAR**
Template: **T161046**
Prelogin: **P1032625**
PM: **616 - Stacy Kennedy**
PB:
Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4								Remarks	Sample # (lab only)
LGW-6-DUP	Grab	GW	77.77	11.4.23	0700	2	X	X									-17
		GW				2	X	X									
		GW				2	X	X									
		GW				2	X	X									
		GW				2	X	X									

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

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

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 7125 3303 3130

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	
	11.6.23	1100			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
			DPA84.340-E3	34	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	Hold:	Condition: NCF / OK
			Taylor McCully E3	11.7.23	0900		

ANALYTICAL REPORT

October 26, 2023

Revised Report

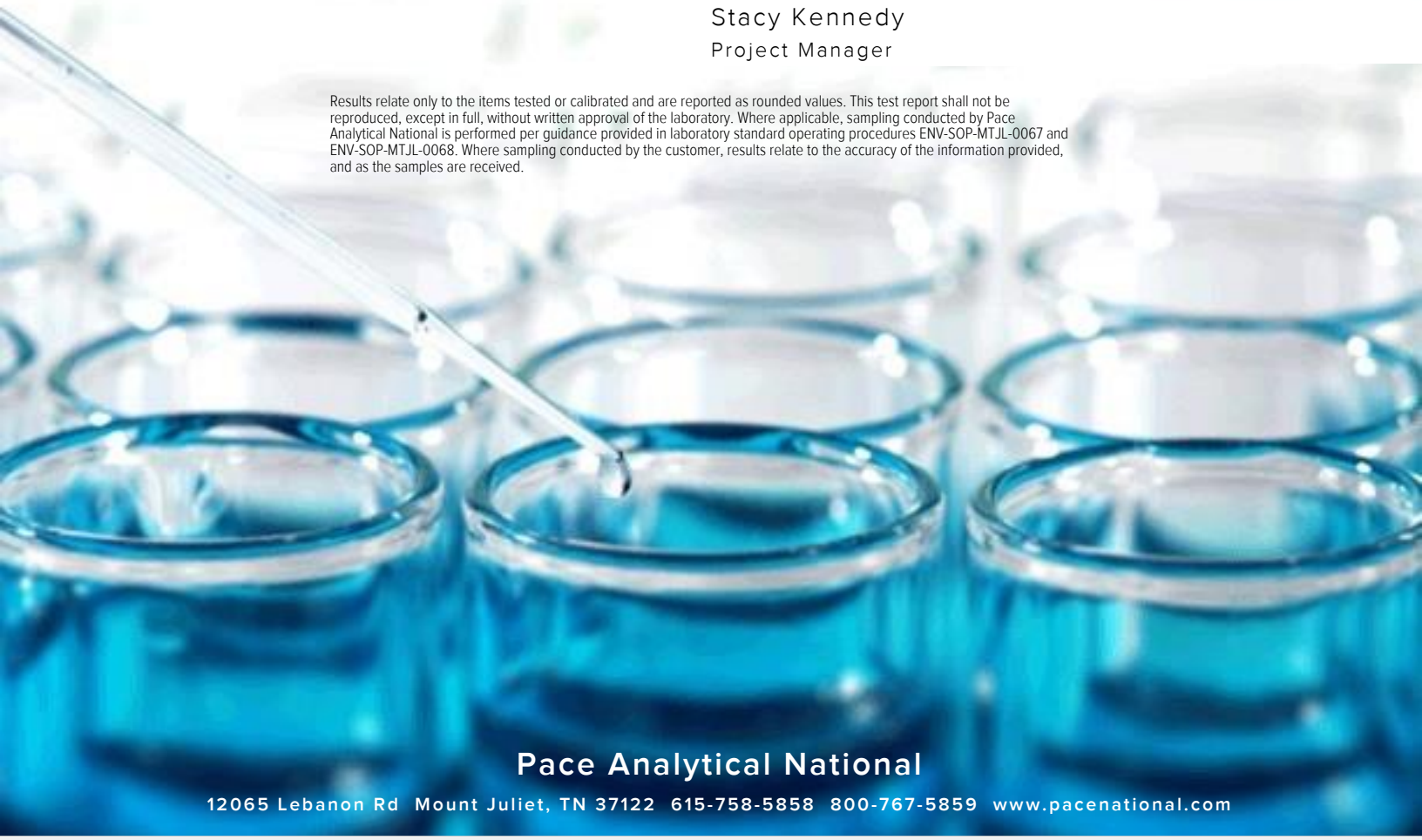
Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1663702
Samples Received:	10/06/2023
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

DUP L1663702-01 GW

Collected by: Chris F. | Collected date/time: 10/03/23 07:00 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2147641	1	10/09/23 08:32	10/09/23 11:03	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149658	1	10/12/23 06:24	10/12/23 06:24	HMM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149939	1	10/12/23 14:03	10/12/23 14:03	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2146860	1	10/11/23 09:10	10/13/23 23:01	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2146872	1	10/09/23 03:48	10/11/23 22:48	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2147452	1	10/08/23 19:58	10/08/23 19:58	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2147871	1	10/09/23 22:44	10/09/23 22:44	DYW	Mt. Juliet, TN

DUP2 L1663702-02 GW

Collected by: Chris F. | Collected date/time: 10/04/23 07:00 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2148182	1	10/10/23 09:28	10/10/23 13:19	KAM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2148269	1	10/10/23 12:56	10/10/23 12:56	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149658	1	10/12/23 06:38	10/12/23 06:38	HMM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149939	1	10/12/23 14:17	10/12/23 14:17	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2146860	1	10/11/23 09:10	10/13/23 23:04	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2146872	1	10/09/23 03:48	10/11/23 23:08	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2147452	1	10/08/23 20:17	10/08/23 20:17	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2147871	1	10/09/23 23:03	10/09/23 23:03	DYW	Mt. Juliet, TN

LGW-2 L1663702-03 GW

Collected by: Chris F. | Collected date/time: 10/04/23 11:25 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2148269	1	10/10/23 13:05	10/10/23 13:05	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149658	1	10/12/23 06:52	10/12/23 06:52	HMM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149939	1	10/12/23 14:31	10/12/23 14:31	ASH	Mt. Juliet, TN

LGW-3R L1663702-04 GW

Collected by: Chris F. | Collected date/time: 10/04/23 10:50 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2148269	1	10/10/23 13:08	10/10/23 13:08	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149658	1	10/12/23 07:05	10/12/23 07:05	HMM	Mt. Juliet, TN

LGW-4 L1663702-05 GW

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2148269	1	10/10/23 13:09	10/10/23 13:09	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149658	1	10/12/23 07:19	10/12/23 07:19	HMM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149939	1	10/12/23 14:45	10/12/23 14:45	ASH	Mt. Juliet, TN

LGW-5 L1663702-06 GW

Collected by: Chris F. | Collected date/time: 10/05/23 10:00 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2149548	1	10/11/23 18:54	10/12/23 12:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2148269	1	10/10/23 13:11	10/10/23 13:11	BMD	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2146948	1	10/07/23 12:48	10/07/23 12:48	EPW	Mt. Juliet, TN

LGW-5 L1663702-06 GW

Collected by: Chris F. | Collected date/time: 10/05/23 10:00 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9012B	WG2146824	1	10/08/23 19:15	10/09/23 11:51	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149658	1	10/12/23 07:33	10/12/23 07:33	HMM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149939	1	10/12/23 16:25	10/12/23 16:25	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2147175	1	10/10/23 14:19	10/11/23 11:23	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2146860	1	10/11/23 09:10	10/13/23 23:07	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2146872	1	10/09/23 03:48	10/11/23 23:11	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2147154	1	10/08/23 10:38	10/08/23 10:38	JCP	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2145481	1	10/09/23 14:32	10/10/23 18:48	LTB	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2147257	1	10/08/23 16:26	10/08/23 22:17	NWH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2147257	1	10/08/23 16:26	10/08/23 22:17	NWH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2148873	1	10/11/23 14:00	10/12/23 19:41	AMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2148873	1	10/11/23 14:00	10/13/23 22:34	JNJ	Mt. Juliet, TN

MW-7N L1663702-07 GW

Collected by: Chris F. | Collected date/time: 10/04/23 16:45 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2148269	1	10/10/23 13:12	10/10/23 13:12	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149492	1	10/11/23 22:32	10/11/23 22:32	HMM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149939	1	10/12/23 16:53	10/12/23 16:53	ASH	Mt. Juliet, TN

MW-15 L1663702-08 GW

Collected by: Chris F. | Collected date/time: 10/04/23 12:25 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2148269	1	10/10/23 13:14	10/10/23 13:14	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149658	1	10/12/23 07:47	10/12/23 07:47	HMM	Mt. Juliet, TN

MW-16 L1663702-09 GW

Collected by: Chris F. | Collected date/time: 10/04/23 13:00 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2148269	1	10/10/23 13:15	10/10/23 13:15	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149890	1	10/13/23 21:38	10/13/23 21:38	HMM	Mt. Juliet, TN

MW-17 L1663702-10 GW

Collected by: Chris F. | Collected date/time: 10/03/23 17:40 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2148269	1	10/10/23 13:17	10/10/23 13:17	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149890	1	10/13/23 21:52	10/13/23 21:52	HMM	Mt. Juliet, TN

MW-19 L1663702-11 GW

Collected by: Chris F. | Collected date/time: 10/03/23 15:00 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2148269	1	10/10/23 13:23	10/10/23 13:23	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149890	1	10/13/23 22:06	10/13/23 22:06	HMM	Mt. Juliet, TN

NE-1 L1663702-12 GW

Collected by: Chris F. | Collected date/time: 10/05/23 09:00 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2149548	1	10/11/23 18:54	10/12/23 12:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149864	1	10/13/23 20:35	10/13/23 20:35	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149939	1	10/12/23 17:08	10/12/23 17:08	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2146860	1	10/11/23 09:10	10/13/23 23:10	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2146872	1	10/09/23 03:48	10/11/23 23:23	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2147452	1	10/08/23 20:36	10/08/23 20:36	DYW	Mt. Juliet, TN

NE-2 L1663702-13 GW

Collected by: Chris F. | Collected date/time: 10/04/23 08:25 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2148182	1	10/10/23 09:28	10/10/23 13:19	KAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149864	1	10/13/23 20:48	10/13/23 20:48	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149939	1	10/12/23 17:24	10/12/23 17:24	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2146860	1	10/11/23 09:10	10/13/23 23:13	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2146872	1	10/09/23 03:48	10/11/23 23:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2147452	1	10/08/23 20:55	10/08/23 20:55	DYW	Mt. Juliet, TN

NE-4 L1663702-14 GW

Collected by: Chris F. | Collected date/time: 10/04/23 13:45 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2148179	1	10/10/23 09:19	10/10/23 12:55	KAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149864	1	10/13/23 21:01	10/13/23 21:01	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149939	1	10/12/23 17:38	10/12/23 17:38	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2146860	1	10/11/23 09:10	10/13/23 23:16	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2146872	1	10/09/23 03:48	10/11/23 23:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2147452	1	10/08/23 21:14	10/08/23 21:14	DYW	Mt. Juliet, TN

NE-5 L1663702-15 GW

Collected by: Chris F. | Collected date/time: 10/04/23 18:45 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2148182	1	10/10/23 09:28	10/10/23 13:19	KAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149864	1	10/13/23 21:13	10/13/23 21:13	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149939	1	10/12/23 17:52	10/12/23 17:52	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2146860	1	10/11/23 09:10	10/13/23 23:19	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2146872	1	10/09/23 03:48	10/11/23 23:33	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2147452	1	10/08/23 21:33	10/08/23 21:33	DYW	Mt. Juliet, TN

NE-5E L1663702-16 GW

Collected by: Chris F. | Collected date/time: 10/04/23 18:15 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2148182	1	10/10/23 09:28	10/10/23 13:19	KAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149864	1	10/13/23 21:51	10/13/23 21:51	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149939	1	10/12/23 18:06	10/12/23 18:06	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2146860	1	10/11/23 09:10	10/13/23 23:21	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2146872	1	10/09/23 03:48	10/11/23 23:36	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2147452	1	10/08/23 21:52	10/08/23 21:52	DYW	Mt. Juliet, TN

NE-5W L1663702-17 GW

Collected by: Chris F. | Collected date/time: 10/04/23 19:20 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2150228	1	10/12/23 16:20	10/13/23 00:00	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149864	1	10/13/23 22:04	10/13/23 22:04	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149939	1	10/12/23 18:20	10/12/23 18:20	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2146860	1	10/11/23 09:10	10/13/23 23:24	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2146872	1	10/09/23 03:48	10/11/23 23:39	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2148115	1	10/10/23 01:58	10/10/23 01:58	DWR	Mt. Juliet, TN

NE-6D L1663702-18 GW

Collected by: Chris F. | Collected date/time: 10/04/23 17:35 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2148179	1	10/10/23 09:19	10/10/23 12:55	KAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149878	1	10/13/23 23:50	10/13/23 23:50	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149939	1	10/12/23 19:10	10/12/23 19:10	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2146860	1	10/11/23 09:10	10/13/23 23:42	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2146872	1	10/09/23 03:48	10/11/23 23:42	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2148115	1	10/10/23 02:17	10/10/23 02:17	DWR	Mt. Juliet, TN

NE-10D L1663702-19 GW

Collected by: Chris F. | Collected date/time: 10/03/23 19:00 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2147641	1	10/09/23 08:32	10/09/23 11:03	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149878	1	10/14/23 00:07	10/14/23 00:07	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149939	1	10/12/23 20:16	10/12/23 20:16	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2146860	1	10/11/23 09:10	10/13/23 23:45	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2146872	1	10/09/23 03:48	10/11/23 23:46	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2148115	1	10/10/23 02:36	10/10/23 02:36	DWR	Mt. Juliet, TN

NE-14D L1663702-20 GW

Collected by: Chris F. | Collected date/time: 10/04/23 15:55 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2148179	1	10/10/23 09:19	10/10/23 12:55	KAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149878	1	10/14/23 00:24	10/14/23 00:24	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149939	1	10/12/23 20:29	10/12/23 20:29	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2146860	1	10/11/23 09:10	10/13/23 23:47	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2146872	1	10/09/23 03:48	10/11/23 23:49	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2148115	1	10/10/23 02:55	10/10/23 02:55	DWR	Mt. Juliet, TN

NE-14S L1663702-21 GW

Collected by: Chris F. | Collected date/time: 10/04/23 07:40 | Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2148179	1	10/10/23 09:19	10/10/23 12:55	KAM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149878	1	10/14/23 02:05	10/14/23 02:05	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149939	1	10/12/23 20:42	10/12/23 20:42	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2146860	1	10/11/23 09:10	10/13/23 23:50	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2146872	1	10/09/23 03:48	10/12/23 00:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2148115	1	10/10/23 03:14	10/10/23 03:14	DWR	Mt. Juliet, TN

SAMPLE SUMMARY

FB L1663702-22 GW

Collected by: Chris F.
Collected date/time: 10/03/23 17:30
Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2147641	1	10/09/23 08:32	10/09/23 11:03	JAC	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2148269	1	10/10/23 13:26	10/10/23 13:26	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2149878	1	10/14/23 02:22	10/14/23 02:22	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2149939	1	10/12/23 20:55	10/12/23 20:55	ASH	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2146860	1	10/11/23 09:10	10/13/23 23:53	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2146872	1	10/09/23 03:48	10/12/23 00:13	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2148115	1	10/10/23 01:01	10/10/23 01:01	DWR	Mt. Juliet, TN

TRIP BLANK L1663702-23 GW

Collected by: Chris F.
Collected date/time: 10/03/23 00:00
Received date/time: 10/06/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2147827	1	10/09/23 15:29	10/09/23 15:29	JAH	Mt. Juliet, TN

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

Stacy Kennedy
Project Manager

Report Revision History

Level II Report - Version 1: 10/22/23 20:33

Project Comments

L1663702-01, sample “DUP”, ammonia container was not received. Lab proceeded with all other analysis. SK 10/16/23

-17 TDS was initially analyzed within holding time. The lab reanalyzed the sample upon data review; however, sample hold time was not met. SK 10/19/23

Report reissued to update project specific reporting limits per request. SK 10/26/23

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

pH outside of method requirement.

Batch	Method	Lab Sample ID
WG2148873	8270C	L1663702-06

Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

Batch	Method	Lab Sample ID
WG2150228	2540 C-2011	L1663702-17

Gravimetric Analysis by Method 2540 C-2011

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

Batch	Lab Sample ID	Analytes
WG2148179	(DUP) R3985480-3, (DUP) R3985480-4	Dissolved Solids
WG2148182	(DUP) R3985447-4	Dissolved Solids

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2149864	(MS) R3987601-5, (MSD) R3987601-6	Chloride

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

Batch	Lab Sample ID	Analytes
WG2149864	(MS) R3987601-5, (MSD) R3987601-6	Sulfate
WG2149878	(MS) R3986850-7	Sulfate

Metals (ICPMS) by Method 6020

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

Batch	Lab Sample ID	Analytes
WG2146872	(MSD) R3985095-5, L1663702-01	Chromium, Total Recoverable, Copper, Total Recoverable and Nickel, Total Recoverable

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

Batch	Lab Sample ID	Analytes
WG2146872	(MSD) R3985095-5, L1663702-01	Chromium, Total Recoverable, Copper, Total Recoverable and Nickel, Total Recoverable

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

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

Batch	Lab Sample ID	Analytes
WG2147452	(LCS) R3983704-1, (LCSD) R3983704-2, L1663702-01, 02, 12, 13, 14, 15, 16	Chloromethane

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

Batch	Lab Sample ID	Analytes
WG2147154	(LCSD) R3984821-2, L1663702-06	Vinyl acetate
WG2148115	(LCSD) R3985695-2, L1663702-17, 18, 19, 20, 21, 22	1,2-Dibromo-3-Chloropropane and 2-Butanone (MEK)

Chlorinated Acid Herbicides (GC) by Method 8151

RPD between the primary and confirmatory analysis exceeded 40%

Batch	Lab Sample ID	Analytes
WG2145481	(LCS) R3984708-2	2,4,5-T
WG2145481	(LCSD) R3984708-3	2,4,5-T and 2,4-D

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

Batch	Lab Sample ID	Analytes
WG2145481	(LCSD) R3984708-3, L1663702-06	2,4,5-T, 2,4,5-Tp (Silvex) and 2,4-D

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

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

Batch	Lab Sample ID	Analytes
WG2148873	(LCS) R3987287-1, L1663702-06	1,4-Naphthoquinone, 3,3-Dimethylbenzidine and p-Phenylenediamine

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

Batch	Lab Sample ID	Analytes
WG2148873	(MS) R3986579-3	Indeno(1,2,3-cd)pyrene

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

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

Batch	Lab Sample ID	Analytes
WG2148873	(MSD) R3986579-4	2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2-Methylphenol, 4-Chloro-3-methylphenol and Hexachlorocyclopentadiene

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	117		10.0	1	10/09/2023 11:03	WG2147641

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	3.70		3.00	1	10/12/2023 06:24	WG2149658
Sulfate	ND		5.00	1	10/12/2023 06:24	WG2149658

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	10/12/2023 14:03	WG2149939

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 23:01	WG2146860
Barium,Total Recoverable	0.0191		0.00500	1	10/13/2023 23:01	WG2146860
Iron, Total Recoverable	ND		0.0600	1	10/13/2023 23:01	WG2146860
Manganese,Total Recoverable	0.0178		0.00300	1	10/13/2023 23:01	WG2146860
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 23:01	WG2146860
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 23:01	WG2146860

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	10/11/2023 22:48	WG2146872
Beryllium, Total Recoverable	ND		0.00100	1	10/11/2023 22:48	WG2146872
Cadmium, Total Recoverable	ND		0.00100	1	10/11/2023 22:48	WG2146872
Cobalt,Total Recoverable	ND		0.00300	1	10/11/2023 22:48	WG2146872
Chromium, Total Recoverable	ND	J3 J5	0.00300	1	10/11/2023 22:48	WG2146872
Copper, Total Recoverable	ND	J3 J5	0.00400	1	10/11/2023 22:48	WG2146872
Nickel, Total Recoverable	ND	J3 J5	0.00400	1	10/11/2023 22:48	WG2146872
Antimony, Total Recoverable	ND		0.00200	1	10/11/2023 22:48	WG2146872
Thallium, Total Recoverable	ND		0.00100	1	10/11/2023 22:48	WG2146872
Vanadium,Total Recoverable	ND		0.00300	1	10/11/2023 22:48	WG2146872
Zinc, Total Recoverable	ND		0.00500	1	10/11/2023 22:48	WG2146872

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/08/2023 19:58	WG2147452
1,1,1-Trichloroethane	ND		1.00	1	10/08/2023 19:58	WG2147452
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/08/2023 19:58	WG2147452
1,1,2-Trichloroethane	ND		1.00	1	10/08/2023 19:58	WG2147452
1,1-Dichloroethane	ND		1.00	1	10/08/2023 19:58	WG2147452
1,1-Dichloroethene	ND		1.00	1	10/08/2023 19:58	WG2147452
1,2,3-Trichloropropane	ND		1.00	1	10/08/2023 19:58	WG2147452
1,2-Dibromo-3-Chloropropane	ND		2.00	1	10/08/2023 19:58	WG2147452
1,2-Dibromoethane	ND		1.00	1	10/08/2023 19:58	WG2147452
1,2-Dichlorobenzene	ND		1.00	1	10/08/2023 19:58	WG2147452
1,2-Dichloroethane	ND		1.00	1	10/08/2023 19:58	WG2147452
1,2-Dichloropropane	ND		1.00	1	10/08/2023 19:58	WG2147452

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	ND		1.00	1	10/08/2023 19:58	WG2147452
2-Butanone (MEK)	ND		5.00	1	10/08/2023 19:58	WG2147452
2-Hexanone	ND		5.00	1	10/08/2023 19:58	WG2147452
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/08/2023 19:58	WG2147452
Acetone	ND		10.0	1	10/08/2023 19:58	WG2147452
Acrylonitrile	ND		20.0	1	10/08/2023 19:58	WG2147452
Benzene	ND		1.00	1	10/09/2023 22:44	WG2147871
Bromochloromethane	ND		1.00	1	10/08/2023 19:58	WG2147452
Bromodichloromethane	ND		1.00	1	10/08/2023 19:58	WG2147452
Bromoform	ND		1.00	1	10/08/2023 19:58	WG2147452
Bromomethane	ND		1.00	1	10/08/2023 19:58	WG2147452
Carbon disulfide	ND		1.00	1	10/08/2023 19:58	WG2147452
Carbon tetrachloride	ND		1.00	1	10/08/2023 19:58	WG2147452
Chlorobenzene	ND		1.00	1	10/08/2023 19:58	WG2147452
Chloroethane	ND		1.00	1	10/08/2023 19:58	WG2147452
Chloroform	ND		1.00	1	10/08/2023 19:58	WG2147452
Chloromethane	ND	J4	1.00	1	10/08/2023 19:58	WG2147452
Dibromochloromethane	ND		1.00	1	10/08/2023 19:58	WG2147452
Dibromomethane	ND		1.00	1	10/08/2023 19:58	WG2147452
Ethylbenzene	ND		1.00	1	10/09/2023 22:44	WG2147871
Iodomethane	ND		1.00	1	10/08/2023 19:58	WG2147452
Methylene Chloride	ND		1.07	1	10/08/2023 19:58	WG2147452
Styrene	ND		1.00	1	10/08/2023 19:58	WG2147452
Tetrachloroethene	ND		1.00	1	10/08/2023 19:58	WG2147452
Toluene	ND		1.00	1	10/08/2023 19:58	WG2147452
Trichloroethene	ND		1.00	1	10/08/2023 19:58	WG2147452
Trichlorofluoromethane	ND		1.00	1	10/08/2023 19:58	WG2147452
Vinyl acetate	ND		5.00	1	10/08/2023 19:58	WG2147452
Vinyl chloride	ND		1.00	1	10/08/2023 19:58	WG2147452
Xylenes, Total	ND		1.00	1	10/09/2023 22:44	WG2147871
cis-1,2-Dichloroethene	ND		1.00	1	10/08/2023 19:58	WG2147452
cis-1,3-Dichloropropene	ND		1.00	1	10/08/2023 19:58	WG2147452
trans-1,2-Dichloroethene	ND		1.00	1	10/08/2023 19:58	WG2147452
trans-1,3-Dichloropropene	ND		1.00	1	10/08/2023 19:58	WG2147452
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/08/2023 19:58	WG2147452
(S) 1,2-Dichloroethane-d4	*94.0*			*70.0-130*	*10/08/2023 19:58*	WG2147452
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*	*10/09/2023 22:44*	WG2147871
(S) 4-Bromofluorobenzene	*91.8*			*77.0-126*	*10/08/2023 19:58*	WG2147452
(S) 4-Bromofluorobenzene	*90.6*			*77.0-126*	*10/09/2023 22:44*	WG2147871
(S) Toluene-d8	*115*			*80.0-120*	*10/08/2023 19:58*	WG2147452
(S) Toluene-d8	*113*			*80.0-120*	*10/09/2023 22:44*	WG2147871

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	347		10.0	1	10/10/2023 13:19	WG2148182

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	10/10/2023 12:56	WG2148269

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	14.4		3.00	1	10/12/2023 06:38	WG2149658
Sulfate	ND		5.00	1	10/12/2023 06:38	WG2149658

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.48		1.00	1	10/12/2023 14:17	WG2149939

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 23:04	WG2146860
Barium,Total Recoverable	0.0684		0.00500	1	10/13/2023 23:04	WG2146860
Iron, Total Recoverable	ND		0.0600	1	10/13/2023 23:04	WG2146860
Manganese,Total Recoverable	ND		0.00300	1	10/13/2023 23:04	WG2146860
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 23:04	WG2146860
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 23:04	WG2146860

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	10/11/2023 23:08	WG2146872
Beryllium, Total Recoverable	ND		0.00100	1	10/11/2023 23:08	WG2146872
Cadmium, Total Recoverable	ND		0.00100	1	10/11/2023 23:08	WG2146872
Cobalt,Total Recoverable	ND		0.00300	1	10/11/2023 23:08	WG2146872
Chromium, Total Recoverable	ND		0.00300	1	10/11/2023 23:08	WG2146872
Copper, Total Recoverable	ND		0.00400	1	10/11/2023 23:08	WG2146872
Nickel, Total Recoverable	ND		0.00400	1	10/11/2023 23:08	WG2146872
Antimony, Total Recoverable	ND		0.00200	1	10/11/2023 23:08	WG2146872
Thallium, Total Recoverable	ND		0.00100	1	10/11/2023 23:08	WG2146872
Vanadium,Total Recoverable	ND		0.00300	1	10/11/2023 23:08	WG2146872
Zinc, Total Recoverable	0.0197	J	0.00500	1	10/11/2023 23:08	WG2146872

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/08/2023 20:17	WG2147452
1,1,1-Trichloroethane	ND		1.00	1	10/08/2023 20:17	WG2147452
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/08/2023 20:17	WG2147452
1,1,2-Trichloroethane	ND		1.00	1	10/08/2023 20:17	WG2147452
1,1-Dichloroethane	ND		1.00	1	10/08/2023 20:17	WG2147452
1,1-Dichloroethene	ND		1.00	1	10/08/2023 20:17	WG2147452
1,2,3-Trichloropropane	ND		1.00	1	10/08/2023 20:17	WG2147452

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		2.00	1	10/08/2023 20:17	WG2147452
1,2-Dibromoethane	ND		1.00	1	10/08/2023 20:17	WG2147452
1,2-Dichlorobenzene	ND		1.00	1	10/08/2023 20:17	WG2147452
1,2-Dichloroethane	ND		1.00	1	10/08/2023 20:17	WG2147452
1,2-Dichloropropane	ND		1.00	1	10/08/2023 20:17	WG2147452
1,4-Dichlorobenzene	ND		1.00	1	10/08/2023 20:17	WG2147452
2-Butanone (MEK)	ND		5.00	1	10/08/2023 20:17	WG2147452
2-Hexanone	ND		5.00	1	10/08/2023 20:17	WG2147452
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/08/2023 20:17	WG2147452
Acetone	ND		10.0	1	10/08/2023 20:17	WG2147452
Acrylonitrile	ND		20.0	1	10/08/2023 20:17	WG2147452
Benzene	ND		1.00	1	10/08/2023 20:17	WG2147452
Bromochloromethane	ND		1.00	1	10/08/2023 20:17	WG2147452
Bromodichloromethane	ND		1.00	1	10/08/2023 20:17	WG2147452
Bromoform	ND		1.00	1	10/08/2023 20:17	WG2147452
Bromomethane	ND		1.00	1	10/08/2023 20:17	WG2147452
Carbon disulfide	ND		1.00	1	10/08/2023 20:17	WG2147452
Carbon tetrachloride	ND		1.00	1	10/08/2023 20:17	WG2147452
Chlorobenzene	ND		1.00	1	10/08/2023 20:17	WG2147452
Chloroethane	ND		1.00	1	10/08/2023 20:17	WG2147452
Chloroform	ND		1.00	1	10/08/2023 20:17	WG2147452
Chloromethane	ND	J4	1.00	1	10/08/2023 20:17	WG2147452
Dibromochloromethane	ND		1.00	1	10/08/2023 20:17	WG2147452
Dibromomethane	ND		1.00	1	10/08/2023 20:17	WG2147452
Ethylbenzene	ND		1.00	1	10/09/2023 23:03	WG2147871
Iodomethane	ND		1.00	1	10/08/2023 20:17	WG2147452
Methylene Chloride	ND		1.07	1	10/08/2023 20:17	WG2147452
Styrene	ND		1.00	1	10/08/2023 20:17	WG2147452
Tetrachloroethene	ND		1.00	1	10/08/2023 20:17	WG2147452
Toluene	ND		1.00	1	10/08/2023 20:17	WG2147452
Trichloroethene	ND		1.00	1	10/08/2023 20:17	WG2147452
Trichlorofluoromethane	ND		1.00	1	10/08/2023 20:17	WG2147452
Vinyl acetate	ND		5.00	1	10/08/2023 20:17	WG2147452
Vinyl chloride	ND		1.00	1	10/08/2023 20:17	WG2147452
Xylenes, Total	ND		1.00	1	10/08/2023 20:17	WG2147452
cis-1,2-Dichloroethene	ND		1.00	1	10/08/2023 20:17	WG2147452
cis-1,3-Dichloropropene	ND		1.00	1	10/08/2023 20:17	WG2147452
trans-1,2-Dichloroethene	ND		1.00	1	10/08/2023 20:17	WG2147452
trans-1,3-Dichloropropene	ND		1.00	1	10/08/2023 20:17	WG2147452
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/08/2023 20:17	WG2147452
(S) 1,2-Dichloroethane-d4	*93.5*			*70.0-130*	*10/08/2023 20:17*	WG2147452
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*	*10/09/2023 23:03*	WG2147871
(S) 4-Bromofluorobenzene	*92.0*			*77.0-126*	*10/08/2023 20:17*	WG2147452
(S) 4-Bromofluorobenzene	*87.8*			*77.0-126*	*10/09/2023 23:03*	WG2147871
(S) Toluene-d8	*114*			*80.0-120*	*10/08/2023 20:17*	WG2147452
(S) Toluene-d8	*116*			*80.0-120*	*10/09/2023 23:03*	WG2147871

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

Analyte	Result	Units
pH (On Site)	6.73	su
Specific Conductance (on site)	708	umhos/cm
Temperature (on-site)	19.2	Deg. C
Turbidity (on-site)	3.1	NTU
Dissolved Oxygen (on-site)	7	mg/l
eH/ORP (On Site)	159	mV
Depth to water (DTW) (FROM TOC)	72.78	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	10/10/2023 13:05	WG2148269

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	11.3		3.00	1	10/12/2023 06:52	WG2149658

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	2.23		1.00	1	10/12/2023 14:31	WG2149939

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

Analyte	Result	Units
pH (On Site)	5.09	su
Specific Conductance (on site)	115	umhos/cm
Temperature (on-site)	17.2	Deg. C
Turbidity (on-site)	3.9	NTU
Dissolved Oxygen (on-site)	5.5	mg/l
eH/ORP (On Site)	194.4	mV
Depth to water (DTW) (FROM TOC)	56.68	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	10/10/2023 13:08	WG2148269

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	4.93		3.00	1	10/12/2023 07:05	WG2149658

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

Analyte	Result	Units
pH (On Site)	6.47	su
Specific Conductance (on site)	924	umhos/cm
Temperature (on-site)	17.4	Deg. C
Turbidity (on-site)	4.1	NTU
Dissolved Oxygen (on-site)	1.8	mg/l
eH/ORP (On Site)	162	mV
Depth to water (DTW) (FROM TOC)	60.95	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	10/10/2023 13:09	WG2148269

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	20.3		3.00	1	10/12/2023 07:19	WG2149658

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.63		1.00	1	10/12/2023 14:45	WG2149939

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

Analyte	Result	Units
pH (On Site)	6.32	su
Specific Conductance (on site)	1049	umhos/cm
Temperature (on-site)	18.2	Deg. C
Turbidity (on-site)	8	NTU
Dissolved Oxygen (on-site)	1	mg/l
eH/ORP (On Site)	-112.1	mV
Depth to water (DTW) (FROM TOC)	71.98	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	438		10.0	1	10/12/2023 12:22	WG2149548

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	0.260		0.100	1	10/10/2023 13:11	WG2148269

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Sulfide	ND		4.00	1	10/07/2023 12:48	WG2146948

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cyanide	ND		0.0100	1	10/09/2023 11:51	WG2146824

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	31.0		3.00	1	10/12/2023 07:33	WG2149658
Sulfate	5.37		5.00	1	10/12/2023 07:33	WG2149658

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	2.29		1.00	1	10/12/2023 16:25	WG2149939

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury,Total Recoverable	ND		0.000200	1	10/11/2023 11:23	WG2147175

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Barium,Total Recoverable	0.132		0.00500	1	10/13/2023 23:07	WG2146860
Iron, Total Recoverable	2.41		0.0600	1	10/13/2023 23:07	WG2146860
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 23:07	WG2146860
Manganese,Total Recoverable	12.7		0.00300	1	10/13/2023 23:07	WG2146860
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 23:07	WG2146860

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 23:07	WG2146860
Tin, Total Recoverable	ND		0.100	1	10/13/2023 23:07	WG2146860

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Antimony, Total Recoverable	ND		0.00200	1	10/11/2023 23:11	WG2146872
Arsenic, Total Recoverable	ND		0.00500	1	10/11/2023 23:11	WG2146872
Beryllium, Total Recoverable	0.00103	J	0.00100	1	10/11/2023 23:11	WG2146872
Cadmium, Total Recoverable	0.00181		0.00100	1	10/11/2023 23:11	WG2146872
Chromium, Total Recoverable	ND		0.00300	1	10/11/2023 23:11	WG2146872
Cobalt,Total Recoverable	ND		0.00300	1	10/11/2023 23:11	WG2146872
Copper, Total Recoverable	ND		0.00400	1	10/11/2023 23:11	WG2146872
Nickel, Total Recoverable	0.0114		0.00400	1	10/11/2023 23:11	WG2146872
Thallium, Total Recoverable	0.00121	J	0.00100	1	10/11/2023 23:11	WG2146872
Vanadium,Total Recoverable	ND		0.00300	1	10/11/2023 23:11	WG2146872
Zinc, Total Recoverable	0.120		0.00500	1	10/11/2023 23:11	WG2146872

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/08/2023 10:38	WG2147154
1,1,1-Trichloroethane	ND		1.00	1	10/08/2023 10:38	WG2147154
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/08/2023 10:38	WG2147154
1,1,2-Trichloroethane	ND		1.00	1	10/08/2023 10:38	WG2147154
1,1-Dichloroethane	ND		1.00	1	10/08/2023 10:38	WG2147154
1,1-Dichloroethene	ND		1.00	1	10/08/2023 10:38	WG2147154
1,1-Dichloropropene	ND		1.00	1	10/08/2023 10:38	WG2147154
1,2,3-Trichloropropane	ND		1.00	1	10/08/2023 10:38	WG2147154
1,2-Dibromo-3-Chloropropane	ND		2.00	1	10/08/2023 10:38	WG2147154
1,2-Dibromoethane	ND		1.00	1	10/08/2023 10:38	WG2147154
1,2-Dichlorobenzene	ND		1.00	1	10/08/2023 10:38	WG2147154
1,2-Dichloroethane	ND		1.00	1	10/08/2023 10:38	WG2147154
1,2-Dichloropropane	ND		1.00	1	10/08/2023 10:38	WG2147154
1,3-Dichlorobenzene	ND		1.00	1	10/08/2023 10:38	WG2147154
1,3-Dichloropropane	ND		1.00	1	10/08/2023 10:38	WG2147154
1,4-Dichlorobenzene	ND		1.00	1	10/08/2023 10:38	WG2147154
2,2-Dichloropropane	ND		5.00	1	10/08/2023 10:38	WG2147154
2-Butanone (MEK)	ND		5.00	1	10/08/2023 10:38	WG2147154
2-Hexanone	ND		5.00	1	10/08/2023 10:38	WG2147154
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/08/2023 10:38	WG2147154
Acetone	ND		11.3	1	10/08/2023 10:38	WG2147154
Acetonitrile	ND		30.0	1	10/08/2023 10:38	WG2147154
Acrolein	ND		20.0	1	10/08/2023 10:38	WG2147154
Acrylonitrile	ND		20.0	1	10/08/2023 10:38	WG2147154
Allyl chloride	ND		10.0	1	10/08/2023 10:38	WG2147154
Benzene	ND		1.00	1	10/08/2023 10:38	WG2147154
Bromochloromethane	ND		1.00	1	10/08/2023 10:38	WG2147154
Bromodichloromethane	ND		1.00	1	10/08/2023 10:38	WG2147154
Bromoform	ND		1.00	1	10/08/2023 10:38	WG2147154
Bromomethane	ND		1.00	1	10/08/2023 10:38	WG2147154
Carbon disulfide	ND		1.00	1	10/08/2023 10:38	WG2147154
Carbon tetrachloride	ND		1.00	1	10/08/2023 10:38	WG2147154
Chlorobenzene	ND		1.00	1	10/08/2023 10:38	WG2147154
Chloroethane	ND		1.00	1	10/08/2023 10:38	WG2147154

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Chloroform	ND		1.00	1	10/08/2023 10:38	WG2147154
Chloromethane	ND		1.00	1	10/08/2023 10:38	WG2147154
Chloroprene	ND		1.70	1	10/08/2023 10:38	WG2147154
Dibromochloromethane	ND		1.00	1	10/08/2023 10:38	WG2147154
Dibromomethane	ND		1.00	1	10/08/2023 10:38	WG2147154
Dichlorodifluoromethane	ND		2.00	1	10/08/2023 10:38	WG2147154
Ethyl methacrylate	ND		3.00	1	10/08/2023 10:38	WG2147154
Ethylbenzene	ND		1.00	1	10/08/2023 10:38	WG2147154
Iodomethane	ND		1.00	1	10/08/2023 10:38	WG2147154
Isobutanol	ND		110	1	10/08/2023 10:38	WG2147154
Methacrylonitrile	ND		13.0	1	10/08/2023 10:38	WG2147154
Methyl methacrylate	ND		4.00	1	10/08/2023 10:38	WG2147154
Methylene Chloride	ND		1.07	1	10/08/2023 10:38	WG2147154
Propionitrile	ND		20.0	1	10/08/2023 10:38	WG2147154
Styrene	ND		1.00	1	10/08/2023 10:38	WG2147154
Tetrachloroethene	ND		1.00	1	10/08/2023 10:38	WG2147154
Toluene	ND		1.00	1	10/08/2023 10:38	WG2147154
Trichloroethene	ND		1.00	1	10/08/2023 10:38	WG2147154
Trichlorofluoromethane	ND		1.00	1	10/08/2023 10:38	WG2147154
Vinyl acetate	ND	J3	5.00	1	10/08/2023 10:38	WG2147154
Vinyl chloride	ND		1.00	1	10/08/2023 10:38	WG2147154
Xylenes, Total	ND		1.00	1	10/08/2023 10:38	WG2147154
cis-1,2-Dichloroethene	ND		1.00	1	10/08/2023 10:38	WG2147154
cis-1,3-Dichloropropene	ND		1.00	1	10/08/2023 10:38	WG2147154
trans-1,2-Dichloroethene	ND		1.00	1	10/08/2023 10:38	WG2147154
trans-1,3-Dichloropropene	ND		1.00	1	10/08/2023 10:38	WG2147154
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/08/2023 10:38	WG2147154
(S) Toluene-d8	*107*			*80.0-120*	*10/08/2023 10:38*	WG2147154
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*	*10/08/2023 10:38*	WG2147154
(S) 4-Bromofluorobenzene	*89.9*			*77.0-126*	*10/08/2023 10:38*	WG2147154

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
2,4,5-T	ND	J3	1.00	1	10/10/2023 18:48	WG2145481
2,4,5-Tp (Silvex)	ND	J3	1.00	1	10/10/2023 18:48	WG2145481
2,4-D	ND	J3	4.00	1	10/10/2023 18:48	WG2145481
(S) 2,4-Dichlorophenyl Acetic Acid	*86.6*			*14.0-158*	*10/10/2023 18:48*	WG2145481

Pesticides (GC) by Method 8081

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4,4-DDD	ND		0.0500	1	10/08/2023 22:17	WG2147257
4,4-DDE	ND		0.0500	1	10/08/2023 22:17	WG2147257
4,4-DDT	ND		0.0500	1	10/08/2023 22:17	WG2147257
Aldrin	ND		0.0500	1	10/08/2023 22:17	WG2147257
Alpha BHC	ND		0.0500	1	10/08/2023 22:17	WG2147257
Beta BHC	ND		0.500	1	10/08/2023 22:17	WG2147257
Chlordane	ND		0.500	1	10/08/2023 22:17	WG2147257
Delta BHC	ND		0.0500	1	10/08/2023 22:17	WG2147257
Dieldrin	ND		0.0500	1	10/08/2023 22:17	WG2147257
Endosulfan I	ND		0.0500	1	10/08/2023 22:17	WG2147257
Endosulfan II	ND		0.0500	1	10/08/2023 22:17	WG2147257
Endosulfan sulfate	ND		0.0500	1	10/08/2023 22:17	WG2147257
Endrin	ND		0.0500	1	10/08/2023 22:17	WG2147257

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Endrin aldehyde	ND		0.0500	1	10/08/2023 22:17	WG2147257
Gamma BHC	ND		0.0500	1	10/08/2023 22:17	WG2147257
Heptachlor	ND		0.0500	1	10/08/2023 22:17	WG2147257
Heptachlor epoxide	ND		0.0500	1	10/08/2023 22:17	WG2147257
Methoxychlor	ND		0.100	1	10/08/2023 22:17	WG2147257
Toxaphene	ND		5.00	1	10/08/2023 22:17	WG2147257
(S) Decachlorobiphenyl	*57.0*			*10.0-128*	*10/08/2023 22:17*	WG2147257
(S) Tetrachloro-m-xylene	*82.1*			*10.0-127*	*10/08/2023 22:17*	WG2147257

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	10/08/2023 22:17	WG2147257
PCB 1221	ND		1.00	1	10/08/2023 22:17	WG2147257
PCB 1232	ND		1.00	1	10/08/2023 22:17	WG2147257
PCB 1242	ND		1.00	1	10/08/2023 22:17	WG2147257
PCB 1248	ND		1.00	1	10/08/2023 22:17	WG2147257
PCB 1254	ND		1.00	1	10/08/2023 22:17	WG2147257
PCB 1260	ND		1.00	1	10/08/2023 22:17	WG2147257
(S) Decachlorobiphenyl	*68.3*			*10.0-128*	*10/08/2023 22:17*	WG2147257
(S) Tetrachloro-m-xylene	*90.6*			*10.0-127*	*10/08/2023 22:17*	WG2147257

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	10/12/2023 19:41	WG2148873
1,2,4-Trichlorobenzene	ND		10.0	1	10/12/2023 19:41	WG2148873
1,3,5-Trinitrobenzene	ND		50.0	1	10/13/2023 22:34	WG2148873
1,3-Dinitrobenzene	ND		10.0	1	10/13/2023 22:34	WG2148873
1,4-Naphthoquinone	ND	J4	50.0	1	10/13/2023 22:34	WG2148873
1-Naphthylamine	ND		10.0	1	10/13/2023 22:34	WG2148873
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	10/12/2023 19:41	WG2148873
2,3,4,6-Tetrachlorophenol	ND		50.0	1	10/12/2023 19:41	WG2148873
2,4,5-Trichlorophenol	ND		10.0	1	10/12/2023 19:41	WG2148873
2,4,6-Trichlorophenol	ND		10.0	1	10/12/2023 19:41	WG2148873
2,4-Dichlorophenol	ND		10.0	1	10/12/2023 19:41	WG2148873
2,4-Dimethylphenol	ND		10.0	1	10/12/2023 19:41	WG2148873
2,4-Dinitrophenol	ND		50.0	1	10/12/2023 19:41	WG2148873
2,4-Dinitrotoluene	ND		10.0	1	10/12/2023 19:41	WG2148873
2,6-Dichlorophenol	ND		10.0	1	10/13/2023 22:34	WG2148873
2,6-Dinitrotoluene	ND		10.0	1	10/12/2023 19:41	WG2148873
2-Acetylaminofluorene	ND		100	1	10/13/2023 22:34	WG2148873
2-Chloronaphthalene	ND		10.0	1	10/12/2023 19:41	WG2148873
2-Chlorophenol	ND		10.0	1	10/12/2023 19:41	WG2148873
2-Methylnaphthalene	ND		10.0	1	10/12/2023 19:41	WG2148873
2-Methylphenol	ND		10.0	1	10/12/2023 19:41	WG2148873
2-Naphthylamine	ND		10.0	1	10/13/2023 22:34	WG2148873
2-Nitroaniline	ND		50.0	1	10/12/2023 19:41	WG2148873
2-Nitrophenol	ND		10.0	1	10/12/2023 19:41	WG2148873
3&4-Methyl Phenol	ND		10.0	1	10/12/2023 19:41	WG2148873
3,3-Dichlorobenzidine	ND		50.0	1	10/12/2023 19:41	WG2148873
3,3-Dimethylbenzidine	ND	J4	20.0	1	10/13/2023 22:34	WG2148873
3-Methylcholanthrene	ND		20.0	1	10/13/2023 22:34	WG2148873
3-Nitroaniline	ND		50.0	1	10/12/2023 19:41	WG2148873
4,6-Dinitro-2-methylphenol	ND		50.0	1	10/12/2023 19:41	WG2148873

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

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
4-Aminobiphenyl	ND		10.0	1	10/13/2023 22:34	WG2148873
4-Bromophenyl-phenylether	ND		50.0	1	10/12/2023 19:41	WG2148873
4-Chloro-3-methylphenol	ND		10.0	1	10/12/2023 19:41	WG2148873
4-Chloroaniline	ND		10.0	1	10/12/2023 19:41	WG2148873
4-Chlorophenyl-phenylether	ND		10.0	1	10/12/2023 19:41	WG2148873
4-Nitroaniline	ND		50.0	1	10/12/2023 19:41	WG2148873
4-Nitrophenol	ND		50.0	1	10/12/2023 19:41	WG2148873
5-Nitro-o-toluidine	ND		20.0	1	10/13/2023 22:34	WG2148873
Acenaphthene	ND		10.0	1	10/12/2023 19:41	WG2148873
Acenaphthylene	ND		10.0	1	10/12/2023 19:41	WG2148873
Acetophenone	ND		10.0	1	10/12/2023 19:41	WG2148873
Anthracene	ND		10.0	1	10/12/2023 19:41	WG2148873
Benzo(A)Anthracene	ND		10.0	1	10/12/2023 19:41	WG2148873
Benzo(a)pyrene	ND		10.0	1	10/12/2023 19:41	WG2148873
Benzo(b)fluoranthene	ND		10.0	1	10/12/2023 19:41	WG2148873
Benzo(g,h,i)perylene	ND		10.0	1	10/12/2023 19:41	WG2148873
Benzo(k)fluoranthene	ND		10.0	1	10/12/2023 19:41	WG2148873
Benzyl Alcohol	ND		10.0	1	10/12/2023 19:41	WG2148873
Benzylbutyl phthalate	ND		10.0	1	10/12/2023 19:41	WG2148873
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	10/12/2023 19:41	WG2148873
Bis(2-chlorethoxy)methane	ND		10.0	1	10/12/2023 19:41	WG2148873
Bis(2-chloroethyl)ether	ND		10.0	1	10/12/2023 19:41	WG2148873
Chlorobenzilate	ND		10.0	1	10/13/2023 22:34	WG2148873
Chrysene	ND		10.0	1	10/12/2023 19:41	WG2148873
Di-n-butyl phthalate	ND		10.0	1	10/12/2023 19:41	WG2148873
Di-n-octyl phthalate	ND		10.0	1	10/12/2023 19:41	WG2148873
Diallate	ND		20.0	1	10/13/2023 22:34	WG2148873
Dibenz(a,h)anthracene	ND		20.0	1	10/12/2023 19:41	WG2148873
Dibenzofuran	ND		10.0	1	10/12/2023 19:41	WG2148873
Diethyl phthalate	ND		10.0	1	10/12/2023 19:41	WG2148873
Dimethoate	ND		20.0	1	10/13/2023 22:34	WG2148873
Dimethyl phthalate	ND		10.0	1	10/12/2023 19:41	WG2148873
Dimethylbenz (A) Anthracene	ND		20.0	1	10/13/2023 22:34	WG2148873
Dinoseb	ND		17.9	1	10/13/2023 22:34	WG2148873
Diphenylamine	ND		10.0	1	10/12/2023 19:41	WG2148873
Disulfoton	ND		50.0	1	10/13/2023 22:34	WG2148873
Ethyl methanesulfonate	ND		10.0	1	10/13/2023 22:34	WG2148873
Ethyl parathion	ND		50.0	1	10/13/2023 22:34	WG2148873
Famphur	ND		200	1	10/13/2023 22:34	WG2148873
Fluoranthene	ND		1.00	1	10/12/2023 19:41	WG2148873
Fluorene	ND		10.0	1	10/12/2023 19:41	WG2148873
Hexachloro-1,3-butadiene	ND		10.0	1	10/12/2023 19:41	WG2148873
Hexachlorobenzene	ND		10.0	1	10/12/2023 19:41	WG2148873
Hexachlorocyclopentadiene	ND		50.0	1	10/12/2023 19:41	WG2148873
Hexachloroethane	ND		10.0	1	10/12/2023 19:41	WG2148873
Hexachloropropene	ND		100	1	10/13/2023 22:34	WG2148873
Indeno(1,2,3-cd)pyrene	ND		10.0	1	10/12/2023 19:41	WG2148873
Isodrin	ND		10.0	1	10/13/2023 22:34	WG2148873
Isophorone	ND		10.0	1	10/12/2023 19:41	WG2148873
Isosafrole	ND		20.0	1	10/13/2023 22:34	WG2148873
Kepone	ND		1.88	1	10/13/2023 22:34	WG2148873
Methapyrilene	ND		50.0	1	10/13/2023 22:34	WG2148873
Methyl methanesulfonate	ND		50.0	1	10/13/2023 22:34	WG2148873
Methyl parathion	ND		10.0	1	10/13/2023 22:34	WG2148873
Naphthalene	ND		10.0	1	10/12/2023 19:41	WG2148873
Nitrobenzene	ND		10.0	1	10/12/2023 19:41	WG2148873

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	10/13/2023 22:34	WG2148873
P-(Dimethylamino) Azobenzene	ND		20.0	1	10/13/2023 22:34	WG2148873
Pentachlorobenzene	ND		10.0	1	10/13/2023 22:34	WG2148873
Pentachloronitrobenzene	ND		50.0	1	10/13/2023 22:34	WG2148873
Pentachlorophenol	ND		50.0	1	10/12/2023 19:41	WG2148873
Phenacetin	ND		10.0	1	10/13/2023 22:34	WG2148873
Phenanthrene	ND		20.0	1	10/12/2023 19:41	WG2148873
Phenol	ND		10.0	1	10/12/2023 19:41	WG2148873
Phorate	ND		50.0	1	10/13/2023 22:34	WG2148873
Pronamide	ND		20.0	1	10/13/2023 22:34	WG2148873
Pyrene	ND		10.0	1	10/12/2023 19:41	WG2148873
Safrole	ND		50.0	1	10/13/2023 22:34	WG2148873
Thionazin	ND		10.0	1	10/13/2023 22:34	WG2148873
n-Nitrosodi-n-butylamine	ND		10.0	1	10/13/2023 22:34	WG2148873
n-Nitrosodi-n-propylamine	ND		10.0	1	10/12/2023 19:41	WG2148873
n-Nitrosodiethylamine	ND		10.0	1	10/13/2023 22:34	WG2148873
n-Nitrosodimethylamine	ND		10.0	1	10/12/2023 19:41	WG2148873
n-Nitrosodiphenylamine	ND		10.0	1	10/12/2023 19:41	WG2148873
n-Nitrosomethylethylamine	ND		10.0	1	10/13/2023 22:34	WG2148873
n-Nitrosopiperidine	ND		10.0	1	10/13/2023 22:34	WG2148873
n-Nitrosopyrrolidine	ND		10.0	1	10/13/2023 22:34	WG2148873
o-Toluidine	ND		10.0	1	10/13/2023 22:34	WG2148873
p-Phenylenediamine	ND	J4	387	1	10/13/2023 22:34	WG2148873
(S) Phenol-d5	*21.4*			*10.0-120*	*10/12/2023 19:41*	WG2148873
(S) 2,4,6-Tribromophenol	*54.5*			*10.0-155*	*10/12/2023 19:41*	WG2148873
(S) p-Terphenyl-d14	*70.9*			*10.0-128*	*10/12/2023 19:41*	WG2148873
(S) Nitrobenzene-d5	*59.9*			*10.0-127*	*10/12/2023 19:41*	WG2148873
(S) 2-Fluorobiphenyl	*52.9*			*10.0-130*	*10/12/2023 19:41*	WG2148873
(S) 2-Fluorophenol	*29.3*			*10.0-120*	*10/12/2023 19:41*	WG2148873

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

Analyte	Result	Units
pH (On Site)	6.67	su
Specific Conductance (on site)	690	umhos/cm
Temperature (on-site)	16.9	Deg. C
Turbidity (on-site)	2.3	NTU
Dissolved Oxygen (on-site)	3.8	mg/l
eH/ORP (On Site)	139.9	mV
Depth to water (DTW) (FROM TOC)	87.91	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	10/10/2023 13:12	WG2148269

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	30.1		3.00	1	10/11/2023 22:32	WG2149492

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	2.07		1.00	1	10/12/2023 16:53	WG2149939

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

Analyte	Result	Units
pH (On Site)	6.42	su
Specific Conductance (on site)	702	umhos/cm
Temperature (on-site)	16.4	Deg. C
Turbidity (on-site)	2	NTU
Dissolved Oxygen (on-site)	5.6	mg/l
eH/ORP (On Site)	151.8	mV
Depth to water (DTW) (FROM TOC)	58.8	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	10/10/2023 13:14	WG2148269

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	39.3		3.00	1	10/12/2023 07:47	WG2149658

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)	449	umhos/cm
Temperature (on-site)	17.2	Deg. C
Turbidity (on-site)	2	NTU
Dissolved Oxygen (on-site)	6.7	mg/l
eH/ORP (On Site)	129.2	mV
Depth to water (DTW) (FROM TOC)	73.84	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	10/10/2023 13:15	WG2148269

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	4.05		3.00	1	10/13/2023 21:38	WG2149890

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

Analyte	Result	Units
pH (On Site)	6.56	su
Specific Conductance (on site)	315	umhos/cm
Temperature (on-site)	18.3	Deg. C
Turbidity (on-site)	18.5	NTU
Dissolved Oxygen (on-site)	7.7	mg/l
eH/ORP (On Site)	53.6	mV
Depth to water (DTW) (FROM TOC)	60.4	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	10/10/2023 13:17	WG2148269

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	6.63		3.00	1	10/13/2023 21:52	WG2149890

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

Analyte	Result	Units
pH (On Site)	7.07	su
Specific Conductance (on site)	513	umhos/cm
Temperature (on-site)	18.8	Deg. C
Turbidity (on-site)	2.1	NTU
Dissolved Oxygen (on-site)	7.9	mg/l
eH/ORP (On Site)	135.6	mV
Depth to water (DTW) (FROM TOC)	68.15	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	10/10/2023 13:23	WG2148269

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	7.79		3.00	1	10/13/2023 22:06	WG2149890

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)	656	umhos/cm
Temperature (on-site)	15.5	Deg. C
Turbidity (on-site)	8.2	NTU
Dissolved Oxygen (on-site)	4.7	mg/l
eH/ORP (On Site)	-16.8	mV
Depth to water (DTW) (FROM TOC)	46.41	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	237		10.0	1	10/12/2023 12:22	WG2149548

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	19.1		3.00	1	10/13/2023 20:35	WG2149864
Sulfate	15.2		5.00	1	10/13/2023 20:35	WG2149864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.55		1.00	1	10/12/2023 17:08	WG2149939

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 23:10	WG2146860
Barium,Total Recoverable	0.0187		0.00500	1	10/13/2023 23:10	WG2146860
Iron, Total Recoverable	ND		0.0600	1	10/13/2023 23:10	WG2146860
Manganese,Total Recoverable	0.237		0.00300	1	10/13/2023 23:10	WG2146860
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 23:10	WG2146860
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 23:10	WG2146860

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	10/11/2023 23:23	WG2146872
Beryllium, Total Recoverable	ND		0.00100	1	10/11/2023 23:23	WG2146872
Cadmium, Total Recoverable	0.00159		0.00100	1	10/11/2023 23:23	WG2146872
Cobalt,Total Recoverable	ND		0.00300	1	10/11/2023 23:23	WG2146872
Chromium, Total Recoverable	ND		0.00300	1	10/11/2023 23:23	WG2146872
Copper, Total Recoverable	ND		0.00400	1	10/11/2023 23:23	WG2146872
Nickel, Total Recoverable	0.00505		0.00400	1	10/11/2023 23:23	WG2146872
Antimony, Total Recoverable	ND		0.00200	1	10/11/2023 23:23	WG2146872
Thallium, Total Recoverable	ND		0.00100	1	10/11/2023 23:23	WG2146872
Vanadium,Total Recoverable	ND		0.00300	1	10/11/2023 23:23	WG2146872
Zinc, Total Recoverable	0.00631	J	0.00500	1	10/11/2023 23:23	WG2146872

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/08/2023 20:36	WG2147452
1,1,1-Trichloroethane	ND		1.00	1	10/08/2023 20:36	WG2147452
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/08/2023 20:36	WG2147452
1,1,2-Trichloroethane	ND		1.00	1	10/08/2023 20:36	WG2147452
1,1-Dichloroethane	ND		1.00	1	10/08/2023 20:36	WG2147452
1,1-Dichloroethene	ND		1.00	1	10/08/2023 20:36	WG2147452
1,2,3-Trichloropropane	ND		1.00	1	10/08/2023 20:36	WG2147452
1,2-Dibromo-3-Chloropropane	ND		2.00	1	10/08/2023 20:36	WG2147452
1,2-Dibromoethane	ND		1.00	1	10/08/2023 20:36	WG2147452
1,2-Dichlorobenzene	ND		1.00	1	10/08/2023 20:36	WG2147452
1,2-Dichloroethane	ND		1.00	1	10/08/2023 20:36	WG2147452
1,2-Dichloropropane	ND		1.00	1	10/08/2023 20:36	WG2147452
1,4-Dichlorobenzene	ND		1.00	1	10/08/2023 20:36	WG2147452
2-Butanone (MEK)	ND		5.00	1	10/08/2023 20:36	WG2147452
2-Hexanone	ND		5.00	1	10/08/2023 20:36	WG2147452
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/08/2023 20:36	WG2147452
Acetone	ND		10.0	1	10/08/2023 20:36	WG2147452
Acrylonitrile	ND		20.0	1	10/08/2023 20:36	WG2147452
Benzene	ND		1.00	1	10/08/2023 20:36	WG2147452
Bromochloromethane	ND		1.00	1	10/08/2023 20:36	WG2147452
Bromodichloromethane	ND		1.00	1	10/08/2023 20:36	WG2147452
Bromoform	ND		1.00	1	10/08/2023 20:36	WG2147452
Bromomethane	ND		1.00	1	10/08/2023 20:36	WG2147452
Carbon disulfide	ND		1.00	1	10/08/2023 20:36	WG2147452
Carbon tetrachloride	ND		1.00	1	10/08/2023 20:36	WG2147452
Chlorobenzene	ND		1.00	1	10/08/2023 20:36	WG2147452
Chloroethane	ND		1.00	1	10/08/2023 20:36	WG2147452
Chloroform	ND		1.00	1	10/08/2023 20:36	WG2147452
Chloromethane	ND	J4	1.00	1	10/08/2023 20:36	WG2147452
Dibromochloromethane	ND		1.00	1	10/08/2023 20:36	WG2147452
Dibromomethane	ND		1.00	1	10/08/2023 20:36	WG2147452
Ethylbenzene	ND		1.00	1	10/08/2023 20:36	WG2147452
Iodomethane	ND		1.00	1	10/08/2023 20:36	WG2147452
Methylene Chloride	ND		1.07	1	10/08/2023 20:36	WG2147452
Styrene	ND		1.00	1	10/08/2023 20:36	WG2147452
Tetrachloroethene	ND		1.00	1	10/08/2023 20:36	WG2147452
Toluene	ND		1.00	1	10/08/2023 20:36	WG2147452
Trichloroethene	ND		1.00	1	10/08/2023 20:36	WG2147452
Trichlorofluoromethane	ND		1.00	1	10/08/2023 20:36	WG2147452
Vinyl acetate	ND		5.00	1	10/08/2023 20:36	WG2147452
Vinyl chloride	ND		1.00	1	10/08/2023 20:36	WG2147452
Xylenes, Total	ND		1.00	1	10/08/2023 20:36	WG2147452
cis-1,2-Dichloroethene	ND		1.00	1	10/08/2023 20:36	WG2147452
cis-1,3-Dichloropropene	ND		1.00	1	10/08/2023 20:36	WG2147452
trans-1,2-Dichloroethene	ND		1.00	1	10/08/2023 20:36	WG2147452
trans-1,3-Dichloropropene	ND		1.00	1	10/08/2023 20:36	WG2147452
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/08/2023 20:36	WG2147452
(S) 1,2-Dichloroethane-d4	*94.5*			*70.0-130*	*10/08/2023 20:36*	WG2147452
(S) 4-Bromofluorobenzene	*92.6*			*77.0-126*	*10/08/2023 20:36*	WG2147452
(S) Toluene-d8	*111*			*80.0-120*	*10/08/2023 20:36*	WG2147452

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

Analyte	Result	Units
pH (On Site)	6.26	su
Specific Conductance (on site)	471	umhos/cm
Temperature (on-site)	15.9	Deg. C
Turbidity (on-site)	3	NTU
Dissolved Oxygen (on-site)	3.3	mg/l
eH/ORP (On Site)	134.1	mV
Depth to water (DTW) (FROM TOC)	21.6	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	254		10.0	1	10/10/2023 13:19	WG2148182

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	26.0		3.00	1	10/13/2023 20:48	WG2149864
Sulfate	12.5		5.00	1	10/13/2023 20:48	WG2149864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	2.09		1.00	1	10/12/2023 17:24	WG2149939

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 23:13	WG2146860
Barium,Total Recoverable	0.0985		0.00500	1	10/13/2023 23:13	WG2146860
Iron, Total Recoverable	ND		0.0600	1	10/13/2023 23:13	WG2146860
Manganese,Total Recoverable	ND		0.00300	1	10/13/2023 23:13	WG2146860
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 23:13	WG2146860
Selenium, Total Recoverable	0.0149		0.0100	1	10/13/2023 23:13	WG2146860

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	10/11/2023 23:26	WG2146872
Beryllium, Total Recoverable	ND		0.00100	1	10/11/2023 23:26	WG2146872
Cadmium, Total Recoverable	ND		0.00100	1	10/11/2023 23:26	WG2146872
Cobalt,Total Recoverable	ND		0.00300	1	10/11/2023 23:26	WG2146872
Chromium, Total Recoverable	ND		0.00300	1	10/11/2023 23:26	WG2146872
Copper, Total Recoverable	ND		0.00400	1	10/11/2023 23:26	WG2146872
Nickel, Total Recoverable	ND		0.00400	1	10/11/2023 23:26	WG2146872
Antimony, Total Recoverable	ND		0.00200	1	10/11/2023 23:26	WG2146872
Thallium, Total Recoverable	ND		0.00100	1	10/11/2023 23:26	WG2146872
Vanadium,Total Recoverable	ND		0.00300	1	10/11/2023 23:26	WG2146872
Zinc, Total Recoverable	ND		0.00500	1	10/11/2023 23:26	WG2146872

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/08/2023 20:55	WG2147452
1,1,1-Trichloroethane	ND		1.00	1	10/08/2023 20:55	WG2147452
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/08/2023 20:55	WG2147452
1,1,2-Trichloroethane	ND		1.00	1	10/08/2023 20:55	WG2147452
1,1-Dichloroethane	ND		1.00	1	10/08/2023 20:55	WG2147452
1,1-Dichloroethene	ND		1.00	1	10/08/2023 20:55	WG2147452
1,2,3-Trichloropropane	ND		1.00	1	10/08/2023 20:55	WG2147452
1,2-Dibromo-3-Chloropropane	ND		2.00	1	10/08/2023 20:55	WG2147452
1,2-Dibromoethane	ND		1.00	1	10/08/2023 20:55	WG2147452
1,2-Dichlorobenzene	ND		1.00	1	10/08/2023 20:55	WG2147452
1,2-Dichloroethane	ND		1.00	1	10/08/2023 20:55	WG2147452
1,2-Dichloropropane	ND		1.00	1	10/08/2023 20:55	WG2147452
1,4-Dichlorobenzene	ND		1.00	1	10/08/2023 20:55	WG2147452
2-Butanone (MEK)	ND		5.00	1	10/08/2023 20:55	WG2147452
2-Hexanone	ND		5.00	1	10/08/2023 20:55	WG2147452
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/08/2023 20:55	WG2147452
Acetone	ND		10.0	1	10/08/2023 20:55	WG2147452
Acrylonitrile	ND		20.0	1	10/08/2023 20:55	WG2147452
Benzene	ND		1.00	1	10/08/2023 20:55	WG2147452
Bromochloromethane	ND		1.00	1	10/08/2023 20:55	WG2147452
Bromodichloromethane	ND		1.00	1	10/08/2023 20:55	WG2147452
Bromoform	ND		1.00	1	10/08/2023 20:55	WG2147452
Bromomethane	ND		1.00	1	10/08/2023 20:55	WG2147452
Carbon disulfide	ND		1.00	1	10/08/2023 20:55	WG2147452
Carbon tetrachloride	ND		1.00	1	10/08/2023 20:55	WG2147452
Chlorobenzene	ND		1.00	1	10/08/2023 20:55	WG2147452
Chloroethane	ND		1.00	1	10/08/2023 20:55	WG2147452
Chloroform	ND		1.00	1	10/08/2023 20:55	WG2147452
Chloromethane	ND	J4	1.00	1	10/08/2023 20:55	WG2147452
Dibromochloromethane	ND		1.00	1	10/08/2023 20:55	WG2147452
Dibromomethane	ND		1.00	1	10/08/2023 20:55	WG2147452
Ethylbenzene	ND		1.00	1	10/08/2023 20:55	WG2147452
Iodomethane	ND		1.00	1	10/08/2023 20:55	WG2147452
Methylene Chloride	ND		1.07	1	10/08/2023 20:55	WG2147452
Styrene	ND		1.00	1	10/08/2023 20:55	WG2147452
Tetrachloroethene	ND		1.00	1	10/08/2023 20:55	WG2147452
Toluene	ND		1.00	1	10/08/2023 20:55	WG2147452
Trichloroethene	ND		1.00	1	10/08/2023 20:55	WG2147452
Trichlorofluoromethane	ND		1.00	1	10/08/2023 20:55	WG2147452
Vinyl acetate	ND		5.00	1	10/08/2023 20:55	WG2147452
Vinyl chloride	ND		1.00	1	10/08/2023 20:55	WG2147452
Xylenes, Total	ND		1.00	1	10/08/2023 20:55	WG2147452
cis-1,2-Dichloroethene	ND		1.00	1	10/08/2023 20:55	WG2147452
cis-1,3-Dichloropropene	ND		1.00	1	10/08/2023 20:55	WG2147452
trans-1,2-Dichloroethene	ND		1.00	1	10/08/2023 20:55	WG2147452
trans-1,3-Dichloropropene	ND		1.00	1	10/08/2023 20:55	WG2147452
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/08/2023 20:55	WG2147452
(S) 1,2-Dichloroethane-d4	*91.5*			*70.0-130*	*10/08/2023 20:55*	WG2147452
(S) 4-Bromofluorobenzene	*92.3*			*77.0-126*	*10/08/2023 20:55*	WG2147452
(S) Toluene-d8	*114*			*80.0-120*	*10/08/2023 20:55*	WG2147452

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

Analyte	Result	Units
pH (On Site)	7.21	su
Specific Conductance (on site)	579	umhos/cm
Temperature (on-site)	17.7	Deg. C
Turbidity (on-site)	4.9	NTU
Dissolved Oxygen (on-site)	8.6	mg/l
eH/ORP (On Site)	127.6	mV
Depth to water (DTW) (FROM TOC)	64.73	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	48.0		10.0	1	10/10/2023 12:55	WG2148179

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	4.52		3.00	1	10/13/2023 21:01	WG2149864
Sulfate	5.11		5.00	1	10/13/2023 21:01	WG2149864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.07		1.00	1	10/12/2023 17:38	WG2149939

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 23:16	WG2146860
Barium,Total Recoverable	0.0275		0.00500	1	10/13/2023 23:16	WG2146860
Iron, Total Recoverable	ND		0.0600	1	10/13/2023 23:16	WG2146860
Manganese,Total Recoverable	0.00468	J	0.00300	1	10/13/2023 23:16	WG2146860
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 23:16	WG2146860
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 23:16	WG2146860

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	10/11/2023 23:29	WG2146872
Beryllium, Total Recoverable	ND		0.00100	1	10/11/2023 23:29	WG2146872
Cadmium, Total Recoverable	ND		0.00100	1	10/11/2023 23:29	WG2146872
Cobalt,Total Recoverable	ND		0.00300	1	10/11/2023 23:29	WG2146872
Chromium, Total Recoverable	ND		0.00300	1	10/11/2023 23:29	WG2146872
Copper, Total Recoverable	ND		0.00400	1	10/11/2023 23:29	WG2146872
Nickel, Total Recoverable	0.00633		0.00400	1	10/11/2023 23:29	WG2146872
Antimony, Total Recoverable	ND		0.00200	1	10/11/2023 23:29	WG2146872
Thallium, Total Recoverable	ND		0.00100	1	10/11/2023 23:29	WG2146872
Vanadium,Total Recoverable	ND		0.00300	1	10/11/2023 23:29	WG2146872
Zinc, Total Recoverable	ND		0.00500	1	10/11/2023 23:29	WG2146872

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/08/2023 21:14	WG2147452
1,1,1-Trichloroethane	ND		1.00	1	10/08/2023 21:14	WG2147452
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/08/2023 21:14	WG2147452
1,1,2-Trichloroethane	ND		1.00	1	10/08/2023 21:14	WG2147452
1,1-Dichloroethane	ND		1.00	1	10/08/2023 21:14	WG2147452
1,1-Dichloroethene	ND		1.00	1	10/08/2023 21:14	WG2147452
1,2,3-Trichloropropane	ND		1.00	1	10/08/2023 21:14	WG2147452
1,2-Dibromo-3-Chloropropane	ND		2.00	1	10/08/2023 21:14	WG2147452
1,2-Dibromoethane	ND		1.00	1	10/08/2023 21:14	WG2147452
1,2-Dichlorobenzene	ND		1.00	1	10/08/2023 21:14	WG2147452
1,2-Dichloroethane	ND		1.00	1	10/08/2023 21:14	WG2147452
1,2-Dichloropropane	ND		1.00	1	10/08/2023 21:14	WG2147452
1,4-Dichlorobenzene	ND		1.00	1	10/08/2023 21:14	WG2147452
2-Butanone (MEK)	ND		5.00	1	10/08/2023 21:14	WG2147452
2-Hexanone	ND		5.00	1	10/08/2023 21:14	WG2147452
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/08/2023 21:14	WG2147452
Acetone	ND		10.0	1	10/08/2023 21:14	WG2147452
Acrylonitrile	ND		20.0	1	10/08/2023 21:14	WG2147452
Benzene	ND		1.00	1	10/08/2023 21:14	WG2147452
Bromochloromethane	ND		1.00	1	10/08/2023 21:14	WG2147452
Bromodichloromethane	ND		1.00	1	10/08/2023 21:14	WG2147452
Bromoform	ND		1.00	1	10/08/2023 21:14	WG2147452
Bromomethane	ND		1.00	1	10/08/2023 21:14	WG2147452
Carbon disulfide	ND		1.00	1	10/08/2023 21:14	WG2147452
Carbon tetrachloride	ND		1.00	1	10/08/2023 21:14	WG2147452
Chlorobenzene	ND		1.00	1	10/08/2023 21:14	WG2147452
Chloroethane	ND		1.00	1	10/08/2023 21:14	WG2147452
Chloroform	ND		1.00	1	10/08/2023 21:14	WG2147452
Chloromethane	ND	J4	1.00	1	10/08/2023 21:14	WG2147452
Dibromochloromethane	ND		1.00	1	10/08/2023 21:14	WG2147452
Dibromomethane	ND		1.00	1	10/08/2023 21:14	WG2147452
Ethylbenzene	ND		1.00	1	10/08/2023 21:14	WG2147452
Iodomethane	ND		1.00	1	10/08/2023 21:14	WG2147452
Methylene Chloride	ND		1.07	1	10/08/2023 21:14	WG2147452
Styrene	ND		1.00	1	10/08/2023 21:14	WG2147452
Tetrachloroethene	ND		1.00	1	10/08/2023 21:14	WG2147452
Toluene	ND		1.00	1	10/08/2023 21:14	WG2147452
Trichloroethene	ND		1.00	1	10/08/2023 21:14	WG2147452
Trichlorofluoromethane	ND		1.00	1	10/08/2023 21:14	WG2147452
Vinyl acetate	ND		5.00	1	10/08/2023 21:14	WG2147452
Vinyl chloride	ND		1.00	1	10/08/2023 21:14	WG2147452
Xylenes, Total	ND		1.00	1	10/08/2023 21:14	WG2147452
cis-1,2-Dichloroethene	ND		1.00	1	10/08/2023 21:14	WG2147452
cis-1,3-Dichloropropene	ND		1.00	1	10/08/2023 21:14	WG2147452
trans-1,2-Dichloroethene	ND		1.00	1	10/08/2023 21:14	WG2147452
trans-1,3-Dichloropropene	ND		1.00	1	10/08/2023 21:14	WG2147452
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/08/2023 21:14	WG2147452
(S) 1,2-Dichloroethane-d4	*92.3*			*70.0-130*	*10/08/2023 21:14*	WG2147452
(S) 4-Bromofluorobenzene	*94.2*			*77.0-126*	*10/08/2023 21:14*	WG2147452
(S) Toluene-d8	*114*			*80.0-120*	*10/08/2023 21:14*	WG2147452

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

Analyte	Result	Units
pH (On Site)	6.6	su
Specific Conductance (on site)	758	umhos/cm
Temperature (on-site)	15.7	Deg. C
Turbidity (on-site)	5.7	NTU
Dissolved Oxygen (on-site)	0.8	mg/l
eH/ORP (On Site)	-75.3	mV
Depth to water (DTW) (FROM TOC)	70.45	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	341		10.0	1	10/10/2023 13:19	WG2148182

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	9.86		3.00	1	10/13/2023 21:13	WG2149864
Sulfate	ND		5.00	1	10/13/2023 21:13	WG2149864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.55		1.00	1	10/12/2023 17:52	WG2149939

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 23:19	WG2146860
Barium,Total Recoverable	0.0434		0.00500	1	10/13/2023 23:19	WG2146860
Iron, Total Recoverable	9.15		0.0600	1	10/13/2023 23:19	WG2146860
Manganese,Total Recoverable	1.48		0.00300	1	10/13/2023 23:19	WG2146860
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 23:19	WG2146860
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 23:19	WG2146860

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	10/11/2023 23:33	WG2146872
Beryllium, Total Recoverable	ND		0.00100	1	10/11/2023 23:33	WG2146872
Cadmium, Total Recoverable	ND		0.00100	1	10/11/2023 23:33	WG2146872
Cobalt,Total Recoverable	0.0351		0.00300	1	10/11/2023 23:33	WG2146872
Chromium, Total Recoverable	ND		0.00300	1	10/11/2023 23:33	WG2146872
Copper, Total Recoverable	ND		0.00400	1	10/11/2023 23:33	WG2146872
Nickel, Total Recoverable	0.110		0.00400	1	10/11/2023 23:33	WG2146872
Antimony, Total Recoverable	ND		0.00200	1	10/11/2023 23:33	WG2146872
Thallium, Total Recoverable	ND		0.00100	1	10/11/2023 23:33	WG2146872
Vanadium,Total Recoverable	ND		0.00300	1	10/11/2023 23:33	WG2146872
Zinc, Total Recoverable	0.0469		0.00500	1	10/11/2023 23:33	WG2146872

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/08/2023 21:33	WG2147452
1,1,1-Trichloroethane	ND		1.00	1	10/08/2023 21:33	WG2147452
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/08/2023 21:33	WG2147452
1,1,2-Trichloroethane	ND		1.00	1	10/08/2023 21:33	WG2147452
1,1-Dichloroethane	ND		1.00	1	10/08/2023 21:33	WG2147452
1,1-Dichloroethene	ND		1.00	1	10/08/2023 21:33	WG2147452
1,2,3-Trichloropropane	ND		1.00	1	10/08/2023 21:33	WG2147452
1,2-Dibromo-3-Chloropropane	ND		2.00	1	10/08/2023 21:33	WG2147452
1,2-Dibromoethane	ND		1.00	1	10/08/2023 21:33	WG2147452
1,2-Dichlorobenzene	ND		1.00	1	10/08/2023 21:33	WG2147452
1,2-Dichloroethane	ND		1.00	1	10/08/2023 21:33	WG2147452
1,2-Dichloropropane	ND		1.00	1	10/08/2023 21:33	WG2147452
1,4-Dichlorobenzene	ND		1.00	1	10/08/2023 21:33	WG2147452
2-Butanone (MEK)	ND		5.00	1	10/08/2023 21:33	WG2147452
2-Hexanone	ND		5.00	1	10/08/2023 21:33	WG2147452
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/08/2023 21:33	WG2147452
Acetone	ND		10.0	1	10/08/2023 21:33	WG2147452
Acrylonitrile	ND		20.0	1	10/08/2023 21:33	WG2147452
Benzene	ND		1.00	1	10/08/2023 21:33	WG2147452
Bromochloromethane	ND		1.00	1	10/08/2023 21:33	WG2147452
Bromodichloromethane	ND		1.00	1	10/08/2023 21:33	WG2147452
Bromoform	ND		1.00	1	10/08/2023 21:33	WG2147452
Bromomethane	ND		1.00	1	10/08/2023 21:33	WG2147452
Carbon disulfide	ND		1.00	1	10/08/2023 21:33	WG2147452
Carbon tetrachloride	ND		1.00	1	10/08/2023 21:33	WG2147452
Chlorobenzene	ND		1.00	1	10/08/2023 21:33	WG2147452
Chloroethane	ND		1.00	1	10/08/2023 21:33	WG2147452
Chloroform	ND		1.00	1	10/08/2023 21:33	WG2147452
Chloromethane	ND	J4	1.00	1	10/08/2023 21:33	WG2147452
Dibromochloromethane	ND		1.00	1	10/08/2023 21:33	WG2147452
Dibromomethane	ND		1.00	1	10/08/2023 21:33	WG2147452
Ethylbenzene	ND		1.00	1	10/08/2023 21:33	WG2147452
Iodomethane	ND		1.00	1	10/08/2023 21:33	WG2147452
Methylene Chloride	ND		1.07	1	10/08/2023 21:33	WG2147452
Styrene	ND		1.00	1	10/08/2023 21:33	WG2147452
Tetrachloroethene	ND		1.00	1	10/08/2023 21:33	WG2147452
Toluene	ND		1.00	1	10/08/2023 21:33	WG2147452
Trichloroethene	ND		1.00	1	10/08/2023 21:33	WG2147452
Trichlorofluoromethane	ND		1.00	1	10/08/2023 21:33	WG2147452
Vinyl acetate	ND		5.00	1	10/08/2023 21:33	WG2147452
Vinyl chloride	ND		1.00	1	10/08/2023 21:33	WG2147452
Xylenes, Total	ND		1.00	1	10/08/2023 21:33	WG2147452
cis-1,2-Dichloroethene	ND		1.00	1	10/08/2023 21:33	WG2147452
cis-1,3-Dichloropropene	ND		1.00	1	10/08/2023 21:33	WG2147452
trans-1,2-Dichloroethene	ND		1.00	1	10/08/2023 21:33	WG2147452
trans-1,3-Dichloropropene	ND		1.00	1	10/08/2023 21:33	WG2147452
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/08/2023 21:33	WG2147452
(S) 1,2-Dichloroethane-d4	*98.7*			*70.0-130*	*10/08/2023 21:33*	WG2147452
(S) 4-Bromofluorobenzene	*93.9*			*77.0-126*	*10/08/2023 21:33*	WG2147452
(S) Toluene-d8	*114*			*80.0-120*	*10/08/2023 21:33*	WG2147452

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

Analyte	Result	Units
pH (On Site)	6.61	su
Specific Conductance (on site)	808	umhos/cm
Temperature (on-site)	16.8	Deg. C
Turbidity (on-site)	21.1	NTU
Dissolved Oxygen (on-site)	2.1	mg/l
eH/ORP (On Site)	10.8	mV
Depth to water (DTW) (FROM TOC)	67.71	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	359		10.0	1	10/10/2023 13:19	WG2148182

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	21.2		3.00	1	10/13/2023 21:51	WG2149864
Sulfate	6.08		5.00	1	10/13/2023 21:51	WG2149864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.65		1.00	1	10/12/2023 18:06	WG2149939

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 23:21	WG2146860
Barium,Total Recoverable	0.0441		0.00500	1	10/13/2023 23:21	WG2146860
Iron, Total Recoverable	4.04		0.0600	1	10/13/2023 23:21	WG2146860
Manganese,Total Recoverable	0.124		0.00300	1	10/13/2023 23:21	WG2146860
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 23:21	WG2146860
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 23:21	WG2146860

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	10/11/2023 23:36	WG2146872
Beryllium, Total Recoverable	ND		0.00100	1	10/11/2023 23:36	WG2146872
Cadmium, Total Recoverable	0.0200		0.00100	1	10/11/2023 23:36	WG2146872
Cobalt,Total Recoverable	0.0144		0.00300	1	10/11/2023 23:36	WG2146872
Chromium, Total Recoverable	ND		0.00300	1	10/11/2023 23:36	WG2146872
Copper, Total Recoverable	ND		0.00400	1	10/11/2023 23:36	WG2146872
Nickel, Total Recoverable	0.0228		0.00400	1	10/11/2023 23:36	WG2146872
Antimony, Total Recoverable	ND		0.00200	1	10/11/2023 23:36	WG2146872
Thallium, Total Recoverable	ND		0.00100	1	10/11/2023 23:36	WG2146872
Vanadium,Total Recoverable	ND		0.00300	1	10/11/2023 23:36	WG2146872
Zinc, Total Recoverable	0.0327		0.00500	1	10/11/2023 23:36	WG2146872

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/08/2023 21:52	WG2147452
1,1,1-Trichloroethane	ND		1.00	1	10/08/2023 21:52	WG2147452
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/08/2023 21:52	WG2147452
1,1,2-Trichloroethane	ND		1.00	1	10/08/2023 21:52	WG2147452
1,1-Dichloroethane	ND		1.00	1	10/08/2023 21:52	WG2147452
1,1-Dichloroethene	ND		1.00	1	10/08/2023 21:52	WG2147452
1,2,3-Trichloropropane	ND		1.00	1	10/08/2023 21:52	WG2147452
1,2-Dibromo-3-Chloropropane	ND		2.00	1	10/08/2023 21:52	WG2147452
1,2-Dibromoethane	ND		1.00	1	10/08/2023 21:52	WG2147452
1,2-Dichlorobenzene	ND		1.00	1	10/08/2023 21:52	WG2147452
1,2-Dichloroethane	ND		1.00	1	10/08/2023 21:52	WG2147452
1,2-Dichloropropane	ND		1.00	1	10/08/2023 21:52	WG2147452
1,4-Dichlorobenzene	ND		1.00	1	10/08/2023 21:52	WG2147452
2-Butanone (MEK)	ND		5.00	1	10/08/2023 21:52	WG2147452
2-Hexanone	ND		5.00	1	10/08/2023 21:52	WG2147452
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/08/2023 21:52	WG2147452
Acetone	ND		10.0	1	10/08/2023 21:52	WG2147452
Acrylonitrile	ND		20.0	1	10/08/2023 21:52	WG2147452
Benzene	ND		1.00	1	10/08/2023 21:52	WG2147452
Bromochloromethane	ND		1.00	1	10/08/2023 21:52	WG2147452
Bromodichloromethane	ND		1.00	1	10/08/2023 21:52	WG2147452
Bromoform	ND		1.00	1	10/08/2023 21:52	WG2147452
Bromomethane	ND		1.00	1	10/08/2023 21:52	WG2147452
Carbon disulfide	ND		1.00	1	10/08/2023 21:52	WG2147452
Carbon tetrachloride	ND		1.00	1	10/08/2023 21:52	WG2147452
Chlorobenzene	ND		1.00	1	10/08/2023 21:52	WG2147452
Chloroethane	ND		1.00	1	10/08/2023 21:52	WG2147452
Chloroform	ND		1.00	1	10/08/2023 21:52	WG2147452
Chloromethane	ND	J4	1.00	1	10/08/2023 21:52	WG2147452
Dibromochloromethane	ND		1.00	1	10/08/2023 21:52	WG2147452
Dibromomethane	ND		1.00	1	10/08/2023 21:52	WG2147452
Ethylbenzene	ND		1.00	1	10/08/2023 21:52	WG2147452
Iodomethane	ND		1.00	1	10/08/2023 21:52	WG2147452
Methylene Chloride	ND		1.07	1	10/08/2023 21:52	WG2147452
Styrene	ND		1.00	1	10/08/2023 21:52	WG2147452
Tetrachloroethene	ND		1.00	1	10/08/2023 21:52	WG2147452
Toluene	ND		1.00	1	10/08/2023 21:52	WG2147452
Trichloroethene	ND		1.00	1	10/08/2023 21:52	WG2147452
Trichlorofluoromethane	ND		1.00	1	10/08/2023 21:52	WG2147452
Vinyl acetate	ND		5.00	1	10/08/2023 21:52	WG2147452
Vinyl chloride	ND		1.00	1	10/08/2023 21:52	WG2147452
Xylenes, Total	ND		1.00	1	10/08/2023 21:52	WG2147452
cis-1,2-Dichloroethene	ND		1.00	1	10/08/2023 21:52	WG2147452
cis-1,3-Dichloropropene	ND		1.00	1	10/08/2023 21:52	WG2147452
trans-1,2-Dichloroethene	ND		1.00	1	10/08/2023 21:52	WG2147452
trans-1,3-Dichloropropene	ND		1.00	1	10/08/2023 21:52	WG2147452
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/08/2023 21:52	WG2147452
(S) 1,2-Dichloroethane-d4	*91.9*			*70.0-130*	*10/08/2023 21:52*	WG2147452
(S) 4-Bromofluorobenzene	*91.6*			*77.0-126*	*10/08/2023 21:52*	WG2147452
(S) Toluene-d8	*113*			*80.0-120*	*10/08/2023 21:52*	WG2147452

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

Analyte	Result	Units
pH (On Site)	6.59	su
Specific Conductance (on site)	806	umhos/cm
Temperature (on-site)	16.7	Deg. C
Turbidity (on-site)	10.4	NTU
Dissolved Oxygen (on-site)	1.6	mg/l
eH/ORP (On Site)	49.3	mV
Depth to water (DTW) (FROM TOC)	71.85	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	389	Q	10.0	1	10/13/2023 00:00	WG2150228

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	13.7		3.00	1	10/13/2023 22:04	WG2149864
Sulfate	ND		5.00	1	10/13/2023 22:04	WG2149864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.69		1.00	1	10/12/2023 18:20	WG2149939

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 23:24	WG2146860
Barium,Total Recoverable	0.0458		0.00500	1	10/13/2023 23:24	WG2146860
Iron, Total Recoverable	1.87		0.0600	1	10/13/2023 23:24	WG2146860
Manganese,Total Recoverable	0.0325		0.00300	1	10/13/2023 23:24	WG2146860
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 23:24	WG2146860
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 23:24	WG2146860

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	10/11/2023 23:39	WG2146872
Beryllium, Total Recoverable	ND		0.00100	1	10/11/2023 23:39	WG2146872
Cadmium, Total Recoverable	ND		0.00100	1	10/11/2023 23:39	WG2146872
Cobalt,Total Recoverable	ND		0.00300	1	10/11/2023 23:39	WG2146872
Chromium, Total Recoverable	ND		0.00300	1	10/11/2023 23:39	WG2146872
Copper, Total Recoverable	ND		0.00400	1	10/11/2023 23:39	WG2146872
Nickel, Total Recoverable	0.0235		0.00400	1	10/11/2023 23:39	WG2146872
Antimony, Total Recoverable	ND		0.00200	1	10/11/2023 23:39	WG2146872
Thallium, Total Recoverable	ND		0.00100	1	10/11/2023 23:39	WG2146872
Vanadium,Total Recoverable	ND		0.00300	1	10/11/2023 23:39	WG2146872
Zinc, Total Recoverable	0.0161	J	0.00500	1	10/11/2023 23:39	WG2146872

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/10/2023 01:58	WG2148115
1,1,1-Trichloroethane	ND		1.00	1	10/10/2023 01:58	WG2148115
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/10/2023 01:58	WG2148115
1,1,2-Trichloroethane	ND		1.00	1	10/10/2023 01:58	WG2148115
1,1-Dichloroethane	ND		1.00	1	10/10/2023 01:58	WG2148115
1,1-Dichloroethene	ND		1.00	1	10/10/2023 01:58	WG2148115
1,2,3-Trichloropropane	ND		1.00	1	10/10/2023 01:58	WG2148115
1,2-Dibromo-3-Chloropropane	ND	J3	2.00	1	10/10/2023 01:58	WG2148115
1,2-Dibromoethane	ND		1.00	1	10/10/2023 01:58	WG2148115
1,2-Dichlorobenzene	ND		1.00	1	10/10/2023 01:58	WG2148115
1,2-Dichloroethane	ND		1.00	1	10/10/2023 01:58	WG2148115
1,2-Dichloropropane	ND		1.00	1	10/10/2023 01:58	WG2148115
1,4-Dichlorobenzene	ND		1.00	1	10/10/2023 01:58	WG2148115
2-Butanone (MEK)	ND	J3	5.00	1	10/10/2023 01:58	WG2148115
2-Hexanone	ND		5.00	1	10/10/2023 01:58	WG2148115
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/10/2023 01:58	WG2148115
Acetone	ND		10.0	1	10/10/2023 01:58	WG2148115
Acrylonitrile	ND		20.0	1	10/10/2023 01:58	WG2148115
Benzene	ND		1.00	1	10/10/2023 01:58	WG2148115
Bromochloromethane	ND		1.00	1	10/10/2023 01:58	WG2148115
Bromodichloromethane	ND		1.00	1	10/10/2023 01:58	WG2148115
Bromoform	ND		1.00	1	10/10/2023 01:58	WG2148115
Bromomethane	ND		1.00	1	10/10/2023 01:58	WG2148115
Carbon disulfide	ND		1.00	1	10/10/2023 01:58	WG2148115
Carbon tetrachloride	ND		1.00	1	10/10/2023 01:58	WG2148115
Chlorobenzene	ND		1.00	1	10/10/2023 01:58	WG2148115
Chloroethane	ND		1.00	1	10/10/2023 01:58	WG2148115
Chloroform	ND		1.00	1	10/10/2023 01:58	WG2148115
Chloromethane	ND		1.00	1	10/10/2023 01:58	WG2148115
Dibromochloromethane	ND		1.00	1	10/10/2023 01:58	WG2148115
Dibromomethane	ND		1.00	1	10/10/2023 01:58	WG2148115
Ethylbenzene	ND		1.00	1	10/10/2023 01:58	WG2148115
Iodomethane	ND		1.00	1	10/10/2023 01:58	WG2148115
Methylene Chloride	ND		1.07	1	10/10/2023 01:58	WG2148115
Styrene	ND		1.00	1	10/10/2023 01:58	WG2148115
Tetrachloroethene	ND		1.00	1	10/10/2023 01:58	WG2148115
Toluene	ND		1.00	1	10/10/2023 01:58	WG2148115
Trichloroethene	ND		1.00	1	10/10/2023 01:58	WG2148115
Trichlorofluoromethane	ND		1.00	1	10/10/2023 01:58	WG2148115
Vinyl acetate	ND		5.00	1	10/10/2023 01:58	WG2148115
Vinyl chloride	ND		1.00	1	10/10/2023 01:58	WG2148115
Xylenes, Total	ND		1.00	1	10/10/2023 01:58	WG2148115
cis-1,2-Dichloroethene	ND		1.00	1	10/10/2023 01:58	WG2148115
cis-1,3-Dichloropropene	ND		1.00	1	10/10/2023 01:58	WG2148115
trans-1,2-Dichloroethene	ND		1.00	1	10/10/2023 01:58	WG2148115
trans-1,3-Dichloropropene	ND		1.00	1	10/10/2023 01:58	WG2148115
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/10/2023 01:58	WG2148115
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*	*10/10/2023 01:58*	WG2148115
(S) 4-Bromofluorobenzene	*107*			*77.0-126*	*10/10/2023 01:58*	WG2148115
(S) Toluene-d8	*97.2*			*80.0-120*	*10/10/2023 01:58*	WG2148115

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

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

Analyte	Result	Units
pH (On Site)	6.68	su
Specific Conductance (on site)	776	umhos/cm
Temperature (on-site)	16.3	Deg. C
Turbidity (on-site)	2.2	NTU
Dissolved Oxygen (on-site)	0.5	mg/l
eH/ORP (On Site)	137	mV
Depth to water (DTW) (FROM TOC)	32.79	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	351		10.0	1	10/10/2023 12:55	WG2148179

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	29.9		3.00	1	10/13/2023 23:50	WG2149878
Sulfate	21.6		5.00	1	10/13/2023 23:50	WG2149878

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	2.02		1.00	1	10/12/2023 19:10	WG2149939

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 23:42	WG2146860
Barium,Total Recoverable	0.139		0.00500	1	10/13/2023 23:42	WG2146860
Iron, Total Recoverable	ND		0.0600	1	10/13/2023 23:42	WG2146860
Manganese,Total Recoverable	2.41		0.00300	1	10/13/2023 23:42	WG2146860
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 23:42	WG2146860
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 23:42	WG2146860

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	10/11/2023 23:42	WG2146872
Beryllium, Total Recoverable	ND		0.00100	1	10/11/2023 23:42	WG2146872
Cadmium, Total Recoverable	0.00453		0.00100	1	10/11/2023 23:42	WG2146872
Cobalt,Total Recoverable	ND		0.00300	1	10/11/2023 23:42	WG2146872
Chromium, Total Recoverable	ND		0.00300	1	10/11/2023 23:42	WG2146872
Copper, Total Recoverable	ND		0.00400	1	10/11/2023 23:42	WG2146872
Nickel, Total Recoverable	0.0164		0.00400	1	10/11/2023 23:42	WG2146872
Antimony, Total Recoverable	ND		0.00200	1	10/11/2023 23:42	WG2146872
Thallium, Total Recoverable	ND		0.00100	1	10/11/2023 23:42	WG2146872
Vanadium,Total Recoverable	ND		0.00300	1	10/11/2023 23:42	WG2146872
Zinc, Total Recoverable	0.0188	J	0.00500	1	10/11/2023 23:42	WG2146872

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/10/2023 02:17	WG2148115
1,1,1-Trichloroethane	ND		1.00	1	10/10/2023 02:17	WG2148115
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/10/2023 02:17	WG2148115
1,1,2-Trichloroethane	ND		1.00	1	10/10/2023 02:17	WG2148115
1,1-Dichloroethane	ND		1.00	1	10/10/2023 02:17	WG2148115
1,1-Dichloroethene	ND		1.00	1	10/10/2023 02:17	WG2148115
1,2,3-Trichloropropane	ND		1.00	1	10/10/2023 02:17	WG2148115
1,2-Dibromo-3-Chloropropane	ND	J3	2.00	1	10/10/2023 02:17	WG2148115
1,2-Dibromoethane	ND		1.00	1	10/10/2023 02:17	WG2148115
1,2-Dichlorobenzene	ND		1.00	1	10/10/2023 02:17	WG2148115
1,2-Dichloroethane	ND		1.00	1	10/10/2023 02:17	WG2148115
1,2-Dichloropropane	ND		1.00	1	10/10/2023 02:17	WG2148115
1,4-Dichlorobenzene	ND		1.00	1	10/10/2023 02:17	WG2148115
2-Butanone (MEK)	ND	J3	5.00	1	10/10/2023 02:17	WG2148115
2-Hexanone	ND		5.00	1	10/10/2023 02:17	WG2148115
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/10/2023 02:17	WG2148115
Acetone	ND		10.0	1	10/10/2023 02:17	WG2148115
Acrylonitrile	ND		20.0	1	10/10/2023 02:17	WG2148115
Benzene	ND		1.00	1	10/10/2023 02:17	WG2148115
Bromochloromethane	ND		1.00	1	10/10/2023 02:17	WG2148115
Bromodichloromethane	ND		1.00	1	10/10/2023 02:17	WG2148115
Bromoform	ND		1.00	1	10/10/2023 02:17	WG2148115
Bromomethane	ND		1.00	1	10/10/2023 02:17	WG2148115
Carbon disulfide	ND		1.00	1	10/10/2023 02:17	WG2148115
Carbon tetrachloride	ND		1.00	1	10/10/2023 02:17	WG2148115
Chlorobenzene	ND		1.00	1	10/10/2023 02:17	WG2148115
Chloroethane	ND		1.00	1	10/10/2023 02:17	WG2148115
Chloroform	ND		1.00	1	10/10/2023 02:17	WG2148115
Chloromethane	ND		1.00	1	10/10/2023 02:17	WG2148115
Dibromochloromethane	ND		1.00	1	10/10/2023 02:17	WG2148115
Dibromomethane	ND		1.00	1	10/10/2023 02:17	WG2148115
Ethylbenzene	ND		1.00	1	10/10/2023 02:17	WG2148115
Iodomethane	ND		1.00	1	10/10/2023 02:17	WG2148115
Methylene Chloride	ND		1.07	1	10/10/2023 02:17	WG2148115
Styrene	ND		1.00	1	10/10/2023 02:17	WG2148115
Tetrachloroethene	ND		1.00	1	10/10/2023 02:17	WG2148115
Toluene	ND		1.00	1	10/10/2023 02:17	WG2148115
Trichloroethene	ND		1.00	1	10/10/2023 02:17	WG2148115
Trichlorofluoromethane	ND		1.00	1	10/10/2023 02:17	WG2148115
Vinyl acetate	ND		5.00	1	10/10/2023 02:17	WG2148115
Vinyl chloride	ND		1.00	1	10/10/2023 02:17	WG2148115
Xylenes, Total	ND		1.00	1	10/10/2023 02:17	WG2148115
cis-1,2-Dichloroethene	ND		1.00	1	10/10/2023 02:17	WG2148115
cis-1,3-Dichloropropene	ND		1.00	1	10/10/2023 02:17	WG2148115
trans-1,2-Dichloroethene	ND		1.00	1	10/10/2023 02:17	WG2148115
trans-1,3-Dichloropropene	ND		1.00	1	10/10/2023 02:17	WG2148115
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/10/2023 02:17	WG2148115
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*	*10/10/2023 02:17*	WG2148115
(S) 4-Bromofluorobenzene	*107*			*77.0-126*	*10/10/2023 02:17*	WG2148115
(S) Toluene-d8	*96.8*			*80.0-120*	*10/10/2023 02:17*	WG2148115

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

Analyte	Result	Units
pH (On Site)	6.81	su
Specific Conductance (on site)	262	umhos/cm
Temperature (on-site)	17.1	Deg. C
Turbidity (on-site)	8.1	NTU
Dissolved Oxygen (on-site)	8.3	mg/l
eH/ORP (On Site)	97.5	mV
Depth to water (DTW) (FROM TOC)	101.85	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	116		10.0	1	10/09/2023 11:03	WG2147641

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	3.66		3.00	1	10/14/2023 00:07	WG2149878
Sulfate	ND		5.00	1	10/14/2023 00:07	WG2149878

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	10/12/2023 20:16	WG2149939

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 23:45	WG2146860
Barium,Total Recoverable	0.0190		0.00500	1	10/13/2023 23:45	WG2146860
Iron, Total Recoverable	ND		0.0600	1	10/13/2023 23:45	WG2146860
Manganese,Total Recoverable	0.0154		0.00300	1	10/13/2023 23:45	WG2146860
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 23:45	WG2146860
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 23:45	WG2146860

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	10/11/2023 23:46	WG2146872
Beryllium, Total Recoverable	ND		0.00100	1	10/11/2023 23:46	WG2146872
Cadmium, Total Recoverable	ND		0.00100	1	10/11/2023 23:46	WG2146872
Cobalt,Total Recoverable	ND		0.00300	1	10/11/2023 23:46	WG2146872
Chromium, Total Recoverable	ND		0.00300	1	10/11/2023 23:46	WG2146872
Copper, Total Recoverable	ND		0.00400	1	10/11/2023 23:46	WG2146872
Nickel, Total Recoverable	ND		0.00400	1	10/11/2023 23:46	WG2146872
Antimony, Total Recoverable	ND		0.00200	1	10/11/2023 23:46	WG2146872
Thallium, Total Recoverable	ND		0.00100	1	10/11/2023 23:46	WG2146872
Vanadium,Total Recoverable	ND		0.00300	1	10/11/2023 23:46	WG2146872
Zinc, Total Recoverable	ND		0.00500	1	10/11/2023 23:46	WG2146872

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/10/2023 02:36	WG2148115
1,1,1-Trichloroethane	ND		1.00	1	10/10/2023 02:36	WG2148115
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/10/2023 02:36	WG2148115
1,1,2-Trichloroethane	ND		1.00	1	10/10/2023 02:36	WG2148115
1,1-Dichloroethane	ND		1.00	1	10/10/2023 02:36	WG2148115
1,1-Dichloroethene	ND		1.00	1	10/10/2023 02:36	WG2148115
1,2,3-Trichloropropane	ND		1.00	1	10/10/2023 02:36	WG2148115
1,2-Dibromo-3-Chloropropane	ND	J3	2.00	1	10/10/2023 02:36	WG2148115
1,2-Dibromoethane	ND		1.00	1	10/10/2023 02:36	WG2148115
1,2-Dichlorobenzene	ND		1.00	1	10/10/2023 02:36	WG2148115
1,2-Dichloroethane	ND		1.00	1	10/10/2023 02:36	WG2148115
1,2-Dichloropropane	ND		1.00	1	10/10/2023 02:36	WG2148115
1,4-Dichlorobenzene	ND		1.00	1	10/10/2023 02:36	WG2148115
2-Butanone (MEK)	ND	J3	5.00	1	10/10/2023 02:36	WG2148115
2-Hexanone	ND		5.00	1	10/10/2023 02:36	WG2148115
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/10/2023 02:36	WG2148115
Acetone	ND		10.0	1	10/10/2023 02:36	WG2148115
Acrylonitrile	ND		20.0	1	10/10/2023 02:36	WG2148115
Benzene	ND		1.00	1	10/10/2023 02:36	WG2148115
Bromochloromethane	ND		1.00	1	10/10/2023 02:36	WG2148115
Bromodichloromethane	ND		1.00	1	10/10/2023 02:36	WG2148115
Bromoform	ND		1.00	1	10/10/2023 02:36	WG2148115
Bromomethane	ND		1.00	1	10/10/2023 02:36	WG2148115
Carbon disulfide	ND		1.00	1	10/10/2023 02:36	WG2148115
Carbon tetrachloride	ND		1.00	1	10/10/2023 02:36	WG2148115
Chlorobenzene	ND		1.00	1	10/10/2023 02:36	WG2148115
Chloroethane	ND		1.00	1	10/10/2023 02:36	WG2148115
Chloroform	ND		1.00	1	10/10/2023 02:36	WG2148115
Chloromethane	ND		1.00	1	10/10/2023 02:36	WG2148115
Dibromochloromethane	ND		1.00	1	10/10/2023 02:36	WG2148115
Dibromomethane	ND		1.00	1	10/10/2023 02:36	WG2148115
Ethylbenzene	ND		1.00	1	10/10/2023 02:36	WG2148115
Iodomethane	ND		1.00	1	10/10/2023 02:36	WG2148115
Methylene Chloride	ND		1.07	1	10/10/2023 02:36	WG2148115
Styrene	ND		1.00	1	10/10/2023 02:36	WG2148115
Tetrachloroethene	ND		1.00	1	10/10/2023 02:36	WG2148115
Toluene	ND		1.00	1	10/10/2023 02:36	WG2148115
Trichloroethene	ND		1.00	1	10/10/2023 02:36	WG2148115
Trichlorofluoromethane	ND		1.00	1	10/10/2023 02:36	WG2148115
Vinyl acetate	ND		5.00	1	10/10/2023 02:36	WG2148115
Vinyl chloride	ND		1.00	1	10/10/2023 02:36	WG2148115
Xylenes, Total	ND		1.00	1	10/10/2023 02:36	WG2148115
cis-1,2-Dichloroethene	ND		1.00	1	10/10/2023 02:36	WG2148115
cis-1,3-Dichloropropene	ND		1.00	1	10/10/2023 02:36	WG2148115
trans-1,2-Dichloroethene	ND		1.00	1	10/10/2023 02:36	WG2148115
trans-1,3-Dichloropropene	ND		1.00	1	10/10/2023 02:36	WG2148115
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/10/2023 02:36	WG2148115
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*	*10/10/2023 02:36*	WG2148115
(S) 4-Bromofluorobenzene	*107*			*77.0-126*	*10/10/2023 02:36*	WG2148115
(S) Toluene-d8	*95.6*			*80.0-120*	*10/10/2023 02:36*	WG2148115

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

Analyte	Result	Units
pH (On Site)	6.7	su
Specific Conductance (on site)	724	umhos/cm
Temperature (on-site)	15.7	Deg. C
Turbidity (on-site)	1.9	NTU
Dissolved Oxygen (on-site)	1.4	mg/l
eH/ORP (On Site)	145.8	mV
Depth to water (DTW) (FROM TOC)	17.41	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	353		10.0	1	10/10/2023 12:55	WG2148179

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	14.1		3.00	1	10/14/2023 00:24	WG2149878
Sulfate	5.35		5.00	1	10/14/2023 00:24	WG2149878

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	10/12/2023 20:29	WG2149939

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 23:47	WG2146860
Barium,Total Recoverable	0.0678		0.00500	1	10/13/2023 23:47	WG2146860
Iron, Total Recoverable	ND		0.0600	1	10/13/2023 23:47	WG2146860
Manganese,Total Recoverable	ND		0.00300	1	10/13/2023 23:47	WG2146860
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 23:47	WG2146860
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 23:47	WG2146860

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	10/11/2023 23:49	WG2146872
Beryllium, Total Recoverable	ND		0.00100	1	10/11/2023 23:49	WG2146872
Cadmium, Total Recoverable	ND		0.00100	1	10/11/2023 23:49	WG2146872
Cobalt,Total Recoverable	ND		0.00300	1	10/11/2023 23:49	WG2146872
Chromium, Total Recoverable	ND		0.00300	1	10/11/2023 23:49	WG2146872
Copper, Total Recoverable	ND		0.00400	1	10/11/2023 23:49	WG2146872
Nickel, Total Recoverable	ND		0.00400	1	10/11/2023 23:49	WG2146872
Antimony, Total Recoverable	ND		0.00200	1	10/11/2023 23:49	WG2146872
Thallium, Total Recoverable	ND		0.00100	1	10/11/2023 23:49	WG2146872
Vanadium,Total Recoverable	ND		0.00300	1	10/11/2023 23:49	WG2146872
Zinc, Total Recoverable	0.0184	J	0.00500	1	10/11/2023 23:49	WG2146872

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/10/2023 02:55	WG2148115
1,1,1-Trichloroethane	ND		1.00	1	10/10/2023 02:55	WG2148115
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/10/2023 02:55	WG2148115
1,1,2-Trichloroethane	ND		1.00	1	10/10/2023 02:55	WG2148115
1,1-Dichloroethane	ND		1.00	1	10/10/2023 02:55	WG2148115
1,1-Dichloroethene	ND		1.00	1	10/10/2023 02:55	WG2148115
1,2,3-Trichloropropane	ND		1.00	1	10/10/2023 02:55	WG2148115
1,2-Dibromo-3-Chloropropane	ND	J3	2.00	1	10/10/2023 02:55	WG2148115
1,2-Dibromoethane	ND		1.00	1	10/10/2023 02:55	WG2148115
1,2-Dichlorobenzene	ND		1.00	1	10/10/2023 02:55	WG2148115
1,2-Dichloroethane	ND		1.00	1	10/10/2023 02:55	WG2148115
1,2-Dichloropropane	ND		1.00	1	10/10/2023 02:55	WG2148115
1,4-Dichlorobenzene	ND		1.00	1	10/10/2023 02:55	WG2148115
2-Butanone (MEK)	ND	J3	5.00	1	10/10/2023 02:55	WG2148115
2-Hexanone	ND		5.00	1	10/10/2023 02:55	WG2148115
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/10/2023 02:55	WG2148115
Acetone	ND		10.0	1	10/10/2023 02:55	WG2148115
Acrylonitrile	ND		20.0	1	10/10/2023 02:55	WG2148115
Benzene	ND		1.00	1	10/10/2023 02:55	WG2148115
Bromochloromethane	ND		1.00	1	10/10/2023 02:55	WG2148115
Bromodichloromethane	ND		1.00	1	10/10/2023 02:55	WG2148115
Bromoform	ND		1.00	1	10/10/2023 02:55	WG2148115
Bromomethane	ND		1.00	1	10/10/2023 02:55	WG2148115
Carbon disulfide	ND		1.00	1	10/10/2023 02:55	WG2148115
Carbon tetrachloride	ND		1.00	1	10/10/2023 02:55	WG2148115
Chlorobenzene	ND		1.00	1	10/10/2023 02:55	WG2148115
Chloroethane	ND		1.00	1	10/10/2023 02:55	WG2148115
Chloroform	ND		1.00	1	10/10/2023 02:55	WG2148115
Chloromethane	ND		1.00	1	10/10/2023 02:55	WG2148115
Dibromochloromethane	ND		1.00	1	10/10/2023 02:55	WG2148115
Dibromomethane	ND		1.00	1	10/10/2023 02:55	WG2148115
Ethylbenzene	ND		1.00	1	10/10/2023 02:55	WG2148115
Iodomethane	ND		1.00	1	10/10/2023 02:55	WG2148115
Methylene Chloride	ND		1.07	1	10/10/2023 02:55	WG2148115
Styrene	ND		1.00	1	10/10/2023 02:55	WG2148115
Tetrachloroethene	ND		1.00	1	10/10/2023 02:55	WG2148115
Toluene	ND		1.00	1	10/10/2023 02:55	WG2148115
Trichloroethene	ND		1.00	1	10/10/2023 02:55	WG2148115
Trichlorofluoromethane	ND		1.00	1	10/10/2023 02:55	WG2148115
Vinyl acetate	ND		5.00	1	10/10/2023 02:55	WG2148115
Vinyl chloride	ND		1.00	1	10/10/2023 02:55	WG2148115
Xylenes, Total	ND		1.00	1	10/10/2023 02:55	WG2148115
cis-1,2-Dichloroethene	ND		1.00	1	10/10/2023 02:55	WG2148115
cis-1,3-Dichloropropene	ND		1.00	1	10/10/2023 02:55	WG2148115
trans-1,2-Dichloroethene	ND		1.00	1	10/10/2023 02:55	WG2148115
trans-1,3-Dichloropropene	ND		1.00	1	10/10/2023 02:55	WG2148115
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/10/2023 02:55	WG2148115
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*	*10/10/2023 02:55*	WG2148115
(S) 4-Bromofluorobenzene	*106*			*77.0-126*	*10/10/2023 02:55*	WG2148115
(S) Toluene-d8	*95.1*			*80.0-120*	*10/10/2023 02:55*	WG2148115

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

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

Analyte	Result	Units
pH (On Site)	6.51	su
Specific Conductance (on site)	544	umhos/cm
Temperature (on-site)	16.4	Deg. C
Turbidity (on-site)	6.1	NTU
Dissolved Oxygen (on-site)	3.4	mg/l
eH/ORP (On Site)	129.1	mV
Depth to water (DTW) (FROM TOC)	19.7	ft

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	304		10.0	1	10/10/2023 12:55	WG2148179

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	8.66		3.00	1	10/14/2023 02:05	WG2149878
Sulfate	ND		5.00	1	10/14/2023 02:05	WG2149878

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	10/12/2023 20:42	WG2149939

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 23:50	WG2146860
Barium,Total Recoverable	0.0820		0.00500	1	10/13/2023 23:50	WG2146860
Iron, Total Recoverable	ND		0.0600	1	10/13/2023 23:50	WG2146860
Manganese,Total Recoverable	0.00314	J	0.00300	1	10/13/2023 23:50	WG2146860
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 23:50	WG2146860
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 23:50	WG2146860

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	10/12/2023 00:10	WG2146872
Beryllium, Total Recoverable	ND		0.00100	1	10/12/2023 00:10	WG2146872
Cadmium, Total Recoverable	ND		0.00100	1	10/12/2023 00:10	WG2146872
Cobalt,Total Recoverable	ND		0.00300	1	10/12/2023 00:10	WG2146872
Chromium, Total Recoverable	ND		0.00300	1	10/12/2023 00:10	WG2146872
Copper, Total Recoverable	ND		0.00400	1	10/12/2023 00:10	WG2146872
Nickel, Total Recoverable	ND		0.00400	1	10/12/2023 00:10	WG2146872
Antimony, Total Recoverable	ND		0.00200	1	10/12/2023 00:10	WG2146872
Thallium, Total Recoverable	ND		0.00100	1	10/12/2023 00:10	WG2146872
Vanadium,Total Recoverable	ND		0.00300	1	10/12/2023 00:10	WG2146872
Zinc, Total Recoverable	0.0162	J	0.00500	1	10/12/2023 00:10	WG2146872

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/10/2023 03:14	WG2148115
1,1,1-Trichloroethane	ND		1.00	1	10/10/2023 03:14	WG2148115
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/10/2023 03:14	WG2148115
1,1,2-Trichloroethane	ND		1.00	1	10/10/2023 03:14	WG2148115
1,1-Dichloroethane	ND		1.00	1	10/10/2023 03:14	WG2148115
1,1-Dichloroethene	ND		1.00	1	10/10/2023 03:14	WG2148115
1,2,3-Trichloropropane	ND		1.00	1	10/10/2023 03:14	WG2148115
1,2-Dibromo-3-Chloropropane	ND	J3	2.00	1	10/10/2023 03:14	WG2148115
1,2-Dibromoethane	ND		1.00	1	10/10/2023 03:14	WG2148115
1,2-Dichlorobenzene	ND		1.00	1	10/10/2023 03:14	WG2148115
1,2-Dichloroethane	ND		1.00	1	10/10/2023 03:14	WG2148115
1,2-Dichloropropane	ND		1.00	1	10/10/2023 03:14	WG2148115
1,4-Dichlorobenzene	ND		1.00	1	10/10/2023 03:14	WG2148115
2-Butanone (MEK)	ND	J3	5.00	1	10/10/2023 03:14	WG2148115
2-Hexanone	ND		5.00	1	10/10/2023 03:14	WG2148115
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/10/2023 03:14	WG2148115
Acetone	ND		10.0	1	10/10/2023 03:14	WG2148115
Acrylonitrile	ND		20.0	1	10/10/2023 03:14	WG2148115
Benzene	ND		1.00	1	10/10/2023 03:14	WG2148115
Bromochloromethane	ND		1.00	1	10/10/2023 03:14	WG2148115
Bromodichloromethane	ND		1.00	1	10/10/2023 03:14	WG2148115
Bromoform	ND		1.00	1	10/10/2023 03:14	WG2148115
Bromomethane	ND		1.00	1	10/10/2023 03:14	WG2148115
Carbon disulfide	ND		1.00	1	10/10/2023 03:14	WG2148115
Carbon tetrachloride	ND		1.00	1	10/10/2023 03:14	WG2148115
Chlorobenzene	ND		1.00	1	10/10/2023 03:14	WG2148115
Chloroethane	ND		1.00	1	10/10/2023 03:14	WG2148115
Chloroform	ND		1.00	1	10/10/2023 03:14	WG2148115
Chloromethane	ND		1.00	1	10/10/2023 03:14	WG2148115
Dibromochloromethane	ND		1.00	1	10/10/2023 03:14	WG2148115
Dibromomethane	ND		1.00	1	10/10/2023 03:14	WG2148115
Ethylbenzene	ND		1.00	1	10/10/2023 03:14	WG2148115
Iodomethane	ND		1.00	1	10/10/2023 03:14	WG2148115
Methylene Chloride	ND		1.07	1	10/10/2023 03:14	WG2148115
Styrene	ND		1.00	1	10/10/2023 03:14	WG2148115
Tetrachloroethene	ND		1.00	1	10/10/2023 03:14	WG2148115
Toluene	ND		1.00	1	10/10/2023 03:14	WG2148115
Trichloroethene	ND		1.00	1	10/10/2023 03:14	WG2148115
Trichlorofluoromethane	ND		1.00	1	10/10/2023 03:14	WG2148115
Vinyl acetate	ND		5.00	1	10/10/2023 03:14	WG2148115
Vinyl chloride	ND		1.00	1	10/10/2023 03:14	WG2148115
Xylenes, Total	ND		1.00	1	10/10/2023 03:14	WG2148115
cis-1,2-Dichloroethene	ND		1.00	1	10/10/2023 03:14	WG2148115
cis-1,3-Dichloropropene	ND		1.00	1	10/10/2023 03:14	WG2148115
trans-1,2-Dichloroethene	ND		1.00	1	10/10/2023 03:14	WG2148115
trans-1,3-Dichloropropene	ND		1.00	1	10/10/2023 03:14	WG2148115
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/10/2023 03:14	WG2148115
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*	*10/10/2023 03:14*	WG2148115
(S) 4-Bromofluorobenzene	*106*			*77.0-126*	*10/10/2023 03:14*	WG2148115
(S) Toluene-d8	*95.9*			*80.0-120*	*10/10/2023 03:14*	WG2148115

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	ND		10.0	1	10/09/2023 11:03	WG2147641

Wet Chemistry by Method 350.1

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	10/10/2023 13:26	WG2148269

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Chloride	ND		3.00	1	10/14/2023 02:22	WG2149878
Sulfate	ND		5.00	1	10/14/2023 02:22	WG2149878

Wet Chemistry by Method 9060A

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
TOC	ND		1.00	1	10/12/2023 20:55	WG2149939

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	10/13/2023 23:53	WG2146860
Barium,Total Recoverable	ND		0.00500	1	10/13/2023 23:53	WG2146860
Iron, Total Recoverable	ND		0.0600	1	10/13/2023 23:53	WG2146860
Manganese,Total Recoverable	ND		0.00300	1	10/13/2023 23:53	WG2146860
Lead, Total Recoverable	ND		0.00500	1	10/13/2023 23:53	WG2146860
Selenium, Total Recoverable	ND		0.0100	1	10/13/2023 23:53	WG2146860

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	ND		0.00500	1	10/12/2023 00:13	WG2146872
Beryllium, Total Recoverable	ND		0.00100	1	10/12/2023 00:13	WG2146872
Cadmium, Total Recoverable	ND		0.00100	1	10/12/2023 00:13	WG2146872
Cobalt,Total Recoverable	ND		0.00300	1	10/12/2023 00:13	WG2146872
Chromium, Total Recoverable	ND		0.00300	1	10/12/2023 00:13	WG2146872
Copper, Total Recoverable	ND		0.00400	1	10/12/2023 00:13	WG2146872
Nickel, Total Recoverable	ND		0.00400	1	10/12/2023 00:13	WG2146872
Antimony, Total Recoverable	ND		0.00200	1	10/12/2023 00:13	WG2146872
Thallium, Total Recoverable	ND		0.00100	1	10/12/2023 00:13	WG2146872
Vanadium,Total Recoverable	ND		0.00300	1	10/12/2023 00:13	WG2146872
Zinc, Total Recoverable	ND		0.00500	1	10/12/2023 00:13	WG2146872

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/10/2023 01:01	WG2148115
1,1,1-Trichloroethane	ND		1.00	1	10/10/2023 01:01	WG2148115
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/10/2023 01:01	WG2148115
1,1,2-Trichloroethane	ND		1.00	1	10/10/2023 01:01	WG2148115
1,1-Dichloroethane	ND		1.00	1	10/10/2023 01:01	WG2148115
1,1-Dichloroethene	ND		1.00	1	10/10/2023 01:01	WG2148115
1,2,3-Trichloropropane	ND		1.00	1	10/10/2023 01:01	WG2148115

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND	J3	2.00	1	10/10/2023 01:01	WG2148115
1,2-Dibromoethane	ND		1.00	1	10/10/2023 01:01	WG2148115
1,2-Dichlorobenzene	ND		1.00	1	10/10/2023 01:01	WG2148115
1,2-Dichloroethane	ND		1.00	1	10/10/2023 01:01	WG2148115
1,2-Dichloropropane	ND		1.00	1	10/10/2023 01:01	WG2148115
1,4-Dichlorobenzene	ND		1.00	1	10/10/2023 01:01	WG2148115
2-Butanone (MEK)	6.17	J3	5.00	1	10/10/2023 01:01	WG2148115
2-Hexanone	ND		5.00	1	10/10/2023 01:01	WG2148115
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/10/2023 01:01	WG2148115
Acetone	ND		10.0	1	10/10/2023 01:01	WG2148115
Acrylonitrile	ND		20.0	1	10/10/2023 01:01	WG2148115
Benzene	ND		1.00	1	10/10/2023 01:01	WG2148115
Bromochloromethane	ND		1.00	1	10/10/2023 01:01	WG2148115
Bromodichloromethane	ND		1.00	1	10/10/2023 01:01	WG2148115
Bromoform	ND		1.00	1	10/10/2023 01:01	WG2148115
Bromomethane	ND		1.00	1	10/10/2023 01:01	WG2148115
Carbon disulfide	ND		1.00	1	10/10/2023 01:01	WG2148115
Carbon tetrachloride	ND		1.00	1	10/10/2023 01:01	WG2148115
Chlorobenzene	ND		1.00	1	10/10/2023 01:01	WG2148115
Chloroethane	ND		1.00	1	10/10/2023 01:01	WG2148115
Chloroform	ND		1.00	1	10/10/2023 01:01	WG2148115
Chloromethane	ND		1.00	1	10/10/2023 01:01	WG2148115
Dibromochloromethane	ND		1.00	1	10/10/2023 01:01	WG2148115
Dibromomethane	ND		1.00	1	10/10/2023 01:01	WG2148115
Ethylbenzene	ND		1.00	1	10/10/2023 01:01	WG2148115
Iodomethane	ND		1.00	1	10/10/2023 01:01	WG2148115
Methylene Chloride	ND		1.07	1	10/10/2023 01:01	WG2148115
Styrene	ND		1.00	1	10/10/2023 01:01	WG2148115
Tetrachloroethene	ND		1.00	1	10/10/2023 01:01	WG2148115
Toluene	1.47		1.00	1	10/10/2023 01:01	WG2148115
Trichloroethene	ND		1.00	1	10/10/2023 01:01	WG2148115
Trichlorofluoromethane	ND		1.00	1	10/10/2023 01:01	WG2148115
Vinyl acetate	ND		5.00	1	10/10/2023 01:01	WG2148115
Vinyl chloride	ND		1.00	1	10/10/2023 01:01	WG2148115
Xylenes, Total	ND		1.00	1	10/10/2023 01:01	WG2148115
cis-1,2-Dichloroethene	ND		1.00	1	10/10/2023 01:01	WG2148115
cis-1,3-Dichloropropene	ND		1.00	1	10/10/2023 01:01	WG2148115
trans-1,2-Dichloroethene	ND		1.00	1	10/10/2023 01:01	WG2148115
trans-1,3-Dichloropropene	ND		1.00	1	10/10/2023 01:01	WG2148115
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/10/2023 01:01	WG2148115
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*	*10/10/2023 01:01*	WG2148115
(S) 4-Bromofluorobenzene	*107*			*77.0-126*	*10/10/2023 01:01*	WG2148115
(S) Toluene-d8	*96.1*			*80.0-120*	*10/10/2023 01:01*	WG2148115

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	10/09/2023 15:29	WG2147827
1,1,1-Trichloroethane	ND		1.00	1	10/09/2023 15:29	WG2147827
1,1,2,2-Tetrachloroethane	ND		1.00	1	10/09/2023 15:29	WG2147827
1,1,2-Trichloroethane	ND		1.00	1	10/09/2023 15:29	WG2147827
1,1-Dichloroethane	ND		1.00	1	10/09/2023 15:29	WG2147827
1,1-Dichloroethene	ND		1.00	1	10/09/2023 15:29	WG2147827
1,1-Dichloropropene	ND		1.00	1	10/09/2023 15:29	WG2147827
1,2,3-Trichloropropane	ND		1.00	1	10/09/2023 15:29	WG2147827
1,2-Dibromo-3-Chloropropane	ND		2.00	1	10/09/2023 15:29	WG2147827
1,2-Dibromoethane	ND		1.00	1	10/09/2023 15:29	WG2147827
1,2-Dichlorobenzene	ND		1.00	1	10/09/2023 15:29	WG2147827
1,2-Dichloroethane	ND		1.00	1	10/09/2023 15:29	WG2147827
1,2-Dichloropropane	ND		1.00	1	10/09/2023 15:29	WG2147827
1,3-Dichlorobenzene	ND		1.00	1	10/09/2023 15:29	WG2147827
1,3-Dichloropropane	ND		1.00	1	10/09/2023 15:29	WG2147827
1,4-Dichlorobenzene	ND		1.00	1	10/09/2023 15:29	WG2147827
2,2-Dichloropropane	ND		5.00	1	10/09/2023 15:29	WG2147827
2-Butanone (MEK)	ND		5.00	1	10/09/2023 15:29	WG2147827
2-Hexanone	ND		5.00	1	10/09/2023 15:29	WG2147827
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	10/09/2023 15:29	WG2147827
Acetone	ND		11.3	1	10/09/2023 15:29	WG2147827
Acetonitrile	ND		30.0	1	10/09/2023 15:29	WG2147827
Acrolein	ND		20.0	1	10/09/2023 15:29	WG2147827
Acrylonitrile	ND		20.0	1	10/09/2023 15:29	WG2147827
Allyl chloride	ND		10.0	1	10/09/2023 15:29	WG2147827
Benzene	ND		1.00	1	10/09/2023 15:29	WG2147827
Bromochloromethane	ND		1.00	1	10/09/2023 15:29	WG2147827
Bromodichloromethane	ND		1.00	1	10/09/2023 15:29	WG2147827
Bromoform	ND		1.00	1	10/09/2023 15:29	WG2147827
Bromomethane	ND		1.00	1	10/09/2023 15:29	WG2147827
Carbon disulfide	ND		1.00	1	10/09/2023 15:29	WG2147827
Carbon tetrachloride	ND		1.00	1	10/09/2023 15:29	WG2147827
Chlorobenzene	ND		1.00	1	10/09/2023 15:29	WG2147827
Chloroethane	ND		1.00	1	10/09/2023 15:29	WG2147827
Chloroform	ND		1.00	1	10/09/2023 15:29	WG2147827
Chloromethane	ND		1.00	1	10/09/2023 15:29	WG2147827
Chloroprene	ND		1.70	1	10/09/2023 15:29	WG2147827
Dibromochloromethane	ND		1.00	1	10/09/2023 15:29	WG2147827
Dibromomethane	ND		1.00	1	10/09/2023 15:29	WG2147827
Dichlorodifluoromethane	ND		2.00	1	10/09/2023 15:29	WG2147827
Ethyl methacrylate	ND		3.00	1	10/09/2023 15:29	WG2147827
Ethylbenzene	ND		1.00	1	10/09/2023 15:29	WG2147827
Iodomethane	ND		1.00	1	10/09/2023 15:29	WG2147827
Isobutanol	ND		110	1	10/09/2023 15:29	WG2147827
Methacrylonitrile	ND		13.0	1	10/09/2023 15:29	WG2147827
Methyl methacrylate	ND		4.00	1	10/09/2023 15:29	WG2147827
Methylene Chloride	ND		1.07	1	10/09/2023 15:29	WG2147827
Propionitrile	ND		20.0	1	10/09/2023 15:29	WG2147827
Styrene	ND		1.00	1	10/09/2023 15:29	WG2147827
Tetrachloroethene	ND		1.00	1	10/09/2023 15:29	WG2147827
Toluene	ND		1.00	1	10/09/2023 15:29	WG2147827
Trichloroethene	ND		1.00	1	10/09/2023 15:29	WG2147827
Trichlorofluoromethane	ND		1.00	1	10/09/2023 15:29	WG2147827
Vinyl acetate	ND		5.00	1	10/09/2023 15:29	WG2147827
Vinyl chloride	ND		1.00	1	10/09/2023 15:29	WG2147827
Xylenes, Total	ND		1.00	1	10/09/2023 15:29	WG2147827

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	ND		1.00	1	10/09/2023 15:29	WG2147827
cis-1,3-Dichloropropene	ND		1.00	1	10/09/2023 15:29	WG2147827
trans-1,2-Dichloroethene	ND		1.00	1	10/09/2023 15:29	WG2147827
trans-1,3-Dichloropropene	ND		1.00	1	10/09/2023 15:29	WG2147827
trans-1,4-Dichloro-2-butene	ND		1.00	1	10/09/2023 15:29	WG2147827
(S) Toluene-d8	*108*			*80.0-120*	*10/09/2023 15:29*	WG2147827
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*	*10/09/2023 15:29*	WG2147827
(S) 4-Bromofluorobenzene	*90.4*			*77.0-126*	*10/09/2023 15:29*	WG2147827

Method Blank (MB)

(MB) R3984245-1 10/09/23 11:03

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

L1664095-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1664095-02 10/09/23 11:03 • (DUP) R3984245-3 10/09/23 11:03

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	775	787	1	1.54		5

L1664095-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1664095-03 10/09/23 11:03 • (DUP) R3984245-4 10/09/23 11:03

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	719	736	1	2.38		5

Laboratory Control Sample (LCS)

(LCS) R3984245-2 10/09/23 11:03

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8910	101	77.3-123	

Method Blank (MB)

(MB) R3985480-1 10/10/23 12:55

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

L1663274-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1663274-01 10/10/23 12:55 • (DUP) R3985480-3 10/10/23 12:55

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1190	1310	1	9.20	J3	5

L1663274-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1663274-03 10/10/23 12:55 • (DUP) R3985480-4 10/10/23 12:55

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	964	1040	1	7.78	J3	5

Laboratory Control Sample (LCS)

(LCS) R3985480-2 10/10/23 12:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8160	92.7	77.3-123	

Method Blank (MB)

(MB) R3985447-1 10/10/23 13:19

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

L1663141-46 Original Sample (OS) • Duplicate (DUP)

(OS) L1663141-46 10/10/23 13:19 • (DUP) R3985447-3 10/10/23 13:19

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1930	1910	1	1.04		5

L1663141-47 Original Sample (OS) • Duplicate (DUP)

(OS) L1663141-47 10/10/23 13:19 • (DUP) R3985447-4 10/10/23 13:19

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	3490	4060	1	15.0	J3	5

Laboratory Control Sample (LCS)

(LCS) R3985447-2 10/10/23 13:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8460	96.1	77.3-123	

Method Blank (MB)

(MB) R3986737-1 10/12/23 12:22

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

L1663610-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1663610-04 10/12/23 12:22 • (DUP) R3986737-3 10/12/23 12:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	331	346	1	4.43		5

L1663622-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1663622-01 10/12/23 12:22 • (DUP) R3986737-4 10/12/23 12:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	507	508	1	0.197		5

Laboratory Control Sample (LCS)

(LCS) R3986737-2 10/12/23 12:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8090	91.9	77.3-123	

Method Blank (MB)

(MB) R3986723-1 10/13/23 00:00

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

L1663622-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1663622-14 10/13/23 00:00 • (DUP) R3986723-3 10/13/23 00:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1550	1570	1	1.15		5

L1664648-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1664648-09 10/13/23 00:00 • (DUP) R3986723-4 10/13/23 00:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	608	609	1	0.164		5

Laboratory Control Sample (LCS)

(LCS) R3986723-2 10/13/23 00:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8520	96.8	77.3-123	

QUALITY CONTROL SUMMARY

L1663702-02,03,04,05,06,07,08,09,10,11,22

Method Blank (MB)

(MB) R3984374-1 10/10/23 12:39

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

L1663702-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1663702-03 10/10/23 13:05 • (DUP) R3984374-5 10/10/23 13:06

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

L1663702-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1663702-22 10/10/23 13:26 • (DUP) R3984374-7 10/10/23 13:28

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) R3984374-2 10/10/23 12:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.10	94.7	90.0-110	

L1663702-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663702-02 10/10/23 12:56 • (MS) R3984374-3 10/10/23 12:57 • (MSD) R3984374-4 10/10/23 13:03

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	4.58	4.78	91.6	95.5	1	90.0-110			4.21	10

L1663702-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1663702-11 10/10/23 13:23 • (MS) R3984374-6 10/10/23 13:25

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	ND	4.73	94.6	1	90.0-110	

Method Blank (MB)

(MB) R3983240-1 10/07/23 12:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Sulfide	ND		0.00650	0.0500

L1663763-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1663763-10 10/07/23 12:53 • (DUP) R3983240-5 10/07/23 12:54

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfide	ND	ND	1	0.000		20

L1663829-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1663829-04 10/07/23 12:56 • (DUP) R3983240-6 10/07/23 12:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfide	ND	ND	1	2.74		20

Laboratory Control Sample (LCS)

(LCS) R3983240-2 10/07/23 12:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfide	0.500	0.508	102	85.0-115	

L1663702-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663702-06 10/07/23 12:48 • (MS) R3983240-3 10/07/23 12:48 • (MSD) R3983240-4 10/07/23 12:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfide	0.500	ND	ND	ND	94.2	94.0	1	80.0-120			0.213	20

Method Blank (MB)

(MB) R3983700-1 10/09/23 11:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	ND		0.00180	0.00500

L1663702-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1663702-06 10/09/23 11:51 • (DUP) R3983700-3 10/09/23 11:52

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	ND	1	0.000		20

L1663763-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1663763-07 10/09/23 12:05 • (DUP) R3983700-6 10/09/23 12:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3983700-2 10/09/23 11:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.0905	90.5	87.1-120	

L1663710-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663710-01 10/09/23 11:57 • (MS) R3983700-4 10/09/23 11:58 • (MSD) R3983700-5 10/09/23 12:00

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	ND	0.0920	0.0919	92.0	91.9	1	90.0-110			0.109	20

Method Blank (MB)

(MB) R3985256-1 10/11/23 18:06

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

L1662631-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1662631-12 10/11/23 20:28 • (DUP) R3985256-3 10/11/23 20:38

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	6.05	6.02	1	0.491		15

L1663702-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1663702-07 10/11/23 22:32 • (DUP) R3985256-6 10/11/23 22:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	30.1	30.1	1	0.0664		15

Laboratory Control Sample (LCS)

(LCS) R3985256-2 10/11/23 18:15

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.3	95.8	80.0-120	

L1662631-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1662631-12 10/11/23 20:28 • (MS) R3985256-4 10/11/23 20:47 • (MSD) R3985256-5 10/11/23 20:57

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	6.05	43.7	43.3	94.0	93.2	1	80.0-120			0.768	15

L1663702-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1663702-07 10/11/23 22:32 • (MS) R3985256-7 10/11/23 22:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	30.1	62.3	80.4	1	80.0-120	

Method Blank (MB)

(MB) R3985302-1 10/12/23 00:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.0972		0.0519	1.00
Sulfate	0.228		0.0774	5.00

L1663354-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1663354-02 10/12/23 03:53 • (DUP) R3985302-3 10/12/23 04:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	ND	ND	1	4.85		15
Sulfate	5.59	5.21	1	7.05		15

L1663702-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1663702-08 10/12/23 07:47 • (DUP) R3985302-6 10/12/23 08:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	39.3	39.5	1	0.512		15
Sulfate	11.0	11.1	1	0.780		15

Laboratory Control Sample (LCS)

(LCS) R3985302-2 10/12/23 00:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.9	99.8	80.0-120	
Sulfate	40.0	39.2	98.1	80.0-120	

L1663354-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663354-02 10/12/23 03:53 • (MS) R3985302-4 10/12/23 04:21 • (MSD) R3985302-5 10/12/23 04:34

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	40.0	ND	42.0	42.1	98.6	98.7	1	80.0-120			0.128	15
Sulfate	40.0	5.59	43.0	43.0	93.4	93.6	1	80.0-120			0.199	15

L1663702-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1663702-08 10/12/23 07:47 • (MS) R3985302-7 10/12/23 08:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	39.3	71.4	80.2	1	80.0-120	
Sulfate	40.0	11.0	47.0	90.0	1	80.0-120	

Method Blank (MB)

(MB) R3987601-1 10/13/23 13:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.295		0.0519	1.00
Sulfate	0.385		0.0774	5.00

L1663141-48 Original Sample (OS) • Duplicate (DUP)

(OS) L1663141-48 10/13/23 15:42 • (DUP) R3987601-3 10/13/23 16:08

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	220	219	1	0.503	E	15
Sulfate	92.5	91.2	1	1.44		15

L1663141-48 Original Sample (OS) • Duplicate (DUP)

(OS) L1663141-48 10/13/23 15:55 • (DUP) R3987601-4 10/13/23 16:46

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	199	198	10	0.674		15
Sulfate	79.9	79.5	10	0.533		15

L1663702-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1663702-17 10/13/23 22:04 • (DUP) R3987601-7 10/13/23 22:17

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	13.7	13.7	1	0.335		15
Sulfate	ND	ND	1	0.194		15

Laboratory Control Sample (LCS)

(LCS) R3987601-2 10/13/23 13:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.6	96.4	80.0-120	
Sulfate	40.0	38.4	95.9	80.0-120	

L1663141-48 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663141-48 10/13/23 15:55 • (MS) R3987601-5 10/13/23 16:59 • (MSD) R3987601-6 10/13/23 17:11

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 %
Chloride	40.0	199	197	199	0.000	0.000	10	80.0-120	V	V	0.664	15
Sulfate	40.0	79.9	99.9	99.1	50.1	48.1	10	80.0-120	J6	J6	0.805	15

L1663702-17 Original Sample (OS) • Matrix Spike (MS)

(OS) L1663702-17 10/13/23 22:04 • (MS) R3987601-8 10/13/23 22:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	13.7	50.2	91.2	1	80.0-120	
Sulfate	40.0	ND	41.6	92.0	1	80.0-120	

Method Blank (MB)

(MB) R3986850-1 10/13/23 15:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	ND		0.0519	1.00
Sulfate	0.182		0.0774	5.00

L1663702-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1663702-20 10/14/23 00:24 • (DUP) R3986850-3 10/14/23 00:40

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	14.1	14.1	1	0.0177		15
Sulfate	5.35	5.28	1	1.24		15

L1663866-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1663866-01 10/14/23 06:36 • (DUP) R3986850-6 10/14/23 06:52

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	ND	ND	1	3.28		15
Sulfate	44.3	44.3	1	0.0616		15

Laboratory Control Sample (LCS)

(LCS) R3986850-2 10/13/23 16:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.1	100	80.0-120	
Sulfate	40.0	40.3	101	80.0-120	

L1663702-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663702-20 10/14/23 00:24 • (MS) R3986850-4 10/14/23 01:31 • (MSD) R3986850-5 10/14/23 01:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	14.1	51.0	50.6	92.1	91.2	1	80.0-120			0.688	15
Sulfate	40.0	5.35	42.1	41.8	92.0	91.1	1	80.0-120			0.814	15

L1663866-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1663866-01 10/14/23 06:36 • (MS) R3986850-7 10/14/23 07:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	ND	38.3	94.3	1	80.0-120	
Sulfate	40.0	44.3	73.2	72.2	1	80.0-120	J6

Method Blank (MB)

(MB) R3986690-1 10/13/23 09:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.0560		0.0519	1.00

L1664045-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1664045-01 10/13/23 22:47 • (DUP) R3986690-3 10/13/23 23:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	17.2	16.9	1	1.54		15

L1664052-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1664052-03 10/14/23 03:21 • (DUP) R3986690-6 10/14/23 03:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	10.6	10.5	1	0.929		15

Laboratory Control Sample (LCS)

(LCS) R3986690-2 10/13/23 09:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.4	98.6	80.0-120	

L1664045-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1664045-01 10/13/23 22:47 • (MS) R3986690-4 10/13/23 23:14 • (MSD) R3986690-5 10/13/23 23:55

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	17.2	54.8	54.9	94.0	94.1	1	80.0-120			0.0781	15

L1664052-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1664052-03 10/14/23 03:21 • (MS) R3986690-7 10/14/23 03:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	10.6	49.4	97.0	1	80.0-120	

Method Blank (MB)

(MB) R3985771-2 10/12/23 12:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TOC	0.121	J	0.102	1.00

L1663633-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1663633-05 10/12/23 13:06 • (DUP) R3985771-3 10/12/23 13:32

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	14.2	14.4	1	1.40		20

L1663702-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1663702-06 10/12/23 16:25 • (DUP) R3985771-6 10/12/23 16:39

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	2.29	2.26	1	1.54		20

Laboratory Control Sample (LCS)

(LCS) R3985771-1 10/12/23 11:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC	25.0	25.9	103	85.0-115	

L1663702-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663702-05 10/12/23 14:45 • (MS) R3985771-4 10/12/23 15:09 • (MSD) R3985771-5 10/12/23 15:34

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 %
TOC	25.0	1.63	27.6	27.3	104	103	1	80.0-120			0.838	20

L1663702-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663702-18 10/12/23 19:10 • (MS) R3985771-7 10/12/23 19:33 • (MSD) R3985771-8 10/12/23 20:01

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 %
TOC	25.0	2.02	27.9	27.7	104	103	1	80.0-120			0.683	20

Method Blank (MB)

(MB) R3984751-1 10/11/23 10:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury,Total Recoverable	ND		0.0000490	0.000200

Laboratory Control Sample (LCS)

(LCS) R3984751-2 10/11/23 10:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Total Recoverable	0.00300	0.00304	101	80.0-120	

L1663763-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663763-07 10/11/23 10:47 • (MS) R3984751-3 10/11/23 10:49 • (MSD) R3984751-4 10/11/23 10:51

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 %
Mercury,Total Recoverable	0.00300	ND	0.00309	0.00308	103	103	1	75.0-125			0.310	20

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

QUALITY CONTROL SUMMARY

L1663702-01,02,06,12,13,14,15,16,17,18,19,20,21,22

Method Blank (MB)

(MB) R3986301-1 10/13/23 22:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Barium,Total Recoverable	ND		0.00170	0.00500
Silver, Total Recoverable	ND		0.00280	0.00500
Iron, Total Recoverable	ND		0.0141	0.100
Lead, Total Recoverable	0.00251		0.00190	0.00500
Manganese,Total Recoverable	ND		0.00120	0.0100
Selenium, Total Recoverable	ND		0.00740	0.0100
Tin, Total Recoverable	ND		0.00440	0.0500

Laboratory Control Sample (LCS)

(LCS) R3986301-2 10/13/23 22:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium,Total Recoverable	1.00	1.03	103	80.0-120	
Silver, Total Recoverable	0.200	0.194	97.0	80.0-120	
Iron, Total Recoverable	10.0	9.96	99.6	80.0-120	
Lead, Total Recoverable	1.00	0.999	99.9	80.0-120	
Manganese,Total Recoverable	1.00	1.00	100	80.0-120	
Selenium, Total Recoverable	1.00	0.988	98.8	80.0-120	
Tin, Total Recoverable	1.00	1.00	100	80.0-120	

L1663617-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663617-01 10/13/23 22:31 • (MS) R3986301-4 10/13/23 22:36 • (MSD) R3986301-5 10/13/23 22:39

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 %
Barium,Total Recoverable	1.00	0.100	1.08	1.09	98.4	98.7	1	75.0-125			0.285	20
Silver, Total Recoverable	0.200	ND	0.193	0.196	96.3	97.8	1	75.0-125			1.51	20
Iron, Total Recoverable	10.0	0.111	9.75	9.83	96.4	97.2	1	75.0-125			0.759	20
Lead, Total Recoverable	1.00	ND	0.992	1.00	99.2	100	1	75.0-125			0.744	20
Manganese,Total Recoverable	1.00	0.00345	0.954	0.956	95.1	95.3	1	75.0-125			0.198	20
Selenium, Total Recoverable	1.00	ND	0.997	1.01	99.7	101	1	75.0-125			1.66	20
Tin, Total Recoverable	1.00	ND	1.02	1.02	101	101	1	75.0-125			0.0609	20

Method Blank (MB)

(MB) R3985095-1 10/11/23 22:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Antimony, Total Recoverable	ND		0.000754	0.00200
Arsenic, Total Recoverable	ND		0.000250	0.00200
Beryllium, Total Recoverable	ND		0.000120	0.00200
Cadmium, Total Recoverable	ND		0.000160	0.00100
Cobalt,Total Recoverable	ND		0.000260	0.00200
Chromium, Total Recoverable	ND		0.000540	0.00200
Copper, Total Recoverable	0.000599		0.000520	0.00500
Nickel, Total Recoverable	ND		0.000350	0.00200
Thallium, Total Recoverable	ND		0.000190	0.00200
Vanadium,Total Recoverable	ND		0.000180	0.00500
Zinc, Total Recoverable	ND		0.00256	0.0250

Laboratory Control Sample (LCS)

(LCS) R3985095-2 10/11/23 22:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony, Total Recoverable	0.0500	0.0549	110	80.0-120	
Arsenic, Total Recoverable	0.0500	0.0545	109	80.0-120	
Beryllium, Total Recoverable	0.0500	0.0552	110	80.0-120	
Cadmium, Total Recoverable	0.0500	0.0545	109	80.0-120	
Cobalt,Total Recoverable	0.0500	0.0551	110	80.0-120	
Chromium, Total Recoverable	0.0500	0.0561	112	80.0-120	
Copper, Total Recoverable	0.0500	0.0509	102	80.0-120	
Nickel, Total Recoverable	0.0500	0.0544	109	80.0-120	
Thallium, Total Recoverable	0.0500	0.0538	108	80.0-120	
Vanadium,Total Recoverable	0.0500	0.0553	111	80.0-120	
Zinc, Total Recoverable	0.0500	0.0534	107	80.0-120	

L1663702-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663702-01 10/11/23 22:48 • (MS) R3985095-4 10/11/23 22:55 • (MSD) R3985095-5 10/11/23 22:58

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 %
Antimony, Total Recoverable	0.0500	ND	0.0533	0.0532	107	106	1	75.0-125			0.107	20
Arsenic, Total Recoverable	0.0500	ND	0.0513	0.0530	103	106	1	75.0-125			3.28	20
Beryllium, Total Recoverable	0.0500	ND	0.0540	0.0537	108	107	1	75.0-125			0.646	20
Cadmium, Total Recoverable	0.0500	ND	0.0550	0.0543	110	108	1	75.0-125			1.28	20
Cobalt,Total Recoverable	0.0500	ND	0.0515	0.0572	103	114	1	75.0-125			10.4	20

L1663702-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663702-01 10/11/23 22:48 • (MS) R3985095-4 10/11/23 22:55 • (MSD) R3985095-5 10/11/23 22:58

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 %
Chromium, Total Recoverable	0.0500	ND	0.0543	0.746	104	1490	1	75.0-125		J3 J5	173	20
Copper, Total Recoverable	0.0500	ND	0.0500	0.0676	100	135	1	75.0-125		J3 J5	30.0	20
Nickel, Total Recoverable	0.0500	ND	0.0532	0.373	104	743	1	75.0-125		J3 J5	150	20
Thallium, Total Recoverable	0.0500	ND	0.0517	0.0523	103	104	1	75.0-125			1.25	20
Vanadium,Total Recoverable	0.0500	ND	0.0519	0.0570	104	114	1	75.0-125			9.23	20
Zinc, Total Recoverable	0.0500	ND	0.0532	0.0534	99.8	100	1	75.0-125			0.396	20

Method Blank (MB)

(MB) R3984821-4 10/08/23 06:28

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.120	0.500
1,1,1-Trichloroethane	ND		0.0940	0.500
1,1,2,2-Tetrachloroethane	ND		0.130	0.500
1,1,2-Trichloroethane	ND		0.186	0.500
1,1-Dichloroethane	ND		0.114	0.500
1,1-Dichloroethene	ND		0.188	0.500
1,1-Dichloropropene	ND		0.128	0.500
1,2,3-Trichloropropane	ND		0.247	2.50
1,2-Dibromo-3-Chloropropane	ND		0.325	2.50
1,2-Dibromoethane	ND		0.193	0.500
1,2-Dichlorobenzene	ND		0.101	0.500
1,2-Dichloroethane	ND		0.108	0.500
1,2-Dichloropropane	ND		0.190	0.500
1,3-Dichlorobenzene	ND		0.130	0.500
1,3-Dichloropropane	ND		0.147	1.00
1,4-Dichlorobenzene	ND		0.121	0.500
2,2-Dichloropropane	ND		0.0929	0.500
2-Butanone (MEK)	ND		1.28	5.00
2-Hexanone	ND		0.757	5.00
4-Methyl-2-pentanone (MIBK)	ND		0.823	5.00
Acetone	ND		1.05	25.0
Acetonitrile	ND		15.0	50.0
Acrolein	ND		8.87	50.0
Acrylonitrile	ND		0.873	5.00
Allyl chloride	ND		1.70	5.00
Benzene	ND		0.0896	0.500
Bromochloromethane	ND		0.145	0.500
Bromodichloromethane	ND		0.0800	0.500
Bromoform	ND		0.186	0.500
Bromomethane	ND		0.157	2.50
Carbon disulfide	ND		0.101	0.500
Carbon tetrachloride	ND		0.159	0.500
Chlorobenzene	ND		0.140	0.500
Chloroethane	ND		0.141	2.50
Chloroform	ND		0.0860	0.500
Chloromethane	ND		0.153	1.25
Chloroprene	ND		1.70	50.0
Dibromochloromethane	ND		0.128	0.500
Dibromomethane	ND		0.117	0.500
Dichlorodifluoromethane	ND		0.127	2.50

Method Blank (MB)

(MB) R3984821-4 10/08/23 06:28

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethyl methacrylate	ND		1.40	5.00
Ethylbenzene	ND		0.158	0.500
Iodomethane	ND		0.377	10.0
Isobutanol	ND		39.0	100
Methacrylonitrile	ND		13.0	50.0
Methyl methacrylate	ND		1.20	5.00
Methylene Chloride	ND		1.07	2.50
Propionitrile	ND		13.0	50.0
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) Toluene-d8	*106*			*80.0-120*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*
(S) 4-Bromofluorobenzene	*89.1*			*77.0-126*

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

(LCS) R3984821-1 10/08/23 04:44 • (LCSD) R3984821-2 10/08/23 05:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	6.04	5.51	121	110	75.0-125			9.18	20
1,1,1-Trichloroethane	5.00	5.31	5.09	106	102	73.0-124			4.23	20
1,1,2,2-Tetrachloroethane	5.00	5.07	4.79	101	95.8	65.0-130			5.68	20
1,1,2-Trichloroethane	5.00	5.67	5.37	113	107	80.0-120			5.43	20
1,1-Dichloroethane	5.00	5.23	5.01	105	100	70.0-126			4.30	20
1,1-Dichloroethene	5.00	4.97	4.39	99.4	87.8	71.0-124			12.4	20
1,1-Dichloropropene	5.00	5.14	4.77	103	95.4	74.0-126			7.47	20
1,2,3-Trichloropropane	5.00	5.11	4.64	102	92.8	73.0-130			9.64	20
1,2-Dibromo-3-Chloropropane	5.00	4.05	3.89	81.0	77.8	58.0-134			4.03	20

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

(LCS) R3984821-1 10/08/23 04:44 • (LCSD) R3984821-2 10/08/23 05:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dibromoethane	5.00	5.73	5.44	115	109	80.0-122			5.19	20
1,2-Dichlorobenzene	5.00	5.74	5.50	115	110	79.0-121			4.27	20
1,2-Dichloroethane	5.00	5.27	4.95	105	99.0	70.0-128			6.26	20
1,2-Dichloropropane	5.00	5.34	5.13	107	103	77.0-125			4.01	20
1,3-Dichlorobenzene	5.00	5.57	5.31	111	106	79.0-120			4.78	20
1,3-Dichloropropane	5.00	5.52	5.19	110	104	80.0-120			6.16	20
1,4-Dichlorobenzene	5.00	5.65	5.32	113	106	79.0-120			6.02	20
2,2-Dichloropropane	5.00	4.89	4.25	97.8	85.0	58.0-130			14.0	20
2-Butanone (MEK)	25.0	27.2	25.2	109	101	44.0-160			7.63	20
2-Hexanone	25.0	26.3	25.0	105	100	67.0-149			5.07	20
4-Methyl-2-pentanone (MIBK)	25.0	28.9	27.3	116	109	68.0-142			5.69	20
Acetone	25.0	28.9	29.3	116	117	19.0-160			1.37	27
Acrolein	25.0	14.3	12.2	57.2	48.8	10.0-160			15.8	26
Acrylonitrile	25.0	25.7	24.7	103	98.8	55.0-149			3.97	20
Allyl chloride	25.0	25.5	23.3	102	93.2	72.0-128			9.02	23
Benzene	5.00	5.08	4.76	102	95.2	70.0-123			6.50	20
Bromochloromethane	5.00	5.63	5.31	113	106	76.0-122			5.85	20
Bromodichloromethane	5.00	5.12	4.93	102	98.6	75.0-120			3.78	20
Bromoform	5.00	5.89	5.57	118	111	68.0-132			5.58	20
Bromomethane	5.00	5.18	5.15	104	103	10.0-160			0.581	25
Carbon disulfide	5.00	4.37	4.10	87.4	82.0	61.0-128			6.38	20
Carbon tetrachloride	5.00	5.46	5.11	109	102	68.0-126			6.62	20
Chlorobenzene	5.00	5.72	5.38	114	108	80.0-121			6.13	20
Chloroethane	5.00	6.09	5.65	122	113	47.0-150			7.50	20
Chloroform	5.00	5.31	5.00	106	100	73.0-120			6.01	20
Chloromethane	5.00	5.05	4.83	101	96.6	41.0-142			4.45	20
Dibromochloromethane	5.00	5.92	5.46	118	109	77.0-125			8.08	20
Dibromomethane	5.00	5.14	5.03	103	101	80.0-120			2.16	20
Dichlorodifluoromethane	5.00	4.14	3.82	82.8	76.4	51.0-149			8.04	20
Ethylbenzene	5.00	5.80	5.20	116	104	79.0-123			10.9	20
Iodomethane	25.0	21.4	21.2	85.6	84.8	33.0-147			0.939	26
Methylene Chloride	5.00	3.99	3.88	79.8	77.6	67.0-120			2.80	20
Styrene	5.00	5.10	4.83	102	96.6	73.0-130			5.44	20
Tetrachloroethene	5.00	6.02	5.62	120	112	72.0-132			6.87	20
Toluene	5.00	5.36	5.06	107	101	79.0-120			5.76	20
Trichloroethene	5.00	5.67	5.57	113	111	78.0-124			1.78	20
Trichlorofluoromethane	5.00	6.26	5.60	125	112	59.0-147			11.1	20
Vinyl acetate	25.0	20.9	16.4	83.6	65.6	11.0-160		J3	24.1	20
Vinyl chloride	5.00	5.44	5.06	109	101	67.0-131			7.24	20
Xylenes, Total	15.0	16.5	15.7	110	105	79.0-123			4.97	20

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

(LCS) R3984821-1 10/08/23 04:44 • (LCSD) R3984821-2 10/08/23 05:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,2-Dichloroethene	5.00	5.12	5.07	102	101	73.0-120			0.981	20
cis-1,3-Dichloropropene	5.00	4.83	4.43	96.6	88.6	80.0-123			8.64	20
trans-1,2-Dichloroethene	5.00	5.10	4.69	102	93.8	73.0-120			8.38	20
trans-1,3-Dichloropropene	5.00	5.59	5.21	112	104	78.0-124			7.04	20
trans-1,4-Dichloro-2-butene	5.00	4.84	4.45	96.8	89.0	33.0-144			8.40	20
(S) Toluene-d8				*106*	*104*	*80.0-120*				
(S) 1,2-Dichloroethane-d4				*97.9*	*97.3*	*70.0-130*				
(S) 4-Bromofluorobenzene				*91.1*	*89.4*	*77.0-126*				

Laboratory Control Sample (LCS)

(LCS) R3984821-3 10/08/23 05:26

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetonitrile	500	408	81.6	40.0-160	
Chloroprene	50.0	50.3	101	60.0-143	
Ethyl methacrylate	50.0	55.6	111	72.0-129	
Isobutanol	1000	837	83.7	40.0-160	
Methacrylonitrile	500	468	93.6	61.0-145	
Methyl methacrylate	50.0	49.3	98.6	63.0-149	
Propionitrile	500	449	89.8	49.0-160	
(S) Toluene-d8			*108*	*80.0-120*	
(S) 1,2-Dichloroethane-d4			*98.5*	*70.0-130*	
(S) 4-Bromofluorobenzene			*92.6*	*77.0-126*	

Method Blank (MB)

(MB) R3983704-3 10/08/23 15:17

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

Method Blank (MB)

(MB) R3983704-3 10/08/23 15:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*
(S) 4-Bromofluorobenzene	*87.9*			*77.0-126*
(S) Toluene-d8	*111*			*80.0-120*

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

(LCS) R3983704-1 10/08/23 14:20 • (LCSD) R3983704-2 10/08/23 14:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	5.38	5.55	108	111	75.0-125			3.11	20
1,1,1-Trichloroethane	5.00	4.51	5.09	90.2	102	73.0-124			12.1	20
1,1,2,2-Tetrachloroethane	5.00	5.26	5.59	105	112	65.0-130			6.08	20
1,1,2-Trichloroethane	5.00	5.15	5.51	103	110	80.0-120			6.75	20
1,1-Dichloroethane	5.00	4.68	5.03	93.6	101	70.0-126			7.21	20
1,1-Dichloroethene	5.00	4.60	5.05	92.0	101	71.0-124			9.33	20
1,2,3-Trichloropropane	5.00	5.35	5.61	107	112	73.0-130			4.74	20
1,2-Dibromo-3-Chloropropane	5.00	5.01	5.61	100	112	58.0-134			11.3	20
1,2-Dibromoethane	5.00	5.22	5.38	104	108	80.0-122			3.02	20
1,2-Dichlorobenzene	5.00	5.19	5.72	104	114	79.0-121			9.72	20
1,2-Dichloroethane	5.00	4.24	4.53	84.8	90.6	70.0-128			6.61	20
1,2-Dichloropropane	5.00	4.78	4.98	95.6	99.6	77.0-125			4.10	20
1,4-Dichlorobenzene	5.00	5.36	5.83	107	117	79.0-120			8.40	20
2-Butanone (MEK)	25.0	21.9	23.7	87.6	94.8	44.0-160			7.89	20
2-Hexanone	25.0	25.8	27.6	103	110	67.0-149			6.74	20
4-Methyl-2-pentanone (MIBK)	25.0	29.0	31.3	116	125	68.0-142			7.63	20
Acetone	25.0	19.4	22.7	77.6	90.8	19.0-160			15.7	27
Acrylonitrile	25.0	21.3	24.8	85.2	99.2	55.0-149			15.2	20
Benzene	5.00	4.20	4.47	84.0	89.4	70.0-123			6.23	20
Bromochloromethane	5.00	4.31	4.57	86.2	91.4	76.0-122			5.86	20
Bromodichloromethane	5.00	4.53	4.73	90.6	94.6	75.0-120			4.32	20
Bromoform	5.00	5.86	6.02	117	120	68.0-132			2.69	20
Bromomethane	5.00	4.14	4.13	82.8	82.6	10.0-160			0.242	25

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

(LCS) R3983704-1 10/08/23 14:20 • (LCSD) R3983704-2 10/08/23 14:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Carbon disulfide	5.00	4.49	4.81	89.8	96.2	61.0-128			6.88	20
Carbon tetrachloride	5.00	4.54	4.81	90.8	96.2	68.0-126			5.78	20
Chlorobenzene	5.00	5.08	5.40	102	108	80.0-121			6.11	20
Chloroethane	5.00	4.05	4.20	81.0	84.0	47.0-150			3.64	20
Chloroform	5.00	4.30	4.77	86.0	95.4	73.0-120			10.4	20
Chloromethane	5.00	7.29	7.69	146	154	41.0-142	J4	J4	5.34	20
Dibromochloromethane	5.00	5.59	5.79	112	116	77.0-125			3.51	20
Dibromomethane	5.00	4.20	4.19	84.0	83.8	80.0-120			0.238	20
Ethylbenzene	5.00	4.77	5.10	95.4	102	79.0-123			6.69	20
Iodomethane	25.0	23.1	23.9	92.4	95.6	33.0-147			3.40	26
Methylene Chloride	5.00	4.30	4.62	86.0	92.4	67.0-120			7.17	20
Styrene	5.00	4.43	4.87	88.6	97.4	73.0-130			9.46	20
Tetrachloroethene	5.00	5.79	6.12	116	122	72.0-132			5.54	20
Toluene	5.00	5.01	5.17	100	103	79.0-120			3.14	20
Trichloroethene	5.00	4.40	4.80	88.0	96.0	78.0-124			8.70	20
Trichlorofluoromethane	5.00	4.79	5.42	95.8	108	59.0-147			12.3	20
Vinyl acetate	25.0	23.1	23.1	92.4	92.4	11.0-160			0.000	20
Vinyl chloride	5.00	5.07	5.42	101	108	67.0-131			6.67	20
Xylenes, Total	15.0	14.1	14.9	94.0	99.3	79.0-123			5.52	20
cis-1,2-Dichloroethene	5.00	4.33	4.56	86.6	91.2	73.0-120			5.17	20
cis-1,3-Dichloropropene	5.00	4.06	4.33	81.2	86.6	80.0-123			6.44	20
trans-1,2-Dichloroethene	5.00	4.39	4.70	87.8	94.0	73.0-120			6.82	20
trans-1,3-Dichloropropene	5.00	4.68	4.97	93.6	99.4	78.0-124			6.01	20
trans-1,4-Dichloro-2-butene	5.00	5.03	5.28	101	106	33.0-144			4.85	20
(S) 1,2-Dichloroethane-d4				*97.1*	*101*	*70.0-130*				
(S) 4-Bromofluorobenzene				*93.3*	*92.1*	*77.0-126*				
(S) Toluene-d8				*114*	*114*	*80.0-120*				

L1663164-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663164-09 10/08/23 16:28 • (MS) R3983704-4 10/08/23 22:49 • (MSD) R3983704-5 10/08/23 23:08

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	ND	5.70	5.62	114	112	1	36.0-151			1.41	29
1,1,1-Trichloroethane	5.00	ND	4.97	5.02	99.4	100	1	23.0-160			1.00	28
1,1,2,2-Tetrachloroethane	5.00	ND	5.83	5.55	117	111	1	33.0-150			4.92	28
1,1,2-Trichloroethane	5.00	ND	5.57	5.18	111	104	1	35.0-147			7.26	27
1,1-Dichloroethane	5.00	ND	5.08	4.87	102	97.4	1	25.0-158			4.22	27
1,1-Dichloroethene	5.00	ND	5.11	4.98	102	99.6	1	11.0-160			2.58	29

L1663164-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663164-09 10/08/23 16:28 • (MS) R3983704-4 10/08/23 22:49 • (MSD) R3983704-5 10/08/23 23:08

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2,3-Trichloropropane	5.00	ND	5.59	5.48	112	110	1	34.0-151			1.99	29
1,2-Dibromo-3-Chloropropane	5.00	ND	5.66	4.87	113	97.4	1	22.0-151			15.0	34
1,2-Dibromoethane	5.00	ND	5.35	5.11	107	102	1	34.0-147			4.59	27
1,2-Dichlorobenzene	5.00	ND	5.82	5.57	116	111	1	34.0-149			4.39	28
1,2-Dichloroethane	5.00	ND	4.55	4.40	91.0	88.0	1	29.0-151			3.35	27
1,2-Dichloropropane	5.00	ND	4.85	4.98	97.0	99.6	1	30.0-156			2.64	27
1,4-Dichlorobenzene	5.00	ND	5.94	5.72	119	114	1	35.0-142			3.77	27
2-Butanone (MEK)	25.0	ND	23.3	23.5	93.2	94.0	1	10.0-160			0.855	32
2-Hexanone	25.0	ND	26.6	26.6	106	106	1	21.0-160			0.000	29
4-Methyl-2-pentanone (MIBK)	25.0	ND	30.1	29.1	120	116	1	29.0-160			3.38	29
Acetone	25.0	ND	23.1	24.1	92.4	96.4	1	10.0-160			4.24	35
Acrylonitrile	25.0	ND	24.5	26.2	98.0	105	1	21.0-160			6.71	32
Benzene	5.00	ND	4.53	4.40	90.6	88.0	1	17.0-158			2.91	27
Bromochloromethane	5.00	ND	4.36	4.31	87.2	86.2	1	38.0-142			1.15	26
Bromodichloromethane	5.00	ND	4.81	4.59	96.2	91.8	1	31.0-150			4.68	27
Bromoform	5.00	ND	6.03	5.70	121	114	1	29.0-150			5.63	29
Bromomethane	5.00	ND	4.02	3.88	80.4	77.6	1	10.0-160			3.54	38
Carbon disulfide	5.00	ND	4.37	4.31	87.4	86.2	1	10.0-156			1.38	28
Carbon tetrachloride	5.00	ND	5.17	5.07	103	101	1	23.0-159			1.95	28
Chlorobenzene	5.00	ND	5.49	5.18	110	104	1	33.0-152			5.81	27
Chloroethane	5.00	ND	4.09	4.07	81.8	81.4	1	10.0-160			0.490	30
Chloroform	5.00	ND	4.68	4.55	93.6	91.0	1	29.0-154			2.82	28
Chloromethane	5.00	ND	7.12	6.82	142	136	1	10.0-160			4.30	29
Dibromochloromethane	5.00	ND	5.80	5.61	116	112	1	37.0-149			3.33	27
Dibromomethane	5.00	ND	4.09	4.17	81.8	83.4	1	30.0-151			1.94	27
Ethylbenzene	5.00	ND	5.56	5.28	111	106	1	30.0-155			5.17	27
Iodomethane	25.0	ND	23.3	23.4	93.2	93.6	1	10.0-160			0.428	40
Methylene Chloride	5.00	ND	4.46	4.38	89.2	87.6	1	23.0-144			1.81	28
Styrene	5.00	ND	4.85	4.72	97.0	94.4	1	33.0-155			2.72	28
Tetrachloroethene	5.00	ND	6.35	6.04	127	121	1	10.0-160			5.00	27
Toluene	5.00	ND	5.24	5.11	105	102	1	26.0-154			2.51	28
Trichloroethene	5.00	ND	4.76	4.72	95.2	94.4	1	10.0-160			0.844	25
Trichlorofluoromethane	5.00	ND	5.50	5.26	110	105	1	17.0-160			4.46	31
Vinyl acetate	25.0	ND	28.2	27.7	113	111	1	12.0-160			1.79	31
Vinyl chloride	5.00	ND	5.56	5.36	111	107	1	10.0-160			3.66	27
Xylenes, Total	15.0	ND	15.7	15.1	105	101	1	29.0-154			3.90	28
cis-1,2-Dichloroethene	5.00	ND	4.65	4.52	93.0	90.4	1	10.0-160			2.84	27
cis-1,3-Dichloropropene	5.00	ND	4.05	3.93	81.0	78.6	1	34.0-149			3.01	28
trans-1,2-Dichloroethene	5.00	ND	4.77	4.46	95.4	89.2	1	17.0-153			6.72	27
trans-1,3-Dichloropropene	5.00	ND	4.92	4.66	98.4	93.2	1	32.0-149			5.43	28

L1663164-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663164-09 10/08/23 16:28 • (MS) R3983704-4 10/08/23 22:49 • (MSD) R3983704-5 10/08/23 23:08

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
trans-1,4-Dichloro-2-butene	5.00	ND	4.98	4.69	99.6	93.8	1	10.0-157			6.00	37
(S) 1,2-Dichloroethane-d4					*96.0*	*97.9*		*70.0-130*				
(S) 4-Bromofluorobenzene					*94.3*	*94.1*		*77.0-126*				
(S) Toluene-d8					*111*	*108*		*80.0-120*				

L1663164-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663164-14 10/08/23 18:03 • (MS) R3983704-6 10/08/23 23:27 • (MSD) R3983704-7 10/08/23 23:47

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	ND	4.51	4.47	90.2	89.4	1	36.0-151			0.891	29
1,1,1-Trichloroethane	5.00	ND	4.06	4.17	81.2	83.4	1	23.0-160			2.67	28
1,1,2,2-Tetrachloroethane	5.00	ND	4.53	4.68	90.6	93.6	1	33.0-150			3.26	28
1,1,2-Trichloroethane	5.00	ND	4.61	4.36	92.2	87.2	1	35.0-147			5.57	27
1,1-Dichloroethane	5.00	ND	4.23	4.24	84.6	84.8	1	25.0-158			0.236	27
1,1-Dichloroethene	5.00	ND	4.38	4.49	87.6	89.8	1	11.0-160			2.48	29
1,2,3-Trichloropropane	5.00	ND	4.70	4.61	94.0	92.2	1	34.0-151			1.93	29
1,2-Dibromo-3-Chloropropane	5.00	ND	4.28	4.77	85.6	95.4	1	22.0-151			10.8	34
1,2-Dibromoethane	5.00	ND	4.39	4.47	87.8	89.4	1	34.0-147			1.81	27
1,2-Dichlorobenzene	5.00	ND	4.52	4.66	90.4	93.2	1	34.0-149			3.05	28
1,2-Dichloroethane	5.00	ND	3.87	3.75	77.4	75.0	1	29.0-151			3.15	27
1,2-Dichloropropane	5.00	ND	4.14	3.98	82.8	79.6	1	30.0-156			3.94	27
1,4-Dichlorobenzene	5.00	ND	4.82	4.78	96.4	95.6	1	35.0-142			0.833	27
2-Butanone (MEK)	25.0	ND	22.4	19.1	89.6	76.4	1	10.0-160			15.9	32
2-Hexanone	25.0	ND	23.9	23.2	95.6	92.8	1	21.0-160			2.97	29
4-Methyl-2-pentanone (MIBK)	25.0	ND	26.3	25.3	105	101	1	29.0-160			3.88	29
Acetone	25.0	ND	31.0	28.1	124	112	1	10.0-160			9.81	35
Acrylonitrile	25.0	ND	26.6	21.1	106	84.4	1	21.0-160			23.1	32
Benzene	5.00	ND	3.80	3.74	76.0	74.8	1	17.0-158			1.59	27
Bromochloromethane	5.00	ND	3.91	3.72	78.2	74.4	1	38.0-142			4.98	26
Bromodichloromethane	5.00	ND	4.00	3.77	80.0	75.4	1	31.0-150			5.92	27
Bromoform	5.00	ND	5.14	5.05	103	101	1	29.0-150			1.77	29
Bromomethane	5.00	ND	3.23	3.35	64.6	67.0	1	10.0-160			3.65	38
Carbon disulfide	5.00	ND	3.68	3.76	73.6	75.2	1	10.0-156			2.15	28
Carbon tetrachloride	5.00	ND	4.18	4.27	83.6	85.4	1	23.0-159			2.13	28
Chlorobenzene	5.00	ND	4.61	4.51	92.2	90.2	1	33.0-152			2.19	27
Chloroethane	5.00	ND	3.27	3.52	65.4	70.4	1	10.0-160			7.36	30
Chloroform	5.00	ND	3.93	3.86	78.6	77.2	1	29.0-154			1.80	28
Chloromethane	5.00	ND	6.02	5.95	120	119	1	10.0-160			1.17	29

L1663164-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663164-14 10/08/23 18:03 • (MS) R3983704-6 10/08/23 23:27 • (MSD) R3983704-7 10/08/23 23:47

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Dibromochloromethane	5.00	ND	4.76	4.60	95.2	92.0	1	37.0-149			3.42	27
Dibromomethane	5.00	ND	3.55	3.45	71.0	69.0	1	30.0-151			2.86	27
Ethylbenzene	5.00	ND	4.47	4.45	89.4	89.0	1	30.0-155			0.448	27
Iodomethane	25.0	ND	19.9	19.9	79.6	79.6	1	10.0-160			0.000	40
Methylene Chloride	5.00	ND	3.76	3.84	75.2	76.8	1	23.0-144			2.11	28
Styrene	5.00	ND	4.06	3.80	81.2	76.0	1	33.0-155			6.62	28
Tetrachloroethene	5.00	ND	5.28	5.21	106	104	1	10.0-160			1.33	27
Toluene	5.00	ND	4.27	4.37	85.4	87.4	1	26.0-154			2.31	28
Trichloroethene	5.00	ND	3.84	3.96	76.8	79.2	1	10.0-160			3.08	25
Trichlorofluoromethane	5.00	ND	4.10	4.70	82.0	94.0	1	17.0-160			13.6	31
Vinyl acetate	25.0	ND	24.3	23.3	97.2	93.2	1	12.0-160			4.20	31
Vinyl chloride	5.00	ND	4.52	4.58	90.4	91.6	1	10.0-160			1.32	27
Xylenes, Total	15.0	ND	12.7	12.6	84.7	84.0	1	29.0-154			0.791	28
cis-1,2-Dichloroethene	5.00	ND	4.14	3.88	82.8	77.6	1	10.0-160			6.48	27
cis-1,3-Dichloropropene	5.00	ND	3.37	3.33	67.4	66.6	1	34.0-149			1.19	28
trans-1,2-Dichloroethene	5.00	ND	3.85	3.89	77.0	77.8	1	17.0-153			1.03	27
trans-1,3-Dichloropropene	5.00	ND	3.99	3.99	79.8	79.8	1	32.0-149			0.000	28
trans-1,4-Dichloro-2-butene	5.00	ND	3.59	3.98	71.8	79.6	1	10.0-157			10.3	37
(S) 1,2-Dichloroethane-d4					*98.6*	*97.8*		*70.0-130*				
(S) 4-Bromofluorobenzene					*95.8*	*93.8*		*77.0-126*				
(S) Toluene-d8					*110*	*111*		*80.0-120*				

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

Method Blank (MB)

(MB) R3983905-4 10/09/23 11:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.120	0.500
1,1,1-Trichloroethane	ND		0.0940	0.500
1,1,2,2-Tetrachloroethane	ND		0.130	0.500
1,1,2-Trichloroethane	ND		0.186	0.500
1,1-Dichloroethane	ND		0.114	0.500
1,1-Dichloroethene	ND		0.188	0.500
1,1-Dichloropropene	ND		0.128	0.500
1,2,3-Trichloropropane	ND		0.247	2.50
1,2-Dibromo-3-Chloropropane	ND		0.325	2.50
1,2-Dibromoethane	ND		0.193	0.500
1,2-Dichlorobenzene	ND		0.101	0.500
1,2-Dichloroethane	ND		0.108	0.500
1,2-Dichloropropane	ND		0.190	0.500
1,3-Dichlorobenzene	ND		0.130	0.500
1,3-Dichloropropane	ND		0.147	1.00
1,4-Dichlorobenzene	ND		0.121	0.500
2,2-Dichloropropane	ND		0.0929	0.500
2-Butanone (MEK)	ND		1.28	5.00
2-Hexanone	ND		0.757	5.00
4-Methyl-2-pentanone (MIBK)	ND		0.823	5.00
Acetone	ND		1.05	25.0
Acetonitrile	ND		15.0	50.0
Acrolein	ND		8.87	50.0
Acrylonitrile	ND		0.873	5.00
Allyl chloride	ND		1.70	5.00
Benzene	ND		0.0896	0.500
Bromochloromethane	ND		0.145	0.500
Bromodichloromethane	ND		0.0800	0.500
Bromoform	ND		0.186	0.500
Bromomethane	ND		0.157	2.50
Carbon disulfide	ND		0.101	0.500
Carbon tetrachloride	ND		0.159	0.500
Chlorobenzene	ND		0.140	0.500
Chloroethane	ND		0.141	2.50
Chloroform	ND		0.0860	0.500
Chloromethane	ND		0.153	1.25
Chloroprene	ND		1.70	50.0
Dibromochloromethane	ND		0.128	0.500
Dibromomethane	ND		0.117	0.500
Dichlorodifluoromethane	ND		0.127	2.50

Method Blank (MB)

(MB) R3983905-4 10/09/23 11:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethyl methacrylate	ND		1.40	5.00
Ethylbenzene	ND		0.158	0.500
Iodomethane	ND		0.377	10.0
Isobutanol	ND		39.0	100
Methacrylonitrile	ND		13.0	50.0
Methyl methacrylate	ND		1.20	5.00
Methylene Chloride	ND		1.07	2.50
Propionitrile	ND		13.0	50.0
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) Toluene-d8	*108*			*80.0-120*
(S) 1,2-Dichloroethane-d4	*97.1*			*70.0-130*
(S) 4-Bromofluorobenzene	*93.7*			*77.0-126*

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

(LCS) R3983905-1 10/09/23 10:32 • (LCSD) R3983905-2 10/09/23 10:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	5.68	5.17	114	103	75.0-125			9.40	20
1,1,1-Trichloroethane	5.00	5.14	4.45	103	89.0	73.0-124			14.4	20
1,1,2,2-Tetrachloroethane	5.00	5.31	4.70	106	94.0	65.0-130			12.2	20
1,1,2-Trichloroethane	5.00	5.67	5.12	113	102	80.0-120			10.2	20
1,1-Dichloroethane	5.00	5.26	4.47	105	89.4	70.0-126			16.2	20
1,1-Dichloroethene	5.00	4.76	3.97	95.2	79.4	71.0-124			18.1	20
1,1-Dichloropropene	5.00	4.93	4.25	98.6	85.0	74.0-126			14.8	20
1,2,3-Trichloropropane	5.00	4.97	4.56	99.4	91.2	73.0-130			8.60	20
1,2-Dibromo-3-Chloropropane	5.00	3.99	3.69	79.8	73.8	58.0-134			7.81	20

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

(LCS) R3983905-1 10/09/23 10:32 • (LCSD) R3983905-2 10/09/23 10:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dibromoethane	5.00	5.77	5.14	115	103	80.0-122			11.5	20
1,2-Dichlorobenzene	5.00	5.73	5.13	115	103	79.0-121			11.0	20
1,2-Dichloroethane	5.00	5.14	4.85	103	97.0	70.0-128			5.81	20
1,2-Dichloropropane	5.00	5.35	4.62	107	92.4	77.0-125			14.6	20
1,3-Dichlorobenzene	5.00	5.42	4.91	108	98.2	79.0-120			9.87	20
1,3-Dichloropropane	5.00	5.45	5.00	109	100	80.0-120			8.61	20
1,4-Dichlorobenzene	5.00	5.61	4.95	112	99.0	79.0-120			12.5	20
2,2-Dichloropropane	5.00	5.06	4.45	101	89.0	58.0-130			12.8	20
2-Butanone (MEK)	25.0	26.1	24.5	104	98.0	44.0-160			6.32	20
2-Hexanone	25.0	26.7	24.8	107	99.2	67.0-149			7.38	20
4-Methyl-2-pentanone (MIBK)	25.0	29.0	26.8	116	107	68.0-142			7.89	20
Acetone	25.0	31.3	29.0	125	116	19.0-160			7.63	27
Acrolein	25.0	14.7	13.8	58.8	55.2	10.0-160			6.32	26
Acrylonitrile	25.0	26.7	24.2	107	96.8	55.0-149			9.82	20
Allyl chloride	25.0	25.3	21.6	101	86.4	72.0-128			15.8	23
Benzene	5.00	4.98	4.33	99.6	86.6	70.0-123			14.0	20
Bromochloromethane	5.00	5.53	5.06	111	101	76.0-122			8.88	20
Bromodichloromethane	5.00	5.10	4.53	102	90.6	75.0-120			11.8	20
Bromoform	5.00	5.63	5.24	113	105	68.0-132			7.18	20
Bromomethane	5.00	3.43	3.60	68.6	72.0	10.0-160			4.84	25
Carbon disulfide	5.00	4.46	3.88	89.2	77.6	61.0-128			13.9	20
Carbon tetrachloride	5.00	5.12	4.35	102	87.0	68.0-126			16.3	20
Chlorobenzene	5.00	5.54	5.01	111	100	80.0-121			10.0	20
Chloroethane	5.00	5.77	5.09	115	102	47.0-150			12.5	20
Chloroform	5.00	5.29	4.55	106	91.0	73.0-120			15.0	20
Chloromethane	5.00	5.14	4.55	103	91.0	41.0-142			12.2	20
Dibromochloromethane	5.00	5.80	5.38	116	108	77.0-125			7.51	20
Dibromomethane	5.00	5.24	4.88	105	97.6	80.0-120			7.11	20
Dichlorodifluoromethane	5.00	4.76	4.05	95.2	81.0	51.0-149			16.1	20
Ethylbenzene	5.00	5.69	4.91	114	98.2	79.0-123			14.7	20
Iodomethane	25.0	18.0	17.6	72.0	70.4	33.0-147			2.25	26
Methylene Chloride	5.00	4.01	3.41	80.2	68.2	67.0-120			16.2	20
Styrene	5.00	4.96	4.42	99.2	88.4	73.0-130			11.5	20
Tetrachloroethene	5.00	5.73	4.95	115	99.0	72.0-132			14.6	20
Toluene	5.00	5.18	4.61	104	92.2	79.0-120			11.6	20
Trichloroethene	5.00	5.31	4.60	106	92.0	78.0-124			14.3	20
Trichlorofluoromethane	5.00	6.17	5.30	123	106	59.0-147			15.2	20
Vinyl acetate	25.0	36.5	31.8	146	127	11.0-160			13.8	20
Vinyl chloride	5.00	5.46	4.75	109	95.0	67.0-131			13.9	20
Xylenes, Total	15.0	16.3	14.5	109	96.7	79.0-123			11.7	20

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

(LCS) R3983905-1 10/09/23 10:32 • (LCSD) R3983905-2 10/09/23 10:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,2-Dichloroethene	5.00	5.08	4.53	102	90.6	73.0-120			11.4	20
cis-1,3-Dichloropropene	5.00	4.88	4.40	97.6	88.0	80.0-123			10.3	20
trans-1,2-Dichloroethene	5.00	4.90	4.19	98.0	83.8	73.0-120			15.6	20
trans-1,3-Dichloropropene	5.00	5.60	5.03	112	101	78.0-124			10.7	20
trans-1,4-Dichloro-2-butene	5.00	4.35	4.01	87.0	80.2	33.0-144			8.13	20
(S) Toluene-d8				*105*	*107*	*80.0-120*				
(S) 1,2-Dichloroethane-d4				*97.8*	*97.4*	*70.0-130*				
(S) 4-Bromofluorobenzene				*91.3*	*92.6*	*77.0-126*				

Laboratory Control Sample (LCS)

(LCS) R3983905-3 10/09/23 11:13

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetonitrile	500	463	92.6	40.0-160	
Chloroprene	50.0	52.6	105	60.0-143	
Ethyl methacrylate	50.0	58.7	117	72.0-129	
Isobutanol	1000	909	90.9	40.0-160	
Methacrylonitrile	500	496	99.2	61.0-145	
Methyl methacrylate	50.0	48.3	96.6	63.0-149	
Propionitrile	500	451	90.2	49.0-160	
(S) Toluene-d8			*107*	*80.0-120*	
(S) 1,2-Dichloroethane-d4			*94.9*	*70.0-130*	
(S) 4-Bromofluorobenzene			*94.1*	*77.0-126*	

Method Blank (MB)

(MB) R3984292-3 10/09/23 20:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	ND		0.0896	0.500
Ethylbenzene	ND		0.158	0.500
Xylenes, Total	ND		0.316	1.50
(S) 1,2-Dichloroethane-d4	*97.6*			*70.0-130*
(S) 4-Bromofluorobenzene	*92.1*			*77.0-126*
(S) Toluene-d8	*114*			*80.0-120*

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

(LCS) R3984292-1 10/09/23 19:26 • (LCSD) R3984292-2 10/09/23 19:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.35	4.14	87.0	82.8	70.0-123			4.95	20
Ethylbenzene	5.00	4.97	4.69	99.4	93.8	79.0-123			5.80	20
Xylenes, Total	15.0	14.8	14.1	98.7	94.0	79.0-123			4.84	20
(S) 1,2-Dichloroethane-d4				*98.4*	*98.1*	*70.0-130*				
(S) 4-Bromofluorobenzene				*92.3*	*95.3*	*77.0-126*				
(S) Toluene-d8				*113*	*113*	*80.0-120*				

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

Method Blank (MB)

(MB) R3985695-3 10/09/23 23:40

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

Method Blank (MB)

(MB) R3985695-3 10/09/23 23:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) Toluene-d8	*103*			*80.0-120*

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

(LCS) R3985695-1 10/09/23 22:05 • (LCSD) R3985695-2 10/09/23 22:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	4.95	5.86	99.0	117	75.0-125			16.8	20
1,1,1-Trichloroethane	5.00	5.13	6.01	103	120	73.0-124			15.8	20
1,1,2,2-Tetrachloroethane	5.00	4.92	5.67	98.4	113	65.0-130			14.2	20
1,1,2-Trichloroethane	5.00	4.91	5.35	98.2	107	80.0-120			8.58	20
1,1-Dichloroethane	5.00	5.12	5.90	102	118	70.0-126			14.2	20
1,1-Dichloroethene	5.00	5.17	6.14	103	123	71.0-124			17.2	20
1,2,3-Trichloropropane	5.00	4.84	5.46	96.8	109	73.0-130			12.0	20
1,2-Dibromo-3-Chloropropane	5.00	4.28	5.56	85.6	111	58.0-134		J3	26.0	20
1,2-Dibromoethane	5.00	4.88	5.52	97.6	110	80.0-122			12.3	20
1,2-Dichlorobenzene	5.00	5.15	5.90	103	118	79.0-121			13.6	20
1,2-Dichloroethane	5.00	5.47	6.15	109	123	70.0-128			11.7	20
1,2-Dichloropropane	5.00	5.16	5.93	103	119	77.0-125			13.9	20
1,4-Dichlorobenzene	5.00	4.79	5.54	95.8	111	79.0-120			14.5	20
2-Butanone (MEK)	25.0	27.8	34.4	111	138	44.0-160		J3	21.2	20
2-Hexanone	25.0	26.5	30.6	106	122	67.0-149			14.4	20
4-Methyl-2-pentanone (MIBK)	25.0	28.9	33.4	116	134	68.0-142			14.4	20
Acetone	25.0	29.8	36.8	119	147	19.0-160			21.0	27
Acrylonitrile	25.0	28.1	30.3	112	121	55.0-149			7.53	20
Benzene	5.00	4.78	5.48	95.6	110	70.0-123			13.6	20
Bromochloromethane	5.00	5.16	5.63	103	113	76.0-122			8.71	20
Bromodichloromethane	5.00	5.00	5.77	100	115	75.0-120			14.3	20
Bromoform	5.00	4.69	5.14	93.8	103	68.0-132			9.16	20
Bromomethane	5.00	5.00	5.78	100	116	10.0-160			14.5	25

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

(LCS) R3985695-1 10/09/23 22:05 • (LCSD) R3985695-2 10/09/23 22:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Carbon disulfide	5.00	3.77	4.44	75.4	88.8	61.0-128			16.3	20
Carbon tetrachloride	5.00	5.13	6.04	103	121	68.0-126			16.3	20
Chlorobenzene	5.00	4.71	5.57	94.2	111	80.0-121			16.7	20
Chloroethane	5.00	4.76	4.96	95.2	99.2	47.0-150			4.12	20
Chloroform	5.00	4.98	5.67	99.6	113	73.0-120			13.0	20
Chloromethane	5.00	5.59	6.52	112	130	41.0-142			15.4	20
Dibromochloromethane	5.00	4.80	5.73	96.0	115	77.0-125			17.7	20
Dibromomethane	5.00	4.94	5.62	98.8	112	80.0-120			12.9	20
Ethylbenzene	5.00	4.86	5.61	97.2	112	79.0-123			14.3	20
Iodomethane	25.0	24.4	28.0	97.6	112	33.0-147			13.7	26
Methylene Chloride	5.00	4.34	4.72	86.8	94.4	67.0-120			8.39	20
Styrene	5.00	4.61	5.20	92.2	104	73.0-130			12.0	20
Tetrachloroethene	5.00	4.37	4.94	87.4	98.8	72.0-132			12.2	20
Toluene	5.00	4.45	5.11	89.0	102	79.0-120			13.8	20
Trichloroethene	5.00	4.54	5.33	90.8	107	78.0-124			16.0	20
Trichlorofluoromethane	5.00	5.40	6.13	108	123	59.0-147			12.7	20
Vinyl acetate	25.0	24.8	29.4	99.2	118	11.0-160			17.0	20
Vinyl chloride	5.00	5.02	5.88	100	118	67.0-131			15.8	20
Xylenes, Total	15.0	15.1	17.4	101	116	79.0-123			14.2	20
cis-1,2-Dichloroethene	5.00	4.62	5.37	92.4	107	73.0-120			15.0	20
cis-1,3-Dichloropropene	5.00	4.88	5.44	97.6	109	80.0-123			10.9	20
trans-1,2-Dichloroethene	5.00	4.57	5.22	91.4	104	73.0-120			13.3	20
trans-1,3-Dichloropropene	5.00	4.98	5.66	99.6	113	78.0-124			12.8	20
trans-1,4-Dichloro-2-butene	5.00	5.82	6.58	116	132	33.0-144			12.3	20
(S) 1,2-Dichloroethane-d4				*115*	*115*	*70.0-130*				
(S) 4-Bromofluorobenzene				*110*	*108*	*77.0-126*				
(S) Toluene-d8				*98.1*	*97.2*	*80.0-120*				

Method Blank (MB)

(MB) R3984708-1 10/10/23 15:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
2,4,5-T	ND		0.843	2.00
2,4,5-Tp (Silvex)	ND		0.845	2.00
2,4-D	ND		0.744	2.00
(S) 2,4-Dichlorophenyl Acetic Acid	*55.8*			*14.0-158*

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

(LCS) R3984708-2 10/10/23 15:47 • (LCSD) R3984708-3 10/10/23 15:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,4,5-T	5.00	3.53	4.33	70.6	86.6	54.0-120	P	J3 P	20.4	20
2,4,5-Tp (Silvex)	5.00	2.68	3.39	53.6	67.8	50.0-125		J3	23.4	20
2,4-D	5.00	3.39	4.33	67.8	86.6	50.0-120		J3 P	24.4	20
(S) 2,4-Dichlorophenyl Acetic Acid				*52.2*	*67.8*	*14.0-158*				

Method Blank (MB)

(MB) R3984938-1 10/08/23 21:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4,4-DDD	ND		0.0170	0.0500
4,4-DDE	ND		0.0154	0.0500
4,4-DDT	ND		0.0177	0.0500
Aldrin	ND		0.00813	0.0500
Alpha BHC	ND		0.0166	0.0500
Beta BHC	ND		0.0184	0.0500
Chlordane	ND		0.0198	0.500
Delta BHC	ND		0.0150	0.0500
Dieldrin	ND		0.00751	0.0500
Endosulfan I	ND		0.0160	0.0500
Endosulfan II	ND		0.0164	0.0500
Endosulfan sulfate	ND		0.0196	0.0500
Endrin	ND		0.0161	0.0500
Endrin aldehyde	ND		0.0142	0.0500
Gamma BHC	ND		0.0176	0.0500
Heptachlor	ND		0.0108	0.0500
Heptachlor epoxide	ND		0.0175	0.0500
Methoxychlor	ND		0.0193	0.0500
Toxaphene	ND		0.168	0.500
(S) Decachlorobiphenyl	*22.0*			*10.0-128*
(S) Tetrachloro-m-xylene	*73.5*			*10.0-127*

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

(LCS) R3984938-4 10/08/23 21:15 • (LCSD) R3984938-5 10/08/23 21:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4,4-DDD	1.00	0.946	0.948	94.6	94.8	56.0-140			0.211	22
4,4-DDE	1.00	0.848	0.815	84.8	81.5	52.0-128			3.97	22
4,4-DDT	1.00	0.910	0.870	91.0	87.0	50.0-141			4.49	23
Aldrin	1.00	0.838	0.816	83.8	81.6	22.0-124			2.66	34
Alpha BHC	1.00	0.958	0.984	95.8	98.4	54.0-130			2.68	23
Beta BHC	1.00	0.987	1.01	98.7	101	53.0-136			2.30	20
Delta BHC	1.00	0.954	0.974	95.4	97.4	54.0-133			2.07	20
Dieldrin	1.00	0.913	0.924	91.3	92.4	59.0-133			1.20	20
Endosulfan I	1.00	0.906	0.920	90.6	92.0	57.0-131			1.53	20
Endosulfan II	1.00	0.914	0.938	91.4	93.8	58.0-133			2.59	20
Endosulfan sulfate	1.00	0.870	0.901	87.0	90.1	58.0-133			3.50	21
Endrin	1.00	0.964	0.975	96.4	97.5	57.0-134			1.13	21

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

(LCS) R3984938-4 10/08/23 21:15 • (LCSD) R3984938-5 10/08/23 21:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Endrin aldehyde	1.00	0.898	0.933	89.8	93.3	53.0-129			3.82	20
Gamma BHC	1.00	0.957	0.978	95.7	97.8	55.0-129			2.17	20
Heptachlor	1.00	0.937	0.933	93.7	93.3	27.0-132			0.428	31
Heptachlor epoxide	1.00	0.917	0.931	91.7	93.1	57.0-130			1.52	20
Methoxychlor	1.00	0.949	0.953	94.9	95.3	54.0-155			0.421	24
(S) Decachlorobiphenyl				*61.3*	*29.4*	*10.0-128*				
(S) Tetrachloro-m-xylene				*77.9*	*76.1*	*10.0-127*				

Method Blank (MB)

(MB) R3984938-1 10/08/23 21:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
PCB 1016	ND		0.100	0.500
PCB 1221	ND		0.0730	0.500
PCB 1232	ND		0.0420	0.500
PCB 1242	ND		0.0470	0.500
PCB 1248	ND		0.0860	0.500
PCB 1254	ND		0.0470	0.500
PCB 1260	ND		0.120	0.500
(S) Decachlorobiphenyl	*26.0*			*10.0-128*
(S) Tetrachloro-m-xylene	*82.4*			*10.0-127*

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

(LCS) R3984938-2 10/08/23 21:32 • (LCSD) R3984938-3 10/08/23 21:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
PCB 1016	2.50	2.43	2.18	97.2	87.2	36.0-135			10.8	29
PCB 1260	2.50	2.27	1.90	90.8	76.0	42.0-131			17.7	25
(S) Decachlorobiphenyl				*67.6*	*55.6*	*10.0-128*				
(S) Tetrachloro-m-xylene				*87.6*	*77.8*	*10.0-127*				

Method Blank (MB)

(MB) R3986579-2 10/12/23 11:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,4,5-Tetrachlorobenzene	ND		2.41	10.0
1,2,4-Trichlorobenzene	ND		0.355	10.0
2,2-Oxybis(1-Chloropropane)	ND		0.445	10.0
2,3,4,6-Tetrachlorophenol	ND		2.00	10.0
2,4,5-Trichlorophenol	ND		0.236	10.0
2,4,6-Trichlorophenol	ND		0.297	10.0
2,4-Dichlorophenol	ND		0.284	10.0
2,4-Dimethylphenol	ND		0.624	10.0
2,4-Dinitrophenol	ND		3.25	10.0
2,4-Dinitrotoluene	ND		1.65	10.0
2,6-Dinitrotoluene	ND		0.279	10.0
2-Chloronaphthalene	ND		0.330	1.00
2-Chlorophenol	ND		0.283	10.0
2-Methylnaphthalene	ND		0.311	1.00
2-Methylphenol	ND		0.312	10.0
2-Nitroaniline	ND		1.90	10.0
2-Nitrophenol	ND		0.320	10.0
3&4-Methyl Phenol	ND		0.266	10.0
3,3-Dichlorobenzidine	ND		2.02	10.0
3-Nitroaniline	ND		0.308	10.0
4,6-Dinitro-2-methylphenol	ND		2.62	10.0
4-Bromophenyl-phenylether	ND		0.335	10.0
4-Chloro-3-methylphenol	ND		0.263	10.0
4-Chloroaniline	ND		0.382	10.0
4-Chlorophenyl-phenylether	ND		0.303	10.0
4-Nitroaniline	ND		0.349	10.0
4-Nitrophenol	ND		2.01	10.0
Acenaphthene	ND		0.316	1.00
Acenaphthylene	ND		0.309	1.00
Acetophenone	ND		2.71	10.0
Anthracene	ND		0.291	1.00
Benzo(A)Anthracene	ND		0.0975	1.00
Benzo(a)pyrene	ND		0.340	1.00
Benzo(b)fluoranthene	ND		0.0896	1.00
Benzo(g,h,i)perylene	ND		0.161	1.00
Benzo(k)fluoranthene	ND		0.355	1.00
Benzyl Alcohol	ND		0.393	10.0
Benzylbutyl phthalate	ND		0.275	3.00
Bis(2-Ethylhexyl)phthalate	ND		0.709	3.00
Bis(2-chlorethoxy)methane	ND		0.329	10.0

Method Blank (MB)

(MB) R3986579-2 10/12/23 11:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bis(2-chloroethyl)ether	ND		1.62	10.0
Chrysene	ND		0.332	1.00
Di-n-butyl phthalate	ND		0.266	3.00
Di-n-octyl phthalate	ND		0.278	3.00
Dibenz(a,h)anthracene	ND		0.279	1.00
Dibenzofuran	ND		0.338	10.0
Diethyl phthalate	ND		0.282	3.00
Dimethyl phthalate	ND		0.283	3.00
Diphenylamine	ND		1.19	10.0
Fluoranthene	ND		0.310	1.00
Fluorene	ND		0.323	1.00
Hexachloro-1,3-butadiene	ND		0.329	10.0
Hexachlorobenzene	ND		0.341	1.00
Hexachlorocyclopentadiene	ND		2.33	10.0
Hexachloroethane	ND		0.365	10.0
Indeno(1,2,3-cd)pyrene	ND		0.279	1.00
Isophorone	ND		0.272	10.0
Naphthalene	ND		0.372	1.00
Nitrobenzene	ND		0.367	10.0
Pentachlorophenol	ND		0.313	10.0
Phenanthrene	ND		0.366	1.00
Phenol	ND		0.334	10.0
Pyrene	ND		0.330	1.00
n-Nitrosodi-n-propylamine	ND		0.403	10.0
n-Nitrosodimethylamine	ND		1.26	10.0
n-Nitrosodiphenylamine	ND		1.19	10.0
(S) Phenol-d5	*18.9*			*10.0-120*
(S) 2,4,6-Tribromophenol	*46.8*			*10.0-155*
(S) p-Terphenyl-d14	*64.9*			*10.0-128*
(S) Nitrobenzene-d5	*53.8*			*10.0-127*
(S) 2-Fluorobiphenyl	*55.1*			*10.0-130*
(S) 2-Fluorophenol	*28.1*			*10.0-120*

Method Blank (MB)

(MB) R3987287-2 10/13/23 19:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,3,5-Trinitrobenzene	ND		1.32	10.0
1,3-Dinitrobenzene	ND		0.359	10.0
1,4-Naphthoquinone	ND		5.56	50.0
1-Naphthylamine	ND		0.289	10.0
2,6-Dichlorophenol	ND		2.77	10.0
2-Acetylaminofluorene	ND		0.253	10.0
2-Naphthylamine	ND		0.195	10.0
3,3-Dimethylbenzidine	ND		3.39	10.0
3-Methylcholanthrene	ND		0.164	10.0
4-Aminobiphenyl	ND		0.461	10.0
5-Nitro-o-toluidine	ND		1.99	10.0
Chlorobenzilate	ND		1.33	50.0
Diallate	ND		0.524	10.0
Dimethoate	ND		1.44	50.0
Dimethylbenz (A) Anthracene	ND		1.71	10.0
Dinoseb	ND		17.9	50.0
Diphenylamine	ND		1.19	10.0
Disulfoton	ND		0.267	10.0
Ethyl methanesulfonate	ND		0.326	10.0
Ethyl parathion	ND		0.379	10.0
Famphur	ND		1.06	20.0
Hexachloropropene	ND		0.149	50.0
Isodrin	ND		0.293	10.0
Isosafrole	ND		0.409	10.0
Kepone	ND		1.88	20.0
Methapyrilene	ND		4.25	50.0
Methyl methanesulfonate	ND		0.647	50.0
Methyl parathion	ND		0.213	10.0
O,O,O-Triethyl Phosphorothioate	ND		0.537	10.0
P-(Dimethylamino) Azobenzene	ND		0.208	10.0
Pentachlorobenzene	ND		0.369	10.0
Pentachloronitrobenzene	ND		0.327	10.0
Phenacetin	ND		0.262	10.0
Phorate	ND		0.382	50.0
Pronamide	ND		0.265	10.0
Safrole	ND		0.259	10.0
Thionazin	ND		0.204	10.0
n-Nitrosodi-n-butylamine	ND		0.331	10.0
n-Nitrosodiethylamine	ND		0.497	10.0

Method Blank (MB)

(MB) R3987287-2 10/13/23 19:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
n-Nitrosomethylethylamine	ND		1.71	10.0
n-Nitrosopiperidine	ND		0.268	10.0
n-Nitrosopyrrolidine	ND		2.55	10.0
o-Toluidine	ND		0.362	10.0
p-Phenylenediamine	ND		387	6900

Laboratory Control Sample (LCS)

(LCS) R3986579-1 10/12/23 11:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,4,5-Tetrachlorobenzene	50.0	28.3	56.6	31.0-121	
1,2,4-Trichlorobenzene	50.0	21.7	43.4	24.0-120	
2,2-Oxybis(1-Chloropropane)	50.0	29.5	59.0	28.0-120	
2,3,4,6-Tetrachlorophenol	50.0	30.8	61.6	42.0-132	
2,4,5-Trichlorophenol	50.0	29.8	59.6	44.0-120	
2,4,6-Trichlorophenol	50.0	29.4	58.8	42.0-120	
2,4-Dichlorophenol	50.0	23.2	46.4	36.0-120	
2,4-Dimethylphenol	50.0	25.1	50.2	33.0-120	
2,4-Dinitrophenol	50.0	36.9	73.8	10.0-120	
2,4-Dinitrotoluene	50.0	34.0	68.0	49.0-124	
2,6-Dinitrotoluene	50.0	34.4	68.8	46.0-120	
2-Chloronaphthalene	50.0	29.3	58.6	37.0-120	
2-Chlorophenol	50.0	24.1	48.2	25.0-120	
2-Methylnaphthalene	50.0	25.1	50.2	33.0-120	
2-Methylphenol	50.0	21.9	43.8	28.0-120	
2-Nitroaniline	50.0	33.2	66.4	43.0-120	
2-Nitrophenol	50.0	30.7	61.4	31.0-120	
3&4-Methyl Phenol	50.0	22.3	44.6	31.0-120	
3,3-Dichlorobenzidine	100	65.4	65.4	44.0-120	
3-Nitroaniline	50.0	30.9	61.8	38.0-120	
4,6-Dinitro-2-methylphenol	50.0	38.5	77.0	38.0-138	
4-Bromophenyl-phenylether	50.0	35.0	70.0	45.0-120	
4-Chloro-3-methylphenol	50.0	23.4	46.8	40.0-120	
4-Chloroaniline	50.0	22.2	44.4	25.0-120	
4-Chlorophenyl-phenylether	50.0	32.1	64.2	44.0-120	
4-Nitroaniline	50.0	30.1	60.2	18.0-160	
4-Nitrophenol	50.0	10.3	20.6	10.0-120	
Acenaphthene	50.0	30.7	61.4	41.0-120	

Laboratory Control Sample (LCS)

(LCS) R3986579-1 10/12/23 11:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthylene	50.0	29.6	59.2	43.0-120	
Acetophenone	50.0	33.5	67.0	29.0-120	
Anthracene	50.0	32.7	65.4	45.0-120	
Benzo(A)Anthracene	50.0	35.0	70.0	47.0-120	
Benzo(a)pyrene	50.0	32.7	65.4	47.0-120	
Benzo(b)fluoranthene	50.0	34.3	68.6	46.0-120	
Benzo(g,h,i)perylene	50.0	29.2	58.4	48.0-121	
Benzo(k)fluoranthene	50.0	33.9	67.8	46.0-120	
Benzyl Alcohol	50.0	22.9	45.8	25.0-120	
Benzylbutyl phthalate	50.0	39.7	79.4	43.0-121	
Bis(2-Ethylhexyl)phthalate	50.0	35.9	71.8	43.0-122	
Bis(2-chlorethoxy)methane	50.0	28.5	57.0	33.0-120	
Bis(2-chloroethyl)ether	50.0	30.8	61.6	23.0-120	
Chrysene	50.0	33.6	67.2	48.0-120	
Di-n-butyl phthalate	50.0	40.6	81.2	49.0-121	
Di-n-octyl phthalate	50.0	35.7	71.4	42.0-125	
Dibenz(a,h)anthracene	50.0	31.8	63.6	47.0-120	
Dibenzofuran	50.0	29.6	59.2	44.0-120	
Diethyl phthalate	50.0	34.6	69.2	48.0-122	
Dimethyl phthalate	50.0	32.9	65.8	48.0-120	
Diphenylamine	50.0	31.4	62.8	35.0-120	
Fluoranthene	50.0	34.4	68.8	51.0-120	
Fluorene	50.0	31.6	63.2	47.0-120	
Hexachloro-1,3-butadiene	50.0	23.1	46.2	19.0-120	
Hexachlorobenzene	50.0	33.3	66.6	44.0-120	
Hexachlorocyclopentadiene	50.0	20.0	40.0	15.0-120	
Hexachloroethane	50.0	28.4	56.8	15.0-120	
Indeno(1,2,3-cd)pyrene	50.0	29.2	58.4	49.0-122	
Isophorone	50.0	27.8	55.6	36.0-120	
Naphthalene	50.0	24.9	49.8	27.0-120	
Nitrobenzene	50.0	27.8	55.6	27.0-120	
Pentachlorophenol	50.0	25.2	50.4	23.0-120	
Phenanthrene	50.0	33.4	66.8	46.0-120	
Phenol	50.0	12.0	24.0	10.0-120	
Pyrene	50.0	34.8	69.6	47.0-120	
n-Nitrosodi-n-propylamine	50.0	33.9	67.8	31.0-120	
n-Nitrosodimethylamine	50.0	18.0	36.0	10.0-120	
n-Nitrosodiphenylamine	50.0	31.4	62.8	47.0-120	
(S) Phenol-d5			*22.0*	*10.0-120*	
(S) 2,4,6-Tribromophenol			*61.5*	*10.0-155*	

Laboratory Control Sample (LCS)

(LCS) R3986579-1 10/12/23 11:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			*66.9*	*10.0-128*	
(S) Nitrobenzene-d5			*51.8*	*10.0-127*	
(S) 2-Fluorobiphenyl			*54.6*	*10.0-130*	
(S) 2-Fluorophenol			*29.6*	*10.0-120*	

Laboratory Control Sample (LCS)

(LCS) R3987287-1 10/13/23 19:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,3,5-Trinitrobenzene	50.0	39.8	79.6	37.0-147	
1,3-Dinitrobenzene	50.0	33.0	66.0	34.0-120	
1,4-Naphthoquinone	50.0	5.87	11.7	50.0-150	J4
1-Naphthylamine	50.0	25.0	50.0	19.0-120	
2,6-Dichlorophenol	50.0	23.1	46.2	19.0-136	
2-Acetylaminofluorene	50.0	32.0	64.0	32.0-120	
2-Naphthylamine	50.0	18.5	37.0	10.0-120	
3,3-Dimethylbenzidine	50.0	3.15	6.30	13.0-120	J4
3-Methylcholanthrene	50.0	36.2	72.4	30.0-160	
4-Aminobiphenyl	50.0	27.3	54.6	20.0-120	
5-Nitro-o-toluidine	50.0	34.2	68.4	34.0-120	
Chlorobenzilate	50.0	40.9	81.8	29.0-128	
Diallate	50.0	33.2	66.4	30.0-120	
Dimethoate	50.0	28.6	57.2	11.0-134	
Dimethylbenz (A) Anthracene	50.0	30.8	61.6	14.0-124	
Dinoseb	50.0	34.5	69.0	39.0-120	
Diphenylamine	50.0	31.0	62.0	35.0-120	
Disulfoton	50.0	34.7	69.4	32.0-120	
Ethyl methanesulfonate	50.0	24.4	48.8	10.0-120	
Ethyl parathion	50.0	36.5	73.0	46.0-130	
Famphur	50.0	37.6	75.2	32.0-120	
Hexachloropropene	50.0	22.6	45.2	10.0-120	
Isodrin	50.0	28.9	57.8	22.0-157	
Isosafrole	50.0	28.4	56.8	25.0-133	
Kepone	50.0	17.8	35.6	10.0-120	
Methapyrilene	50.0	5.76	11.5	10.0-120	
Methyl methanesulfonate	50.0	20.7	41.4	10.0-120	
Methyl parathion	50.0	43.8	87.6	42.0-120	
O,O,O-Triethyl Phosphorothioate	50.0	27.0	54.0	11.0-135	

Laboratory Control Sample (LCS)

(LCS) R3987287-1 10/13/23 19:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
P-(Dimethylamino) Azobenzene	50.0	29.3	58.6	27.0-120	
Pentachlorobenzene	50.0	30.1	60.2	25.0-120	
Pentachloronitrobenzene	50.0	34.9	69.8	34.0-132	
Phenacetin	50.0	30.4	60.8	34.0-127	
Phorate	50.0	37.8	75.6	13.0-160	
Pronamide	50.0	37.9	75.8	38.0-130	
Safrole	50.0	26.5	53.0	21.0-120	
Thionazin	50.0	34.9	69.8	38.0-121	
n-Nitrosodi-n-butylamine	50.0	28.8	57.6	13.0-143	
n-Nitrosodiethylamine	50.0	23.1	46.2	10.0-120	
n-Nitrosomethylethylamine	50.0	19.7	39.4	10.0-120	
n-Nitrosopiperidine	50.0	23.3	46.6	10.0-160	
n-Nitrosopyrrolidine	50.0	23.7	47.4	10.0-124	
o-Toluidine	50.0	19.3	38.6	10.0-120	
p-Phenylenediamine	50.0	0.000	0.000	50.0-150	J4

L1663622-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663622-23 10/12/23 13:22 • (MS) R3986579-3 10/12/23 13:44 • (MSD) R3986579-4 10/12/23 14:06

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2,4,5-Tetrachlorobenzene	45.5	ND	21.2	24.7	46.6	51.9	1	19.0-122			15.3	32
1,2,4-Trichlorobenzene	45.5	ND	17.1	18.8	37.6	39.5	1	15.0-120			9.47	31
2,2-Oxybis(1-Chloropropane)	45.5	ND	24.2	26.4	53.2	55.5	1	18.0-120			8.70	34
2,3,4,6-Tetrachlorophenol	45.5	ND	ND	ND	46.6	58.2	1	17.0-142			26.6	34
2,4,5-Trichlorophenol	45.5	ND	18.6	25.6	40.9	53.8	1	33.0-120		J3	31.7	31
2,4,6-Trichlorophenol	45.5	ND	17.3	24.3	38.0	51.1	1	26.0-120		J3	33.7	31
2,4-Dichlorophenol	45.5	ND	13.2	18.7	29.0	39.3	1	19.0-120		J3	34.5	27
2,4-Dimethylphenol	45.5	ND	11.8	20.9	25.9	43.9	1	15.0-120		J3	55.7	28
2,4-Dinitrophenol	45.5	ND	ND	ND	56.0	68.1	1	10.0-120			23.8	40
2,4-Dinitrotoluene	45.5	ND	27.6	29.2	60.7	61.3	1	39.0-125			5.63	25
2,6-Dinitrotoluene	45.5	ND	27.9	29.4	61.3	61.8	1	36.0-120			5.24	27
2-Chloronaphthalene	45.5	ND	22.6	25.2	49.7	52.9	1	29.0-120			10.9	28
2-Chlorophenol	45.5	ND	15.0	20.3	33.0	42.6	1	18.0-120			30.0	34
2-Methylnaphthalene	45.5	ND	18.9	21.0	41.5	44.1	1	17.0-120			10.5	28
2-Methylphenol	45.5	ND	13.5	18.9	29.7	39.7	1	10.0-120		J3	33.3	30
2-Nitroaniline	45.5	ND	ND	ND	60.9	63.0	1	33.0-120			7.97	27
2-Nitrophenol	45.5	ND	18.4	24.2	40.4	50.8	1	20.0-120			27.2	30
3&4-Methyl Phenol	45.5	ND	14.1	19.2	31.0	40.3	1	10.0-120			30.6	36

L1663622-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663622-23 10/12/23 13:22 • (MS) R3986579-3 10/12/23 13:44 • (MSD) R3986579-4 10/12/23 14:06

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
3,3-Dichlorobenzidine	91.0	ND	52.6	56.1	57.8	58.9	1	10.0-134			6.44	30
3-Nitroaniline	45.5	ND	ND	ND	54.7	59.2	1	20.0-120			12.4	27
4,6-Dinitro-2-methylphenol	45.5	ND	ND	ND	61.1	68.7	1	10.0-144			16.2	39
4-Bromophenyl-phenylether	45.5	ND	ND	ND	57.8	61.6	1	37.0-120			10.8	24
4-Chloro-3-methylphenol	45.5	ND	13.7	19.7	30.1	41.4	1	26.0-120		J3	35.9	27
4-Chloroaniline	45.5	ND	15.7	18.7	34.5	39.3	1	10.0-120			17.4	31
4-Chlorophenyl-phenylether	45.5	ND	24.2	26.6	53.2	55.9	1	36.0-120			9.45	23
4-Nitroaniline	45.5	ND	ND	ND	51.4	56.1	1	10.0-160			13.2	26
4-Nitrophenol	45.5	ND	ND	ND	17.3	17.6	1	10.0-120			6.04	40
Acenaphthene	45.5	ND	23.4	26.6	51.4	55.9	1	28.0-120			12.8	25
Acenaphthylene	45.5	ND	23.1	25.7	50.8	54.0	1	31.0-121			10.7	25
Acetophenone	45.5	ND	27.0	30.2	59.3	63.4	1	20.0-120			11.2	35
Anthracene	45.5	ND	26.2	27.6	57.6	58.0	1	36.0-120			5.20	23
Benzo(A)Anthracene	45.5	ND	24.8	28.4	54.5	59.7	1	39.0-120			13.5	23
Benzo(a)pyrene	45.5	ND	21.0	25.4	46.2	53.4	1	37.0-120			19.0	24
Benzo(b)fluoranthene	45.5	ND	22.2	26.4	48.8	55.5	1	37.0-120			17.3	23
Benzo(g,h,i)perylene	45.5	ND	17.6	21.7	38.7	45.6	1	37.0-123			20.9	25
Benzo(k)fluoranthene	45.5	ND	22.1	26.1	48.6	54.8	1	37.0-120			16.6	26
Benzyl Alcohol	45.5	ND	17.7	21.1	38.9	44.3	1	14.0-120			17.5	38
Benzylbutyl phthalate	45.5	ND	31.0	34.3	68.1	72.1	1	34.0-126			10.1	24
Bis(2-Ethylhexyl)phthalate	45.5	ND	21.7	26.5	47.7	55.7	1	33.0-126			19.9	25
Bis(2-chlorethoxy)methane	45.5	ND	23.3	25.6	51.2	53.8	1	17.0-120			9.41	31
Bis(2-chloroethyl)ether	45.5	ND	27.5	31.6	60.4	66.4	1	14.0-120			13.9	33
Chrysene	45.5	ND	23.9	27.3	52.5	57.4	1	38.0-120			13.3	23
Di-n-butyl phthalate	45.5	ND	32.2	33.5	70.8	70.4	1	35.0-128			3.96	23
Di-n-octyl phthalate	45.5	ND	21.2	26.0	46.6	54.6	1	25.0-135			20.3	26
Dibenz(a,h)anthracene	45.5	ND	ND	23.5	41.3	49.4	1	36.0-121			22.2	24
Dibenzofuran	45.5	ND	22.9	25.9	50.3	54.4	1	32.0-120			12.3	26
Diethyl phthalate	45.5	ND	29.3	30.1	64.4	63.2	1	39.0-125			2.69	24
Dimethyl phthalate	45.5	ND	26.1	28.4	57.4	59.7	1	37.0-120			8.44	24
Diphenylamine	45.5	ND	26.0	26.6	57.1	55.9	1	35.0-120			2.28	30
Fluoranthene	45.5	ND	27.5	28.5	60.4	59.9	1	41.0-121			3.57	22
Fluorene	45.5	ND	23.4	26.1	51.4	54.8	1	37.0-120			10.9	24
Hexachloro-1,3-butadiene	45.5	ND	17.3	19.6	38.0	41.2	1	12.0-120			12.5	34
Hexachlorobenzene	45.5	ND	25.3	28.1	55.6	59.0	1	35.0-122			10.5	24
Hexachlorocyclopentadiene	45.5	ND	ND	ND	24.2	37.0	1	10.0-120		J3	46.2	33
Hexachloroethane	45.5	ND	22.0	24.2	48.4	50.8	1	10.0-120			9.52	40
Indeno(1,2,3-cd)pyrene	45.5	ND	17.2	21.5	37.8	45.2	1	38.0-125	J6		22.2	24
Isophorone	45.5	ND	21.8	24.4	47.9	51.3	1	21.0-120			11.3	27
Naphthalene	45.5	ND	19.2	21.2	42.2	44.5	1	10.0-120			9.90	31

L1663622-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1663622-23 10/12/23 13:22 • (MS) R3986579-3 10/12/23 13:44 • (MSD) R3986579-4 10/12/23 14:06

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrobenzene	45.5	ND	22.6	24.1	49.7	50.6	1	12.0-120			6.42	30
Pentachlorophenol	45.5	ND	ND	ND	42.4	47.7	1	10.0-128			16.2	37
Phenanthrene	45.5	ND	26.1	27.8	57.4	58.4	1	33.0-120			6.31	22
Phenol	45.5	ND	11.4	10.6	25.1	22.3	1	10.0-120			7.27	40
Pyrene	45.5	ND	28.0	30.1	61.5	63.2	1	39.0-120			7.23	22
n-Nitrosodi-n-propylamine	45.5	ND	26.7	30.6	58.7	64.3	1	16.0-120			13.6	30
n-Nitrosodimethylamine	45.5	ND	16.2	17.5	35.6	36.8	1	10.0-120			7.72	40
n-Nitrosodiphenylamine	45.5	ND	26.0	26.6	57.1	55.9	1	37.0-120			2.28	24
(S) Phenol-d5					*18.6*	*20.0*		*10.0-120*				
(S) 2,4,6-Tribromophenol					*43.7*	*53.2*		*10.0-155*				
(S) p-Terphenyl-d14					*50.8*	*56.9*		*10.0-128*				
(S) Nitrobenzene-d5					*45.8*	*46.5*		*10.0-127*				
(S) 2-Fluorobiphenyl					*47.3*	*48.6*		*10.0-130*				
(S) 2-Fluorophenol					*23.3*	*27.2*		*10.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P	RPD between the primary and confirmatory analysis exceeded 40%.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8081/8082 100ml Amb-NoPres	8270AP9 100ml Amb NoPres	CHLORIDE 125mlHDPE-NoPres	CHLORIDE,SULFATE 125mlHDPE-NoPres	CN 250mlHDPEAmb-NaOH	Metals 250mlHDPE-HNO3	NH3 250mlHDPE-H2SO4	SULFIDE 250mlAmb-S-NaOH+ZnAc	SV8151 1L-Amb-No Pres	TDS 1L-HDPE NoPres	Remarks	Sample # (lab only)
~~LCS-9~~		GW				2			X				X					
~~LCS-10~~		GW				2			X				X					
~~LCS-11~~		GW				2			X				X					
~~LCS-12~~		GW				2			X				X					
DUP	Grab	GW	77.77	10.3.23	0700	8				X		X	X			X		-01
DUP2		GW	77.77	10.4.23	0700	8				X		X	X			X		-02
LGW-2		GW	73.95	10.4.23	1125	3			X				X					-03
LGW-3R		GW	58.90	10.4.23	1050	2			X				X					-04
LGW-4		GW	61.15	10.4.23	1015	3			X				X					-05
LGW-5		GW	72.00	10.5.23	1000	16	X	X		X	X	X	X	X	X	X		-06

Analysis / Container / Preservative

Chain of Custody Page 1 of 4

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 # L1663702
E051
Acctnum: WMECOVISAR
Template: T238606
Prelogin: P1026525
PM: 616 - Stacy Kennedy
PB: 9/26
Shipped Via: FedEx Ground

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	10.5.23	1200		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 0.1+0-0.1	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Hana Mwenwa	Date: 10.6	Time: 0900

Hold: PH-10BDH4321 TRC-2352362 CR6-20221V PH-10BDH4321 TRC-2352362 CR6-20221V

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

Analysis / Container / Preservative

Chain of Custody Page 2 of 4

Pace® PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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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-00013

Collected by (print): Chris Fincher

Site/Facility ID # AR03

P.O. #

Collected by (signature): [signature]

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

Immediately Packed on Ice N ___ Y X

SDG # L1663702

Table #

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

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)
~~LGW-6~~		GW				16	X			X								
~~LGW-7~~		GW				4	X											
~~LGW-8R~~		GW				4	X											
~~LGW-9~~		GW				16	X			X								
~~LGW-10~~		GW				16	X			X								
~~LGW-14R~~		GW				2												
MW-7N	Grab	GW	88.7	10.4.23	1645	3	X											-07
MW-15	↓	GW	58.85	10.4.23	1225	2												-08
MW-16	↓	GW	75.45	10.4.23	1300	2												-09
MW-17	↓	GW	60.50	10.3.23	1740	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 #

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	
[signature]	10.5.23	1200			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C 0.1+0=0.1 Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Hana Minchew	Date: 10.6 Time: 0900	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 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 3 of 4

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 # L1603702

Table #

Acctnum: **WMECOVISAR**
Template: **T238606**
Prelogin: **P1026525**
PM: **616 - Stacy Kennedy**
PB: 9/20/23 TJ

Shipped Via: **FedEX Ground**

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)
MW-19	Grab	GW	68.55	10.4.23	1500	2							-11
NE-1		GW	49.95	10.5.23	0900	7		X	X				-12
NE-2		GW	21.75	10.4.23	0825	7		X	X				-13
NE-4		GW	65.00	10.4.23	1345	7		X	X				-14
NE-5		GW	72.20	10.4.23	1845	7		X	X				-15
NE-5E		GW	69.25	10.4.23	1815	7		X	X				-16
NE-5W		GW	73.55	10.4.23	1920	7		X	X				-17
NE-6D		GW	34.20	10.4.23	1735	7		X	X				-18
NE-10D		GW	101.9	10.3.23	1900	7		X	X				-19
NE-14D		GW	17.90	10.4.23	1555	7		X	X				-20

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

Remarks:

pH ____ Temp ____

Flow ____ Other ____

Samples returned via:
__ UPS __ FedEx __ Courier ____

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Chris Fincher	10.5.23	1200		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
				0-1 to 0-1	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: / Condition: NCF / OK
			Hanna Mwechima	10.6 0700	

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 Finder

Site/Facility ID # **AR03**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative

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SDG # L1663702

Table #

Acctnum: **WMECOVISAR**
Template: **T238606**
Prelogin: **P1026525**
PM: **616 - Stacy Kennedy**
PB: 6/26/23 TJS

Shipped Via: **FedEX Ground**

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)
NE-14S	Grab	GW	19.75	10.4.23	0740	7		X	X				-21
~~NE-15D~~		GW				7		X	X				
~~NE-15S~~		GW				7		X	X				
~~MW-3N~~		GW				7	X		X				
~~MW-8N~~		GW				15	X			X			
~~MW-21~~		GW				7	X		X				
~~NE-9~~		GW				7	X		X				
FB	Grab	GW	N/A	10.3.23	1730	8		X	X				-22
TRIP BLANK		GW				3					X		-23
		GW				7		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 #

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
	10.5.23	1200		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.1 °C Bottles Received: 0.1	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10.6 Time: 0900	Hold: Condition: NCF / OK