

Karen Blue (adpce.ad)

From: Travis Doll <travis.doll@jettenviro.com>
Sent: Friday, August 18, 2023 1:00 PM
To: gwreports
Cc: Reynolds, Jodi; Steve Jett P.G.; Ciara Childers Beavers
Subject: July 2023 Monthly Sampling Event Report, Eco-Vista Class 1 Landfill, Solid Waste Permit No. 0290-S1-R3

On behalf of Eco-Vista, LLC, Jett Environmental Consulting is submitting the July 2023 Monthly Sampling Event Report for the Eco-Vista Class 1 Landfill. Please access the link below to download the report.

<https://drive.google.com/file/d/1MvO1CF12YewVV8MnB2QPieO2HD62JbTe/view?usp=sharing>

If you have any questions or comments regarding this submittal, please do not hesitate to contact us.

Sincerely,

Travis Doll, P.G.
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August 18, 2023

Submitted via Electronic Mail

Mr. Tyler Wright
Geologist
Arkansas Department of Energy and Environment
Division of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118

**Re: July 2023 Monthly Indicator Parameter Monitoring Report
Eco-Vista Landfill, LLC, Class 1 Landfill
AFIN: 72-00144, Permit No.: 0290-S1-R3**

Dear Mr. Wright:

Jett Environmental Consulting is pleased to present the results of the July 2023 monthly indicator parameter monitoring event for the Eco-Vista Landfill, LLC to the Arkansas Department of Energy and Environment, Division of Environmental Quality (DEQ). In accordance with the Eco-Vista Landfill (Landfill) Permit No. 0290-S1-R3 (AFIN 72-00144), Conditions 32, 36, 38.a., and 40.a, the Landfill is required to conduct monthly sampling for the following parameters:

- Ammonia,
- Chloride,
- pH, and
- Specific Conductance.

Monthly monitoring began in July 2006 with the approval to begin landfill operations in the eastern lateral expansion area. Monthly sampling events are currently conducted for the eastern lateral expansion area (Cells 1 through 12). In accordance with Condition 40.a. of the Permit, the monthly report should include:

- i) Analytical data from that month's indicator sampling of groundwater, the leak detection system (LDS), and the leachate collection system (LCS). Groundwater elevations should also be included.
- ii) List of calculated statistically significant increases (SSIs) for all monthly results from the groundwater monitoring wells.
- iii) Graphs for each SSI, presenting the parameter at the location (1) over the past year and (2) since monthly monitoring began.
- iv) Database printout of all monthly sampling analytical results since beginning of monthly indicator sampling.
- v) Daily volume and rate data collected from the LDS and the LCS since the last report.
- vi) Discussion of all results obtained from the groundwater monitoring wells.

Analytical Results

The July 2023 sampling event was completed on July 9-10, 2023. A copy of the laboratory analytical report and field sampling forms are included in **Attachment G**. Sampling point LDS-11 was dry; therefore, a sample could not be collected.

A list of the required groundwater monitoring wells, LDS locations, and LCS locations are provided in **Attachment A**. A summary of the July 2023 monthly data is also provided in **Attachment A**. A historical database summary of sampling analytical results compiled since the beginning of monthly indicator parameter sampling is included in **Attachment B**.

SSI Evaluation

As discussed in Section 3.7.2 of the November 2, 2016 Groundwater Sampling and Analysis Plan (Document Identification Number (DIN) 70560, approved by DEQ on November 9, 2016 with DIN 70584), a significantly increasing trend **and** a reported concentration of chloride greater than 10 times the baseline or ammonia greater than 1 mg/L will be considered a significant finding that requires further evaluation.

Historical groundwater results for ammonia, chloride, pH, and specific conductance were statistically evaluated for potential significant increasing trends (see **Attachment C**). The trend analysis graphs display the results since initiation of monthly monitoring. As shown in **Attachment C**, various increasing trends were exhibited for chloride and specific conductance and decreasing trends were exhibited for ammonia, chloride, pH, and specific conductance. The trend results were generally consistent with past events, and for a majority of the trending well/parameter pairs results have been stable for several years recently.

The baseline chloride values were determined utilizing data compiled prior to waste placement. For LGW-8R and LGW-14R, historical chloride concentrations from August 2008 through February 2016 were used to calculate the average chloride baseline concentration. A date range of June 2015 through February 2016 was used for LGW-3R, MW-15, MW-16, MW-17, and MW-19. A date range of July 2006 through May 2008 was used for LGW-2, LGW-4, LGW-5, LGW-6, LGW-7, LGW-9, LGW-10, and MW-7N. Calculated baseline values for chloride are presented in **Attachment D**. For monitoring wells with statistically significant increasing chloride trends, the July 2023 chloride concentration was compared to 10 times the baseline value (see **Attachment A**). No July 2023 chloride concentrations exceeded the 10 times baseline values.

For monitoring wells with statistically significant increasing ammonia trends, the July 2023 ammonia concentration was compared to 1 mg/L. As shown in **Attachment A**, no detections were above 1 mg/L during the July 2023 event.

For monitoring wells with statistically significant increasing trends, the July 2023 concentrations of chloride were not greater than 10 times the baseline values or ammonia greater than 1 mg/L; therefore, no SSI was exhibited for the July 2023 event. No further action is required.

LDS/LCS

In accordance with Permit Conditions 31 and 40.a.v., the Landfill began recording daily volume and rate data from the LDS and LCS since construction of the first cell in the lateral expansion area was completed. Per the site's Action Leakage Rate (ALR) Contingency Plan (DIN 68124 dated September 24, 2015), no further action, other than routine monitoring and reporting, is required if the LDS flow rate is at or below 60 gallons per acre per day (gpac). The ALR Contingency Plan was approved by DEQ on November 25, 2015 (DIN 68479).

In accordance with the Landfill's permit and ALR Contingency Plan, Eco-Vista personnel perform flow rate monitoring of the LDS sumps of Cells 1 through 12. Eco-Vista is responsible for the data input and calculated averages of recorded flow rate data. Included in **Attachment E** is a table provided by the Landfill of daily volume and rate data for the month of July 2023 for both the open and closed landfill areas. The LCS and LDS share common piping at the bulkhead and backflow from the LCS into the LDS has been identified, as documented in a February 19, 2020 fingerprint analysis results report submitted to DEQ (DIN 77786). To address this, Eco-Vista installed backflow preventers on the LDS piping on September 2, 2020.

According to site data, each of the July 2023 LDS flow rates was below 60 gpac (see **Attachment E**).

Gas Extraction Well Operations

In accordance with DEQ letter dated May 5, 2016 (DIN 69516), a list and map of all active and passive gas extraction locations at the site and their operational status for the reporting period is included in **Attachment F**.

Summary & Conclusions

The following summary is based on a review of the July 2023 data:

- For the monitoring wells, various statistically significant increasing trends were exhibited for chloride and specific conductance, and decreasing trends were exhibited for ammonia, chloride, pH, and specific conductance. The trend results were generally consistent with past events, and for a majority of the trending well/parameter pairs results have been stable for several years recently;
- Chloride concentrations in groundwater were below calculated intra-well limits;
- Ammonia concentrations in groundwater were below the fixed limit of 1 mg/L; and
- According to the site, each of the LDS flow rates was below 60 gpad.

No significant findings were determined with respect to groundwater for the July 2023 monitoring period. In addition, there were no flow rate exceedances to report for July 2023, per the ALR Contingency Plan.

The Landfill will continue to collect data during monthly monitoring events in accordance with Permit No. 0290-S1-R3.

If you have any questions or comments, please contact me at steve.jett@jettenviro.com or 314-496-4654.

Sincerely,



Steve Jett, P.G. No. 1826
Owner

Travis Doll
Senior Geologist

Attachments:

- A. *Summary Table of Monthly Results*
- B. *Historical Database*
- C. *Trend Analysis*
- D. *Chloride Baseline Calculations*
- E. *Leachate Collection System and Leak Detection System Daily Volume and Rate Data*
- F. *Gas Extraction Well Operations & Location Map*
- G. *Laboratory Analytical Report & Field Forms*

cc: Jodi Reynolds – WM (PDF via Email)

ATTACHMENT A

Summary Table of Monthly Results

**Monthly Data Summary
July 2023 Event
Eco-Vista Landfill**

Monitoring Point	Date Sampled	Chloride Intra-Well Limit (mg/L)	Chloride (mg/L)	Ammonia (mg/L)	Specific Conductance [Field] (umhos/cm)	pH [Field] (SU)	Top of PVC Casing Elevation (fmsl)	Depth to Water (ft)	Groundwater Elevation (fmsl)
LGW-2	7/10/2023	78	10.2	<0.1	632	7.24	1302.14	72.15	1229.99
LGW-3R	7/10/2023	124	5.33	<0.1	102	4.66	1289.20	55.18	1234.02
LGW-4	7/10/2023	149	17.6	<0.1	759	6.16	1267.79	60.41	1207.38
LGW-5	7/10/2023	124	31.9	0.182	798	6.14	1271.91	70.92	1200.99
LGW-6	7/10/2023	133	15.0	<0.1	749	6.27	1244.79	50.40	1194.39
LGW-7	7/10/2023	113	17.3	<0.1	669	6.40	1220.60	43.15	1177.45
LGW-8R	7/10/2023	122	18.0	<0.1	779	6.42	1186.24	10.75	1175.49
LGW-9	7/10/2023	169	35.1	<0.1	834	6.17	1237.47	54.43	1183.04
LGW-10	7/10/2023	151	21.5	<0.1	929	6.36	1240.61	59.52	1181.09
LGW-14R	7/10/2023	39	5.15	0.161 P1	597	6.82	1250.93	56.14	1194.79
MW-7N	7/10/2023	93	31.6	<0.1	624	6.22	1250.84	87.10	1163.74
MW-15	7/10/2023	278	35.7	<0.1	581	6.23	1291.46	58.58	1232.88
MW-16	7/10/2023	108	4.08	<0.1	380	7.04	1289.70	73.29	1216.41
MW-17	7/10/2023	205	6.95	<0.1	282	5.63	1288.93	60.30	1228.63
MW-19	7/10/2023	92	7.75	<0.1	293	7.64	1293.90	68.11	1225.79
LCS-1	7/9/2023	NA	1190	1630	18558	7.16	NA	NA	NA
LCS-2	7/9/2023	NA	1430	1110	15429	8.75	NA	NA	NA
LCS-3	7/9/2023	NA	1140	967	13600	9.38	NA	NA	NA
LCS-4	7/9/2023	NA	1500	1520	19705	10.42	NA	NA	NA
LCS-5	7/9/2023	NA	2460	2650	29225	9.10	NA	NA	NA
LCS-6	7/9/2023	NA	1680	1530	21142	10.44	NA	NA	NA
LCS-7	7/9/2023	NA	2330	1570	23174	9.76	NA	NA	NA
LCS-8	7/9/2023	NA	1070	825	12562	11.25	NA	NA	NA
LCS-9	7/9/2023	NA	1800	1490	20942	11.62	NA	NA	NA
LCS-10	7/9/2023	NA	2080	2020	24571	8.18	NA	NA	NA
LCS-11	7/9/2023	NA	2060	1800	24887	8.47	NA	NA	NA
LCS-12	7/9/2023	NA	1730	1400	20199	8.13	NA	NA	NA
LDS-1	7/9/2023	NA	345 V	17.0	4478	6.48	NA	NA	NA
LDS-2	7/9/2023	NA	362	6.22	3618	6.43	NA	NA	NA
LDS-3	7/9/2023	NA	1820	195	18885	6.90	NA	NA	NA
LDS-4	7/9/2023	NA	1250	913	17730	6.98	NA	NA	NA
LDS-5	7/9/2023	NA	533	333	11274	7.46	NA	NA	NA
LDS-6	7/9/2023	NA	1630	219	14425	7.65	NA	NA	NA
LDS-7	7/9/2023	NA	299	185	6941	7.59	NA	NA	NA
LDS-8	7/9/2023	NA	120	26.8	3485	8.70	NA	NA	NA
LDS-9	7/9/2023	NA	119	23.8	1630	8.29	NA	NA	NA
LDS-10	7/9/2023	NA	2180	1270	15407	8.37	NA	NA	NA
LDS-11	NS	NA	NS	NS	NS	NS	NA	NA	NA
LDS-12	7/9/2023	NA	1270	644	14490	8.49	NA	NA	NA
Field Blank	7/5/2023	NA	<3	<0.1	NA	NA	NA	NA	NA
Lab Method Blanks	---	NA	<3	<0.1	NA	NA	NA	NA	NA

Notes:

Depth to water collected by Promus Engineering on July 4, 2023.

NA - Not Applicable

Chloride Intra-Well Limit is the baseline mean concentration multiplied by 10. See Report Attachment D for calculations.

NS - Not Sampled. LDS-11 (dry).

P1 - RPD value not applicable for sample concentrations less than 5 times the reporting limit.

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

ATTACHMENT B

Historical Database

Table 1

Analytical Data Summary for LGW-10

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
4/30/2013 - 5/2/2013	.340	17.0	6.34	1020.0
6/4/2013 - 6/5/2013	.430	15.0	6.16	980.0
7/30/2013 - 8/9/2013	.330	14.0	6.43	932.0
9/10/2013 - 9/11/2013	.290	15.0	6.28	973.0
10/1/2013 - 10/2/2013	.110	15.0	6.52	957.0
11/6/2013	.260	15.0	6.51	889.0
12/2/2013 - 12/3/2013	.260	16.0	6.35	982.0
1/22/2014 - 1/30/2014	.300	15.0	6.66	872.0
1/30/2014 - 2/13/2014	.265 *	15.0 *	6.48 *	933.5 *
3/11/2014 - 3/12/2014	.270	15.0	6.73	1830.0
4/2/2014 - 4/3/2014	.270	15.0	6.49	1952.0
5/7/2014	.290	13.0	6.49	1773.0
6/3/2014	.290	13.0	6.05	986.0
7/8/2014 - 7/18/2014	.330	14.0	6.70	871.0
8/5/2014 - 8/6/2014	.240	14.0	6.23	995.0
9/4/2014 - 9/5/2014	.250	13.0	6.65	886.0
10/8/2014 - 10/9/2014	.140	13.0	6.45	926.0
10/9/2014 - 10/23/2014	.140	13.0	6.45	926.0
10/23/2014 - 11/3/2014	.190	13.0	6.89	914.0
1/14/2015 - 1/15/2015	.230	13.0	5.56	936.0
2/10/2015 - 2/13/2015	.260	14.0	6.00	950.0
3/3/2015	.110	13.0	6.50	897.0
4/1/2015 - 4/2/2015	.280	11.0	6.59	1037.0
5/6/2015 - 5/7/2015	.230	11.0	6.59	1412.0
6/2/2015 - 6/5/2015	.440	12.0	6.34	1474.0
7/7/2015 - 7/16/2015	.340	13.0	6.27	1794.0
7/22/2015 - 8/5/2015	.390	10.0	6.35	1284.0
9/2/2015 - 9/3/2015	.340	11.0	6.81	1703.0
10/5/2015 - 10/6/2015	.290	12.0	7.02	1609.0
11/4/2015 - 11/5/2015	.210	11.0	6.98	1440.0
12/3/2015 - 12/4/2015	.250	11.0	7.41	868.0
1/5/2016 - 1/8/2016	.360	11.0	6.59	920.0
2/3/2016 - 2/11/2016	.310	10.0	7.12 *	903.0 *
3/2/2016 - 3/3/2016	.220	11.0	7.09	898.0
4/5/2016 - 4/6/2016	.270	11.0	6.85	912.0
5/11/2016 - 5/12/2016	.200	11.0	6.52	801.0
6/1/2016 - 6/2/2016	.250	12.0	6.94	882.0
7/19/2016 - 7/22/2016	.270	13.0	6.20	849.0
8/10/2016 - 8/11/2016	.260	13.0	7.22	841.0
9/6/2016 - 9/7/2016	.210	13.0	6.78	785.0
10/5/2016 - 10/7/2016	.190 *	12.5 *	6.94	751.0
11/2/2016 - 11/3/2016	<.100	13.0	6.72	667.0
12/1/2016 - 12/2/2016	.140	13.0	7.45	928.0
1/10/2017 - 1/13/2017	.100	14.0	5.48	779.0
2/7/2017 - 2/8/2017	.170	14.0	7.68	741.0
3/1/2017 - 3/3/2017	.150	14.0	6.12	926.0
4/4/2017 - 4/6/2017	.220	14.0	6.47	920.0
5/2/2017 - 5/16/2017	.280	15.0	6.38	910.0
6/6/2017 - 6/7/2017	.130	14.0	6.40	905.0
7/18/2017 - 8/1/2017	.255 *	14.0 *	6.48 *	830.5 *
8/1/2017 - 8/2/2017	.230	13.0	6.58	877.0
9/5/2017 - 9/6/2017	.300	16.0	7.05	711.0
10/5/2017 - 10/9/2017	.270	15.0	7.00	888.0
11/1/2017 - 11/2/2017	.200	15.0	6.46	964.0
1/23/2018 - 1/26/2018	.160	13.0	6.46	727.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 1

Analytical Data Summary for LGW-10

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
2/21/2018 - 2/23/2018	.120	14.0	6.84	709.0
3/19/2018 - 3/22/2018	.290	15.0	6.37	788.0
4/9/2018 - 4/11/2018	.220 *	15.0 *	6.42 *	857.0 *
6/4/2018 - 6/6/2018	.300	16.0	6.33	907.0
7/10/2018 - 7/18/2018	.220	14.0	6.60	911.0
8/1/2018 - 8/2/2018	.170	15.0	6.61	804.0
9/4/2018 - 9/6/2018	.290	17.0	6.82	984.0
10/1/2018 - 10/4/2018	.310 *	15.0 *	6.41 *	835.0 *
11/6/2018 - 11/8/2018	.170	13.0	6.47	764.0
12/4/2018 - 12/5/2018	.170	16.0	6.48	816.0
1/2/2019 - 1/7/2019	.160	15.0	6.50	719.8
2/4/2019 - 2/6/2019	.220	16.0	6.41	732.0
3/4/2019 - 3/6/2019	.240	14.0	6.13	791.0
4/2/2019 - 4/3/2019	.260	16.0 *	6.41 *	863.0 *
5/1/2019 - 5/9/2019	.230	14.0	6.53	727.0
6/3/2019 - 6/5/2019	.310	17.0	6.38	890.0
7/8/2019 - 7/11/2019	.215 *	16.0 *	6.75 *	880.0 *
8/5/2019 - 8/8/2019	.250	13.0	6.52	896.0
9/3/2019 - 9/5/2019	.210	16.0	6.60	842.0
9/30/2019 - 10/3/2019	.250 *	16.5 *	6.55 *	885.0 *
11/5/2019 - 11/6/2019	.250	16.0	6.47	944.0
12/2/2019 - 12/12/2019	.220	17.0	6.54	781.0
1/13/2020 - 1/24/2020	.315	18.4	6.60	863.0
1/24/2020 - 2/4/2020	<1.000	19.0	6.56	767.0
3/2/2020 - 3/4/2020	.209	19.1	6.50	297.0
4/1/2020 - 4/3/2020	.284	19.0	6.50 *	806.0 *
5/4/2020 - 5/5/2020	.333	17.7	6.42	843.0
6/1/2020 - 6/3/2020	.324	18.1	6.49	838.0
7/6/2020 - 7/9/2020	.246 *	16.5 *	6.49 *	946.0 *
8/3/2020	.256	16.1	6.46	900.0
9/1/2020 - 9/14/2020	.143	15.5	6.43	817.0
10/5/2020 - 10/7/2020	<.100	15.8 *	6.62 *	671.0 *
11/2/2020 - 11/5/2020	<.100	15.5	6.64	730.0
12/1/2020 - 12/4/2020	.170	16.4	6.41	1034.0
1/13/2021 - 1/18/2021	<.100 *	37.0 *	6.09	487.4
2/9/2021 - 2/11/2021	.143	19.8	6.56	901.0
3/2/2021 - 3/3/2021	<.100	19.3	6.35	916.0
4/6/2021 - 4/9/2021	.165	19.5	6.43 *	898.0 *
5/4/2021 - 5/5/2021	.181	19.7	6.28	943.0
6/1/2021 - 6/2/2021	.234	20.0	6.35	933.0
7/1/2021 - 7/9/2021	.267 *	19.8 *	6.42 *	969.0 *
8/3/2021 - 8/4/2021	.147	20.0	6.36	940.0
9/1/2021 - 9/2/2021	.187	19.7	6.38	939.0
10/4/2021 - 10/7/2021	<.100	19.5 *	6.50 *	875.0 *
11/1/2021 - 11/2/2021	<.100	19.0	6.42	882.0
12/8/2021 - 12/9/2021	.118	18.6	6.43	879.0
1/12/2022 - 1/19/2022	.141	21.0 *	6.41 *	897.0 *
2/9/2022 - 2/10/2022	.126	20.2	6.49	913.0
3/1/2022 - 3/5/2022	<.100	21.1	6.44	910.0
4/4/2022 - 4/6/2022	.164	21.0	6.39 *	945.0 *
5/6/2022 - 5/7/2022	.170	22.5	6.60	915.0
6/2/2022 - 6/3/2022	.286	22.2	6.09	1143.0
7/9/2022 - 7/13/2022	.406	20.9	6.11	1006.0
8/9/2022 - 8/10/2022	.185	20.5	6.07	962.0
9/7/2022 - 9/8/2022	<.100	21.4	6.16	823.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 1

Analytical Data Summary for LGW-10

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
10/5/2022 - 10/7/2022	.106	20.0	6.37 *	956.0 *
11/2/2022 - 11/3/2022	<.100	20.0	6.21	818.0
12/6/2022 - 12/7/2022	<.100	20.5	6.16	1113.0
1/3/2023 - 1/11/2023	.225	21.1	6.46	919.0
2/3/2023 - 2/4/2023	.118	22.7	6.31	1788.0
3/1/2023 - 3/2/2023	.185	22.6	6.10	1023.0
4/4/2023 - 4/8/2023	.267	21.7	5.93	919.0
5/9/2023 - 5/11/2023	.227	22.1	5.97	878.0
6/7/2023 - 6/8/2023	.164	23.1	5.72	949.0
7/5/2023 - 7/10/2023	<.100	21.5	6.36	929.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 2

Analytical Data Summary for LGW-14R

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
12/6/2012	<.100 *	4.10 *	7.30 *	317.0 *
1/23/2013 - 2/5/2013	<.100 *	3.65 *	7.57 *	339.0 *
3/5/2013	<.100 *	3.90 *	7.45 *	348.0 *
4/30/2013 - 5/2/2013	<.100	3.80	7.30	335.0
6/4/2013 - 6/5/2013	<.100	3.70	7.14	349.0
7/30/2013 - 8/9/2013	<.100	3.80	7.36	347.0
9/10/2013 - 9/11/2013	<.100	3.90	7.43	341.0
10/1/2013 - 10/2/2013	<.100	3.60	7.64	355.0
11/6/2013	<.100	3.70	7.39	347.0
12/2/2013 - 12/3/2013	<.100	3.90	7.11	336.0
1/22/2014 - 1/30/2014	<.100	3.90	7.30	340.0
1/30/2014 - 2/13/2014	<.100	3.90	7.45	341.0
3/11/2014 - 3/12/2014	<.100	3.80	7.64	676.0
4/2/2014 - 4/3/2014	<.100	3.80	7.61	687.0
5/7/2014	<.100	3.90	7.52	661.0
6/3/2014	<.100	3.80	7.19	363.0
7/8/2014 - 7/18/2014	<.100	3.80	7.47	359.0
8/5/2014 - 8/6/2014	<.100	3.90	7.42	373.0
9/4/2014 - 9/5/2014	<.100	4.00	7.25	368.0
10/8/2014 - 10/9/2014	<.100	4.00	7.49	367.0
10/9/2014 - 10/23/2014	<.100	4.00	7.49	367.0
10/23/2014 - 11/3/2014	<.100	4.10	7.46	362.0
1/14/2015 - 1/15/2015	<.100	4.30	5.81	379.0
2/10/2015 - 2/13/2015	<.100	4.00	7.48	383.0
3/3/2015	<.100	4.20	7.44	353.0
4/1/2015 - 4/2/2015	<.100	4.00	7.32	398.0
5/6/2015 - 5/7/2015	<.100	4.60	7.62	607.0
6/2/2015 - 6/5/2015	<.100	4.00	7.90	613.0
7/16/2015 - 7/22/2015	<.100	3.90	7.99	721.0
7/22/2015 - 8/5/2015	<.100 *	3.85 *	7.89 *	700.0 *
9/2/2015 - 9/3/2015	<.100	4.10	7.86	679.0
10/5/2015 - 10/6/2015	<.100	4.00	7.86	636.0
11/4/2015 - 11/5/2015	<.100	4.10	7.42	608.0
12/3/2015 - 12/4/2015	<.100	4.50	7.54	369.0
1/5/2016 - 1/8/2016	<.100	4.40	7.29	362.0
2/3/2016 - 2/11/2016	<.100	4.00	8.17	373.0
3/2/2016 - 3/3/2016	<.100	4.00	7.84	368.0
4/5/2016 - 4/6/2016	<.100	4.30	8.08	370.0
5/11/2016 - 5/12/2016	<.100	4.10	7.63	353.0
6/1/2016 - 6/2/2016	<.100	4.40	7.88	362.0
7/19/2016 - 7/22/2016	<.100	4.10	7.16	324.0
8/10/2016 - 8/11/2016	<.100	4.20	8.33	317.0
9/6/2016 - 9/7/2016	<.100	4.50	7.51	304.0
10/5/2016 - 10/7/2016	<.100	4.10	7.21	501.0
11/2/2016 - 11/3/2016	<.100	4.50	7.27	297.0
12/1/2016 - 12/2/2016	<.100	4.10	8.09	376.0
1/10/2017 - 1/13/2017	<.100	4.50	6.47	293.0
2/7/2017 - 2/8/2017	<.100	4.50	6.64	308.0
3/1/2017 - 3/3/2017	<.100	4.40	6.26	375.0
4/4/2017 - 4/6/2017	<.100	4.70	7.44	362.0
5/2/2017 - 5/16/2017	<.100	4.60	7.49	355.0
6/6/2017 - 6/7/2017	<.100	4.60	7.54	340.0
7/18/2017 - 8/1/2017	<.100 *	4.55 *	7.34 *	359.5 *
8/1/2017 - 8/2/2017	<.100	4.60	7.41	353.0
9/5/2017 - 9/6/2017	<.100	4.60	7.18	324.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 2

Analytical Data Summary for LGW-14R

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
10/5/2017 - 10/9/2017	<.100	4.50	7.20	390.0
11/1/2017 - 11/2/2017	<.100	4.50	7.38	392.0
1/23/2018 - 1/26/2018	<.100	3.90	7.33	345.3
2/21/2018 - 2/23/2018	<.100	4.20	7.25	382.5
3/19/2018 - 3/22/2018	.100	4.60	7.23	374.1
4/9/2018 - 4/11/2018	<.100	4.20	7.22	366.6
6/4/2018 - 6/6/2018	<.100	4.50	7.43	377.5
6/21/2018			7.32	401.7
7/10/2018 - 7/18/2018	<.100	4.20	7.40	394.0
7/18/2018 - 8/1/2018	1.200	4.70	7.18	379.0
8/1/2018 - 8/2/2018	1.200	4.70	7.18	379.0
9/4/2018 - 9/6/2018	<.100	5.20	7.00	431.0
10/1/2018 - 10/4/2018	<.100	4.20	7.17 *	383.9 *
11/6/2018 - 11/8/2018	<.100	4.30	7.22	377.4
12/4/2018 - 12/5/2018	.210	4.40	7.33	389.0
1/2/2019 - 1/7/2019	<.100	4.30	6.65	340.0
2/4/2019 - 2/6/2019	<.100	4.50	7.11	349.6
3/4/2019 - 3/6/2019	<.100	4.10	6.82	359.0
4/2/2019 - 4/3/2019	<.100	4.70	7.02	411.5
5/1/2019 - 5/9/2019	<.100	4.30	7.49	363.1
6/3/2019 - 6/5/2019	<.100	3.90	7.15	401.5
7/8/2019 - 7/11/2019	<.100 *	4.35 *	7.18 *	431.7 *
8/5/2019 - 8/8/2019	<.100	3.90	7.33	398.1
9/3/2019 - 9/5/2019	<.100	4.30	7.02	391.3
9/30/2019 - 10/3/2019	<.100	4.60	7.29	401.1
11/5/2019 - 11/6/2019	<.100	4.10	7.18	411.0
12/2/2019 - 12/12/2019	<.100	4.30	7.42	358.9
1/13/2020 - 1/24/2020	<.100	4.68	7.33	339.6
1/24/2020 - 2/4/2020	<1.000	4.81	7.33	345.3
3/2/2020 - 3/4/2020	<.100	4.68	7.22	357.1
4/1/2020 - 4/3/2020	<.100	4.67	7.00	373.5
5/4/2020 - 5/5/2020	<.100	4.34	7.14	376.4
6/1/2020 - 6/3/2020	<.100	4.58	7.15	382.1
7/6/2020 - 7/9/2020	<.100 *	4.56 *	7.15 *	444.1 *
8/3/2020	<.100	4.49	7.10	357.3
9/1/2020 - 9/14/2020	<.100	4.53	7.07	412.3
10/5/2020 - 10/7/2020	<.100	4.36	7.17	357.7
11/2/2020 - 11/5/2020	<.100	4.58	7.27	388.5
12/1/2020 - 12/4/2020	<.100	4.42	7.11	410.9
1/13/2021 - 1/18/2021	<.100 *	4.76 *	6.83 *	314.9 *
2/9/2021 - 2/11/2021	<.100	4.66	7.26	453.8
3/2/2021 - 3/3/2021	<.100	4.42	7.07	465.0
4/6/2021 - 4/9/2021	<.100	4.66	7.11 *	463.0 *
5/4/2021 - 5/5/2021	<.100	4.61	7.06	482.0
6/1/2021 - 6/2/2021	<.100	4.91	7.00	483.0
7/1/2021 - 7/9/2021	<.100 *	5.05 *	7.11 *	488.0 *
8/3/2021 - 8/4/2021	<.100	4.64	7.08	478.0
9/1/2021 - 9/2/2021	<.100	5.15	7.05	471.0
10/4/2021 - 10/7/2021	<.100	4.69	7.10 *	474.0 *
11/1/2021 - 11/2/2021	<.100	4.47	7.03	482.0
12/8/2021 - 12/9/2021	<.100	4.18	7.05	479.0
1/12/2022 - 1/19/2022	<.100	4.99 *	7.08 *	490.0 *
2/9/2022 - 2/10/2022	<.100	5.11	7.10	505.0
3/1/2022 - 3/5/2022	<.100	4.87	7.02	504.0
4/4/2022 - 4/6/2022	<.100	4.75	6.93	520.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 2**Analytical Data Summary for LGW-14R**

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
5/6/2022 - 5/7/2022	<.100	4.96	6.92	560.0
6/2/2022 - 6/3/2022	<.100	5.33	6.77	588.0
7/9/2022 - 7/13/2022	.181	4.90	6.76	507.0
8/9/2022 - 8/10/2022	<.100	4.95	6.73	537.0
9/7/2022 - 9/8/2022	<.100	5.05	6.69	509.0
10/5/2022 - 10/7/2022	<.100	4.69	6.38	493.0
11/2/2022 - 11/3/2022	<.100	4.78	6.90	551.0
12/6/2022 - 12/7/2022	<.100	4.88	6.72	631.0
1/3/2023 - 1/11/2023	<.100	4.88	6.98	507.0
2/3/2023 - 2/4/2023	<.100	5.42	6.94	1045.0
3/1/2023 - 3/2/2023	<.100	5.49	6.66	557.0
4/4/2023 - 4/8/2023	<.100	4.90	6.48	524.0
5/9/2023 - 5/11/2023	<.100	5.26	6.61	545.0
6/7/2023 - 6/8/2023	<.100	5.56	6.49	576.0
7/5/2023 - 7/10/2023	.161	5.15	6.82	597.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 3

Analytical Data Summary for LGW-2

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
4/30/2013 - 5/2/2013	<.100	8.90	6.91	602.0
6/4/2013 - 6/5/2013	<.100	8.90	6.85	632.0
7/15/2013 - 7/17/2013	<.100	9.00	6.93	597.0
7/30/2013 - 8/9/2013	<.100	8.90	7.12	604.0
9/10/2013 - 9/11/2013	<.100	<3.00	7.00	593.0
10/1/2013 - 10/2/2013	<.100	8.40	7.23	620.0
11/6/2013	<.100	8.50	6.99	624.0
12/2/2013 - 12/3/2013	<.100	9.20	7.04	594.0
1/22/2014 - 1/30/2014	<.100	8.50	6.83	619.0
1/30/2014 - 2/13/2014	<.100 *	8.80 *	7.43 *	619.0 *
3/11/2014 - 3/12/2014	<.100	9.00	7.35	1575.0
4/2/2014 - 4/3/2014	.310	8.80	7.19	1180.0
5/7/2014	<.100	8.80	7.13	1087.0
6/3/2014	<.100	8.60	6.91	606.0
7/8/2014 - 7/18/2014	<.100	9.00	7.21	605.0
8/5/2014 - 8/6/2014	<.100	8.60	6.80	615.0
9/4/2014 - 9/5/2014	<.100	8.40	7.03	600.0
10/8/2014 - 10/9/2014	<.100	9.00	7.65	605.0
10/9/2014 - 10/23/2014	<.100	9.00	7.65	605.0
10/23/2014 - 11/3/2014	<.100	9.00	6.57	590.0
1/14/2015 - 1/15/2015	<.100	9.10	5.74	618.0
2/10/2015 - 2/13/2015	<.100	8.80	7.70	634.0
3/3/2015	<.100	8.90	7.09	590.0
4/1/2015 - 4/2/2015	<.100	8.80	6.88	648.0
5/6/2015 - 5/7/2015	<.100	8.40	7.17	991.0
6/2/2015 - 6/5/2015	<.100	8.90	7.14	997.0
7/7/2015 - 7/16/2015	<.100	8.20	7.19	1082.0
7/22/2015 - 8/5/2015	<.100	8.60	7.50	1006.0
9/2/2015 - 9/3/2015	<.100	8.20	7.20	1080.0
10/5/2015 - 10/6/2015	<.100	7.90	7.75	1014.0
11/4/2015 - 11/5/2015	<.100	8.70	7.06	960.0
12/3/2015 - 12/4/2015	<.100	10.00	7.06	586.0
1/5/2016 - 1/8/2016	<.100	9.60	6.90	575.0
2/3/2016 - 2/11/2016	<.100	9.20	7.24	589.0
3/2/2016 - 3/3/2016	<.100	9.10	7.55	585.0
4/5/2016 - 4/6/2016	<.100	9.50	7.28	586.0
5/11/2016 - 5/12/2016	<.100	8.20	6.94	564.0
6/1/2016 - 6/2/2016	<.100	9.60	7.38	580.0
7/19/2016 - 7/22/2016	<.100	9.20	7.39	521.0
8/10/2016 - 8/11/2016	<.100	8.60	8.47	513.0
9/6/2016 - 9/7/2016	<.100	9.90	7.40	487.0
10/5/2016 - 10/7/2016	<.100	8.80	7.40	484.0
11/2/2016 - 11/3/2016	<.100	9.70	6.85	480.0
12/1/2016 - 12/2/2016	<.100	9.30	7.60	690.0
1/10/2017 - 1/13/2017	<.100	9.90	5.08	674.0
2/7/2017 - 2/8/2017	<.100	9.50	6.27	483.0
3/1/2017 - 3/3/2017	<.100	8.50	6.47	651.0
4/4/2017 - 4/6/2017	<.100	9.50	6.79	669.0
5/2/2017 - 5/16/2017	<.100	9.60	6.69	745.0
6/6/2017 - 6/7/2017	<.100	9.90	6.76	717.0
7/18/2017 - 8/1/2017	.420 *	10.00 *	6.62 *	514.0 *
8/1/2017 - 8/2/2017	.530	10.00	6.77	493.0
9/5/2017 - 9/6/2017	.390	10.00	6.68	501.0
10/5/2017 - 10/9/2017	.170	9.90	6.23	772.0
11/1/2017 - 11/2/2017	.250	9.60	6.69	710.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 3

Analytical Data Summary for LGW-2

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
1/23/2018 - 1/26/2018	.160	10.00	6.49	809.0
2/21/2018 - 2/23/2018	.120	9.10	6.44	837.0
3/19/2018 - 3/22/2018	.250	9.50	6.57	671.0
4/9/2018 - 4/11/2018	.110	8.90	6.45	775.0
6/4/2018 - 6/6/2018	.270	9.60	6.54	678.0
6/21/2018			6.60	792.0
7/10/2018 - 7/18/2018	.220	8.70	6.51	943.0
7/18/2018 - 8/1/2018	.180	9.80	6.45	919.0
8/1/2018 - 8/2/2018	.180	9.80	6.45	919.0
9/4/2018 - 9/6/2018	.190	11.00	6.41	1043.0
10/1/2018 - 10/4/2018	.240	8.80	6.37 *	1032.0 *
11/6/2018 - 11/8/2018	.270	7.60	6.34	984.0
12/4/2018 - 12/5/2018	.270	8.90	6.45	951.0
1/2/2019 - 1/7/2019	.230	8.90	6.39	809.0
2/4/2019 - 2/6/2019	.270	10.00	6.54	676.0
3/4/2019 - 3/6/2019	.350	7.90	6.55	737.0
4/2/2019 - 4/3/2019	.400	9.70	6.47	840.0
5/1/2019 - 5/9/2019	.330	8.40	6.53	750.0
6/3/2019 - 6/5/2019	.400	10.00	6.31	764.0
6/5/2019 - 6/18/2019	.400	10.00	6.31	764.0
7/8/2019 - 7/11/2019	.500	8.40 *	6.69 *	823.0 *
8/5/2019 - 8/8/2019	.320	7.60	6.68	814.0
9/3/2019 - 9/5/2019	.280	9.00	6.68	755.0
9/30/2019 - 10/3/2019	.320	9.40	6.99	622.0
11/5/2019 - 11/6/2019	.580	9.70	6.68	708.0
12/2/2019 - 12/12/2019	.510	9.30	6.67	649.3
1/13/2020 - 1/24/2020	.586	9.66	6.55	503.2
1/24/2020 - 2/4/2020	.425	9.80	6.70	686.0
3/2/2020 - 3/4/2020	.373	9.95	6.72	685.0
4/1/2020 - 4/3/2020	.395	9.78	6.65 *	595.0 *
5/4/2020 - 5/5/2020	.551	9.59	6.62	605.0
6/1/2020 - 6/3/2020	.380	9.84	6.81	567.0
7/6/2020 - 7/9/2020	.256 *	9.38 *	6.79 *	529.4 *
8/3/2020	.407	9.96	6.75	625.0
9/1/2020 - 9/14/2020	.186	9.37	6.87	552.1
10/5/2020 - 10/7/2020	.422	11.20	6.84	499.4
11/2/2020 - 11/5/2020	.321	9.38	6.81	539.7
12/1/2020 - 12/4/2020	.350	9.35	6.69	619.2
1/13/2021 - 1/18/2021	.173 *	9.34 *	6.36 *	403.5 *
2/9/2021 - 2/11/2021	.460	9.47	6.81	684.0
3/2/2021 - 3/3/2021	.228	9.09	6.66	697.0
4/6/2021 - 4/9/2021	.172	9.99	6.84	649.0
5/4/2021 - 5/5/2021	<.100	8.99	6.80	638.0
6/1/2021 - 6/2/2021	<.100	9.18	6.67	624.0
7/1/2021 - 7/9/2021	.148 *	9.59 *	6.77 *	632.0 *
8/3/2021 - 8/4/2021	<.100	9.69	6.88	624.0
9/1/2021 - 9/2/2021	<.100	9.70	6.82	624.0
10/4/2021 - 10/7/2021	<.100	9.37	6.87 *	609.0 *
11/1/2021 - 11/2/2021	<.100	9.15	6.76	613.0
12/8/2021 - 12/9/2021	<.100	8.67	6.84	590.0
1/12/2022 - 1/19/2022	<.100	9.60 *	6.86 *	611.0 *
2/9/2022 - 2/10/2022	<.100	9.66	6.89	625.0
3/1/2022 - 3/5/2022	<.100	9.54	6.82	632.0
4/4/2022 - 4/6/2022	<.100	9.60	6.73	638.0
5/6/2022 - 5/7/2022	<.100	9.80	6.75	683.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 3

Analytical Data Summary for LGW-2

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
6/2/2022 - 6/3/2022	<.100	10.30	6.54	717.0
7/9/2022 - 7/13/2022	<.100	10.10	6.50	651.0
8/9/2022 - 8/10/2022	<.100	9.92	6.46	636.0
9/7/2022 - 9/8/2022	<.100	10.30	6.55	618.0
10/5/2022 - 10/7/2022	<.100	9.47	6.31	600.0
11/2/2022 - 11/3/2022	<.100	9.28	6.74	591.0
12/6/2022 - 12/7/2022	<.100	9.61	6.57	694.0
1/3/2023 - 1/11/2023	<.100	9.88	6.94	575.0
2/3/2023 - 2/4/2023	<.100	10.60	6.77	1115.0
3/1/2023 - 3/2/2023	<.100	10.90	6.59	634.0
4/4/2023 - 4/8/2023	<.100	9.82	6.71	684.0
5/9/2023 - 5/11/2023	<.100	10.40	6.45	588.0
6/7/2023 - 6/8/2023	<.100	10.20	6.49	615.0
7/5/2023 - 7/10/2023	<.100	10.20	7.24	632.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 4

Analytical Data Summary for LGW-3R

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
12/6/2012	<.100 *	36.00 *	6.83 *	562.0 *
1/23/2013 - 2/5/2013	<.100 *	36.00 *	7.01 *	525.0 *
3/5/2013	<.100 *	35.00 *	6.95 *	594.0 *
4/30/2013 - 5/2/2013	<.100	9.90	7.09	298.0
6/4/2013 - 6/5/2013	<.100	6.60	6.72	294.0
7/15/2013 - 7/17/2013	<.100	14.00	6.85	420.0
7/30/2013 - 8/9/2013	<.100	22.00	7.00	471.0
9/10/2013 - 9/11/2013	<.100	20.00	6.88	449.0
10/1/2013 - 10/2/2013	<.100	26.00	7.23	518.0
11/6/2013	<.100	25.00	6.80	507.0
12/2/2013 - 12/3/2013	<.100	29.00	6.90	515.0
1/22/2014 - 1/30/2014	<.100	24.00	6.75	477.0
1/30/2014 - 2/13/2014	<.100	26.00	6.99	500.0
3/11/2014 - 3/12/2014	<.100	28.00	7.12	1008.0
4/2/2014 - 4/3/2014	.180	27.00	7.69	1038.0
5/7/2014	<.100	25.00	7.07	775.0
6/3/2014	<.100	27.00	7.00	526.0
7/8/2014 - 7/18/2014	<.100	28.00	7.10	412.0
8/5/2014 - 8/6/2014	<.100	29.00	7.05	553.0
9/4/2014 - 9/5/2014	<.100	29.00	6.97	546.0
10/8/2014 - 10/9/2014	<.100	30.00	7.23	552.0
10/9/2014 - 10/23/2014	<.100	30.00	7.23	552.0
10/23/2014 - 11/3/2014	<.100	30.00	6.85	526.0
1/14/2015 - 1/15/2015	<.100	28.00	5.67	534.0
2/10/2015 - 2/13/2015	<.100	29.00	6.99	564.0
3/3/2015	<.100	29.00	7.03	513.0
4/1/2015 - 4/2/2015	<.100	24.00	6.83	545.0
5/6/2015 - 5/7/2015	<.100	27.00	7.07	864.0
6/2/2015 - 6/5/2015	<.100	27.00	7.36	957.0
7/7/2015 - 7/16/2015	.140	14.00	7.37	810.0
7/16/2015 - 7/22/2015	.140	14.00	7.37	810.0
7/22/2015 - 8/5/2015	<.100	6.90	8.34	362.0
9/2/2015 - 9/3/2015	<.100	7.30	8.25	461.0
10/5/2015 - 10/6/2015	<.100	13.00	8.47	767.0
11/4/2015 - 11/5/2015	<.100	15.00	8.38	588.0
12/3/2015 - 12/4/2015	<.100	8.50	9.02	484.0
1/5/2016 - 1/8/2016	<.100	12.00	7.80	194.0
2/3/2016 - 2/11/2016	<.100	7.60	8.33	147.0
3/2/2016 - 3/3/2016	<.100	7.60	8.13	122.0
4/5/2016 - 4/6/2016	<.100	7.00	8.13	184.0
5/11/2016 - 5/12/2016	<.100	7.00	7.86	207.0
6/1/2016 - 6/2/2016	<.100	7.50	8.85	352.0
7/19/2016 - 7/22/2016	<.100	7.20	7.60	210.0
8/10/2016 - 8/11/2016	<.100	8.10	7.82	213.0
9/6/2016 - 9/7/2016	<.100	19.00	7.23	455.0
10/5/2016 - 10/7/2016	<.100	17.00	7.13	399.0
11/2/2016 - 11/3/2016	<.100	26.00	8.89	615.0
12/1/2016 - 12/2/2016	<.100	23.00	7.11	574.0
1/10/2017 - 1/13/2017	<.100	30.00	5.87	442.0
2/7/2017 - 2/8/2017	<.100	30.00	6.54	512.0
3/1/2017 - 3/3/2017	<.100	27.00	6.36	541.0
4/4/2017 - 4/6/2017	<.100	27.00	6.93	608.0
5/2/2017 - 5/16/2017	<.100	13.00	7.15	460.0
6/6/2017 - 6/7/2017	<.100	11.00	7.40	346.0
7/18/2017 - 8/1/2017	<.100 *	16.00 *	6.91 *	465.0 *

* - The displayed value is the arithmetic mean of multiple database matches.

Table 4

Analytical Data Summary for LGW-3R

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
8/1/2017 - 8/2/2017	<.100	17.00	6.96	490.0
9/5/2017 - 9/6/2017	<.100	16.00	6.70	402.0
10/5/2017 - 10/9/2017	<.100	19.00	6.67	572.0
11/1/2017 - 11/2/2017	<.100	18.00	6.93	571.0
1/23/2018 - 1/26/2018	<.100	26.00	6.70	592.5
2/21/2018 - 2/23/2018	<.100	23.00	6.77	669.0
3/19/2018 - 3/22/2018	<.100	16.00	6.66	531.3
4/9/2018 - 4/11/2018	<.100	13.00	6.82	521.2
6/4/2018 - 6/6/2018	<.100	15.00	6.91	504.9
7/10/2018 - 7/18/2018	<.100	18.00	6.65	559.0
7/18/2018 - 8/1/2018	<.100	18.00	6.64	503.0
8/1/2018 - 8/2/2018	<.100	18.00	6.64	503.0
9/4/2018 - 9/6/2018	<.100	21.00	6.37	577.0
10/1/2018 - 10/4/2018	<.100	19.00	6.70	594.0
11/6/2018 - 11/8/2018	<.100	17.00	6.68	577.6
12/4/2018 - 12/5/2018	<.100	21.00	6.79	587.6
1/2/2019 - 1/7/2019	<.100	20.00	6.17	536.0
2/4/2019 - 2/6/2019	<.100	14.00	6.77	484.3
3/4/2019 - 3/6/2019	<.100	12.00	6.32	350.0
4/2/2019 - 4/3/2019	<.100	14.00	6.75	474.6
5/1/2019 - 5/9/2019	<.100	11.00	7.50	445.2
6/3/2019 - 6/5/2019	<.100	9.10	6.84	3713.0
6/5/2019 - 6/18/2019	<.100	9.10	6.84	3713.0
7/8/2019 - 7/11/2019	<.100 *	9.40 *	6.61 *	407.9 *
8/5/2019 - 8/8/2019	<.100	7.50	7.71	402.7
9/3/2019 - 9/5/2019	<.100	9.30	7.48	401.6
9/30/2019 - 10/3/2019	<.100	11.00	6.99	418.6
11/5/2019 - 11/6/2019	<.100	9.60	6.45	370.8
12/2/2019 - 12/12/2019	<.100	8.00	6.54	279.6
1/13/2020 - 1/24/2020	<.100	8.25	6.34	243.4
1/24/2020 - 2/4/2020	<1.000	6.75	6.09	208.6
3/2/2020 - 3/4/2020	<.100	7.80	6.51	342.5
4/1/2020 - 4/3/2020	<.100	6.62	6.63	355.7
5/4/2020 - 5/5/2020	<.100	6.65	6.23	381.3
6/1/2020 - 6/3/2020	<.100	6.53	6.42	493.3
7/6/2020 - 7/9/2020	<.100 *	6.37 *	6.53 *	456.6 *
8/3/2020	<.100	7.65	6.14	273.6
9/1/2020 - 9/14/2020	<.100	7.09	6.15	269.0
10/5/2020 - 10/7/2020	<.100	6.64	5.65	140.0
11/2/2020 - 11/5/2020	<.100	5.88	6.16	180.6
12/1/2020 - 12/4/2020	<.100	5.76	6.07	214.1
1/13/2021 - 1/18/2021	<.100 *	6.24 *	6.05 *	270.5 *
2/9/2021 - 2/11/2021	<.100	5.88	5.85	147.8
3/2/2021 - 3/3/2021	<.100	5.38	5.59	146.0
4/6/2021 - 4/9/2021	<.100	5.60	5.44 *	112.0 *
5/4/2021 - 5/5/2021	<.100	5.91	5.98	281.0
6/1/2021 - 6/2/2021	<.100	6.07	5.59	169.0
7/1/2021 - 7/9/2021	<.100 *	5.83 *	5.68 *	173.0 *
8/3/2021 - 8/4/2021	<.100	5.38	5.52	130.0
9/1/2021 - 9/2/2021	<.100	5.10	5.43	118.0
10/4/2021 - 10/7/2021	<.100	4.62	5.67	137.0
11/1/2021 - 11/2/2021	<.100	11.80	6.56	584.0
12/8/2021 - 12/9/2021	<.100	4.35	5.54	117.0
1/12/2022 - 1/19/2022	<.100	5.81 *	5.72 *	160.0 *
2/9/2022 - 2/10/2022	<.100	5.21	5.61	134.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 4**Analytical Data Summary for LGW-3R**

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
3/1/2022 - 3/5/2022	<.100	5.76	5.78	195.0
4/4/2022 - 4/6/2022	<.100	5.73	5.48	145.0
5/6/2022 - 5/7/2022	<.100	5.25	5.73	199.0
6/2/2022 - 6/3/2022	.121	6.11	5.76	338.0
7/9/2022 - 7/13/2022	.110	5.43	5.57	223.0
8/9/2022 - 8/10/2022	<.100	6.03	5.15	175.0
9/7/2022 - 9/8/2022	<.100	5.92	5.14	132.0
10/5/2022 - 10/7/2022	<.100	5.04	4.73	107.0
11/2/2022 - 11/3/2022	<.100	4.91	5.16	121.0
12/6/2022 - 12/7/2022	<.100	5.15	5.07	149.0
1/3/2023 - 1/11/2023	<.100	5.40	5.45	109.0
2/3/2023 - 2/4/2023	<.100	5.74	5.33	205.0
3/1/2023 - 3/2/2023	<.100	6.20	5.04	110.0
4/4/2023 - 4/8/2023	<.100	4.75	5.44	139.0
5/9/2023 - 5/11/2023	<.100	6.05	5.10	118.0
6/7/2023 - 6/8/2023	<.100	5.68	4.68	108.0
7/5/2023 - 7/10/2023	<.100	5.33	4.66	102.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 5

Analytical Data Summary for LGW-4

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
4/30/2013 - 5/2/2013	<.100	9.40	7.16	307.0
6/4/2013 - 6/5/2013	<.100	7.70	7.19	300.0
7/15/2013 - 7/17/2013	<.100	11.00	7.23	362.0
7/30/2013 - 8/9/2013	<.100	11.00	7.34	354.0
9/10/2013 - 9/11/2013	<.100	11.00	7.33	367.0
10/1/2013 - 10/2/2013	<.100	13.00	7.63	401.0
11/6/2013	<.100	9.30	7.29	401.0
12/2/2013 - 12/3/2013	<.100	16.00	7.05	408.0
1/22/2014 - 1/30/2014	<.100	15.00	7.14	398.0
1/30/2014 - 2/13/2014	<.100	15.00	7.28	403.0
3/11/2014 - 3/12/2014	<.100	16.00	7.49	772.0
4/2/2014 - 4/3/2014	.240	16.00	7.50	824.0
5/7/2014	<.100	10.00	7.40	735.0
6/3/2014	<.100	16.00	7.15	409.0
7/8/2014 - 7/18/2014	<.100	15.00	7.49	403.0
8/5/2014 - 8/6/2014	<.100	13.00	7.26	420.0
9/4/2014 - 9/5/2014	<.100	12.00	7.05	411.0
10/8/2014 - 10/9/2014	<.100	12.00	7.67	422.0
10/9/2014 - 10/23/2014	<.100	12.00	7.67	422.0
10/23/2014 - 11/3/2014	<.100	14.00	7.17	430.0
1/14/2015 - 1/15/2015	<.100	12.00	5.95	455.0
2/10/2015 - 2/13/2015	<.100	17.00	7.20	500.0
3/3/2015	<.100	12.00	7.09	459.0
4/1/2015 - 4/2/2015	<.100	10.00	7.11	468.0
5/6/2015 - 5/7/2015	<.100	12.00	7.15	719.0
6/2/2015 - 6/5/2015	<.100	8.40	7.80	690.0
7/7/2015 - 7/16/2015	<.100	12.00	7.27	721.0
7/22/2015 - 8/5/2015	<.100	7.40	7.74	733.0
9/2/2015 - 9/3/2015	<.100	7.50	7.55	743.0
10/5/2015 - 10/6/2015	<.100	8.70	7.91	712.0
11/4/2015 - 11/5/2015	<.100	10.00	7.57	691.0
12/3/2015 - 12/4/2015	<.100	9.20	7.87	430.0
1/5/2016 - 1/8/2016	<.100	8.00	7.21	381.0
2/3/2016 - 2/11/2016	<.100	7.30	7.98	378.0
3/2/2016 - 3/3/2016	<.100	6.90	7.90	382.0
4/5/2016 - 4/6/2016	<.100	9.50	7.78	907.0
5/11/2016 - 5/12/2016	<.100	8.10	7.58	388.0
6/1/2016 - 6/2/2016	<.100	11.00	7.90	419.0
7/19/2016 - 7/22/2016	<.100	12.00	7.43	398.0
8/10/2016 - 8/11/2016	<.100	11.00	8.15	390.0
9/6/2016 - 9/7/2016	<.100	16.00	7.18	392.0
10/5/2016 - 10/7/2016	<.100	14.00	7.10	389.0
11/2/2016 - 11/3/2016	<.100	16.00	7.20	385.0
12/1/2016 - 12/2/2016	<.100	17.00	7.91	496.0
1/10/2017 - 1/13/2017	<.100	19.00	6.19	465.0
2/7/2017 - 2/8/2017	<.100	17.00	6.39	435.0
3/1/2017 - 3/3/2017	<.100	18.00	6.39	460.0
4/4/2017 - 4/6/2017	<.100	16.00	7.16	501.0
5/2/2017 - 5/16/2017	<.100	11.00	7.13 *	427.0 *
6/6/2017 - 6/7/2017	<.100	11.00	7.16	431.0
7/18/2017 - 8/1/2017	<.100 *	13.50 *	7.10 *	463.5 *
8/1/2017 - 8/2/2017	<.100	14.00	7.16	427.0
9/5/2017 - 9/6/2017	<.100	13.00	7.12	449.0
10/5/2017 - 10/9/2017	<.100	14.00	6.71	555.0
11/1/2017 - 11/2/2017	<.100	14.00	6.95	531.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 5

Analytical Data Summary for LGW-4

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
1/23/2018 - 1/26/2018	<.100	19.00	6.63	521.4
2/21/2018 - 2/23/2018	<.100	16.00	6.71	562.6
3/19/2018 - 3/22/2018	<.100	16.00	6.56	509.7
4/9/2018 - 4/11/2018	<.100	13.00	6.69	519.7
6/4/2018 - 6/6/2018	<.100	14.00	7.07	515.0
7/10/2018 - 7/18/2018	<.100	15.00	6.51	572.9
7/18/2018 - 8/1/2018	<.100	15.00	6.72	509.0
8/1/2018 - 8/2/2018	<.100	15.00	6.72	509.0
9/4/2018 - 9/6/2018	<.100	18.00	6.41	567.0
10/1/2018 - 10/4/2018	<.100	15.00	6.71	564.2
11/6/2018 - 11/8/2018	<.100	16.00	6.65	540.7
12/4/2018 - 12/5/2018	<.100	15.00	6.81	553.7
1/2/2019 - 1/7/2019	<.100	14.00	6.25	485.0
2/4/2019 - 2/6/2019	<.100	13.00	6.84	478.2
3/4/2019 - 3/6/2019	<.100	9.70	6.53	320.0
4/2/2019 - 4/3/2019	<.100	14.00	6.49 *	548.2 *
5/1/2019 - 5/9/2019	<.100	11.00	7.18	504.9
6/3/2019 - 6/5/2019	<.100	8.20	6.88	443.5
6/5/2019 - 6/18/2019	<.100	8.20	6.88	443.5
7/8/2019 - 7/11/2019	<.100 *	11.00 *	7.10 *	452.1 *
8/5/2019 - 8/8/2019	<.100	9.60	7.54	532.7
9/3/2019 - 9/5/2019	<.100	12.00	8.01	518.1
9/30/2019 - 10/3/2019	<.100	11.00	7.02	466.7
11/5/2019 - 11/6/2019	<.100	13.00	6.71	547.3
12/2/2019 - 12/12/2019	<.100	7.50	7.38	340.5
1/13/2020 - 1/24/2020	<.100	8.39	7.34	326.7
1/24/2020 - 2/4/2020	<1.000	7.35	7.17	340.2
3/2/2020 - 3/4/2020	<.100	8.24	7.31	355.5
4/1/2020 - 4/3/2020	<.100	6.81	7.40	335.4
5/4/2020 - 5/5/2020	<.100	6.80	7.24	353.3
6/1/2020 - 6/3/2020	<.100	7.66	7.19	371.3
7/6/2020 - 7/9/2020	<.100 *	7.12 *	7.26 *	405.6 *
8/3/2020	<.100	7.51	7.18	334.2
9/1/2020 - 9/14/2020	<.100	6.99	6.98	386.9
10/5/2020 - 10/7/2020	<.100	7.88	6.98	380.4
11/2/2020 - 11/5/2020	<.100	8.08	7.46	369.3
12/1/2020 - 12/4/2020	<.100	6.85	7.20	372.5
1/13/2021 - 1/18/2021	<.100 *	12.00 *	6.26 *	411.4 *
2/9/2021 - 2/11/2021	<.100	7.08	7.27	429.0
3/2/2021 - 3/3/2021	<.100	7.43	6.98	462.0
4/6/2021 - 4/9/2021	<.100	7.27	7.19 *	432.0 *
5/4/2021 - 5/5/2021	<.100	6.80	7.13	434.0
6/1/2021 - 6/2/2021	<.100	7.02	7.09	433.0
7/1/2021 - 7/9/2021	<.100 *	11.00 *	6.86 *	545.0 *
8/3/2021 - 8/4/2021	<.100	7.33	7.13	441.0
9/1/2021 - 9/2/2021	<.100	7.72	7.04	450.0
10/4/2021 - 10/7/2021	<.100	7.04	7.09 *	444.0 *
11/1/2021 - 11/2/2021	<.100	6.85	7.05	454.0
12/8/2021 - 12/9/2021	<.100	6.68	7.03	458.0
1/12/2022 - 1/19/2022	<.100	8.64 *	7.02 *	485.0 *
2/9/2022 - 2/10/2022	<.100	8.38	7.06	491.0
3/1/2022 - 3/5/2022	<.100	8.51	6.97	499.0
4/4/2022 - 4/6/2022	<.100	8.95	6.84	527.0
5/6/2022 - 5/7/2022	<.100	9.30	6.85	570.0
6/2/2022 - 6/3/2022	.305	14.30	6.48	668.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 5

Analytical Data Summary for LGW-4

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
7/9/2022 - 7/13/2022	.127	11.10	6.60	548.0
8/9/2022 - 8/10/2022	<.100	10.40	6.45	556.0
9/7/2022 - 9/8/2022	<.100	12.70	6.44	577.0
10/5/2022 - 10/7/2022	<.100	12.10	6.34	583.0
11/2/2022 - 11/3/2022	<.100	15.10	6.60	639.0
12/6/2022 - 12/7/2022	<.100	17.90	6.42	834.0
1/3/2023 - 1/11/2023	<.100	18.90	6.73	679.0
2/3/2023 - 2/4/2023	<.100	19.30	6.66	1389.0
3/1/2023 - 3/2/2023	<.100	22.70	6.33	817.0
4/4/2023 - 4/8/2023	<.100	21.50	6.43	858.0
5/9/2023 - 5/11/2023	<.100	21.00	6.18	757.0
6/7/2023 - 6/8/2023	<.100	20.20	6.31	757.0
7/5/2023 - 7/10/2023	<.100	17.60	6.16	759.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 6

Analytical Data Summary for LGW-5

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
4/30/2013 - 5/2/2013	<.100	12.0	6.93	382.0
6/4/2013 - 6/5/2013	<.100	9.9	6.81	359.0
7/15/2013 - 7/17/2013	<.100	10.0	6.98	367.0
7/30/2013 - 8/9/2013	<.100	10.0	6.99	541.0
9/10/2013 - 9/11/2013	<.100	11.0	6.98	369.0
10/1/2013 - 10/2/2013	<.100	11.0	7.31	403.0
11/6/2013	<.100	12.0	7.16	409.0
12/2/2013 - 12/3/2013	<.100	13.0	7.89	404.0
1/22/2014 - 1/30/2014	<.100	13.0	6.86	428.0
1/30/2014 - 2/13/2014	<.100	13.0	6.97	426.0
3/11/2014 - 3/12/2014	<.100	14.0	6.93	884.0
4/2/2014 - 4/3/2014	.740	13.0	6.98	932.0
5/7/2014	<.100	14.0	6.92	863.0
6/3/2014	<.100	14.0	6.84	494.0
7/8/2014 - 7/18/2014	<.100	13.0	7.07	573.0
8/5/2014 - 8/6/2014	<.100	13.0	7.23	530.0
9/4/2014 - 9/5/2014	<.100	11.0	6.91	486.0
10/8/2014 - 10/9/2014	<.100	10.0	7.28	455.0
10/9/2014 - 10/23/2014	<.100	10.0	7.28	455.0
10/23/2014 - 11/3/2014	<.100	9.9	7.26	472.0
1/14/2015 - 1/15/2015	<.100	9.1	5.78	490.0
2/10/2015 - 2/13/2015	<.100	13.0	6.68	720.0
3/3/2015	<.100	8.7	6.98	468.0
4/1/2015 - 4/2/2015	<.100	15.0	6.51	595.0
5/6/2015 - 5/7/2015	<.100	16.0	6.76	942.0
6/2/2015 - 6/5/2015	<.100	15.0	6.36	1095.0
7/7/2015 - 7/16/2015	<.100	14.0	6.84	927.0
7/22/2015 - 8/5/2015	<.100	12.0	7.10	910.0
9/2/2015 - 9/3/2015	<.100	12.0	7.56	912.0
10/5/2015 - 10/6/2015	<.100	13.0	7.61	852.0
11/4/2015 - 11/5/2015	<.100	16.0	7.18	817.0
12/3/2015 - 12/4/2015	<.100	16.0	7.31	533.0
1/5/2016 - 1/8/2016	<.100	14.0	7.07	531.0
2/3/2016 - 2/11/2016	<.100	13.0	7.51	513.0
3/2/2016 - 3/3/2016	<.100	14.0	7.48	520.0
4/5/2016 - 4/6/2016	<.100	15.0	7.29	536.0
5/11/2016 - 5/12/2016	<.100	13.0	6.90	494.0
6/1/2016 - 6/2/2016	<.100	16.0	7.30	528.0
7/19/2016 - 7/22/2016	<.100	16.0	6.95	486.0
8/10/2016 - 8/11/2016	<.100	14.0	7.88	487.0
9/6/2016 - 9/7/2016	<.100	17.0	6.79	451.0
10/5/2016 - 10/7/2016	<.100	16.0	6.92	451.0
11/2/2016 - 11/3/2016	<.100	19.0	6.80	435.0
12/1/2016 - 12/2/2016	<.100	19.0	7.61	570.0
1/10/2017 - 1/13/2017	<.100	20.0	5.67	531.0
2/7/2017 - 2/8/2017	<.100	20.0	6.26	473.0
3/1/2017 - 3/3/2017	<.100	20.0	6.12	576.0
4/4/2017 - 4/6/2017	<.100	20.0	6.82	580.0
5/2/2017 - 5/16/2017	<.100	17.0	6.77	598.0
6/6/2017 - 6/7/2017	<.100	16.0	7.09	520.0
7/18/2017 - 8/1/2017	<.100 *	16.0 *	6.96 *	546.0 *
8/1/2017 - 8/2/2017	<.100	16.0	7.20	525.0
9/5/2017 - 9/6/2017	<.100	16.0	6.88	521.0
10/5/2017 - 10/9/2017	<.100	16.0	7.22	599.0
11/1/2017 - 11/2/2017	<.100	17.0	6.76	623.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 6

Analytical Data Summary for LGW-5

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
1/23/2018 - 1/26/2018	<.100	18.0	6.54	532.4
2/21/2018 - 2/23/2018	<.100	15.0	6.56	551.6
3/19/2018 - 3/22/2018	<.100	17.0	6.54	556.7
4/9/2018 - 4/11/2018	<.100	14.0	6.58	543.4
6/4/2018 - 6/6/2018	<.100	16.0	7.50	550.1
7/10/2018 - 7/18/2018	<.100	15.0	6.23	604.0
7/18/2018 - 8/1/2018	<.100	16.0	6.42	549.0
8/1/2018 - 8/2/2018	<.100	16.0	6.42	549.0
9/4/2018 - 9/6/2018	<.100	18.0	6.49	624.0
10/1/2018 - 10/4/2018	<.100	16.0	6.53	594.0
11/6/2018 - 11/8/2018	<.100	14.0	6.49	558.1
12/4/2018 - 12/5/2018	<.100	16.0	6.61	575.5
1/2/2019 - 1/7/2019	<.100	16.0	6.08	515.0
2/4/2019 - 2/6/2019	<.100	16.0	6.56	514.7
3/4/2019 - 3/6/2019	<.100	13.0	5.85	523.0
4/2/2019 - 4/3/2019	<.100	16.0	6.30 *	602.0 *
5/1/2019 - 5/9/2019	<.100	14.0	6.66	577.0
6/3/2019 - 6/5/2019	<.100	12.0	6.50	573.0
7/8/2019 - 7/11/2019	<.100 *	14.0 *	6.66 *	605.0 *
8/5/2019 - 8/8/2019	<.100	12.0	7.32	609.0
9/3/2019 - 9/5/2019	<.100	15.0	7.51	581.0
9/30/2019 - 10/3/2019	<.100	16.0	6.85	581.0
11/5/2019 - 11/6/2019	<.100	15.0	6.49	603.0
12/2/2019 - 12/12/2019	<.100	16.0	6.62	499.0
1/13/2020 - 1/24/2020	<.100	15.5	6.54	502.7
1/24/2020 - 2/4/2020	<1.000	15.7	6.57	500.6
3/2/2020 - 3/4/2020	<.100	15.3	6.53	546.8
4/1/2020 - 4/3/2020	<.100	15.1	6.57	524.5
5/4/2020 - 5/5/2020	<.100	14.0	6.09	556.0
6/1/2020 - 6/3/2020	<.100	14.9	6.41	529.8
7/6/2020 - 7/9/2020	<.100 *	15.2 *	6.44 *	637.0 *
8/3/2020	<.100	15.5	6.41	518.9
9/1/2020 - 9/14/2020	<.100	16.1	6.44	577.0
10/5/2020 - 10/7/2020	<.100	16.4	6.40 *	601.0 *
11/2/2020 - 11/5/2020	<.100	16.7	6.49	587.0
12/1/2020 - 12/4/2020	<.100	16.8	6.38	618.5
1/13/2021 - 1/18/2021	<.100 *	17.6 *	6.07 *	441.4 *
2/9/2021 - 2/11/2021	<.100	17.4	6.55	675.0
3/2/2021 - 3/3/2021	<.100	17.1	6.32	691.0
4/6/2021 - 4/9/2021	<.100	17.4	6.38 *	685.0 *
5/4/2021 - 5/5/2021	<.100	16.5	6.32	693.0
6/1/2021 - 6/2/2021	<.100	17.5	6.33	696.0
7/1/2021 - 7/9/2021	<.100 *	18.0 *	6.40 *	707.0 *
8/3/2021 - 8/4/2021	<.100	17.4	6.38	699.0
9/1/2021 - 9/2/2021	<.100	18.3	6.32	705.0
10/4/2021 - 10/7/2021	<.100	18.6 *	6.39 *	683.0 *
11/1/2021 - 11/2/2021	<.100	17.7	6.34	692.0
12/8/2021 - 12/9/2021	<.100	18.8	6.36	676.0
1/12/2022 - 1/19/2022	<.100	22.2 *	6.37 *	692.0 *
2/9/2022 - 2/10/2022	<.100	22.2	6.39	707.0
3/1/2022 - 3/5/2022	<.100	23.3	6.33	705.0
4/4/2022 - 4/6/2022	<.100	24.7	6.26 *	711.0 *
5/6/2022 - 5/7/2022	<.100	28.5	6.14	765.0
6/2/2022 - 6/3/2022	.140	29.7	5.95	817.0
7/9/2022 - 7/13/2022	.185	27.8	6.05	752.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 6

Analytical Data Summary for LGW-5

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
8/9/2022 - 8/10/2022	<.100	27.7	5.97	708.0
9/7/2022 - 9/8/2022	<.100	29.7	6.03	689.0
10/5/2022 - 10/7/2022	<.100	28.1	5.73 *	694.0 *
11/2/2022 - 11/3/2022	<.100	27.5	6.17	722.0
12/6/2022 - 12/7/2022	.172	26.9	6.11	909.0
1/3/2023 - 1/11/2023	.100	33.2	6.35	720.0
2/3/2023 - 2/4/2023	<.100	33.4	6.29	1355.0
3/1/2023 - 3/2/2023	<.100	39.0	5.95	751.0
4/4/2023 - 4/8/2023	.162	35.5	6.10	834.0
5/9/2023 - 5/11/2023	.151	31.1	5.99	727.0
6/7/2023 - 6/8/2023	.120	33.7	5.68	748.0
7/5/2023 - 7/10/2023	.182	31.9	6.14	798.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 7

Analytical Data Summary for LGW-6

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
12/6/2012	<.100 *	13.0 *	7.02 *	422.0 *
1/23/2013 - 2/5/2013	<.100 *	13.0 *	7.19 *	432.5 *
3/5/2013	<.100 *	13.0 *	7.18 *	445.0 *
4/30/2013 - 5/2/2013	<.100	13.0	7.11	454.0
6/4/2013 - 6/5/2013	<.100	13.0	7.02	470.0
7/15/2013 - 7/17/2013	<.100	13.0	6.95	423.0
7/30/2013 - 8/9/2013	<.100	13.0	7.10	417.0
9/10/2013 - 9/11/2013	<.100	13.0	7.08	417.0
10/1/2013 - 10/2/2013	<.100	13.0	7.38	455.0
11/6/2013	<.100	13.0	7.20	454.0
12/2/2013 - 12/3/2013	<.100	13.0	6.91	432.0
1/22/2014 - 1/30/2014	<.100	13.0	6.83	415.0
1/30/2014 - 2/13/2014	<.100	12.0	7.19	417.0
3/11/2014 - 3/12/2014	<.100	13.0	7.36	896.0
4/2/2014 - 4/3/2014	.260	12.0	7.35	950.0
5/7/2014	<.100	13.0	7.19	815.0
6/3/2014	<.100	12.0	7.05	438.0
7/8/2014 - 7/18/2014	<.100	12.0	7.28	352.0
8/5/2014 - 8/6/2014	<.100	13.0	7.42	487.0
9/4/2014 - 9/5/2014	<.100	13.0	7.23	462.0
10/8/2014 - 10/9/2014	<.100	13.0	7.48	478.0
10/9/2014 - 10/23/2014	<.100	13.0	7.48	478.0
10/23/2014 - 11/3/2014	<.100	13.0	7.37	456.0
1/14/2015 - 1/15/2015	<.100	13.0	5.73	480.0
2/10/2015 - 2/13/2015	<.100	13.0	6.97	489.0
3/3/2015	<.100	13.0	7.25	473.0
4/1/2015 - 4/2/2015	<.100	12.0	6.96	500.0
5/6/2015 - 5/7/2015	<.100	13.0	7.20	775.0
6/2/2015 - 6/5/2015	<.100	13.0	7.44	803.0
7/16/2015 - 7/22/2015	<.100	11.0	7.14	892.0
7/22/2015 - 8/5/2015	<.100 *	11.5 *	7.26 *	885.5 *
9/2/2015 - 9/3/2015	<.100	11.0	7.67	907.0
10/5/2015 - 10/6/2015	<.100	11.0	8.33	845.0
11/4/2015 - 11/5/2015	<.100	12.0	7.21	823.0
12/3/2015 - 12/4/2015	<.100	13.0	7.29	495.0
1/5/2016 - 1/8/2016	<.100	13.0	7.17	480.0
2/3/2016 - 2/11/2016	<.100	12.0	8.05	513.0
3/2/2016 - 3/3/2016	<.100	12.0	7.67	534.0
4/5/2016 - 4/6/2016	<.100	13.0	7.53	561.0
5/11/2016 - 5/12/2016	<.100	11.0	7.21	559.0
6/1/2016 - 6/2/2016	<.100	13.0	7.35	569.0
7/19/2016 - 7/22/2016	<.100	13.0	7.65	525.0
8/10/2016 - 8/11/2016	<.100	11.0	8.50	513.0
9/6/2016 - 9/7/2016	<.100	13.0	6.85 *	503.0 *
10/5/2016 - 10/7/2016	<.100 *	12.5 *	6.95	496.0
11/2/2016 - 11/3/2016	<.100	13.0	6.77	494.0
12/1/2016 - 12/2/2016	<.100	13.0	7.73	617.0
1/10/2017 - 1/13/2017	<.100	14.0	5.40	572.0
2/7/2017 - 2/8/2017	<.100	13.0	6.13	402.0
3/1/2017 - 3/3/2017	<.100	13.0	6.09	569.0
4/4/2017 - 4/6/2017	<.100	14.0	6.83	604.0
5/2/2017 - 5/16/2017	<.100 *	13.5 *	6.95 *	638.0 *
6/6/2017 - 6/7/2017	<.100	13.0	6.90	531.0
7/18/2017 - 8/1/2017	<.100 *	13.5 *	6.92 *	493.0 *
8/1/2017 - 8/2/2017	<.100	13.0	7.22	520.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 7

Analytical Data Summary for LGW-6

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
9/5/2017 - 9/6/2017	<.100	15.0	6.50	517.0
10/5/2017 - 10/9/2017	<.100	14.0	6.67	641.0
11/1/2017 - 11/2/2017	<.100	14.0	6.71	636.0
1/23/2018 - 1/26/2018	<.100	16.0	6.54	572.8
2/21/2018 - 2/23/2018	<.100	13.0	6.82	629.0
3/19/2018 - 3/22/2018	<.100	15.0	6.58	593.3
4/9/2018 - 4/11/2018	<.100 *	14.0 *	6.54 *	578.0 *
6/4/2018 - 6/6/2018	<.100	15.0	6.88 *	597.0 *
7/10/2018 - 7/18/2018	<.100	14.0	6.57	631.0
7/18/2018 - 8/1/2018	<.100	15.0	6.41	612.0
8/1/2018 - 8/2/2018	<.100	15.0	6.41	612.0
9/4/2018 - 9/6/2018	<.100	17.0	6.29	652.0
10/1/2018 - 10/4/2018	<.100 *	14.0 *	6.18 *	664.0 *
11/6/2018 - 11/8/2018	<.100	12.0	6.54	634.0
12/4/2018 - 12/5/2018	<.100	14.0	6.59	642.0
1/2/2019 - 1/7/2019	<.100	13.0	6.43	550.0
2/4/2019 - 2/6/2019	<.100	14.0	6.54	567.9
3/4/2019 - 3/6/2019	<.100	13.0	6.21	406.0
4/2/2019 - 4/3/2019	<.100	14.0	6.43	665.0
5/1/2019 - 5/9/2019	<.100	12.0	6.76	586.2
6/3/2019 - 6/5/2019	<.100	11.0	6.40	633.0
7/8/2019 - 7/11/2019	<.100 *	14.0 *	6.44 *	701.0 *
8/5/2019 - 8/8/2019	<.100	11.0	6.31	631.0
9/3/2019 - 9/5/2019	<.100	14.0	6.35	642.0
9/30/2019 - 10/3/2019	<.100 *	14.5 *	6.65 *	652.0 *
11/5/2019 - 11/6/2019	<.100	13.0	6.53	671.0
12/2/2019 - 12/12/2019	<.100	14.0	6.69	584.5
1/13/2020 - 1/24/2020	<.100	13.4	6.21	547.2
1/24/2020 - 2/4/2020	<.1000	13.7	6.54	558.3
3/2/2020 - 3/4/2020	<.100	13.1	6.52	575.9
4/1/2020 - 4/3/2020	<.100	12.8	6.46 *	600.6 *
5/4/2020 - 5/5/2020	<.100	11.7	6.42	596.2
6/1/2020 - 6/3/2020	<.100	12.5	6.42	602.0
7/6/2020 - 7/9/2020	<.100 *	12.0 *	6.43 *	687.0 *
8/3/2020	<.100	12.0	6.45	548.3
9/1/2020 - 9/14/2020	<.100	12.1	6.43	657.0
10/5/2020 - 10/7/2020	<.100	12.3 *	6.46 *	567.4 *
11/2/2020 - 11/5/2020	<.100	12.2	6.58	604.1
12/1/2020 - 12/4/2020	<.100	12.1	6.44	637.0
1/13/2021 - 1/18/2021	<.100 *	12.2 *	6.17	463.4
2/9/2021 - 2/11/2021	<.100	12.5	6.60	716.0
3/2/2021 - 3/3/2021	<.100	12.1	6.41	716.0
4/6/2021 - 4/9/2021	<.100	12.2	6.49 *	707.0 *
5/4/2021 - 5/5/2021	<.100	12.0	6.35	726.0
6/1/2021 - 6/2/2021	<.100	12.3	6.37	731.0
7/1/2021 - 7/9/2021	<.100 *	12.1 *	6.50 *	734.0 *
8/3/2021 - 8/4/2021	<.100	11.8	6.48	709.0
9/1/2021 - 9/2/2021	<.100	12.5	6.44	715.0
10/4/2021 - 10/7/2021	<.100	12.6 *	6.50 *	701.0 *
11/1/2021 - 11/2/2021	<.100	11.6	6.42	709.0
12/8/2021 - 12/9/2021	<.100	11.0	6.47	695.0
1/12/2022 - 1/19/2022	<.100	12.6 *	6.50 *	710.0 *
2/9/2022 - 2/10/2022	<.100	12.7	6.51	725.0
3/1/2022 - 3/5/2022	<.100	12.6	6.46	718.0
4/4/2022 - 4/6/2022	<.100	12.8	6.42 *	730.0 *

* - The displayed value is the arithmetic mean of multiple database matches.

Table 7

Analytical Data Summary for LGW-6

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
5/6/2022 - 5/7/2022	<.100	13.0	6.32	773.0
6/2/2022 - 6/3/2022	<.100	14.2	6.11	804.0
7/9/2022 - 7/13/2022	.143	13.3	6.13	718.0
8/9/2022 - 8/10/2022	<.100	12.7	6.07	727.0
9/7/2022 - 9/8/2022	<.100	13.6	6.06	655.0
10/5/2022 - 10/7/2022	<.100	12.6	5.74 *	624.0 *
11/2/2022 - 11/3/2022	<.100	12.8	6.22	703.0
12/6/2022 - 12/7/2022	<.100	13.0	6.12	821.0
1/3/2023 - 1/11/2023	<.100	13.5	6.43	645.0
2/3/2023 - 2/4/2023	<.100	14.6	6.34	1341.0
3/1/2023 - 3/2/2023	<.100	14.6	6.10	703.0
4/4/2023 - 4/8/2023	<.100	14.1	6.25	780.0
5/9/2023 - 5/11/2023	<.100	14.5	6.10	686.0
6/7/2023 - 6/8/2023	<.100	15.5	5.69	708.0
7/5/2023 - 7/10/2023	<.100	15.0	6.27	749.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 8

Analytical Data Summary for LGW-7

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
4/30/2013 - 5/2/2013	<.100	11.0	6.48	412.0
6/4/2013 - 6/5/2013	<.100	11.0	6.31	436.0
7/15/2013 - 7/17/2013	<.100	11.0	6.61	389.0
7/30/2013 - 8/9/2013	<.100	11.0	6.78	449.0
9/10/2013 - 9/11/2013	<.100	12.0	6.64	437.0
10/1/2013 - 10/2/2013	<.100	11.0	6.92	475.0
11/6/2013	<.100	12.0	7.05	467.0
12/2/2013 - 12/3/2013	<.100	12.0	6.78	446.0
1/22/2014 - 1/30/2014	<.100	12.0	6.36	447.0
1/30/2014 - 2/13/2014	<.100	11.0	6.60	446.0
3/11/2014 - 3/12/2014	<.100	12.0	7.09	891.0
4/2/2014 - 4/3/2014	.380	12.0	6.83	909.0
5/7/2014	<.100	12.0	7.25	842.0
6/3/2014	<.100	12.0	6.74	466.0
7/8/2014 - 7/18/2014	<.100	12.0	7.22	462.0
8/5/2014 - 8/6/2014	<.100	12.0	6.79	501.0
9/4/2014 - 9/5/2014	<.100	12.0	7.13	470.0
10/8/2014 - 10/9/2014	<.100	12.0	7.11	511.0
10/9/2014 - 10/23/2014	<.100	12.0	7.11	511.0
10/23/2014 - 11/3/2014	<.100	12.0	7.22	497.0
1/14/2015 - 1/15/2015	<.100	13.0	5.60	515.0
2/10/2015 - 2/13/2015	<.100	13.0	6.39	540.0
3/3/2015	<.100	13.0	6.77	511.0
4/1/2015 - 4/2/2015	<.100	13.0	6.56	525.0
5/6/2015 - 5/7/2015	<.100	13.0	6.82	833.0
6/2/2015 - 6/5/2015	<.100	15.0	7.35	816.0
7/16/2015 - 7/22/2015	<.100	14.0	7.29	841.0
7/22/2015 - 8/5/2015	<.100 *	13.0 *	7.34 *	831.0 *
9/2/2015 - 9/3/2015	<.100	11.0	7.98	830.0
10/5/2015 - 10/6/2015	<.100	11.0	7.69	861.0
11/4/2015 - 11/5/2015	<.100	12.0	7.20	840.0
12/3/2015 - 12/4/2015	<.100	14.0	7.31	509.0
1/5/2016 - 1/8/2016	<.100	15.0	7.28	473.0
2/3/2016 - 2/11/2016	<.100	13.0	7.37 *	501.5 *
3/2/2016 - 3/3/2016	<.100	13.0	7.42	506.0
4/5/2016 - 4/6/2016	<.100	11.0	7.13	514.0
5/11/2016 - 5/12/2016	<.100	11.0	6.84	483.0
6/1/2016 - 6/2/2016	<.100	14.0	7.05	538.0
7/19/2016 - 7/22/2016	<.100	13.0	6.42	453.0
8/10/2016 - 8/11/2016	<.100	10.0	7.51	484.0
9/6/2016 - 9/7/2016	<.100	14.0	6.86 *	471.0 *
10/5/2016 - 10/7/2016	<.100 *	12.5 *	6.98	450.0
11/2/2016 - 11/3/2016	<.100	14.0	6.82	450.0
12/1/2016 - 12/2/2016	<.100	13.0	7.89	400.0
1/10/2017 - 1/13/2017	<.100	13.0	6.20	386.0
2/7/2017 - 2/8/2017	<.100	13.0	7.50	370.0
3/1/2017 - 3/3/2017	<.100	13.0	6.31	466.0
4/4/2017 - 4/6/2017	<.100	13.0	6.94	501.0
5/2/2017 - 5/16/2017	<.100	19.0	6.74	504.0
6/6/2017 - 6/7/2017	<.100	16.0	7.37	399.0
7/18/2017 - 8/1/2017	<.100 *	13.0 *	7.22 *	446.0 *
8/1/2017 - 8/2/2017	<.100	11.0	7.36	419.0
9/5/2017 - 9/6/2017	<.100	14.0	7.31	373.0
10/5/2017 - 10/9/2017	<.100	14.0	7.45	598.0
11/1/2017 - 11/2/2017	<.100	13.0	7.26	458.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 8

Analytical Data Summary for LGW-7

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
1/23/2018 - 1/26/2018	<.100	12.0	6.48	549.7
2/21/2018 - 2/23/2018	<.100	12.0	6.70	543.8
3/19/2018 - 3/22/2018	<.100	18.0	6.47	536.1
4/9/2018 - 4/11/2018	<.100 *	16.0 *	6.52 *	531.3 *
6/4/2018 - 6/6/2018	<.100	15.0	6.72 *	532.3 *
7/10/2018 - 7/18/2018	<.100	14.0	6.65	554.0
8/1/2018 - 8/2/2018	<.100	15.0	6.47	6.0
9/4/2018 - 9/6/2018	<.100	18.0	6.31	537.0
10/1/2018 - 10/4/2018	<.100 *	15.0 *	6.44 *	544.9 *
11/6/2018 - 11/8/2018	<.100	12.0	6.48	513.6
12/4/2018 - 12/5/2018	<.100	15.0	6.51	539.0
1/2/2019 - 1/7/2019	<.100	16.0	6.32	463.0
2/4/2019 - 2/6/2019	<.100	17.0	6.40	489.2
3/4/2019 - 3/6/2019	<.100	17.0	5.90	498.0
4/2/2019 - 4/3/2019	<.100	17.0	6.30	562.3
5/1/2019 - 5/9/2019	<.100	13.0	6.90	474.5
6/3/2019 - 6/5/2019	<.100	14.0	6.55	512.9
7/8/2019 - 7/11/2019	<.100 *	17.0 *	6.37 *	569.0 *
8/5/2019 - 8/8/2019	<.100	11.0	7.26	470.2
9/3/2019 - 9/5/2019	<.100	14.0	6.74	510.8
9/30/2019 - 10/3/2019	<.100 *	15.0 *	6.74 *	538.3 *
11/5/2019 - 11/6/2019	<.100	16.0	6.48	565.6
12/2/2019 - 12/12/2019	<.100	16.0	6.71	441.1
1/13/2020 - 1/24/2020	<.100	15.0	6.67	440.3
1/24/2020 - 2/4/2020	<1.000	14.1	6.90	426.4
3/2/2020 - 3/4/2020	<.100	13.8	6.98	449.3
4/1/2020 - 4/3/2020	<.100	14.3	6.64	488.5
5/4/2020 - 5/5/2020	<.100	13.4	6.57	503.0
6/1/2020 - 6/3/2020	<.100	14.1	6.91	471.4
7/6/2020 - 7/9/2020	<.100 *	13.8 *	7.02 *	531.3 *
8/3/2020	<.100	12.8	7.23	401.6
9/1/2020 - 9/14/2020	<.100	13.5	6.94	483.0
10/5/2020 - 10/7/2020	<.100	13.3	6.95	425.7
11/2/2020 - 11/5/2020	<.100	13.3	7.28	423.5
12/1/2020 - 12/4/2020	<.100	13.8	6.91	470.4
1/13/2021 - 1/18/2021	<.100 *	13.6 *	6.73	352.4
2/9/2021 - 2/11/2021	<.100	13.1	7.17	496.5
3/2/2021 - 3/3/2021	<.100	12.6	7.08	488.0
4/6/2021 - 4/9/2021	<.100	12.9	7.09	491.0
5/4/2021 - 5/5/2021	<.100	13.5	6.62	541.0
6/1/2021 - 6/2/2021	<.100	13.4	6.85	522.0
7/1/2021 - 7/9/2021	<.100 *	14.2 *	6.95 *	541.0 *
8/3/2021 - 8/4/2021	<.100	13.3	6.93	532.0
9/1/2021 - 9/2/2021	<.100	13.1	7.02	504.0
10/4/2021 - 10/7/2021	<.100	13.5 *	6.97 *	526.0 *
11/1/2021 - 11/2/2021	<.100	12.4	6.96	514.0
12/8/2021 - 12/9/2021	<.100	12.1	6.96	517.0
1/12/2022 - 1/19/2022	<.100	13.6 *	6.97 *	511.0 *
2/9/2022 - 2/10/2022	<.100	13.1	7.05	526.0
3/1/2022 - 3/5/2022	<.100	13.8	6.77	558.0
4/4/2022 - 4/6/2022	<.100	14.7	6.64 *	605.0 *
5/6/2022 - 5/7/2022	<.100	15.7	6.39	648.0
6/2/2022 - 6/3/2022	.121	17.5	6.29	714.0
7/9/2022 - 7/13/2022	.182	17.2	6.15	645.0
8/9/2022 - 8/10/2022	<.100	15.0	6.28	613.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 8

Analytical Data Summary for LGW-7

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
9/7/2022 - 9/8/2022	<.100	14.7	6.50	555.0
10/5/2022 - 10/7/2022	<.100	12.6	6.31	489.0
11/2/2022 - 11/3/2022	<.100	11.8	6.92	541.0
12/6/2022 - 12/7/2022	<.100	13.1	6.71	664.0
1/3/2023 - 1/11/2023	<.100	13.1	7.05	513.0
2/3/2023 - 2/4/2023	<.100	13.7	6.94	1026.0
3/1/2023 - 3/2/2023	<.100	16.0	6.51	624.0
4/4/2023 - 4/8/2023	<.100	17.0	6.47	706.0
5/9/2023 - 5/11/2023	<.100	15.1	6.39	582.0
6/7/2023 - 6/8/2023	<.100	13.4	6.30	530.0
7/5/2023 - 7/10/2023	<.100	17.3	6.40	669.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for LGW-8R

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
4/30/2013 - 5/2/2013	<.100	12.0	<6.99	<479.0
6/4/2013 - 6/5/2013	<.100	12.0	6.82	496.0
7/15/2013 - 7/17/2013	<.100	12.0	<7.07	<477.0
7/30/2013 - 8/9/2013	<.100	12.0	7.18	487.0
9/10/2013 - 9/11/2013	<.100	12.0	7.19	479.0
10/1/2013 - 10/2/2013	<.100	12.0	7.46	506.0
11/6/2013	<.100	12.0	7.24	497.0
12/2/2013 - 12/3/2013	<.100	12.0	7.10	472.0
1/22/2014 - 1/30/2014	<.100	13.0	7.02	497.0
1/30/2014 - 2/13/2014	<.100	12.0	7.32	460.0
3/11/2014 - 3/12/2014	<.100	12.0	7.53	918.0
4/2/2014 - 4/3/2014	.130	13.0	7.22	963.0
5/7/2014	<.100	12.0	7.20	891.0
6/3/2014	<.100	13.0	6.95	490.0
7/8/2014 - 7/18/2014	<.100	12.0	7.25	486.0
8/5/2014 - 8/6/2014	<.100	13.0	6.94	495.0
9/4/2014 - 9/5/2014	<.100	12.0	6.86	490.0
10/8/2014 - 10/9/2014	<.100	12.0	7.46	479.0
10/9/2014 - 10/23/2014	<.100	12.0	7.46	479.0
10/23/2014 - 11/3/2014	<.100	13.0	7.48	455.0
1/14/2015 - 1/15/2015	<.100	13.0	5.97	451.0
2/10/2015 - 2/13/2015	<.100	13.0	6.72	515.0
3/3/2015	<.100	13.0	7.08	462.0
4/1/2015 - 4/2/2015	<.100	13.0	7.04	530.0
5/6/2015 - 5/7/2015	<.100	14.0	7.30	738.0
6/2/2015 - 6/5/2015	<.100	12.0	7.66	841.0
7/16/2015 - 7/22/2015	<.100	12.0	7.27	929.0
7/22/2015 - 8/5/2015	<.100 *	12.0 *	7.39 *	922.5 *
9/2/2015 - 9/3/2015	<.100	11.0	7.61	926.0
10/5/2015 - 10/6/2015	<.100	11.0	7.88	874.0
11/4/2015 - 11/5/2015	<.100	13.0	7.23	840.0
12/3/2015 - 12/4/2015	<.100	14.0	7.31	514.0
1/5/2016 - 1/8/2016	<.100	14.0	7.07	497.0
2/3/2016 - 2/11/2016	<.100	13.0	7.92	504.0
3/2/2016 - 3/3/2016	<.100	13.0	7.50	509.0
4/5/2016 - 4/6/2016	<.100	13.0	7.84	522.0
5/11/2016 - 5/12/2016	<.100	11.0	7.30	490.0
6/1/2016 - 6/2/2016	<.100	14.0	7.37	520.0
7/19/2016 - 7/22/2016	<.100	13.0	6.69	443.0
8/10/2016 - 8/11/2016	<.100	12.0	7.68	469.0
9/6/2016 - 9/7/2016	<.100	14.0	7.08	453.0
10/5/2016 - 10/7/2016	<.100	12.0	6.96	431.0
11/2/2016 - 11/3/2016	<.100	14.0	7.20	405.0
12/1/2016 - 12/2/2016	<.100	14.0	7.81	510.0
1/10/2017 - 1/13/2017	<.100	14.0	5.78	441.0
2/7/2017 - 2/8/2017	<.100	14.0	7.81	420.0
3/1/2017 - 3/3/2017	<.100	14.0	6.21	524.0
4/4/2017 - 4/6/2017	<.100	14.0	7.00	477.0
5/2/2017 - 5/16/2017	<.100	15.0	7.15	530.0
6/6/2017 - 6/7/2017	<.100	15.0	7.18	417.0
7/18/2017 - 8/1/2017	<.100 *	14.0 *	7.14 *	532.5 *
8/1/2017 - 8/2/2017	<.100	13.0	7.26	526.0
9/5/2017 - 9/6/2017	<.100	15.0	7.02	501.0
10/5/2017 - 10/9/2017	<.100	15.0	7.70	518.0
11/1/2017 - 11/2/2017	<.100	15.0	7.02	556.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for LGW-8R

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
1/23/2018 - 1/26/2018	<.100	13.0	6.77	514.0
2/21/2018 - 2/23/2018	<.100	13.0	6.83	530.8
3/19/2018 - 3/22/2018	<.100	15.0	6.78	531.2
4/9/2018 - 4/11/2018	<.100	13.0	6.87	547.9
6/4/2018 - 6/6/2018	<.100	15.0	7.05	556.4
6/21/2018			6.91	588.2
7/10/2018 - 7/18/2018	<.100	14.0	6.52	612.0
8/1/2018 - 8/2/2018	<.100	9.6	6.41	418.0
9/4/2018 - 9/6/2018	<.100	17.0	6.56	595.0
10/1/2018 - 10/4/2018	<.100	15.0	6.84	583.0
11/6/2018 - 11/8/2018	<.100	14.0	6.77	568.2
12/4/2018 - 12/5/2018	<.100	15.0	6.88	590.8
1/2/2019 - 1/7/2019	<.100	14.0	6.64	483.0
2/4/2019 - 2/6/2019	<.100	15.0	6.88	525.2
3/4/2019 - 3/6/2019	<.100	14.0	6.22	542.0
4/2/2019 - 4/3/2019	<.100	15.0	6.74	608.7
5/1/2019 - 5/9/2019	<.100	14.0	7.04	585.0
6/3/2019 - 6/5/2019	<.100	13.0	6.70	581.9
7/8/2019 - 7/11/2019	<.100 *	15.0 *	7.05 *	661.0 *
8/5/2019 - 8/8/2019	<.100	12.0	7.15	583.8
9/3/2019 - 9/5/2019	<.100	15.0	6.65	575.6
9/30/2019 - 10/3/2019	<.100	15.0	6.90	567.7
11/5/2019 - 11/6/2019	<.100	14.0	6.75	601.0
12/2/2019 - 12/12/2019	<.100	16.0	6.91	528.9
1/13/2020 - 1/24/2020	<.100	15.7	6.82	508.5
1/24/2020 - 2/4/2020	<1.000	15.6	6.69	519.8
3/2/2020 - 3/4/2020	<.100	15.4	6.83	523.5
4/1/2020 - 4/3/2020	<.100	15.4	6.74	524.6
5/4/2020 - 5/5/2020	<.100	14.4	6.72	554.9
6/1/2020 - 6/3/2020	<.100	15.7	7.10	530.7
7/6/2020 - 7/9/2020	<.100 *	15.8 *	6.79 *	617.0 *
8/3/2020	<.100	15.9	6.49	518.1
9/1/2020 - 9/14/2020	<.100	16.0	6.61	567.6
10/5/2020 - 10/7/2020	<.100	15.6	6.77	524.5
11/2/2020 - 11/5/2020	<.100	15.7	6.69	539.6
12/1/2020 - 12/4/2020	<.100	15.8	6.57	536.7
1/13/2021 - 1/18/2021	<.100 *	16.4 *	6.35	436.4
2/9/2021 - 2/11/2021	<.100	15.8	6.87	656.0
3/2/2021 - 3/3/2021	<.100	15.5	6.71	673.0
4/6/2021 - 4/9/2021	<.100	15.9	6.79	665.0
5/4/2021 - 5/5/2021	<.100	15.4	6.66	686.0
6/1/2021 - 6/2/2021	<.100	15.9	6.73	683.0
7/1/2021 - 7/9/2021	<.100 *	16.3 *	6.74 *	686.0 *
8/3/2021 - 8/4/2021	<.100	15.9	6.81	681.0
9/1/2021 - 9/2/2021	<.100	16.2	6.75	687.0
10/4/2021 - 10/7/2021	<.100	15.6	6.80	679.0
11/1/2021 - 11/2/2021	<.100	15.5	6.70	681.0
12/8/2021 - 12/9/2021	<.100	14.6	6.76	673.0
1/12/2022 - 1/19/2022	<.100	16.6 *	6.71 *	682.0 *
2/9/2022 - 2/10/2022	<.100	16.2	6.78	692.0
3/1/2022 - 3/5/2022	<.100	16.5	6.72	695.0
4/4/2022 - 4/6/2022	<.100	16.4	6.63	712.0
5/6/2022 - 5/7/2022	<.100	16.8	6.63	764.0
6/2/2022 - 6/3/2022	<.100	17.2	6.46	816.0
7/9/2022 - 7/13/2022	.145	17.2	6.44	749.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for LGW-8R

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
8/9/2022 - 8/10/2022	<.100	16.5	6.33	727.0
9/7/2022 - 9/8/2022	<.100	17.9	6.39	658.0
10/5/2022 - 10/7/2022	<.100	16.4	6.03 *	619.0 *
11/2/2022 - 11/3/2022	<.100	16.1	6.52	769.0
12/6/2022 - 12/7/2022	<.100	16.7	6.46	839.0
1/3/2023 - 1/11/2023	<.100	16.7	6.75	667.0
2/3/2023 - 2/4/2023	<.100	17.7	6.67	1353.0
3/1/2023 - 3/2/2023	<.100	18.2	6.39	729.0
4/4/2023 - 4/8/2023	<.100	17.1	6.53	784.0
5/9/2023 - 5/11/2023	<.100	17.9	6.23	729.0
6/7/2023 - 6/8/2023	<.100	18.8	5.99	760.0
7/5/2023 - 7/10/2023	<.100	18.0	6.42	779.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 10

Analytical Data Summary for LGW-9

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
4/30/2013 - 5/2/2013	.170	17.0	6.39	618.0
6/4/2013 - 6/5/2013	.160	16.0	6.27	619.0
7/15/2013 - 7/17/2013	.170	16.0	6.40	566.0
7/30/2013 - 8/9/2013	.150	17.0	6.65	588.0
9/10/2013 - 9/11/2013	.150	17.0	6.37	534.0
10/1/2013 - 10/2/2013	.260	17.0	6.78	559.0
11/6/2013	.140	17.0	6.64	557.0
12/2/2013 - 12/3/2013	.110	18.0	6.55	534.0
1/22/2014 - 1/30/2014	.130	19.0	6.39	538.0
1/30/2014 - 2/13/2014	.120	19.0	6.57	541.0
3/11/2014 - 3/12/2014	.120	20.0	6.68	1078.0
4/2/2014 - 4/3/2014	.340	20.0	6.65	1142.0
5/7/2014	.120	20.0	6.82	1019.0
6/3/2014	<.100	21.0	6.59	563.0
7/8/2014 - 7/18/2014	<.100	21.0	6.93	561.0
8/5/2014 - 8/6/2014	.130	21.0	6.23	579.0
9/4/2014 - 9/5/2014	.110	21.0	6.69	590.0
10/8/2014 - 10/9/2014	.130	22.0	6.65	622.0
10/9/2014 - 10/23/2014	.130	22.0	6.65	622.0
10/23/2014 - 11/3/2014	.150	24.0	7.30	622.0
1/14/2015 - 1/15/2015	.170	24.0	5.84	676.0
2/10/2015 - 2/13/2015	.200	25.0	6.32	684.0
3/3/2015	.220	24.0	6.66	666.0
4/1/2015 - 4/2/2015	.200	27.0	6.73	704.0
5/6/2015 - 5/7/2015	.210	29.0	6.25	1047.0
6/2/2015 - 6/5/2015	.210	25.0	6.77	1114.0
7/7/2015 - 7/16/2015	.190	29.0	6.49	1145.0
7/22/2015 - 8/5/2015	.170	31.0	6.46	1116.0
9/2/2015 - 9/3/2015	.160	31.0	6.62	1155.0
10/5/2015 - 10/6/2015	.130	35.0	6.99	1113.0
11/4/2015 - 11/5/2015	.140	42.0	6.69	1093.0
12/3/2015 - 12/4/2015	.130	45.0	6.92	681.0
1/5/2016 - 1/8/2016	.120	52.0	6.84	658.0
2/3/2016 - 2/11/2016	<.100	57.0	7.86	719.0
3/2/2016 - 3/3/2016	<.100	58.0	7.18	733.0
4/5/2016 - 4/6/2016	<.100	63.0	7.19	759.0
5/11/2016 - 5/12/2016	<.100	58.0	6.68	737.0
6/1/2016 - 6/2/2016	<.100	65.0	6.94	764.0
7/19/2016 - 7/22/2016	<.100	70.0	6.48	699.0
8/10/2016 - 8/11/2016	<.100	68.0	7.38	693.0
9/6/2016 - 9/7/2016	<.100	69.0	6.61 *	657.0 *
10/5/2016 - 10/7/2016	<.100 *	68.0 *	7.01	665.0
11/2/2016 - 11/3/2016	<.100	64.0	6.73	656.0
12/1/2016 - 12/2/2016	<.100	67.0	7.81	827.0
1/10/2017 - 1/13/2017	<.100	60.0	5.39	751.0
2/7/2017 - 2/8/2017	<.100	51.0	7.63	668.0
3/1/2017 - 3/3/2017	<.100	53.0	6.01	825.0
4/4/2017 - 4/6/2017	<.100	49.0	6.66	784.0
5/2/2017 - 5/16/2017	<.100 *	69.5 *	6.52 *	737.5 *
6/6/2017 - 6/7/2017	<.100	72.0	6.86	723.0
7/18/2017 - 8/1/2017	<.100 *	77.0 *	6.82 *	803.5 *
8/1/2017 - 8/2/2017	<.100	76.0	6.98	791.0
9/5/2017 - 9/6/2017	<.100	82.0	7.36	510.0
10/5/2017 - 10/9/2017	<.100	82.0	7.10	942.0
11/1/2017 - 11/2/2017	<.100	80.0	6.61	939.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 10

Analytical Data Summary for LGW-9

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
1/23/2018 - 1/26/2018	<.100	71.0	6.44	814.0
2/21/2018 - 2/23/2018	<.100	71.0	6.51	869.0
3/19/2018 - 3/22/2018	<.100	78.0	6.42	863.0
4/9/2018 - 4/11/2018	<.100 *	74.0 *	6.45 *	847.0 *
6/4/2018 - 6/6/2018	<.100	72.0	6.37 *	781.0 *
7/10/2018 - 7/18/2018	<.100	66.0	6.44	861.0
8/1/2018 - 8/2/2018	<.100	67.0	6.27	832.0
9/4/2018 - 9/6/2018	<.100	69.0	6.51	934.0
10/1/2018 - 10/4/2018	<.100 *	59.5 *	6.19 *	837.0 *
11/6/2018 - 11/8/2018	<.100	54.0	6.47	804.0
12/4/2018 - 12/5/2018	<.100	56.0	6.47	801.0
1/2/2019 - 1/7/2019	<.100	53.0	6.58	840.0
2/4/2019 - 2/6/2019	<.100	53.0	6.43	682.0
3/4/2019 - 3/6/2019	<.100	52.0	6.16	740.0
4/2/2019 - 4/3/2019	<.100	51.0	6.43	840.0
5/1/2019 - 5/9/2019	<.100	51.0	6.61	677.0
6/3/2019 - 6/5/2019	<.100	52.0	6.42	737.0
7/8/2019 - 7/11/2019	<.100 *	51.0 *	6.52 *	767.0 *
8/5/2019 - 8/8/2019	<.100	40.0	6.41	682.0
9/3/2019 - 9/5/2019	<.100	46.0	6.42	695.0
9/30/2019 - 10/3/2019	<.100 *	45.5 *	6.64 *	712.0 *
11/5/2019 - 11/6/2019	<.100	40.0	6.53	672.0
12/2/2019 - 12/12/2019	<.100	41.0	6.69	567.3
1/13/2020 - 1/24/2020	<.100	38.9	6.05	556.2
1/24/2020 - 2/4/2020	<.1000	38.4	6.59	569.3
3/2/2020 - 3/4/2020	<.100	36.3	6.66	563.8
4/1/2020 - 4/3/2020	<.100	35.5	6.60 *	555.0 *
5/4/2020 - 5/5/2020	<.100	33.6	6.42	591.8
6/1/2020 - 6/3/2020	<.100	33.6	6.48	589.5
7/6/2020 - 7/9/2020	<.100 *	34.4 *	6.58 *	655.0 *
8/3/2020	<.100	35.5	6.55	693.0
9/1/2020 - 9/14/2020	<.100	36.3	6.45	672.0
10/5/2020 - 10/7/2020	<.100	36.3 *	6.55	592.1
11/2/2020 - 11/5/2020	<.100	37.3	6.70	658.0
12/1/2020 - 12/4/2020	<.100	35.8	6.44	610.6
1/13/2021 - 1/18/2021	.136 *	19.4 *	6.07	541.0
2/9/2021 - 2/11/2021	<.100	39.9	6.58	762.0
3/2/2021 - 3/3/2021	<.100	38.3	6.36	799.0
4/6/2021 - 4/9/2021	<.100	37.5	6.41 *	779.0 *
5/4/2021 - 5/5/2021	<.100	36.1	6.30	792.0
6/1/2021 - 6/2/2021	<.100	36.4	6.36	783.0
7/1/2021 - 7/9/2021	<.100 *	36.6 *	6.44 *	798.0 *
8/3/2021 - 8/4/2021	<.100	36.0	6.44	747.0
9/1/2021 - 9/2/2021	<.100	37.0	6.41	761.0
10/4/2021 - 10/7/2021	<.100	36.1 *	6.46 *	744.0 *
11/1/2021 - 11/2/2021	<.100	34.6	6.40	745.0
12/8/2021 - 12/9/2021	<.100	31.6	6.46	694.0
1/12/2022 - 1/19/2022	<.100	33.6 *	6.43 *	702.0 *
2/9/2022 - 2/10/2022	<.100	34.4	6.49	741.0
3/1/2022 - 3/5/2022	<.100	35.8	6.43	737.0
4/4/2022 - 4/6/2022	<.100	36.4	6.39 *	756.0 *
5/6/2022 - 5/7/2022	<.100	35.2	6.30	794.0
6/2/2022 - 6/3/2022	<.100	36.9	6.11	869.0
7/9/2022 - 7/13/2022	.112	38.5	6.13	807.0
8/9/2022 - 8/10/2022	<.100	37.4	6.06	812.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 10

Analytical Data Summary for LGW-9

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
9/7/2022 - 9/8/2022	<.100	39.5	6.08	753.0
10/5/2022 - 10/7/2022	<.100	36.5	6.18 *	907.0 *
11/2/2022 - 11/3/2022	<.100	36.4	6.07	835.0
12/6/2022 - 12/7/2022	<.100	34.2	6.11	901.0
1/3/2023 - 1/11/2023	<.100	32.2	6.52	716.0
2/3/2023 - 2/4/2023	<.100	34.0	6.36	1388.0
3/1/2023 - 3/2/2023	<.100	33.7	6.12	759.0
4/4/2023 - 4/8/2023	<.100	31.0	6.06	690.0
5/9/2023 - 5/11/2023	<.100	33.7	5.99	766.0
6/7/2023 - 6/8/2023	<.100	36.1	5.59	790.0
7/5/2023 - 7/10/2023	<.100	35.1	6.17	834.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 11

Analytical Data Summary for MW-15

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
6/2/2015 - 6/5/2015	<.10 *	30.5 *	7.22 *	830.0 *
7/7/2015 - 7/16/2015	<.10	<3.0	7.20	807.0
7/22/2015 - 8/5/2015	<.10	28.0	7.92	930.0
9/2/2015 - 9/3/2015	<.10	29.0	8.73	856.0
10/5/2015 - 10/6/2015	<.10	24.0	8.59	835.0
11/4/2015 - 11/5/2015	<.10	22.0	8.07	768.0
12/3/2015 - 12/4/2015	<.10	35.0	8.72	496.0
1/5/2016 - 1/8/2016	<.10	45.0	7.32	407.0
2/3/2016 - 2/11/2016	<.10	31.0	7.81	372.0
3/2/2016 - 3/3/2016	<.10	42.0	7.37	425.0
4/5/2016 - 4/6/2016	<.10	32.0	7.25	431.0
5/11/2016 - 5/12/2016	<.10	27.0	6.27	413.0
6/1/2016 - 6/2/2016	<.10	31.0	6.30	412.0
7/19/2016 - 7/22/2016	<.10	41.0	6.06	378.0
8/10/2016 - 8/11/2016	<.10	34.0	6.76	375.0
9/6/2016 - 9/7/2016	<.10	36.0	6.31	346.0
10/5/2016 - 10/7/2016	<.10 *	31.0 *	6.75	354.0
11/2/2016 - 11/3/2016	<.10	31.0	6.05	340.0
12/1/2016 - 12/2/2016	<.10	32.0	6.26	522.0
1/10/2017 - 1/13/2017	<.10	25.0	6.48	408.0
2/7/2017 - 2/8/2017	<.10	29.0	6.55	399.0
3/1/2017 - 3/3/2017	<.10	20.0	6.90	455.0
4/4/2017 - 4/6/2017	<.10	30.0	6.88	421.0
5/2/2017 - 5/16/2017	<.10	35.0	7.22	471.0
6/6/2017 - 6/7/2017	<.10	40.0	7.40	455.0
7/18/2017 - 8/1/2017	<.10 *	42.0 *	6.43 *	424.5 *
8/1/2017 - 8/2/2017	<.10	42.0	6.35	412.0
9/5/2017 - 9/6/2017	<.10	41.0	6.30	460.0
10/5/2017 - 10/9/2017	<.10	40.0	7.08	549.0
11/1/2017 - 11/2/2017	<.10	43.0	7.22	564.0
1/23/2018 - 1/26/2018	<.10	46.0	6.88	485.1
2/21/2018 - 2/23/2018	<.10	41.0	6.92	568.0
3/19/2018 - 3/22/2018	<.10	48.0	66.40	434.2
4/9/2018 - 4/11/2018	<.10	54.0	6.75	523.0
6/4/2018 - 6/6/2018	<.10	54.0	6.59	470.0
7/10/2018 - 7/18/2018	<.10	51.0	6.93	556.0
7/18/2018 - 8/1/2018	<.10	52.0	6.48	513.0
8/1/2018 - 8/2/2018	<.10	52.0	6.48	513.0
9/4/2018 - 9/6/2018	<.10	57.0	6.74	552.0
10/1/2018 - 10/4/2018	<.10	51.0	6.14 *	549.0 *
11/6/2018 - 11/8/2018	<.10	44.0	6.70	533.3
12/4/2018 - 12/5/2018	<.10	44.0	6.74	464.2
1/2/2019 - 1/7/2019	<.10	41.0	6.80	469.8
2/4/2019 - 2/6/2019	<.10	52.0	6.55	424.0
3/4/2019 - 3/6/2019	<.10	52.0	6.74	468.0
4/2/2019 - 4/3/2019	<.10	51.0	6.54	536.1
5/1/2019 - 5/9/2019	<.10	50.0	6.74	460.5
6/3/2019 - 6/5/2019	.14	44.0	6.55	483.2
7/8/2019 - 7/11/2019	<.10 *	47.0 *	6.65 *	477.0 *
8/5/2019 - 8/8/2019	<.10	42.0	6.82	434.2
9/3/2019 - 9/5/2019	<.10	47.0	6.29	437.5
9/30/2019 - 10/3/2019	<.10	37.0	6.89	455.3
11/5/2019 - 11/6/2019	<.10	41.0	6.42	438.5
12/2/2019 - 12/12/2019	<.10	47.0	6.99	517.0
1/13/2020 - 1/24/2020	<.10	40.4	6.60	406.3

* - The displayed value is the arithmetic mean of multiple database matches.

Table 11

Analytical Data Summary for MW-15

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
1/24/2020 - 2/4/2020	<1.00	32.9	6.71	425.7
3/2/2020 - 3/4/2020	<.10	36.1	6.93	563.9
4/1/2020 - 4/3/2020	<.10	32.3	6.58	449.6
5/4/2020 - 5/5/2020	<.10	35.5	6.43	453.2
6/1/2020 - 6/3/2020	<.10	20.6	6.85	591.8
7/6/2020 - 7/9/2020	<.10	36.1	6.86 *	519.5 *
8/3/2020	<.10	40.8 *	6.69 *	641.0 *
9/1/2020 - 9/14/2020	<.10	35.8	6.20	452.6
10/5/2020 - 10/7/2020	<.10	29.6	6.26	397.0
11/2/2020 - 11/5/2020	<.10	23.2	6.76	399.8
12/1/2020 - 12/4/2020	<.10	25.2	6.45	363.2
1/13/2021 - 1/18/2021	<.10 *	26.0 *	6.14 *	317.5 *
2/9/2021 - 2/11/2021	<.10	24.8	6.62	417.0
3/2/2021 - 3/3/2021	<.10	19.6	6.58	384.0
4/6/2021 - 4/9/2021	<.10	27.9	6.52	434.0
5/4/2021 - 5/5/2021	<.10	15.8	6.57	336.0
6/1/2021 - 6/2/2021	<.10	27.1	6.58	493.0
7/1/2021 - 7/9/2021	<.10 *	31.4 *	6.38 *	433.0 *
8/3/2021 - 8/4/2021	<.10	33.2	6.54	453.0
9/1/2021 - 9/2/2021	<.10	35.7	6.46	463.0
10/4/2021 - 10/7/2021	<.10	35.6	6.54 *	478.0 *
11/1/2021 - 11/2/2021	<.10	34.4	6.40	506.0
12/8/2021 - 12/9/2021	<.10	33.5	6.52	493.0
1/12/2022 - 1/19/2022	<.10	35.3 *	6.52 *	495.0 *
2/9/2022 - 2/10/2022	<.10	34.5	6.55	494.0
3/1/2022 - 3/5/2022	<.10	35.6	6.49	489.0
4/4/2022 - 4/6/2022	<.10	36.0	6.39	492.0
5/6/2022 - 5/7/2022	<.10	17.6	6.86	341.0
6/2/2022 - 6/3/2022	<.10	40.9	6.08	540.0
7/9/2022 - 7/13/2022	<.10	39.5	6.07	479.0
8/9/2022 - 8/10/2022	<.10	37.9	6.05	518.0
9/7/2022 - 9/8/2022	<.10	37.8	6.12	527.0
10/5/2022 - 10/7/2022	<.10	35.0	5.77 *	538.0 *
11/2/2022 - 11/3/2022	<.10	34.5	6.35	541.0
12/6/2022 - 12/7/2022	<.10	36.4	6.26	660.0
1/3/2023 - 1/11/2023	<.10	40.5	6.56	532.0
2/3/2023 - 2/4/2023	<.10	38.0	6.45	1046.0
3/1/2023 - 3/2/2023	<.10	39.1	6.24	563.0
4/4/2023 - 4/8/2023	<.10	37.3	6.16	519.0
5/9/2023 - 5/11/2023	<.10	37.2	6.18	494.0
6/7/2023 - 6/8/2023	<.10	37.7	5.81	526.0
7/5/2023 - 7/10/2023	<.10	35.7	6.23	581.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 12

Analytical Data Summary for MW-16

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
6/2/2015 - 6/5/2015	<.10 *	9.70 *	5.33 *	631.0 *
7/7/2015 - 7/16/2015	<.10	11.00	7.91	648.0
7/16/2015 - 7/22/2015	<.10	11.00	7.91	648.0
7/22/2015 - 8/5/2015	<.10	9.60	7.72	726.0
9/2/2015 - 9/3/2015	<.10	13.00	7.78	756.0
10/5/2015 - 10/6/2015	<.10	12.00	8.66	747.0
11/4/2015 - 11/5/2015	<.10	13.00	8.17	706.0
12/3/2015 - 12/4/2015	<.10	12.00	8.67	426.0
1/5/2016 - 1/8/2016	<.10	8.20	7.84	398.0
2/3/2016 - 2/11/2016	<.10	9.90	8.23	388.0
3/2/2016 - 3/3/2016	<.10	9.10	7.67	395.0
4/5/2016 - 4/6/2016	<.10	9.80	7.83	400.0
5/11/2016 - 5/12/2016	<.10	14.00	6.74	442.0
6/1/2016 - 6/2/2016	<.10	16.00	8.50	475.0
7/19/2016 - 7/22/2016	<.10	9.70	7.28	369.0
8/10/2016 - 8/11/2016	<.10	7.40	7.58	335.0
9/6/2016 - 9/7/2016	<.10	13.00	6.99	362.0
10/5/2016 - 10/7/2016	<.10 *	8.15 *	7.92	298.0
11/2/2016 - 11/3/2016	<.10	12.00	7.00	312.0
12/1/2016 - 12/2/2016	<.10	5.60	6.73	370.0
1/10/2017 - 1/13/2017	<.10	11.00	6.56	390.0
2/7/2017 - 2/8/2017	<.10	12.00	6.73	290.0
3/1/2017 - 3/3/2017	<.10	13.00	6.79	467.0
4/4/2017 - 4/6/2017	<.10	18.00	7.62	521.0
5/2/2017 - 5/16/2017	<.10	14.00	7.65	501.0
6/6/2017 - 6/7/2017	<.10	9.80	7.55	387.0
7/18/2017 - 8/1/2017	<.10 *	10.00 *	6.96 *	400.0 *
8/1/2017 - 8/2/2017	<.10	10.00	7.02	395.0
9/5/2017 - 9/6/2017	<.10	9.20	7.12	373.0
10/5/2017 - 10/9/2017	<.10	8.30	7.27	423.0
11/1/2017 - 11/2/2017	.13	7.00	7.62	412.0
1/23/2018 - 1/26/2018	<.10	5.30	7.44	326.0
2/21/2018 - 2/23/2018	<.10	4.70	7.99	347.0
3/19/2018 - 3/22/2018	<.10	5.10	7.31	287.3
4/9/2018 - 4/11/2018	<.10	6.00	7.26	349.5
6/4/2018 - 6/6/2018	<.10	6.00	7.31	325.0
7/10/2018 - 7/18/2018	<.10	5.30	7.45	361.0
7/18/2018 - 8/1/2018	<.10	5.00	7.11	327.0
8/1/2018 - 8/2/2018	<.10	5.00	7.11	327.0
9/4/2018 - 9/6/2018	<.10	5.10	7.43	350.0
10/1/2018 - 10/4/2018	<.10	4.10	7.06	341.0
11/6/2018 - 11/8/2018	<.10	3.80	7.26	325.4
12/4/2018 - 12/5/2018	.12	4.20	7.28	292.5
1/2/2019 - 1/7/2019	<.10	4.10	7.01	318.0
2/4/2019 - 2/6/2019	<.10	4.10	7.23	253.0
3/4/2019 - 3/6/2019	<.10	4.30	7.39	290.0
4/2/2019 - 4/3/2019	<.10	4.10	7.31	338.0
5/1/2019 - 5/9/2019	<.10	4.50	7.46	302.0
6/3/2019 - 6/5/2019	.19	3.70	7.32	330.5
7/8/2019 - 7/11/2019	<.10 *	3.60 *	7.41 *	358.0 *
8/5/2019 - 8/8/2019	<.10	3.80	7.31	330.8
9/3/2019 - 9/5/2019	<.10	4.30	7.30	331.0
9/30/2019 - 10/3/2019	<.10	3.70	7.55	332.0
11/5/2019 - 11/6/2019	<.10	4.20	7.40	333.2
12/2/2019 - 12/12/2019	<.10	4.10	7.46	278.9

* - The displayed value is the arithmetic mean of multiple database matches.

Table 12

Analytical Data Summary for MW-16

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
1/13/2020 - 1/24/2020	<.10	11.20	7.81	285.6
1/24/2020 - 2/4/2020	<1.00	4.79	7.53	289.1
3/2/2020 - 3/4/2020	<.10	4.55	7.49	295.4
4/1/2020 - 4/3/2020	<.10	4.30	7.30	291.1
5/4/2020 - 5/5/2020	<.10	4.01	7.28	312.1
6/1/2020 - 6/3/2020	<.10	4.14	7.05	335.4
7/6/2020 - 7/9/2020	<.10	4.32	7.34 *	296.3 *
8/3/2020	<.10	4.42 *	7.28 *	349.8 *
9/1/2020 - 9/14/2020	<.10	4.28	7.30	320.6
10/5/2020 - 10/7/2020	<.10	3.94	7.27	293.4
11/2/2020 - 11/5/2020	<.10	3.83	7.48	300.1
12/1/2020 - 12/4/2020	<.10	3.85	7.45	310.5
1/13/2021 - 1/18/2021	<.10 *	4.20 *	7.06 *	256.7 *
2/9/2021 - 2/11/2021	<.10	3.90	7.48	340.2
3/2/2021 - 3/3/2021	<.10	3.85	7.34	348.0
4/6/2021 - 4/9/2021	<.10	3.89	7.39	342.0
5/4/2021 - 5/5/2021	<.10	4.06	7.33	351.0
6/1/2021 - 6/2/2021	<.10	4.24	7.19	352.0
7/1/2021 - 7/9/2021	<.10 *	4.36 *	7.33 *	362.0 *
8/3/2021 - 8/4/2021	<.10	4.27	7.43	352.0
9/1/2021 - 9/2/2021	<.10	4.63	7.38	359.0
10/4/2021 - 10/7/2021	<.10	3.97	7.41	338.0
11/1/2021 - 11/2/2021	<.10	3.72	7.24	342.0
12/8/2021 - 12/9/2021	<.10	3.46	7.39	331.0
1/12/2022 - 1/19/2022	<.10	4.12 *	7.43 *	341.0 *
2/9/2022 - 2/10/2022	<.10	4.33	7.44	349.0
3/1/2022 - 3/5/2022	<.10	3.90	7.36	345.0
4/4/2022 - 4/6/2022	<.10	3.52	7.25	355.0
5/6/2022 - 5/7/2022	<.10	4.10	7.34	378.0
6/2/2022 - 6/3/2022	<.10	4.60	7.04	405.0
7/9/2022 - 7/13/2022	.15	4.70	7.01	380.0
8/9/2022 - 8/10/2022	<.10	4.46	6.88	382.0
9/7/2022 - 9/8/2022	<.10	4.21	6.97	367.0
10/5/2022 - 10/7/2022	<.10	3.81	6.58	357.0
11/2/2022 - 11/3/2022	<.10	3.76	7.19	362.0
12/6/2022 - 12/7/2022	<.10	3.86	7.09	416.0
1/3/2023 - 1/11/2023	<.10	4.59	7.35	344.0
2/3/2023 - 2/4/2023	<.10	4.08	7.13	668.0
3/1/2023 - 3/2/2023	<.10	4.49	6.98	366.0
4/4/2023 - 4/8/2023	<.10	3.80	6.80	341.0
5/9/2023 - 5/11/2023	<.10	4.20	6.95	346.0
6/7/2023 - 6/8/2023	<.10	4.45	6.74	368.0
7/5/2023 - 7/10/2023	<.10	4.08	7.04	380.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 13

Analytical Data Summary for MW-17

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
6/2/2015 - 6/5/2015	<.1 *	25.00 *	7.13 *	600.0 *
7/7/2015 - 7/16/2015	<.1	23.00	7.10	541.0
7/22/2015 - 8/5/2015	<.1	25.00	7.17	552.0
9/2/2015 - 9/3/2015	<.1	25.00	7.21	576.0
10/5/2015 - 10/6/2015	<.1	18.00	7.68	559.0
11/4/2015 - 11/5/2015	<.1	23.00	8.28	626.0
12/3/2015 - 12/4/2015	<.1	24.00	8.91	315.0
1/5/2016 - 1/8/2016	<.1	6.50	7.21	654.0
2/3/2016 - 2/11/2016	<.1	10.00	7.42	671.0
3/2/2016 - 3/3/2016	<.1	17.00	7.38	278.0
4/5/2016 - 4/6/2016	<.1	12.00	7.32	263.0
5/11/2016 - 5/12/2016	<.1	18.00	7.96	365.0
6/1/2016 - 6/2/2016	<.1	19.00	7.47	350.0
7/19/2016 - 7/22/2016	<.1	15.00	6.90	267.0
8/10/2016 - 8/11/2016	<.1	17.00	7.84	337.0
9/6/2016 - 9/7/2016	<.1	19.00	6.90	307.0
10/5/2016 - 10/7/2016	<.1 *	17.00 *	7.33	404.0
11/2/2016 - 11/3/2016	<.1	19.00	7.51	363.0
12/1/2016 - 12/2/2016	<.1	18.00	6.53	430.0
1/10/2017 - 1/13/2017	<.1	18.00	6.62	434.0
2/7/2017 - 2/8/2017	<.1	18.00	6.97	370.0
3/1/2017 - 3/3/2017	<.1	15.00	6.74	444.0
4/4/2017 - 4/6/2017	<.1	19.00	7.36	434.0
5/2/2017 - 5/16/2017	<.1	9.50	7.33 *	361.5 *
6/6/2017 - 6/7/2017	<.1	17.00	7.56	384.0
7/18/2017 - 8/1/2017	<.1 *	19.00 *	7.26 *	337.5 *
8/1/2017 - 8/2/2017	<.1	19.00	7.32	266.0
9/5/2017 - 9/6/2017	<.1	23.00	7.28	365.0
10/5/2017 - 10/9/2017	<.1	28.00	7.13	375.0
11/1/2017 - 11/2/2017	<.1	27.00	7.50	371.0
1/23/2018 - 1/26/2018	<.1	35.00	6.92	397.3
2/21/2018 - 2/23/2018	<.1	27.00	7.35	486.0
3/19/2018 - 3/22/2018	<.1	22.00	6.42	278.1
4/9/2018 - 4/11/2018	<.1	26.00	6.39	336.7
6/4/2018 - 6/6/2018	<.1	35.00	6.51	394.0
7/10/2018 - 7/18/2018	<.1	32.00	6.95	471.0
7/18/2018 - 8/1/2018	<.1	32.00	6.65	467.0
8/1/2018 - 8/2/2018	<.1	32.00	6.65	467.0
9/4/2018 - 9/6/2018	<.1	35.00	6.80	457.0
10/1/2018 - 10/4/2018	<.1	32.50 *	6.30 *	468.0 *
11/6/2018 - 11/8/2018	<.1	27.00	6.98	516.9
12/4/2018 - 12/5/2018	<.1	33.00	6.97	553.7
1/2/2019 - 1/7/2019	<.1	32.00	6.84	407.4
2/4/2019 - 2/6/2019	<.1	32.00	6.71	358.0
3/4/2019 - 3/6/2019	<.1	33.00	6.81	407.0
4/2/2019 - 4/3/2019	<.1	32.00	6.73	475.9
5/1/2019 - 5/9/2019	<.1	32.00	7.20	490.9
6/3/2019 - 6/5/2019	<.1	34.00	6.81	511.9
6/5/2019 - 6/18/2019	<.1	34.00	6.81	511.9
7/8/2019 - 7/11/2019	<.1 *	30.50 *	6.71 *	474.0 *
8/5/2019 - 8/8/2019	<.1	28.00	7.37	540.2
9/3/2019 - 9/5/2019	<.1	35.00	6.64	496.2
9/30/2019 - 10/3/2019	<.1	27.00	7.09	483.9
11/5/2019 - 11/6/2019	<.1	23.00	6.39	314.3
12/2/2019 - 12/12/2019	<.1	23.00	6.45	270.4

* - The displayed value is the arithmetic mean of multiple database matches.

Table 13

Analytical Data Summary for MW-17

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
1/13/2020 - 1/24/2020	<.1	22.90	6.73	289.5
1/24/2020 - 2/4/2020	<1.0	24.20	7.09	471.0
3/2/2020 - 3/4/2020	<.1	23.10	6.42	308.4
4/1/2020 - 4/3/2020	<.1	22.80	6.98	483.7
5/4/2020 - 5/5/2020	<.1	21.60	6.94	515.6
6/1/2020 - 6/3/2020	<.1	22.90	6.97	515.7
7/6/2020 - 7/9/2020	<.1	20.80	7.05 *	559.4 *
8/3/2020	<.1	22.85 *	6.96 *	534.7 *
9/1/2020 - 9/14/2020	<.1	22.60	6.85	528.6
10/5/2020 - 10/7/2020	<.1	15.20	6.94	477.3
11/2/2020 - 11/5/2020	<.1	14.50	7.14	455.7
12/1/2020 - 12/4/2020	<.1	15.20	6.75	327.5
1/13/2021 - 1/18/2021	<.1 *	14.20 *	6.57	295.9
2/9/2021 - 2/11/2021	<.1	15.40	7.19	456.0
3/2/2021 - 3/3/2021	<.1	12.30	6.63	321.0
4/6/2021 - 4/9/2021	<.1	14.90	7.18	454.0
5/4/2021 - 5/5/2021	<.1	14.00	7.13	474.0
6/1/2021 - 6/2/2021	<.1	25.60	6.81	521.0
7/1/2021 - 7/9/2021	<.1 *	35.80 *	6.90 *	540.0 *
8/3/2021 - 8/4/2021	<.1	29.20	7.06	568.0
9/1/2021 - 9/2/2021	<.1	16.90	6.66	349.0
10/4/2021 - 10/7/2021	<.1	21.60	7.07 *	536.0 *
11/1/2021 - 11/2/2021	<.1	17.50	6.96	516.0
12/8/2021 - 12/9/2021	<.1	11.40	7.19	406.0
1/3/2023 - 1/11/2023	<.1	11.00	6.87	272.0
2/3/2023 - 2/4/2023	<.1	8.57	6.65	283.0
3/1/2023 - 3/2/2023	<.1	7.92	6.47	289.0
4/4/2023 - 4/8/2023	<.1	25.10	6.23	436.0
5/9/2023 - 5/11/2023	<.1	12.20	6.18	320.0
6/7/2023 - 6/8/2023	<.1	8.19	6.16	281.0
7/5/2023 - 7/10/2023	<.1	6.95	5.63	282.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 14

Analytical Data Summary for MW-19

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
6/2/2015 - 6/5/2015	<.10 *	14.00 *	7.35 *	774.5 *
7/7/2015 - 7/16/2015	<.10	14.00	7.85	625.0
7/16/2015 - 7/22/2015	<.10	14.00	7.85	625.0
7/22/2015 - 8/5/2015	<.10	6.30	8.15	436.0
9/2/2015 - 9/3/2015	<.10	8.40	8.41	439.0
10/5/2015 - 10/6/2015	<.10	5.00	8.79	620.0
11/4/2015 - 11/5/2015	<.10	5.50	8.27	578.0
12/3/2015 - 12/4/2015	<.10	6.00	9.15	381.0
1/5/2016 - 1/8/2016	<.10	8.60	8.38	348.0
2/3/2016 - 2/11/2016	<.10	9.80	8.22	370.0
3/2/2016 - 3/3/2016	<.10	9.20	7.95	301.0
4/5/2016 - 4/6/2016	<.10	10.00	7.55	379.0
5/11/2016 - 5/12/2016	<.10	9.50	7.77	253.0
6/1/2016 - 6/2/2016	<.10	9.30	9.03	553.0
7/19/2016 - 7/22/2016	<.10	9.00	7.65	228.0
8/10/2016 - 8/11/2016	<.10	9.00	7.25	213.0
9/6/2016 - 9/7/2016	<.10	11.00	7.35	282.0
10/5/2016 - 10/7/2016	.10 *	10.05 *	7.17	294.0
11/2/2016 - 11/3/2016	<.10	9.60	7.39	231.0
12/1/2016 - 12/2/2016	<.10	8.50	7.35	492.0
1/10/2017 - 1/13/2017	<.10	10.00	6.93	284.0
2/7/2017 - 2/8/2017	<.10	8.70	7.00	299.0
3/1/2017 - 3/3/2017	<.10	7.30	6.81	320.0
4/4/2017 - 4/6/2017	<.10	8.20	7.74	293.0
5/2/2017 - 5/16/2017	<.10	9.10	7.67	278.0
6/6/2017 - 6/7/2017	.31	13.00	7.01	527.0
7/18/2017 - 8/1/2017	<.10 *	18.50 *	7.09 *	520.5 *
8/1/2017 - 8/2/2017	<.10	18.00	7.11	474.0
9/5/2017 - 9/6/2017	<.10	16.00	7.38	348.0
10/5/2017 - 10/9/2017	<.10	15.00	7.34	398.0
11/1/2017 - 11/2/2017	<.10	15.00	7.51	387.0
1/23/2018 - 1/26/2018	<.10	11.00	7.56	319.5
2/21/2018 - 2/23/2018	<.10	11.00	7.43	345.0
3/19/2018 - 3/22/2018	<.10	15.00	7.04	420.2
4/9/2018 - 4/11/2018	<.10	14.00	7.27	345.3
6/4/2018 - 6/6/2018	<.10	13.00	7.63	245.0
7/10/2018 - 7/18/2018	<.10	12.00	7.78	291.0
8/1/2018 - 8/2/2018	<.10	13.00	7.37	293.0
9/4/2018 - 9/6/2018	<.10	13.00	7.93	279.0
10/1/2018 - 10/4/2018	<.10	11.50 *	7.23 *	282.0 *
11/6/2018 - 11/8/2018	<.10	9.70	7.53	298.2
12/4/2018 - 12/5/2018	<.10	11.00	7.50	321.4
1/2/2019 - 1/7/2019	<.10	10.00	7.53	318.4
2/4/2019 - 2/6/2019	<.10	11.00	7.44	248.0
3/4/2019 - 3/6/2019	<.10	11.00	7.60	221.0
4/2/2019 - 4/3/2019	<.10	11.00	7.49	261.2
5/1/2019 - 5/9/2019	<.10	10.00	7.65	237.3
6/3/2019 - 6/5/2019	<.10	12.00	7.61	262.8
7/8/2019 - 7/11/2019	<.10 *	9.50 *	7.56 *	323.0 *
8/5/2019 - 8/8/2019	<.10	9.00	7.82	308.1
9/3/2019 - 9/5/2019	<.10	9.50	7.55	277.6
9/30/2019 - 10/3/2019	<.10	13.00	7.34	469.9
11/5/2019 - 11/6/2019	<.10	35.00	6.82	582.0
12/2/2019 - 12/12/2019	<.10	43.00	7.02	534.4
1/13/2020 - 1/24/2020	<.10	27.00	7.37	456.8

* - The displayed value is the arithmetic mean of multiple database matches.

Table 14

Analytical Data Summary for MW-19

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
1/24/2020 - 2/4/2020	<1.00	30.90	6.90	492.4
3/2/2020 - 3/4/2020	<.10	30.90	7.16	445.5
4/1/2020 - 4/3/2020	<.10	35.70	6.89	485.6
5/4/2020 - 5/5/2020	<.10	29.90	7.06	456.3
6/1/2020 - 6/3/2020	<.10	15.60	7.21	383.2
7/6/2020 - 7/9/2020	<.10	26.00	6.91 *	479.0 *
8/3/2020	<.10	23.90 *	7.17 *	506.0 *
9/1/2020 - 9/14/2020	<.10	21.40	7.67	302.8
10/5/2020 - 10/7/2020	<.10	20.00	7.54	320.4
11/2/2020 - 11/5/2020	<.10	19.60	7.19	437.5
12/1/2020 - 12/4/2020	<.10	18.90	7.47	343.7
1/13/2021 - 1/18/2021	<.10 *	18.10 *	7.25	358.7
2/9/2021 - 2/11/2021	<.10	18.70	7.35	422.2
3/2/2021 - 3/3/2021	<.10	17.00	7.28	407.0
4/6/2021 - 4/9/2021	<.10	17.10	7.35	408.0
5/4/2021 - 5/5/2021	<.10	15.50	7.33	412.0
6/1/2021 - 6/2/2021	<.10	16.00	7.26	403.0
7/1/2021 - 7/9/2021	<.10 *	15.63 *	7.22 *	381.0 *
8/3/2021 - 8/4/2021	<.10	14.90	7.32	374.0
9/1/2021 - 9/2/2021	<.10	14.80	7.70	301.0
10/4/2021 - 10/7/2021	<.10	13.80	7.11	474.0
11/1/2021 - 11/2/2021	<.10	13.10	6.80	576.0
12/8/2021 - 12/9/2021	<.10	12.00	6.77	625.0
12/6/2022 - 12/7/2022	<.10	8.46	7.55	350.0
1/3/2023 - 1/11/2023	<.10	9.07	7.79	288.0
2/3/2023 - 2/4/2023	<.10	8.72	7.31	650.0
3/1/2023 - 3/2/2023	<.10	8.67	7.14	336.0
4/4/2023 - 4/8/2023	<.10	7.83	7.38	364.0
5/9/2023 - 5/11/2023	<.10	8.29	6.51	337.0
6/7/2023 - 6/8/2023	<.10	8.26	7.07	271.0
7/5/2023 - 7/10/2023	<.10	7.75	7.64	293.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 15

Analytical Data Summary for MW-7N

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
4/30/2013 - 5/2/2013	.180	18.0	6.30	678.0
6/4/2013 - 6/5/2013	.110 *	14.5 *	6.13 *	536.0 *
7/15/2013 - 7/17/2013	<.100	12.0	6.34	353.0
7/30/2013 - 8/9/2013	<.100	12.0	6.49	378.0
9/10/2013 - 9/11/2013	<.100	11.0	6.22	301.0
10/1/2013 - 10/2/2013	<.100	10.0	6.48	310.0
11/6/2013	<.100	11.0	6.45	315.0
12/2/2013 - 12/3/2013	<.100	11.0	6.46	314.0
1/22/2014 - 1/30/2014	<.100	13.0	6.73	344.0
1/30/2014 - 2/13/2014	<.100 *	12.0 *	6.60 *	317.0 *
3/11/2014 - 3/12/2014	<.100	11.0	6.71	560.0
4/2/2014 - 4/3/2014	.140	12.0	6.35	641.0
5/7/2014	<.100	9.5	6.85	630.0
6/3/2014	<.100	9.5	6.15	306.0
7/8/2014 - 7/18/2014	<.100	12.0	6.87	300.0
8/5/2014 - 8/6/2014	<.100	9.9	5.92	302.0
9/4/2014 - 9/5/2014	<.100	9.1	6.61	301.0
10/8/2014 - 10/9/2014	<.100	9.3	6.96	308.0
10/9/2014 - 10/23/2014	<.100	9.3	6.96	308.0
10/23/2014 - 11/3/2014	<.100	11.0	7.52	300.0
1/14/2015 - 1/15/2015	<.100	9.5	5.73	320.0
2/10/2015 - 2/13/2015	<.100	15.0	6.12	350.0
3/3/2015	<.100	13.0	6.85	422.0
4/1/2015 - 4/2/2015	<.100	14.0	6.40	409.0
5/6/2015 - 5/7/2015	<.100	11.0	6.83	562.0
6/2/2015 - 6/5/2015	<.100	15.0	6.87	615.0
7/7/2015 - 7/16/2015	<.100	12.0	6.52	632.0
7/22/2015 - 8/5/2015	<.100	12.0	7.20	616.0
9/2/2015 - 9/3/2015	<.100	11.0	7.35	622.0
10/5/2015 - 10/6/2015	<.100	14.0	7.26	584.0
11/4/2015 - 11/5/2015	<.100	14.0	7.06	551.0
12/3/2015 - 12/4/2015	<.100	17.0	7.18	362.0
1/5/2016 - 1/8/2016	<.100	14.0	7.26	336.0
2/3/2016 - 2/11/2016	<.100	14.0	7.97	322.0
3/2/2016 - 3/3/2016	<.100	21.0	7.47	339.0
4/5/2016 - 4/6/2016	<.100	27.0	7.32	421.0
5/11/2016 - 5/12/2016	<.100	23.0	6.48	370.0
6/1/2016 - 6/2/2016	<.100	25.0	7.53	387.0
7/19/2016 - 7/22/2016	<.100	29.0	7.10	390.0
8/10/2016 - 8/11/2016	<.100	29.0	7.37	371.0
9/6/2016 - 9/7/2016	<.100	30.0	7.27	342.0
10/5/2016 - 10/7/2016	.120	31.0	7.11	474.0
11/2/2016 - 11/3/2016	.300	47.0	6.45	646.0
12/1/2016 - 12/2/2016	.150	44.0	7.68	760.0
1/10/2017 - 1/13/2017	.410	54.0	7.26	715.0
2/7/2017 - 2/8/2017	.230	34.0	7.83	601.0
3/1/2017 - 3/3/2017	.220	41.0	5.90 *	736.0 *
4/4/2017 - 4/6/2017	.160	35.0	6.83	649.0
5/2/2017 - 5/16/2017	<.100	42.0	6.57	755.0
6/6/2017 - 6/7/2017	<.100	55.0	6.76	710.0
7/18/2017 - 8/1/2017	.166 *	38.0 *	6.75 *	682.5 *
8/1/2017 - 8/2/2017	<.100	42.0	6.88	730.0
9/5/2017 - 9/6/2017	.240	52.0	7.31	668.0
10/5/2017 - 10/9/2017	.200	47.0	7.19	595.0
11/1/2017 - 11/2/2017	.100	47.0	7.25	664.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 15

Analytical Data Summary for MW-7N

Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
1/23/2018 - 1/26/2018	.160	38.0	6.54	529.9
2/21/2018 - 2/23/2018	<.100	33.0	6.38	458.6
3/19/2018 - 3/22/2018	.190	40.0	6.40	572.6
4/9/2018 - 4/11/2018	.125 *	44.5 *	6.42 *	541.6 *
6/4/2018 - 6/6/2018	<.100	44.0	6.32 *	471.0 *
7/10/2018 - 7/18/2018	<.100	43.0	6.45	500.0
7/18/2018 - 8/1/2018	<.100	45.0	6.36	508.0
8/1/2018 - 8/2/2018	<.100	45.0	6.36	508.0
9/4/2018 - 9/6/2018	<.100	49.0	6.64	628.0
10/1/2018 - 10/4/2018	<.100	43.0	6.04	541.0
11/6/2018 - 11/8/2018	<.100	37.0	6.35	473.9
12/4/2018 - 12/5/2018	<.100	41.0	6.35	513.3
1/2/2019 - 1/7/2019	<.100	42.0	6.61	497.1
2/4/2019 - 2/6/2019	<.100	43.0	6.38	429.0
3/4/2019 - 3/6/2019	<.100	42.0	6.06	495.0
4/2/2019 - 4/3/2019	<.100	43.0	6.28	457.9
5/1/2019 - 5/9/2019	<.100	42.0	6.66	461.7
6/3/2019 - 6/5/2019	<.100	38.0	6.19	493.8
7/8/2019 - 7/11/2019	<.100 *	41.5 *	6.33 *	539.2 *
8/5/2019 - 8/8/2019	<.100	38.0	6.37	492.8
9/3/2019 - 9/5/2019	<.100	43.0	6.37	490.4
9/30/2019 - 10/3/2019	<.100	43.0	6.95	490.8
11/5/2019 - 11/6/2019	<.100	42.0	6.53	544.4
12/2/2019 - 12/12/2019	<.100	45.0	6.60	443.0
1/13/2020 - 1/24/2020	<.100	45.3	6.57	490.4
1/24/2020 - 2/4/2020	<1.000	42.5	6.36	448.5
3/2/2020 - 3/4/2020	<.100	41.8	6.57	448.6
4/1/2020 - 4/3/2020	<.100	40.2	6.54	445.3
5/4/2020 - 5/5/2020	<.100	40.6	6.57	462.9
6/1/2020 - 6/3/2020	<.100	39.9	6.56	469.5
7/6/2020 - 7/9/2020	<.100 *	40.4 *	6.55 *	510.5 *
8/3/2020	<.100	40.4	6.51	528.6
9/1/2020 - 9/14/2020	<.100	40.5	6.36	510.3
10/5/2020 - 10/7/2020	<.100	41.0	6.52	446.6
11/2/2020 - 11/5/2020	<.100	40.8	6.63	482.0
12/1/2020 - 12/4/2020	<.100	41.3	6.45	479.6
1/13/2021 - 1/18/2021	<.100 *	41.2 *	6.26	437.4
2/9/2021 - 2/11/2021	<.100	42.4	6.71	580.0
3/2/2021 - 3/3/2021	<.100	40.4	6.54	597.0
4/6/2021 - 4/9/2021	<.100	41.5	6.65	601.0
5/4/2021 - 5/5/2021	<.100	41.7	6.54	629.0
6/1/2021 - 6/2/2021	<.100	45.1	6.61	638.0
7/1/2021 - 7/9/2021	<.100 *	47.1 *	6.69 *	653.0 *
8/3/2021 - 8/4/2021	<.100	46.0	6.76	632.0
9/1/2021 - 9/2/2021	<.100	46.7	6.61	624.0
10/4/2021 - 10/7/2021	<.100	45.6	6.69 *	603.0 *
11/1/2021 - 11/2/2021	<.100	44.3	6.53	613.0
12/8/2021 - 12/9/2021	<.100	42.4	6.68	587.0
1/12/2022 - 1/19/2022	<.100	43.2 *	6.74 *	602.0 *
2/9/2022 - 2/10/2022	<.100	41.0	6.78	613.0
3/1/2022 - 3/5/2022	<.100	41.7	6.69	612.0
4/4/2022 - 4/6/2022	<.100	40.6	6.63 *	622.0 *
5/6/2022 - 5/7/2022	<.100	41.6	6.59	662.0
6/2/2022 - 6/3/2022	<.100	41.4	6.30	702.0
7/9/2022 - 7/13/2022	.126	39.8	6.42	632.0

* - The displayed value is the arithmetic mean of multiple database matches.

Table 15

Analytical Data Summary for MW-7N

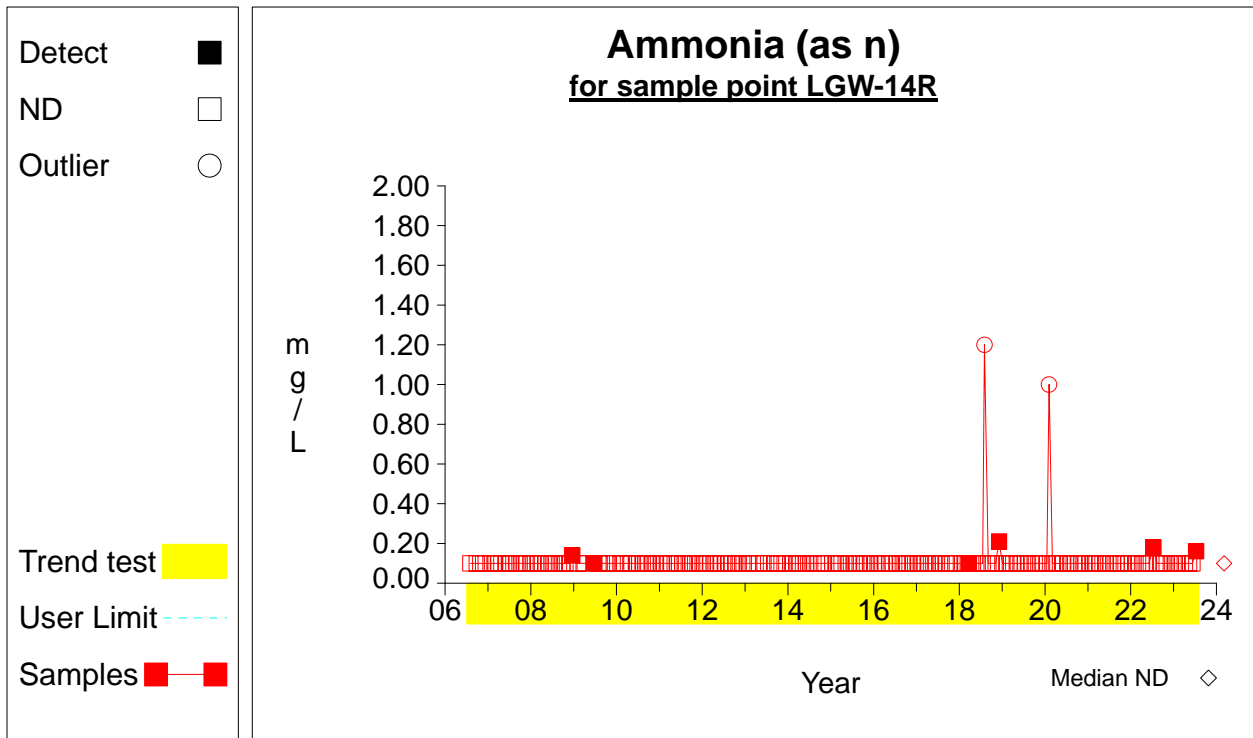
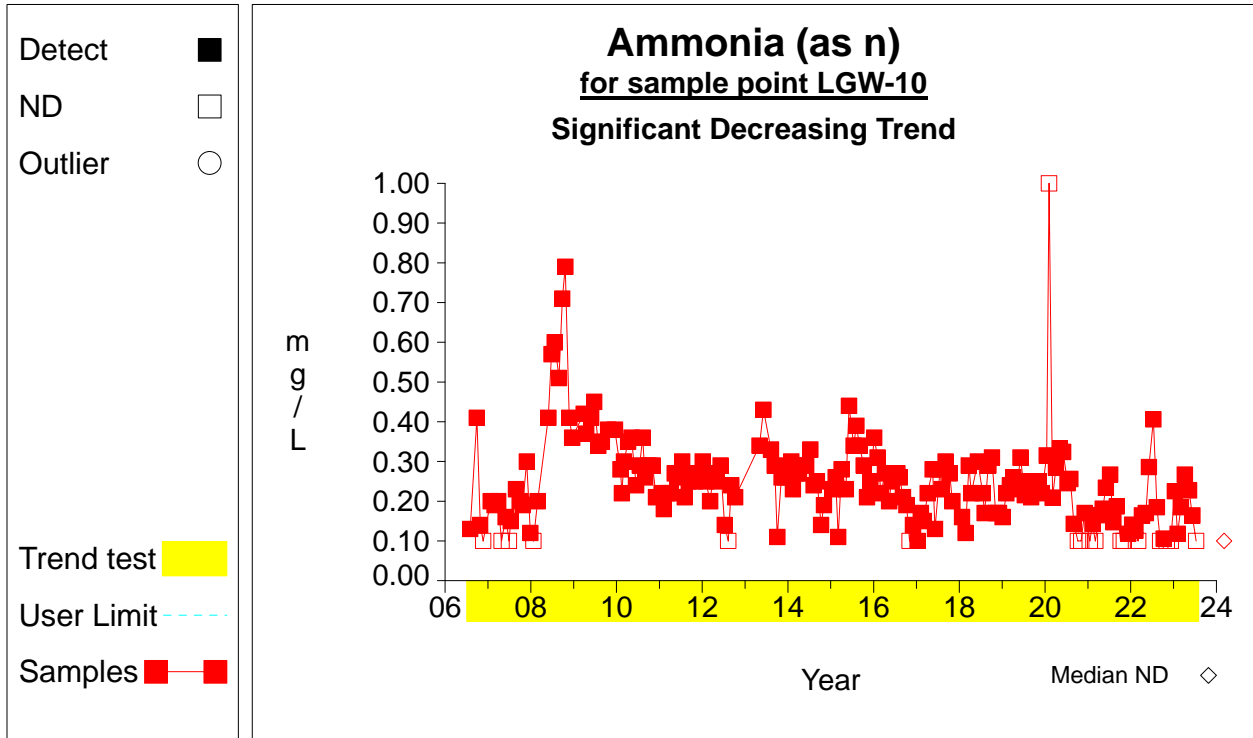
Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
8/9/2022 - 8/10/2022	<.100	39.5	6.42	609.0
9/7/2022 - 9/8/2022	<.100	40.7	6.35	610.0
10/5/2022 - 10/7/2022	<.100	37.4	5.98 *	590.0 *
11/2/2022 - 11/3/2022	<.100	36.2	6.35	641.0
12/6/2022 - 12/7/2022	<.100	36.2	6.46	723.0
1/3/2023 - 1/11/2023	<.100	33.3	6.70	576.0
2/3/2023 - 2/4/2023	<.100	34.8	6.78	6392.0
3/1/2023 - 3/2/2023	<.100	33.9	6.42	630.0
4/4/2023 - 4/8/2023	<.100	31.7	6.46	564.0
5/9/2023 - 5/11/2023	<.100	31.4	6.45	588.0
6/7/2023 - 6/8/2023	<.100	32.5	5.87	608.0
7/5/2023 - 7/10/2023	<.100	31.6	6.22	624.0

* - The displayed value is the arithmetic mean of multiple database matches.

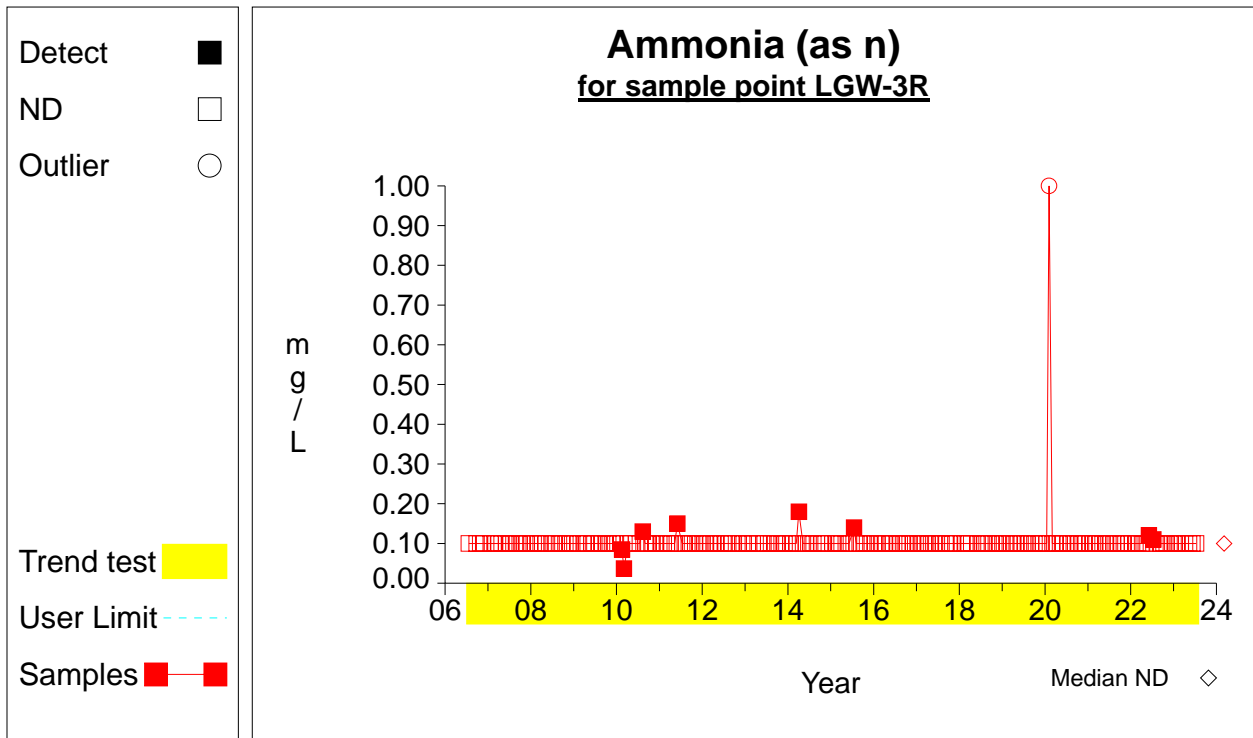
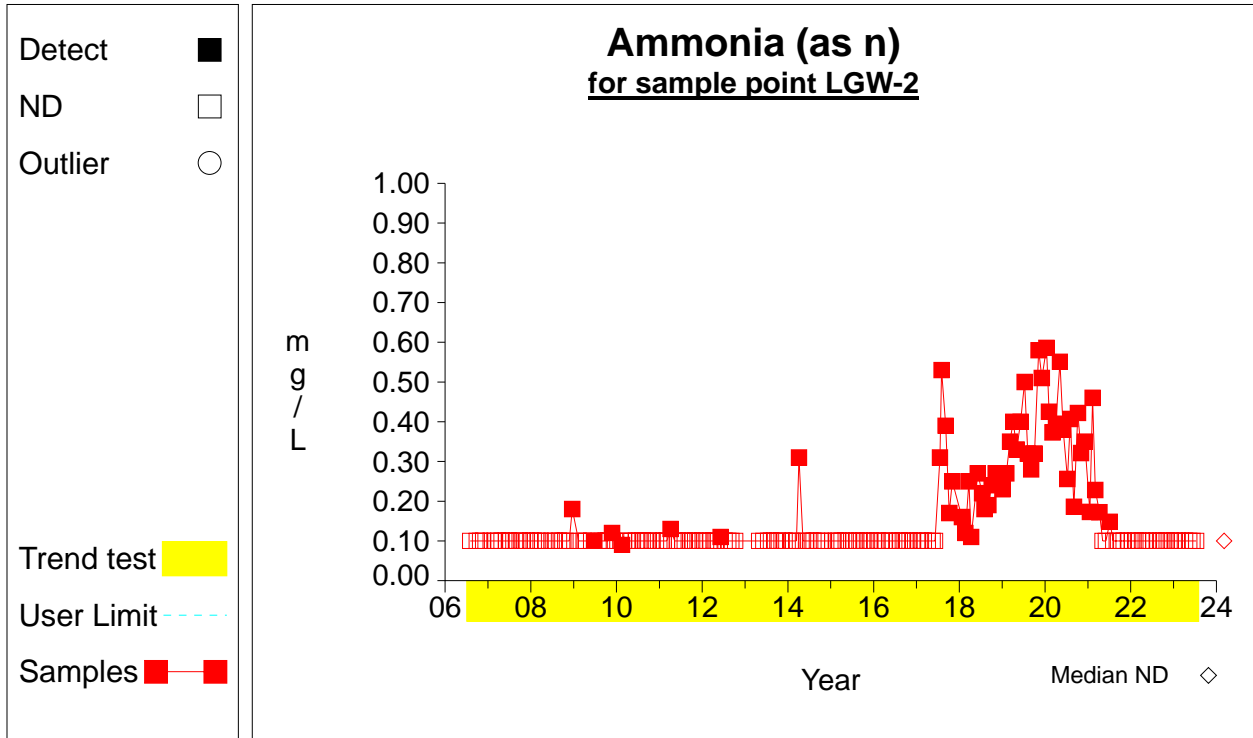
ATTACHMENT C

Trend Analysis

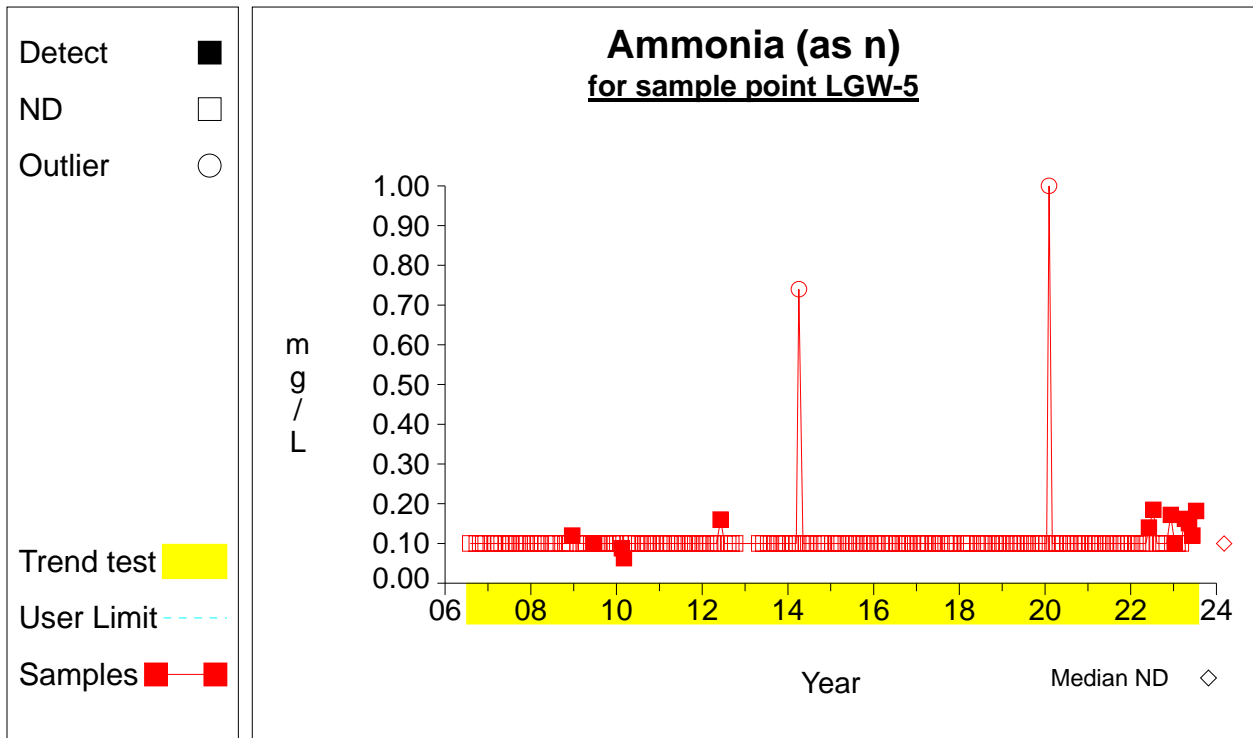
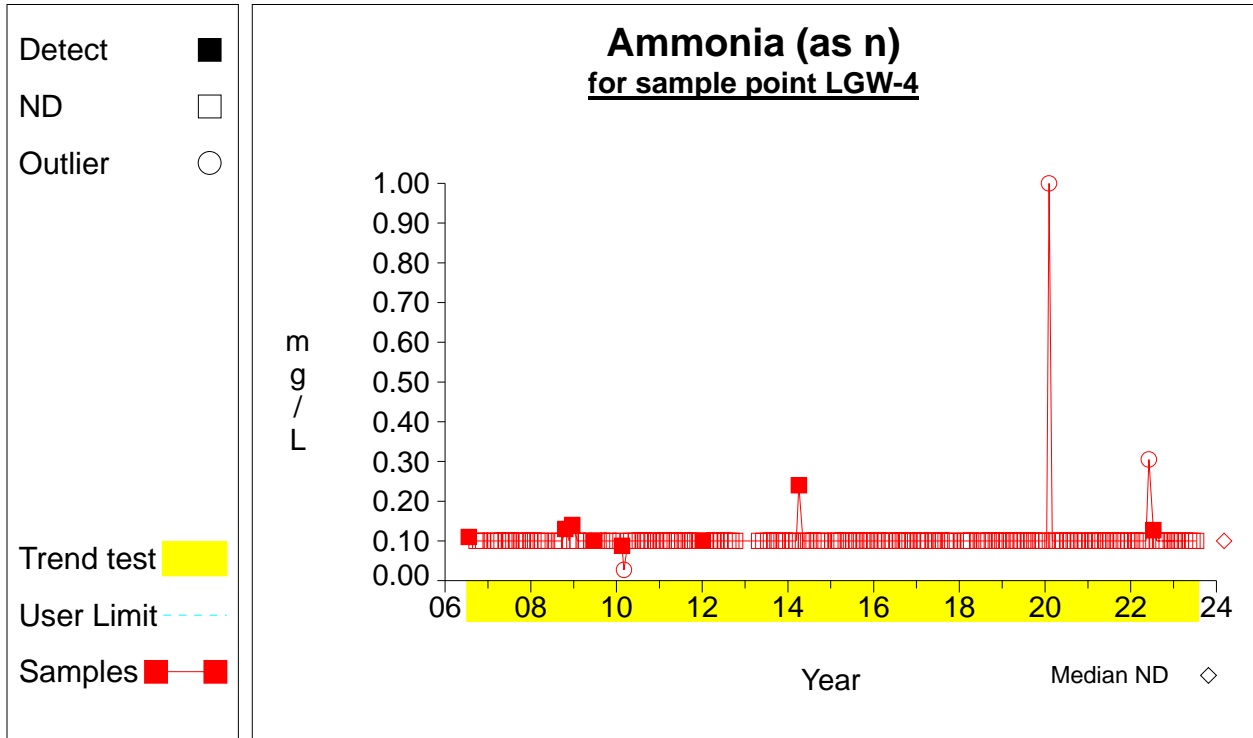
Time Series



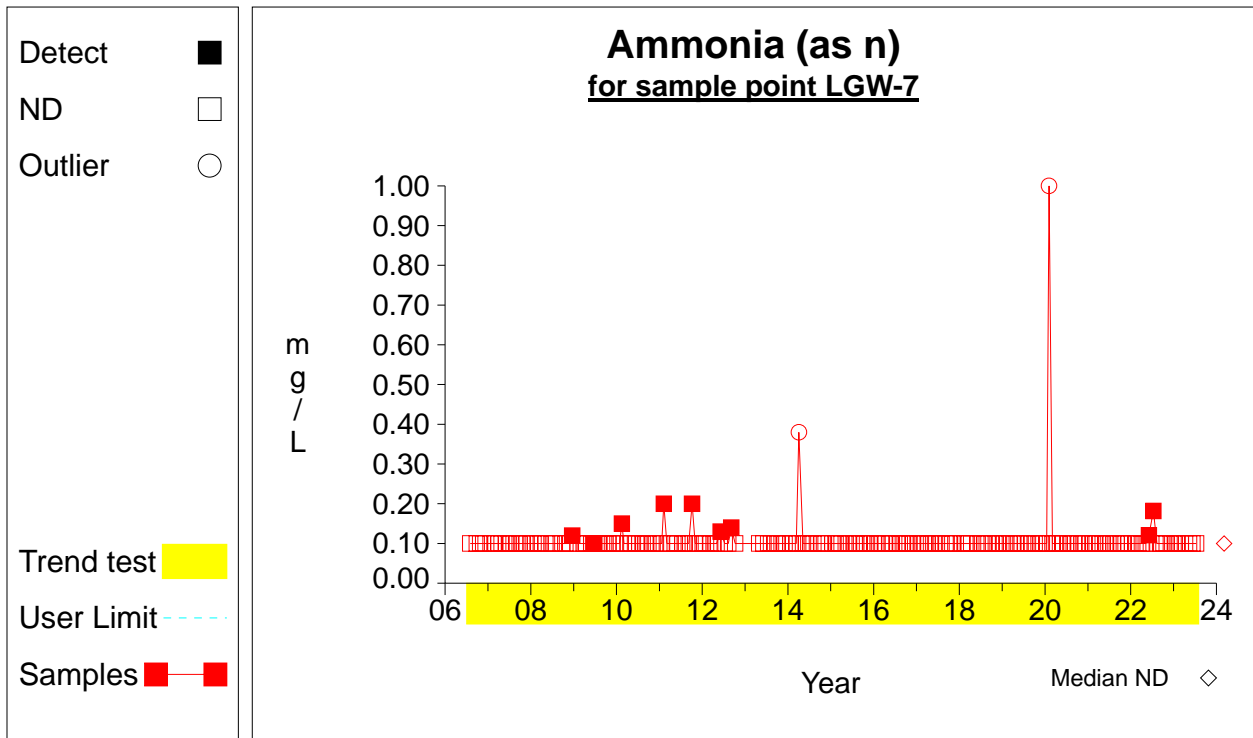
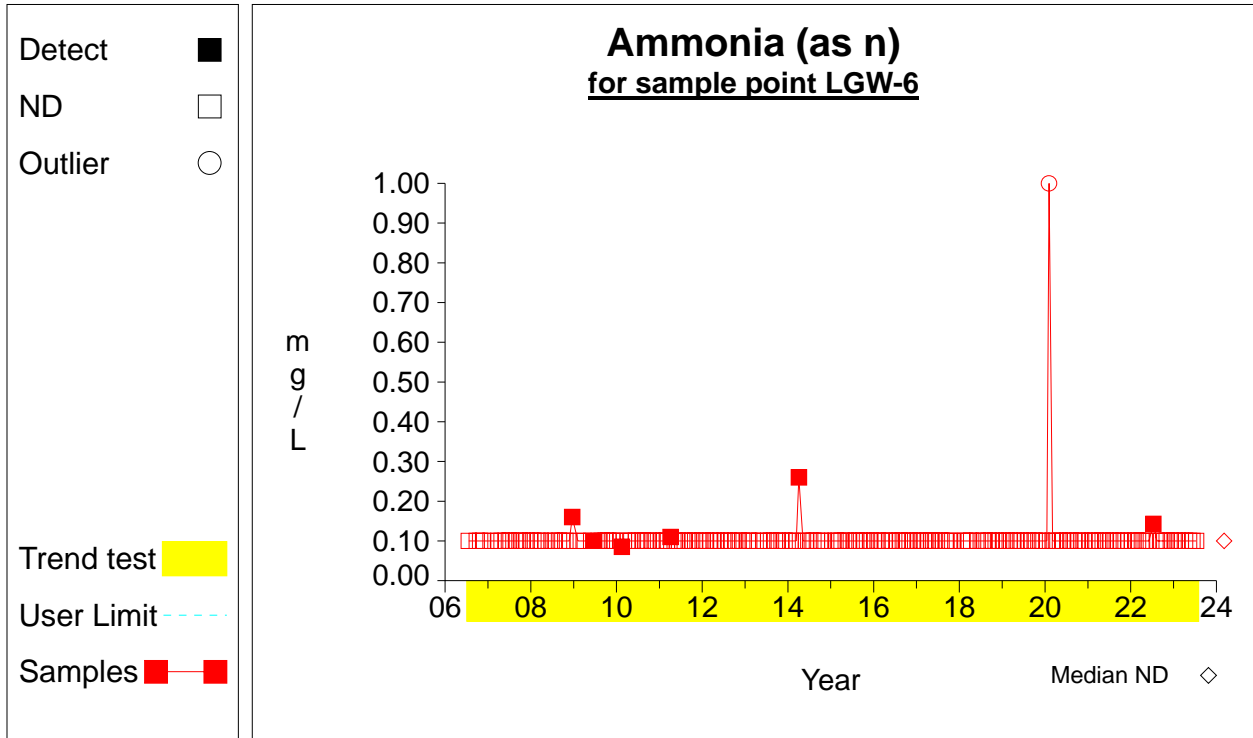
Time Series



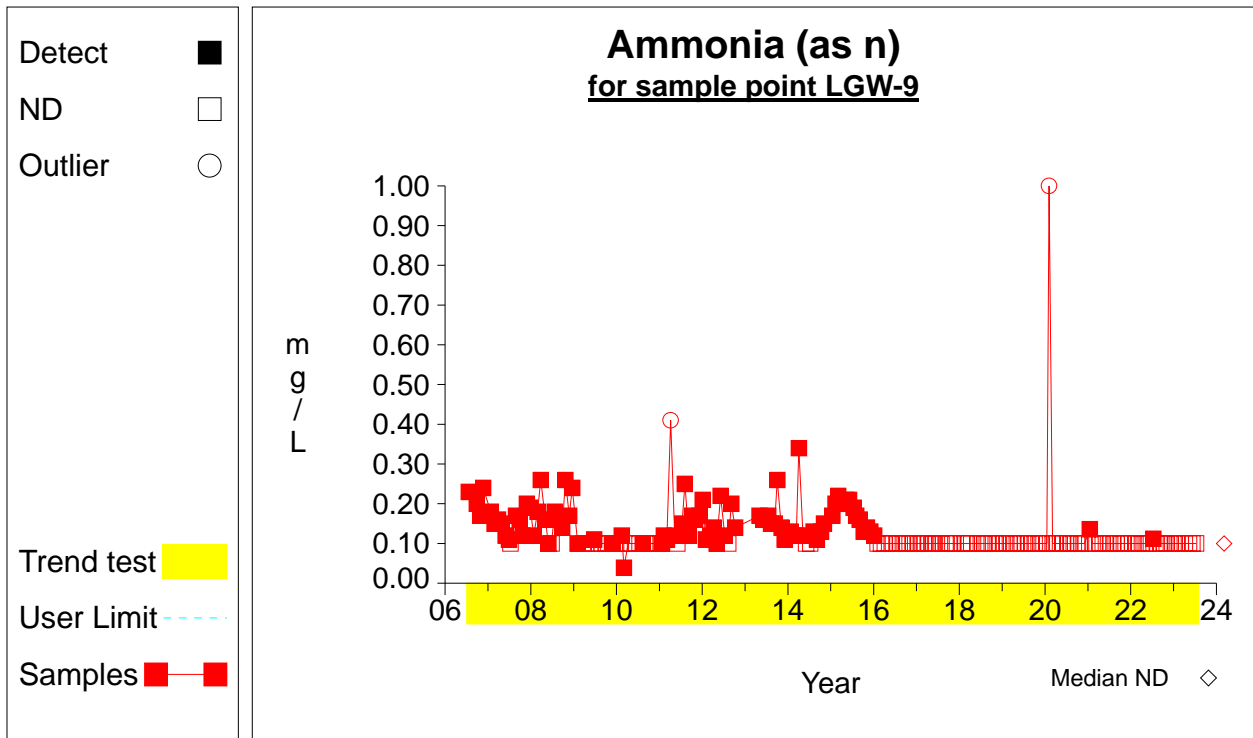
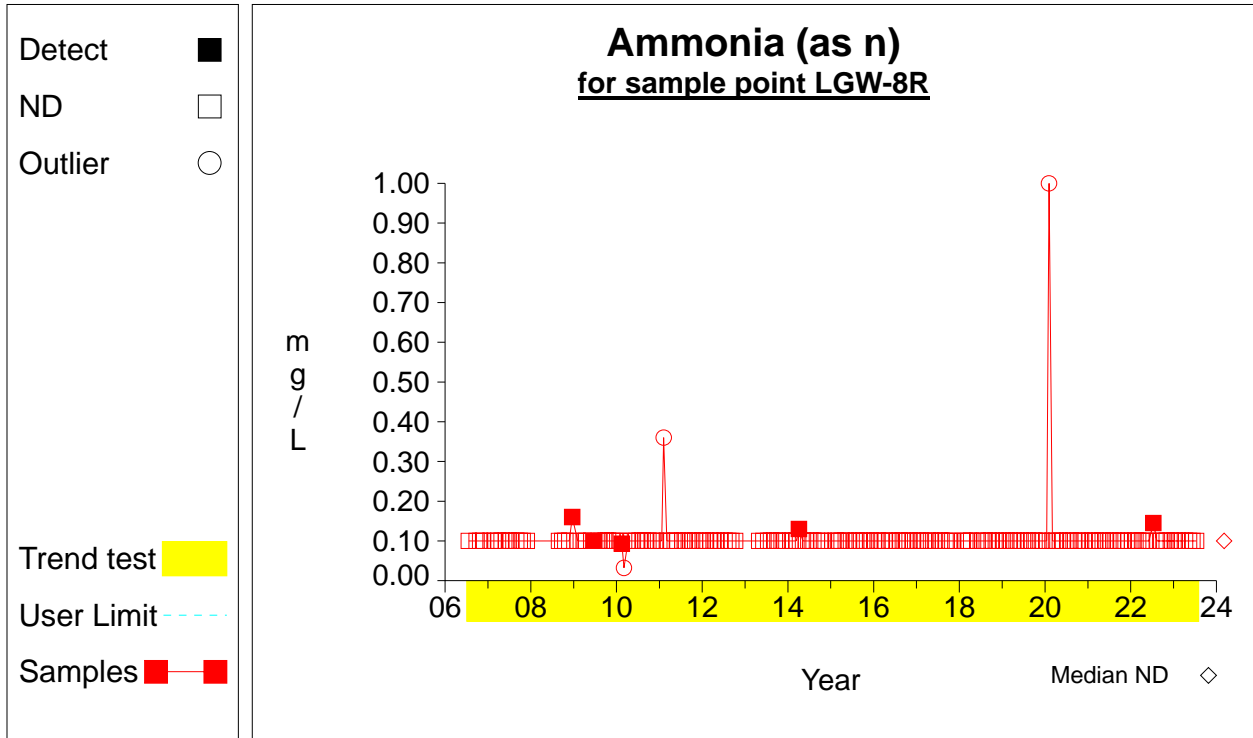
Time Series



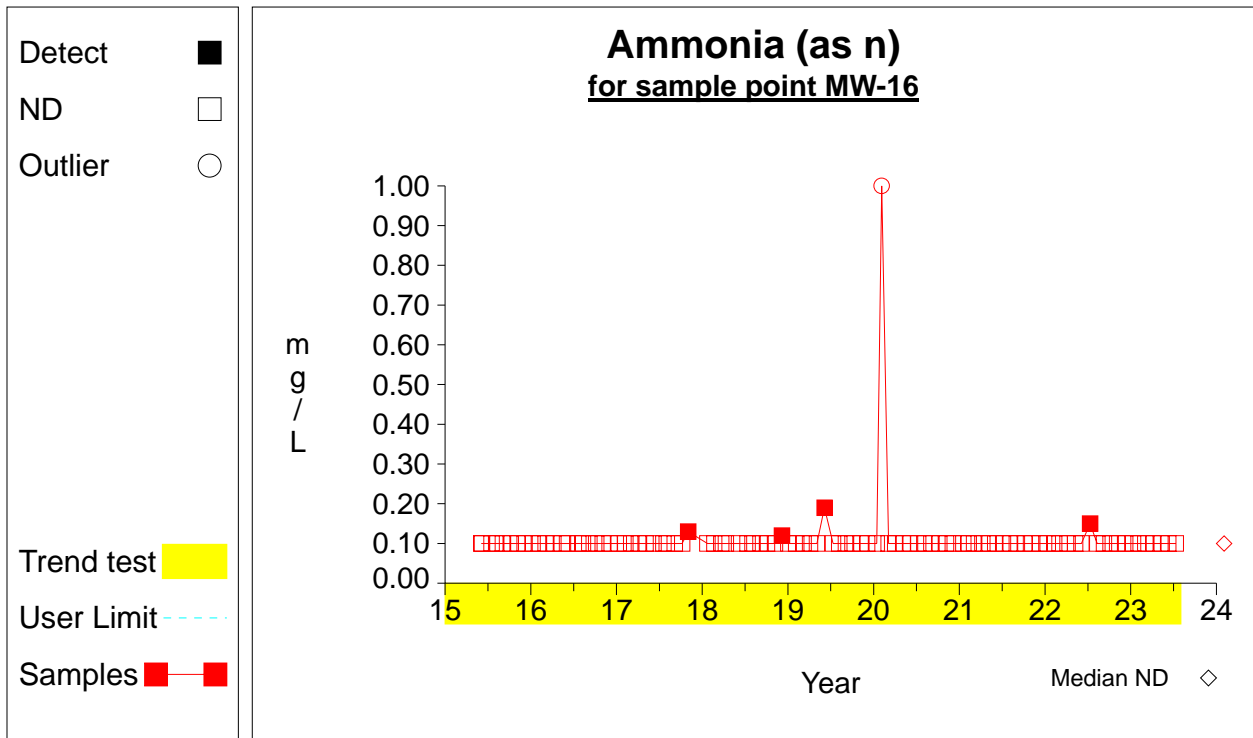
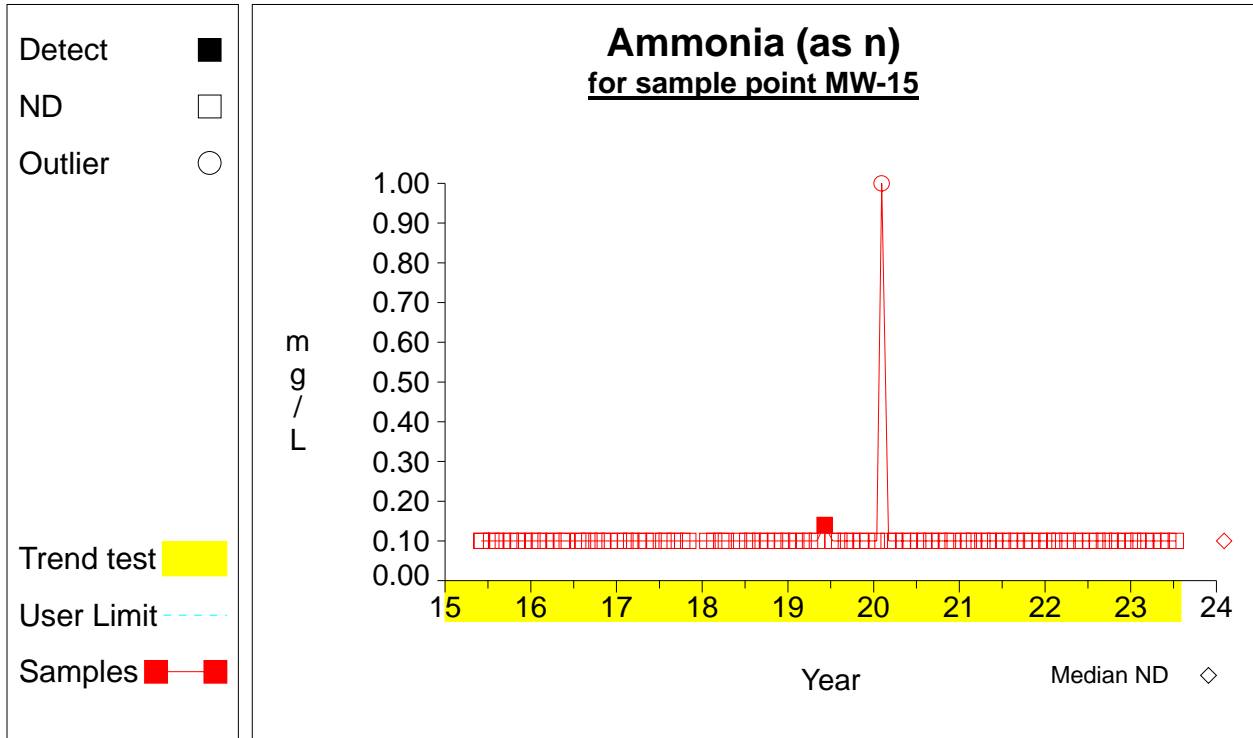
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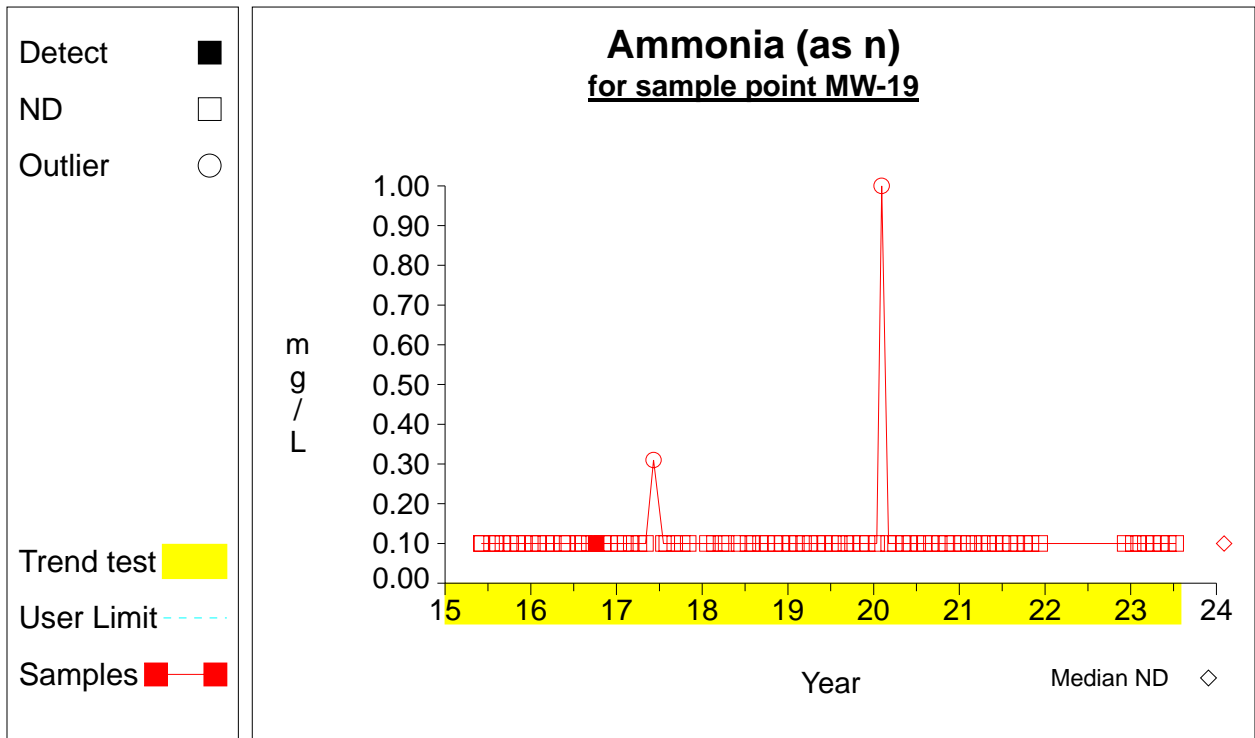
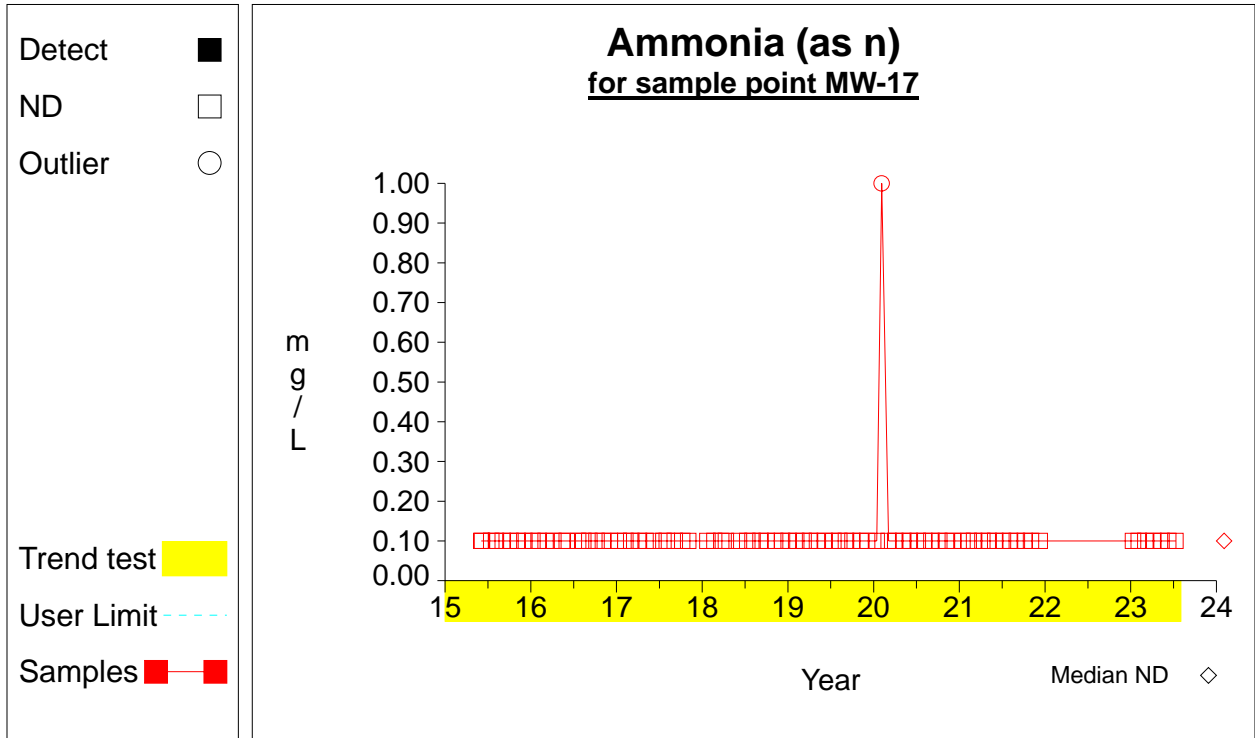
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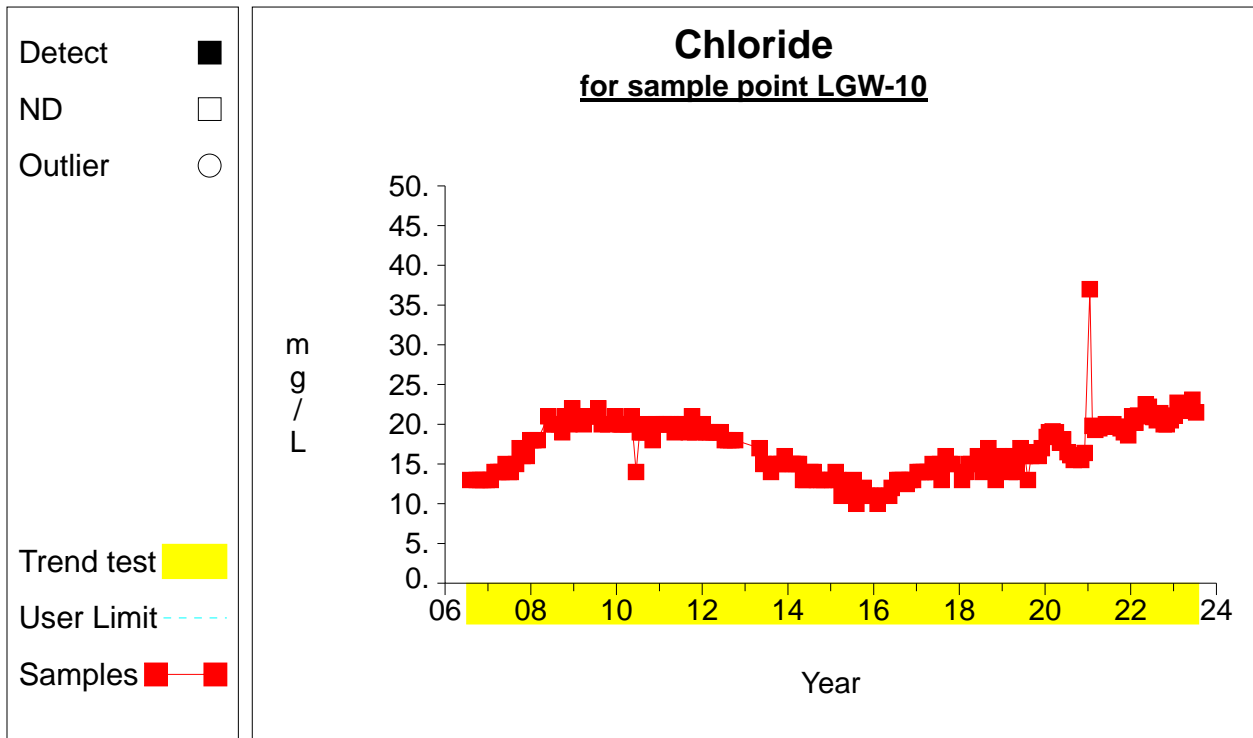
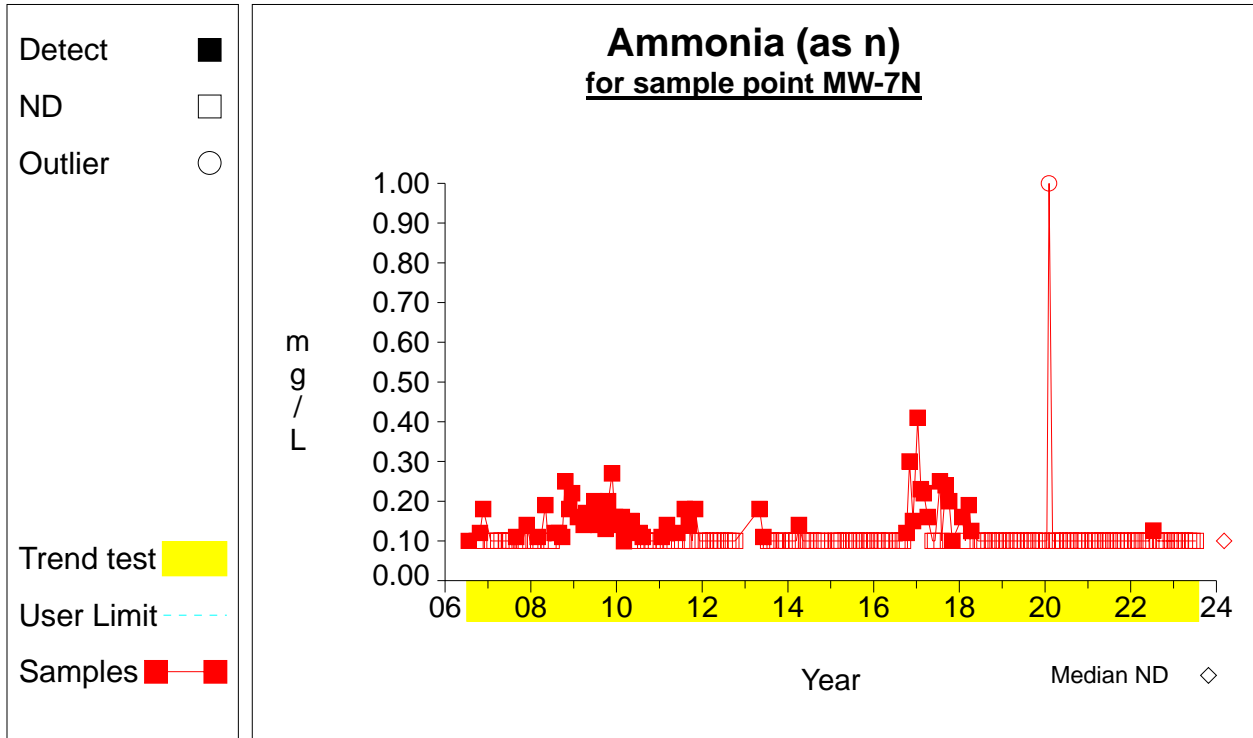
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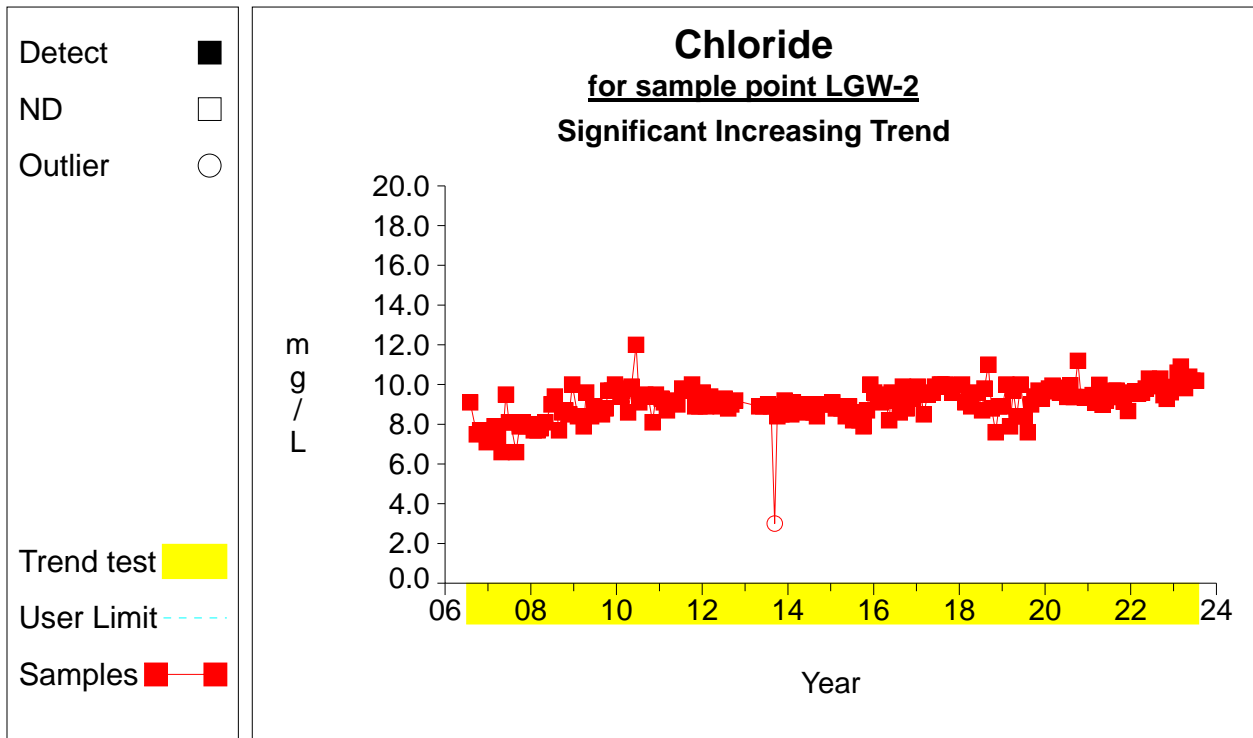
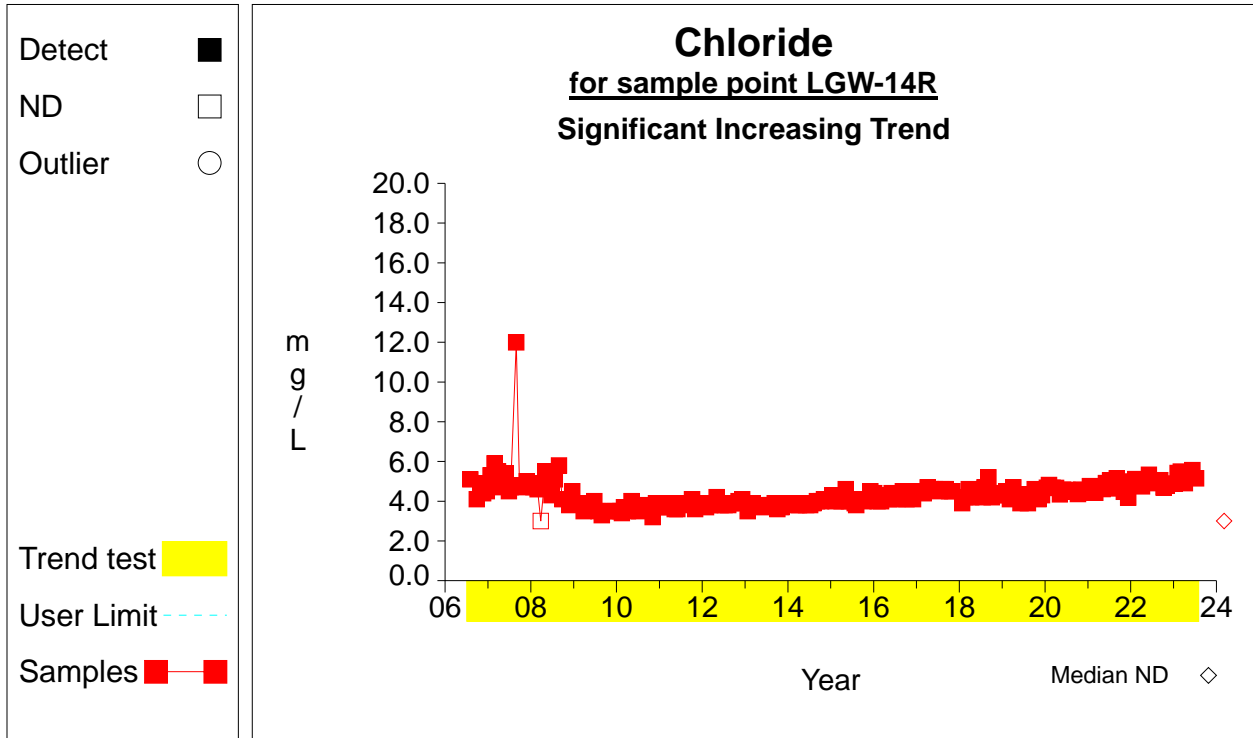
Time Series



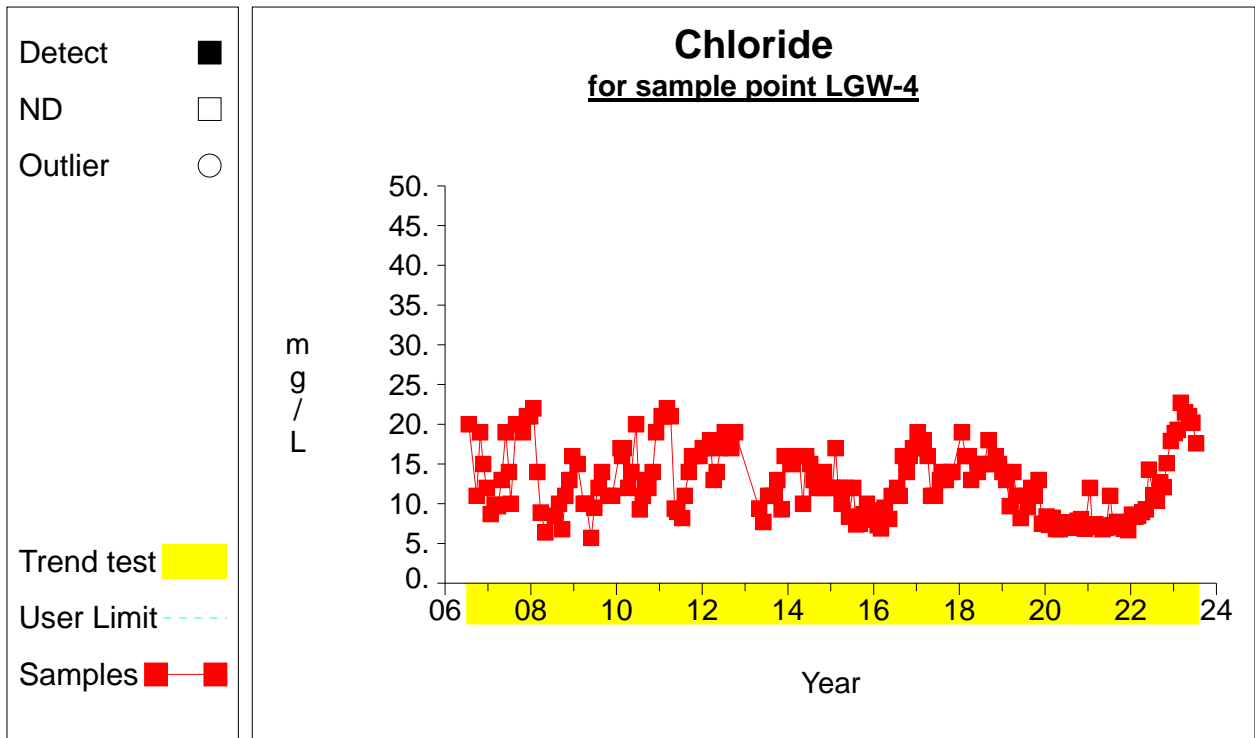
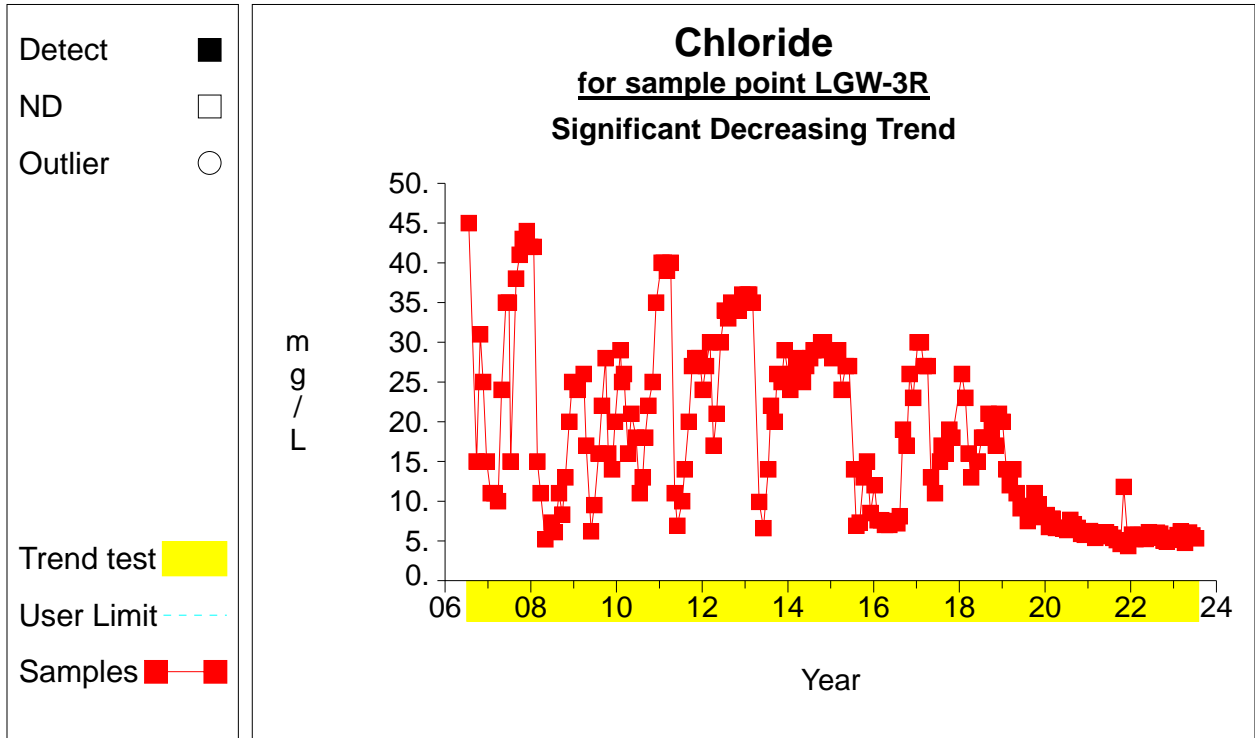
Time Series



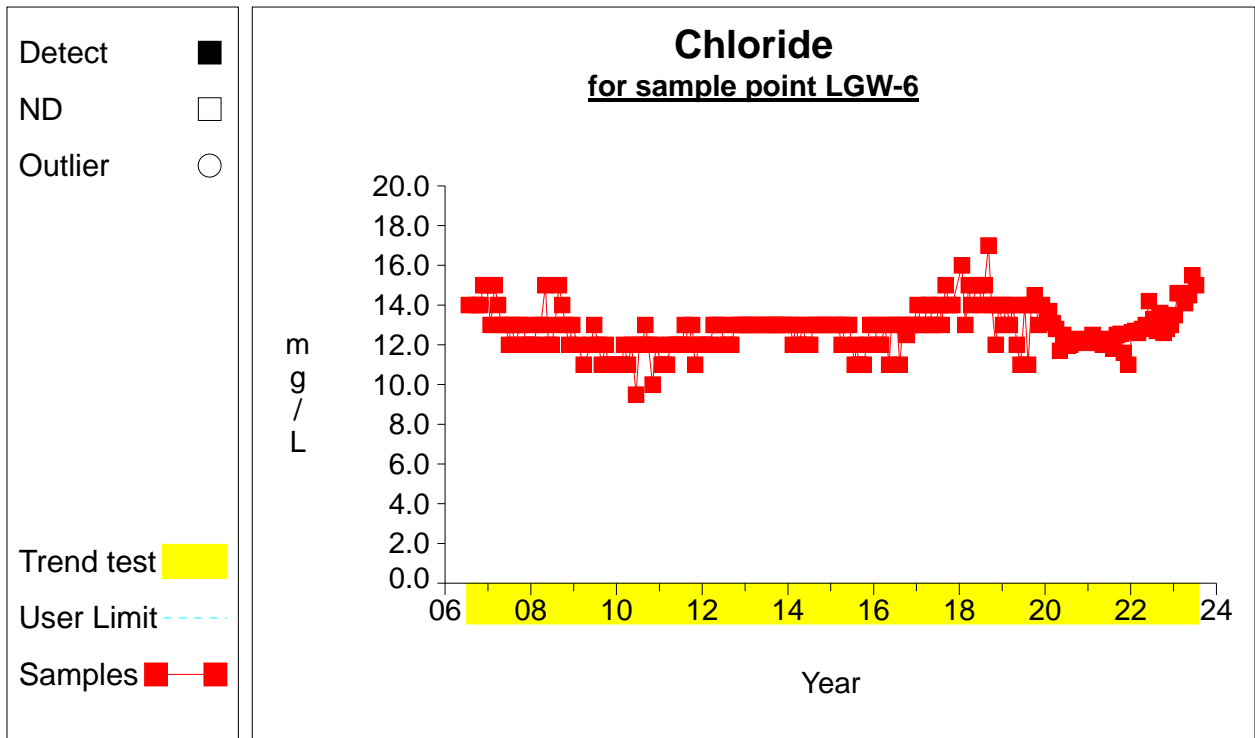
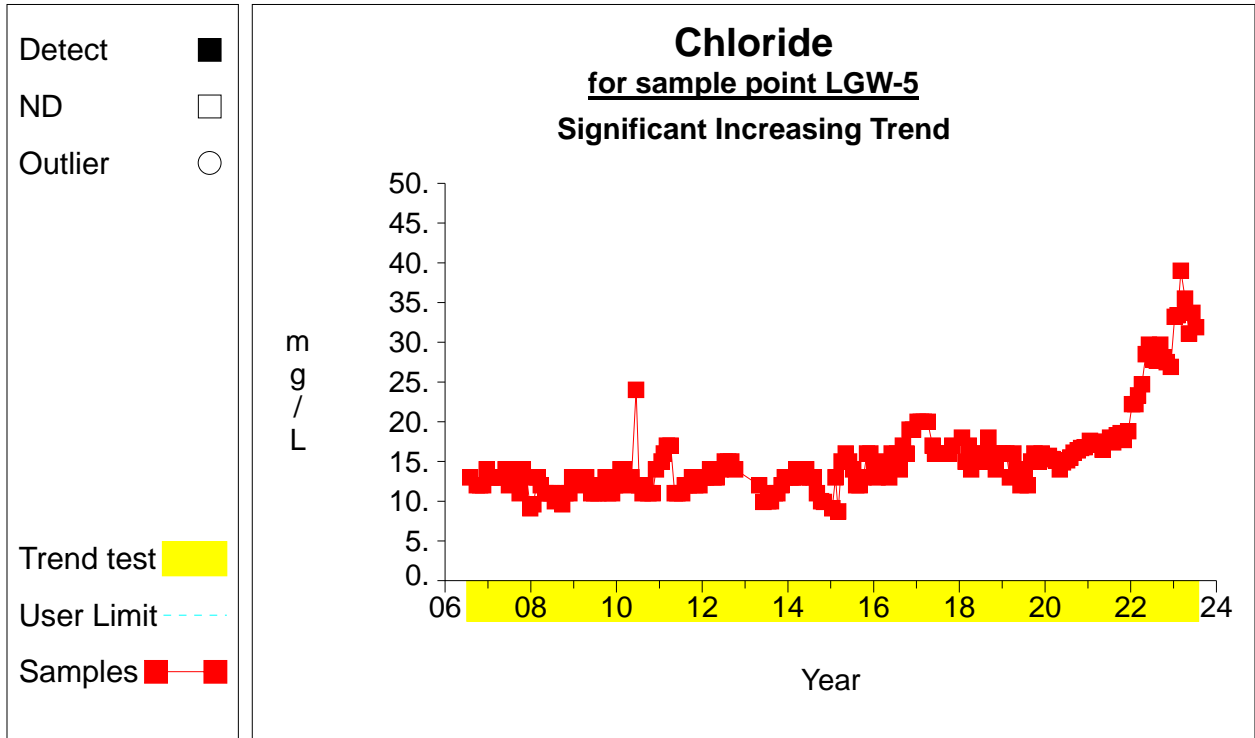
Time Series



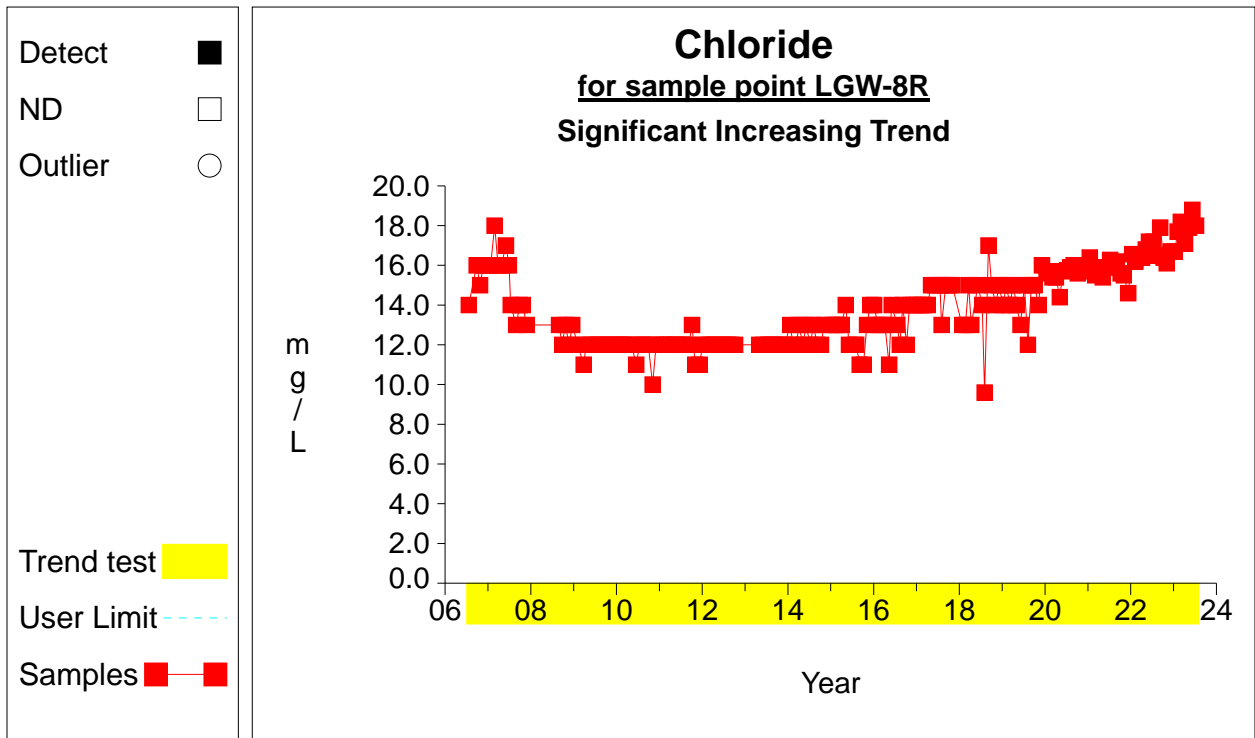
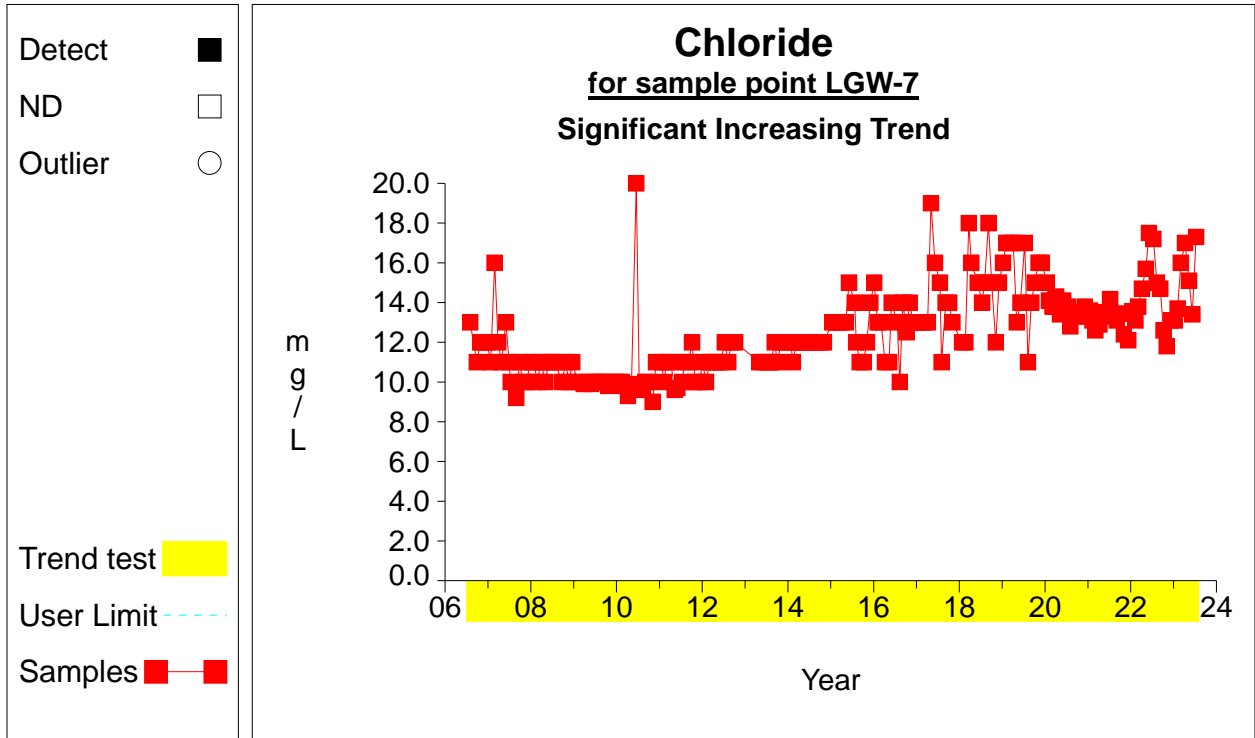
Time Series



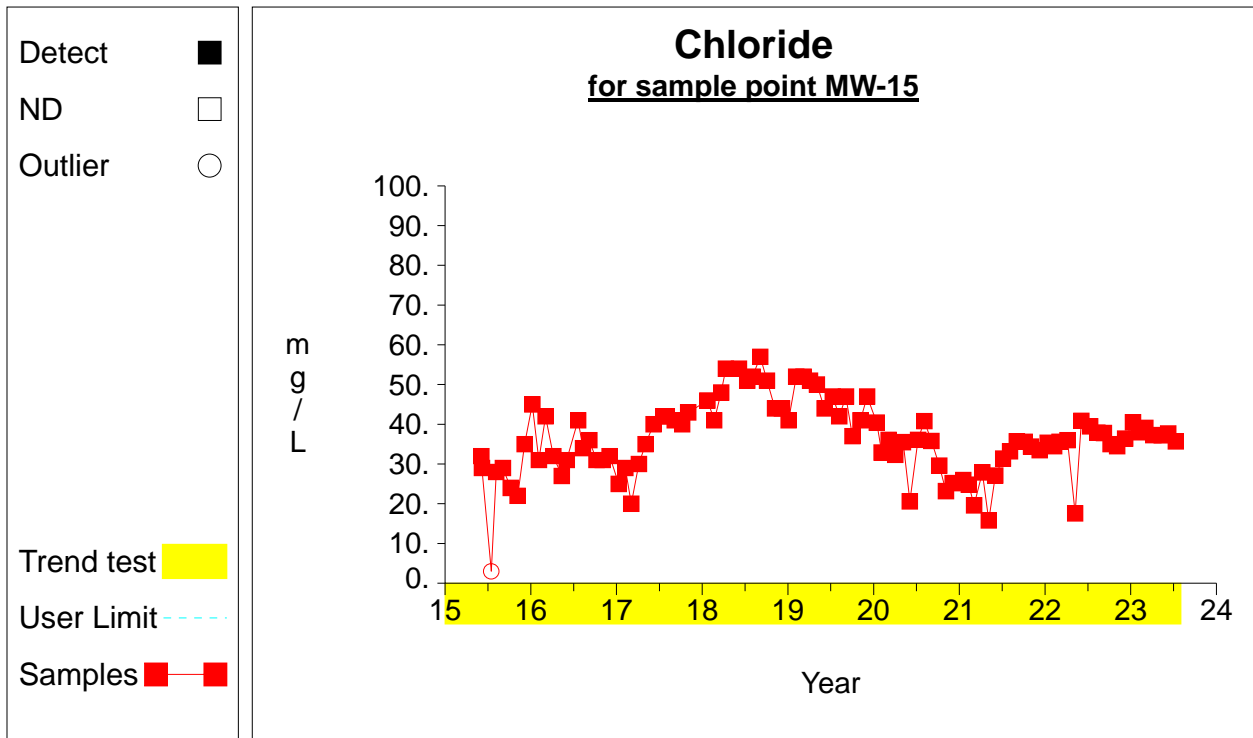
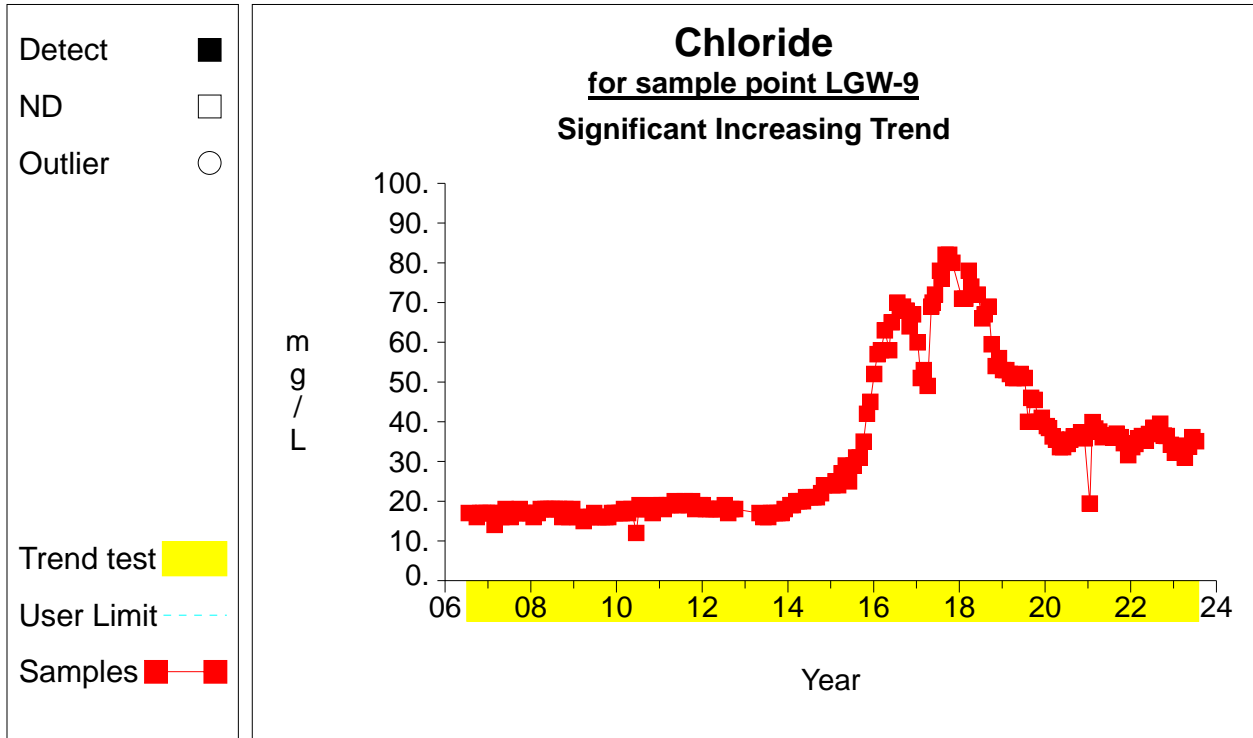
Time Series



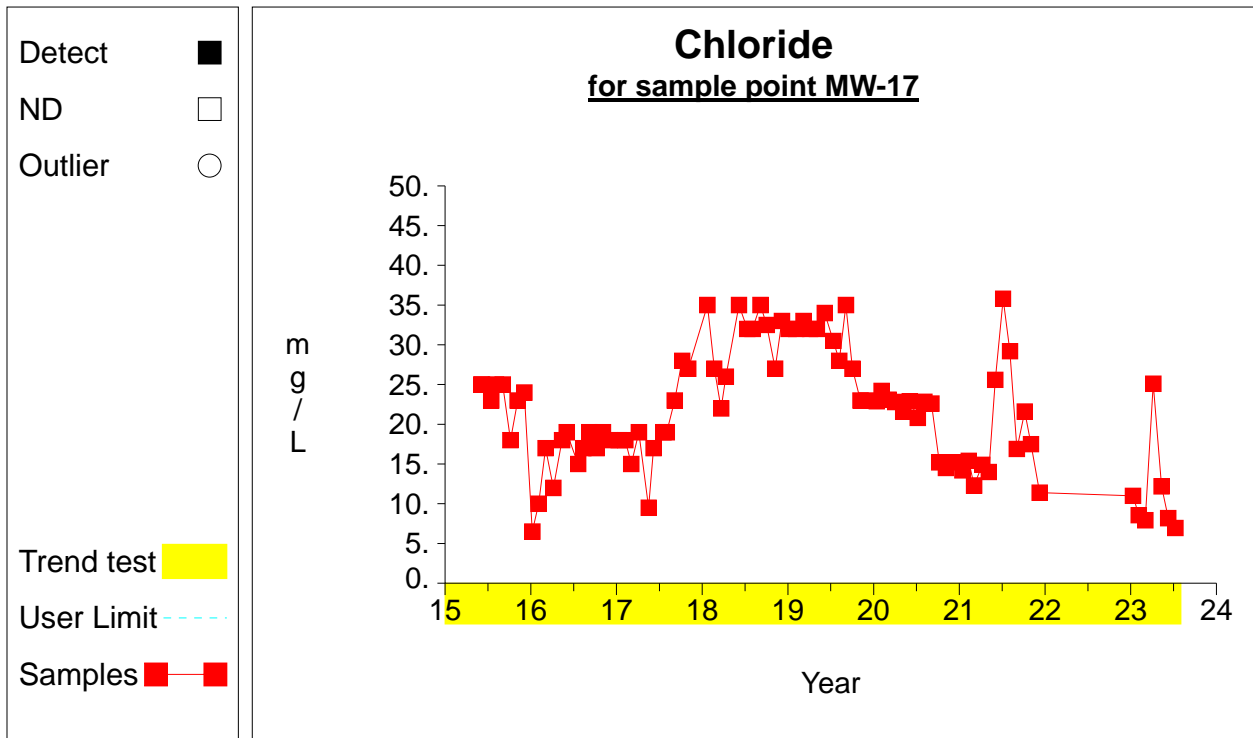
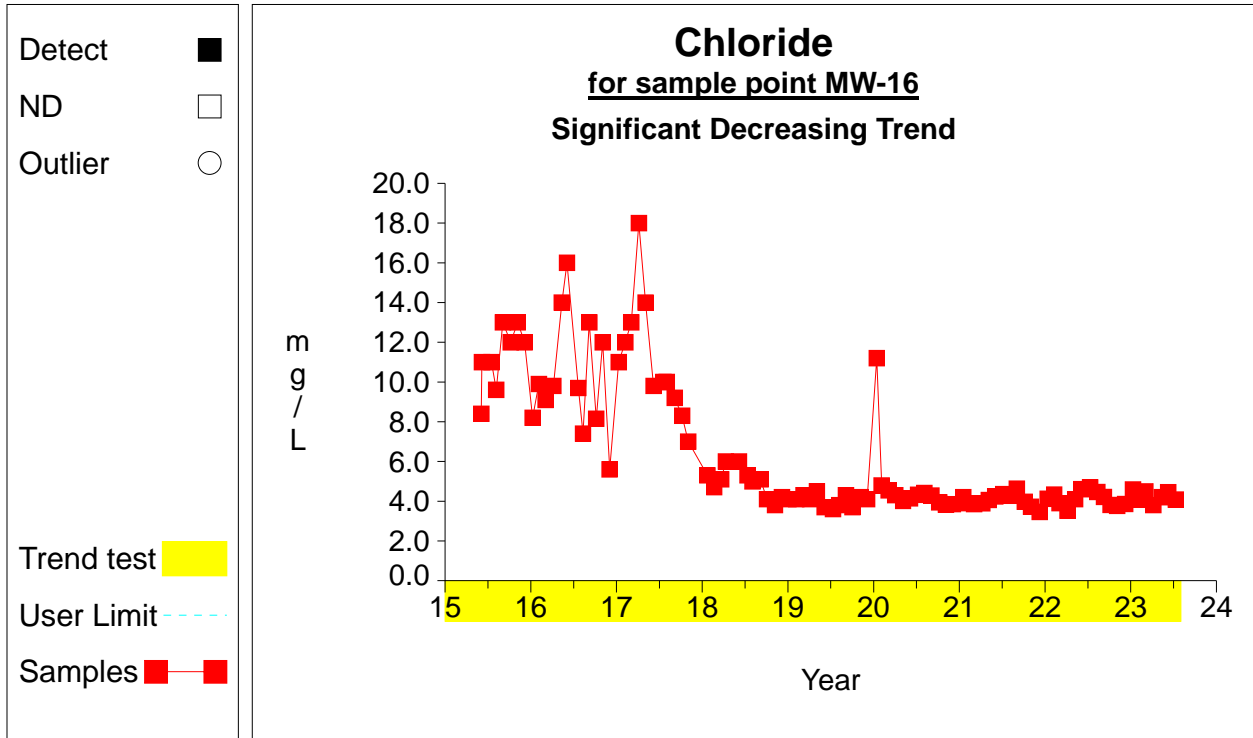
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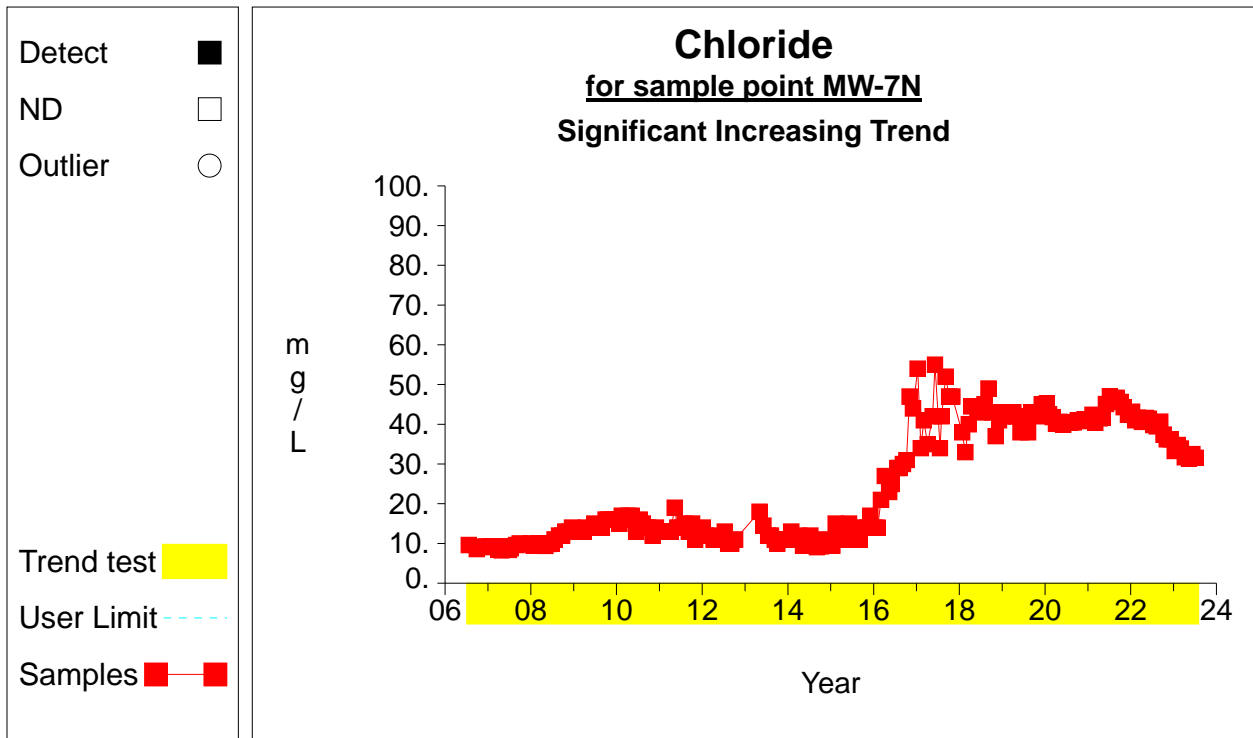
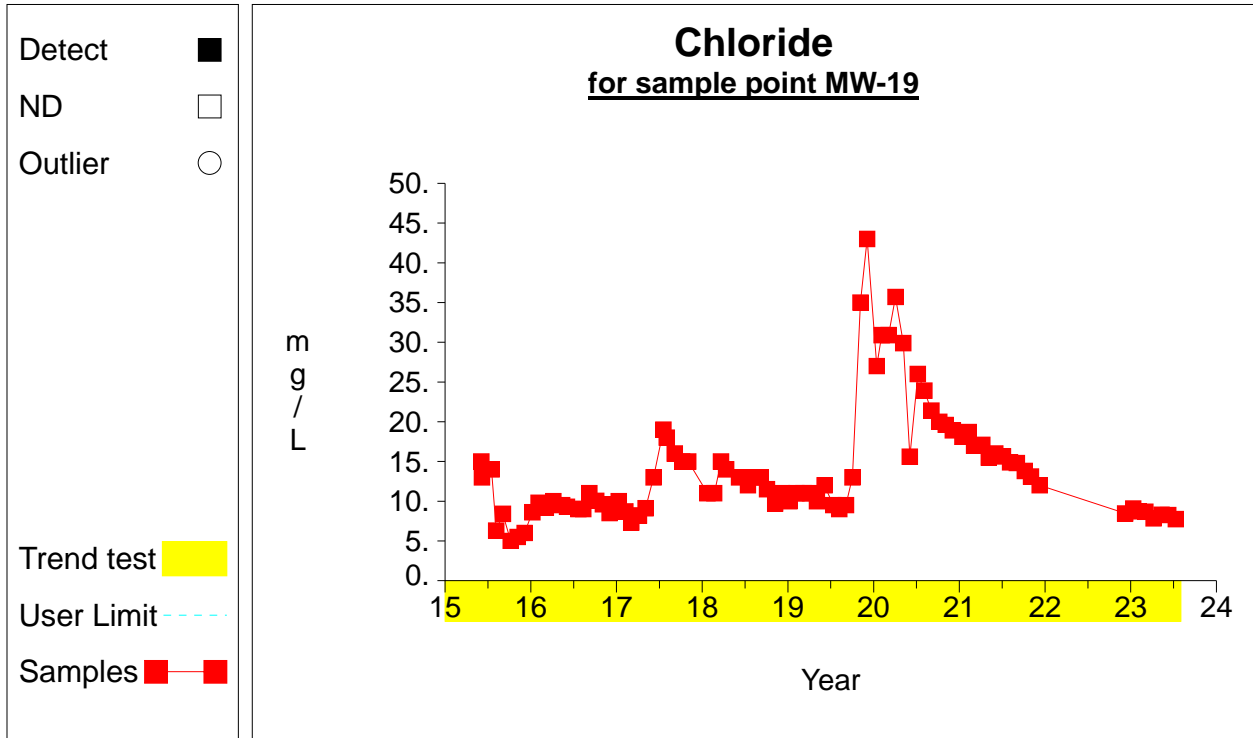
Time Series



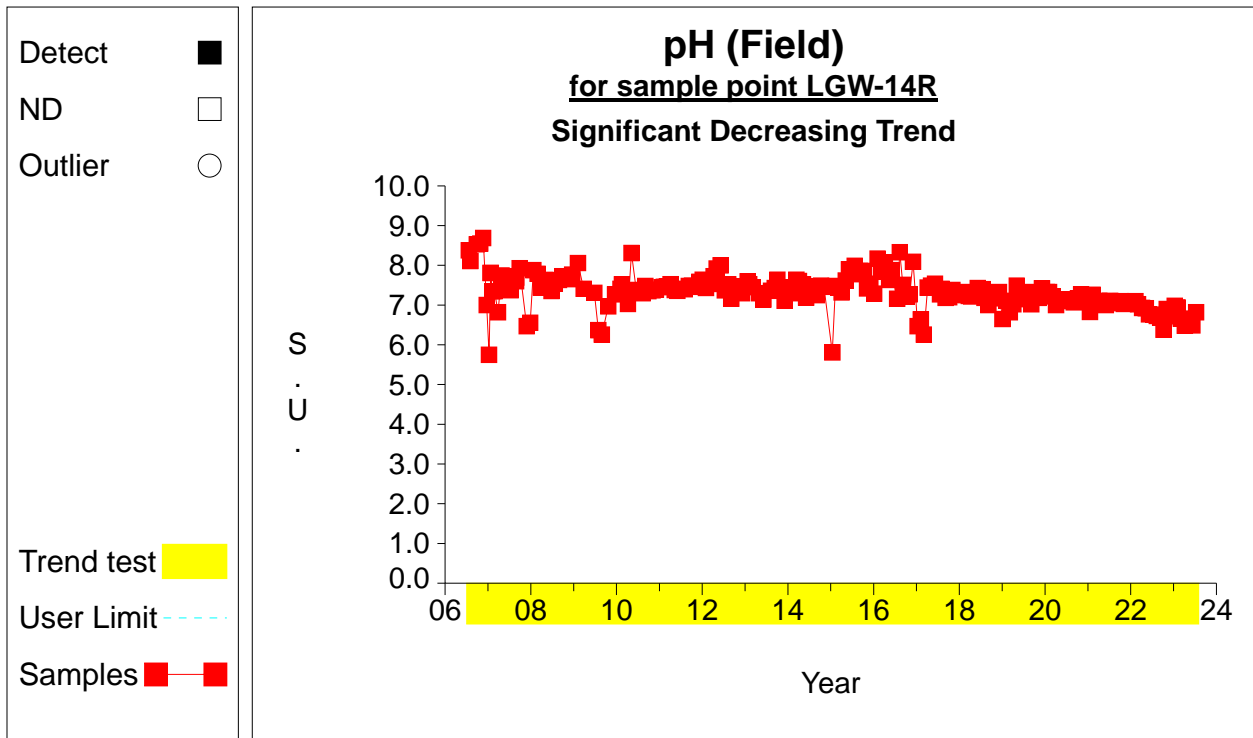
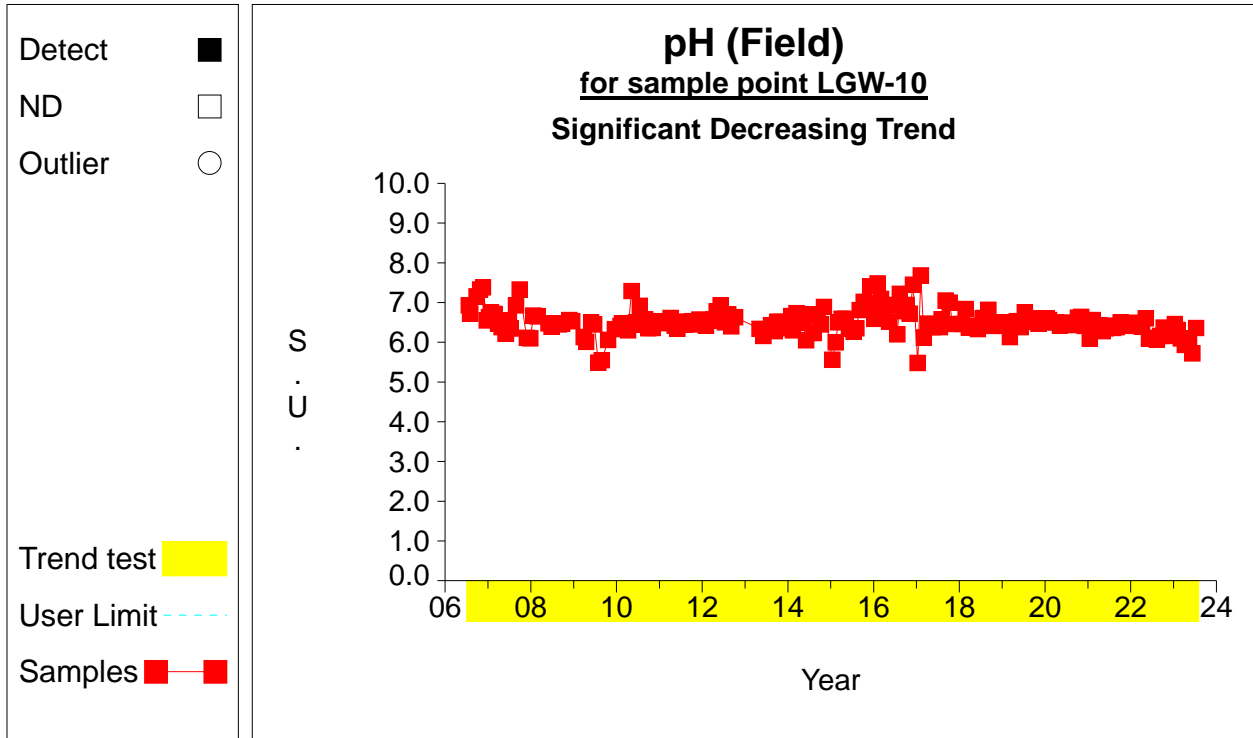
Time Series



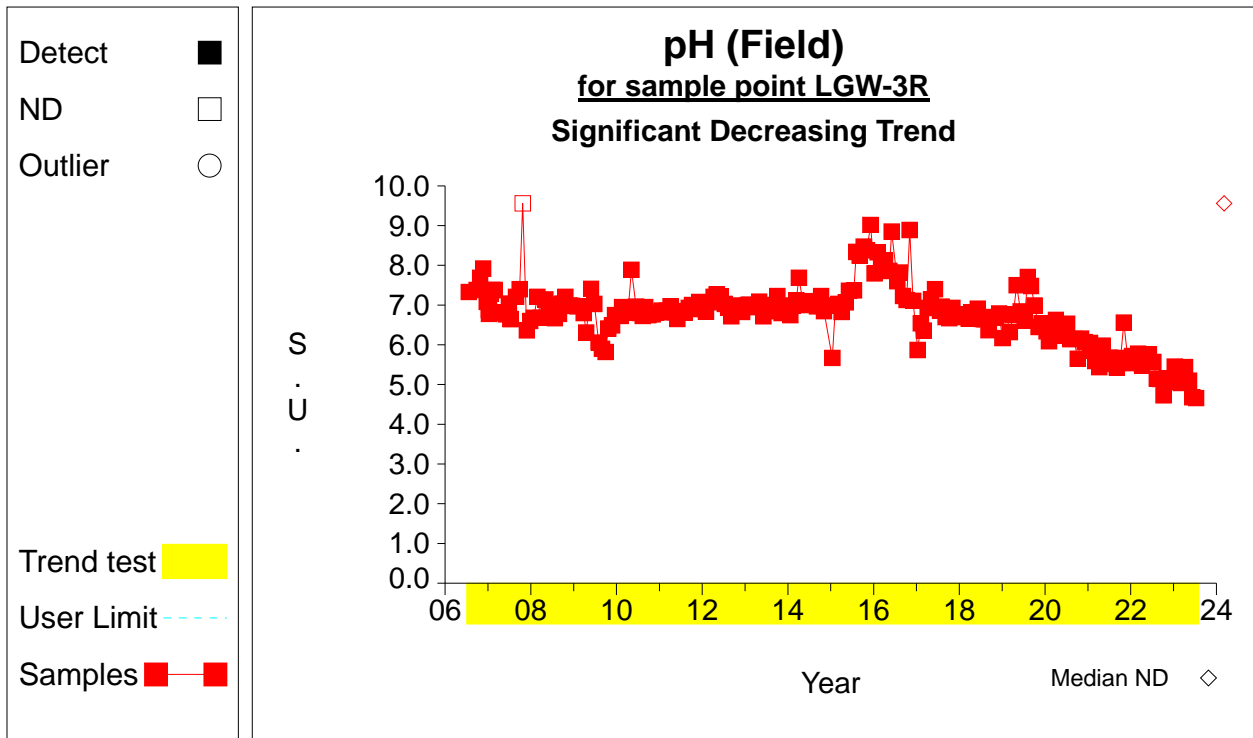
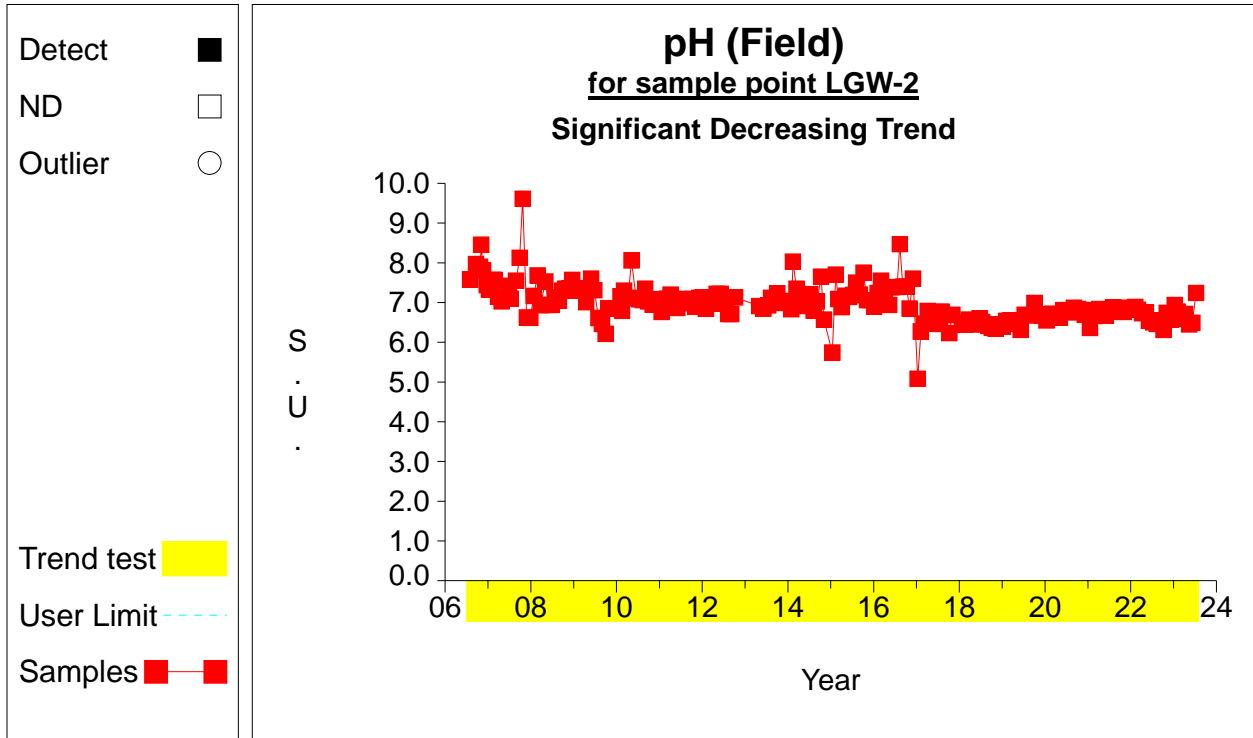
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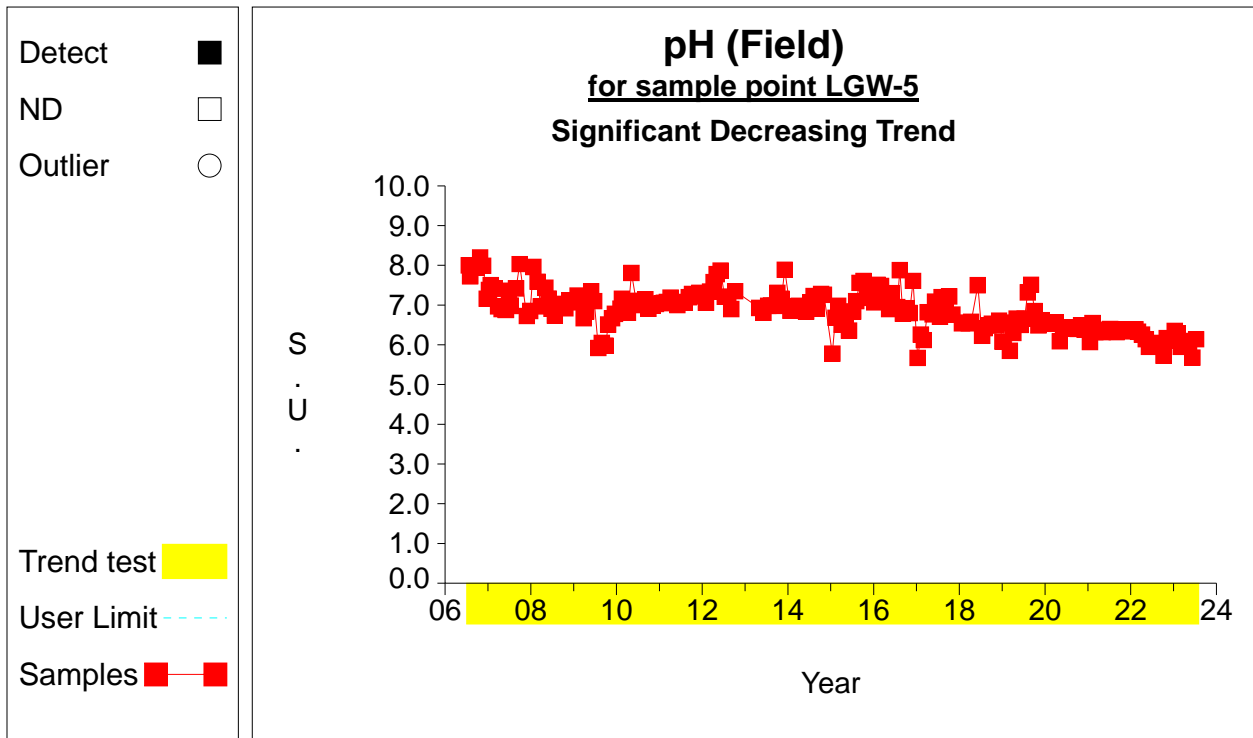
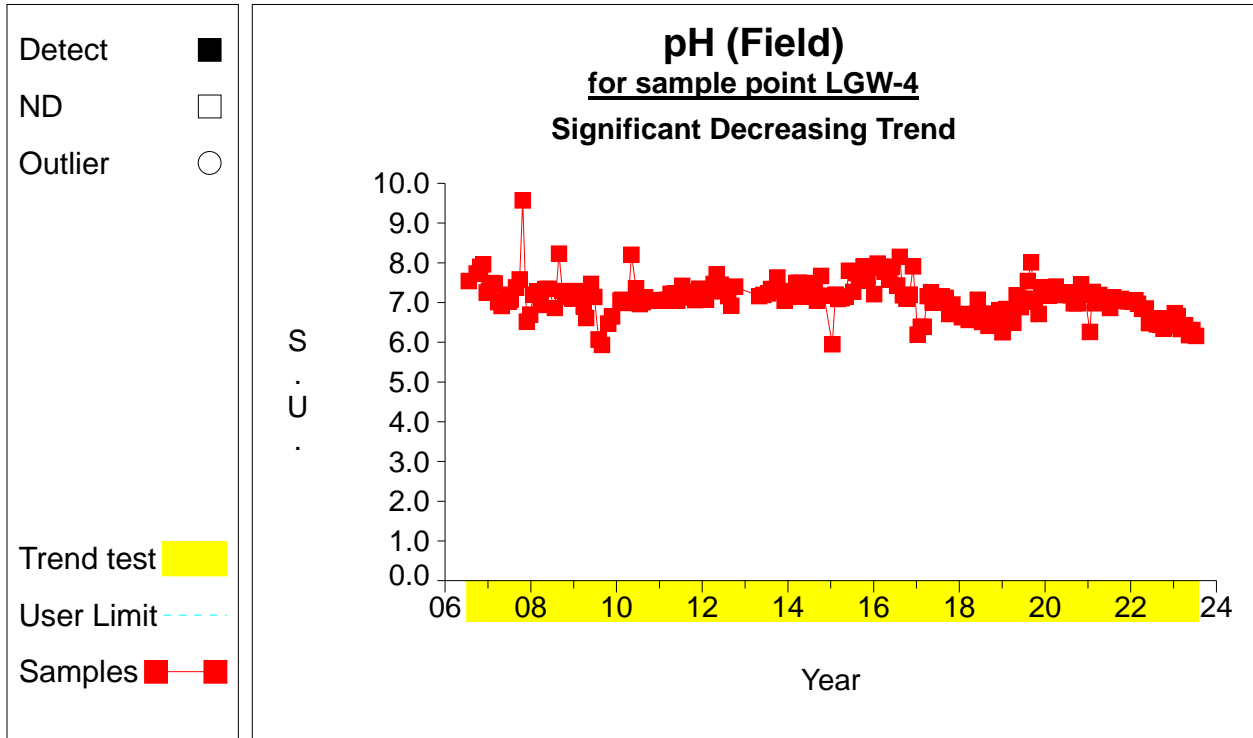
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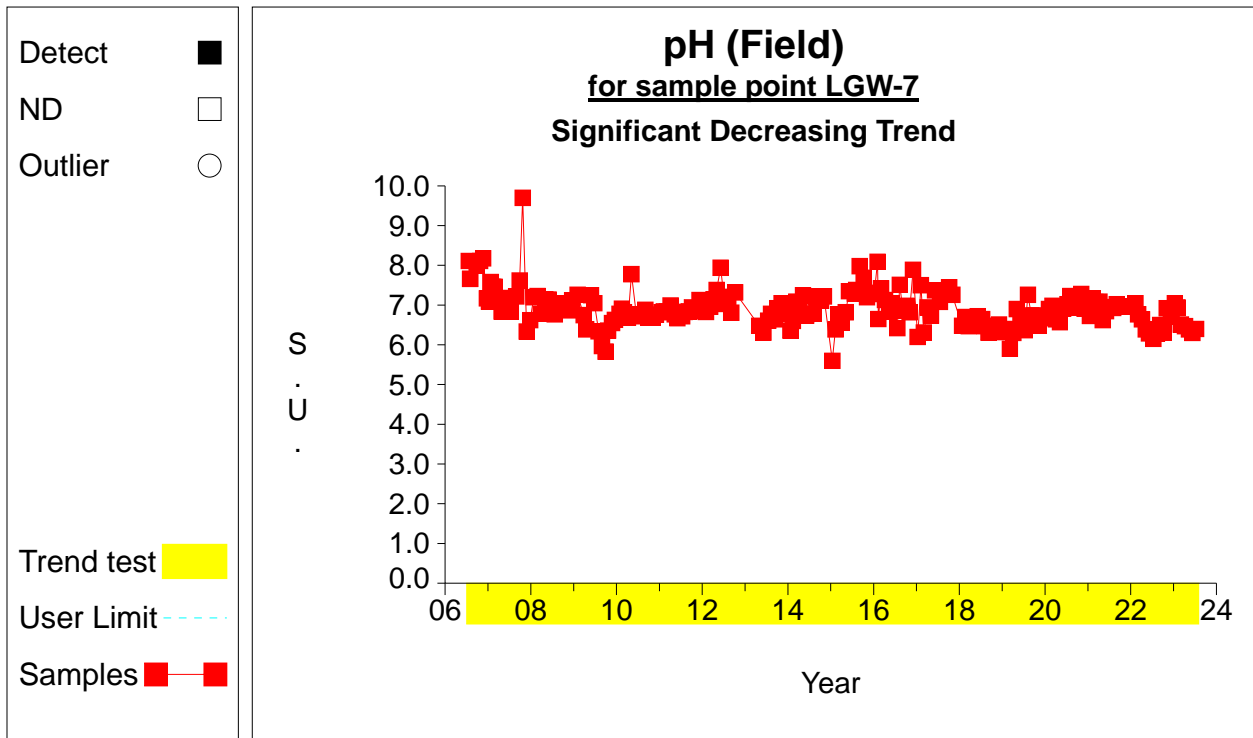
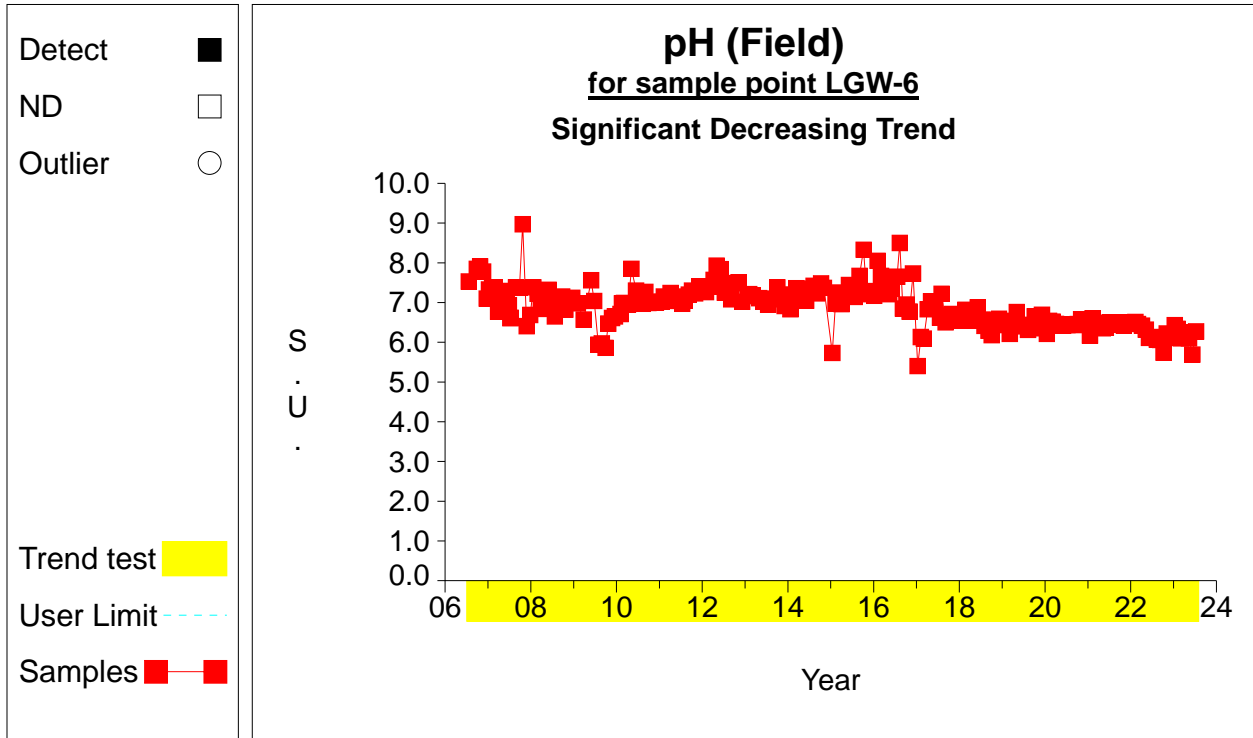
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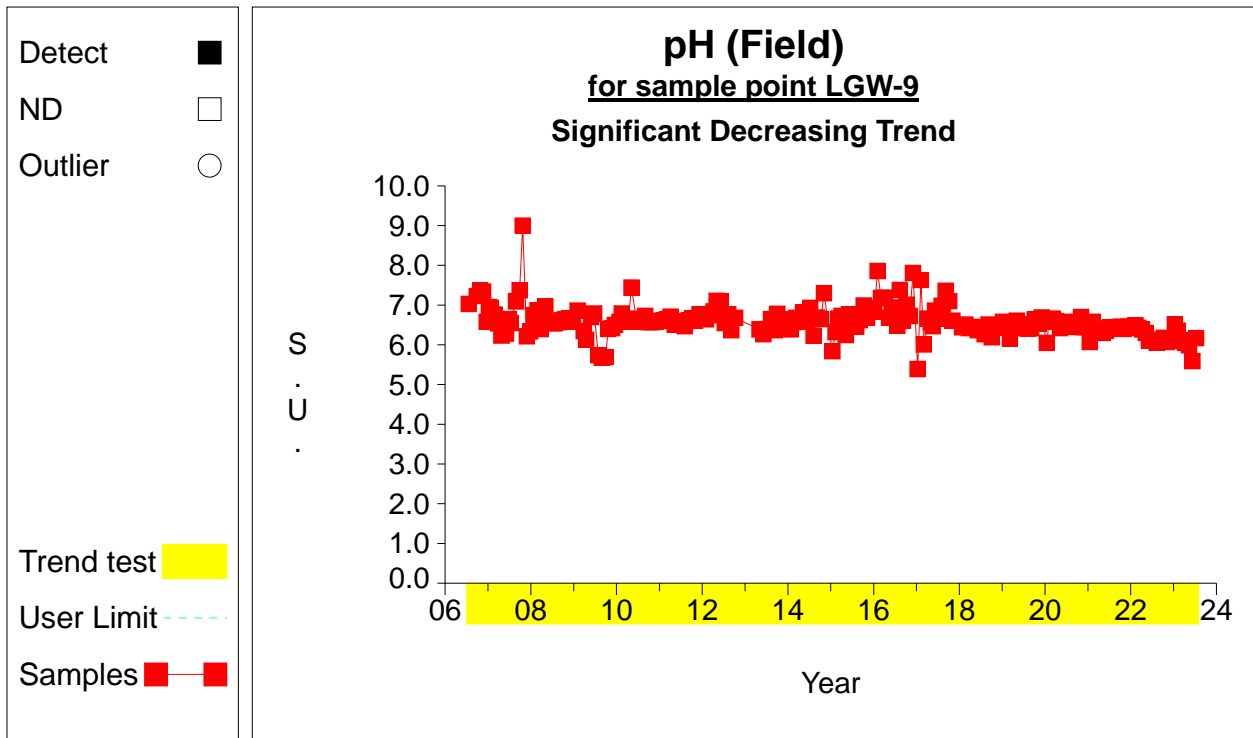
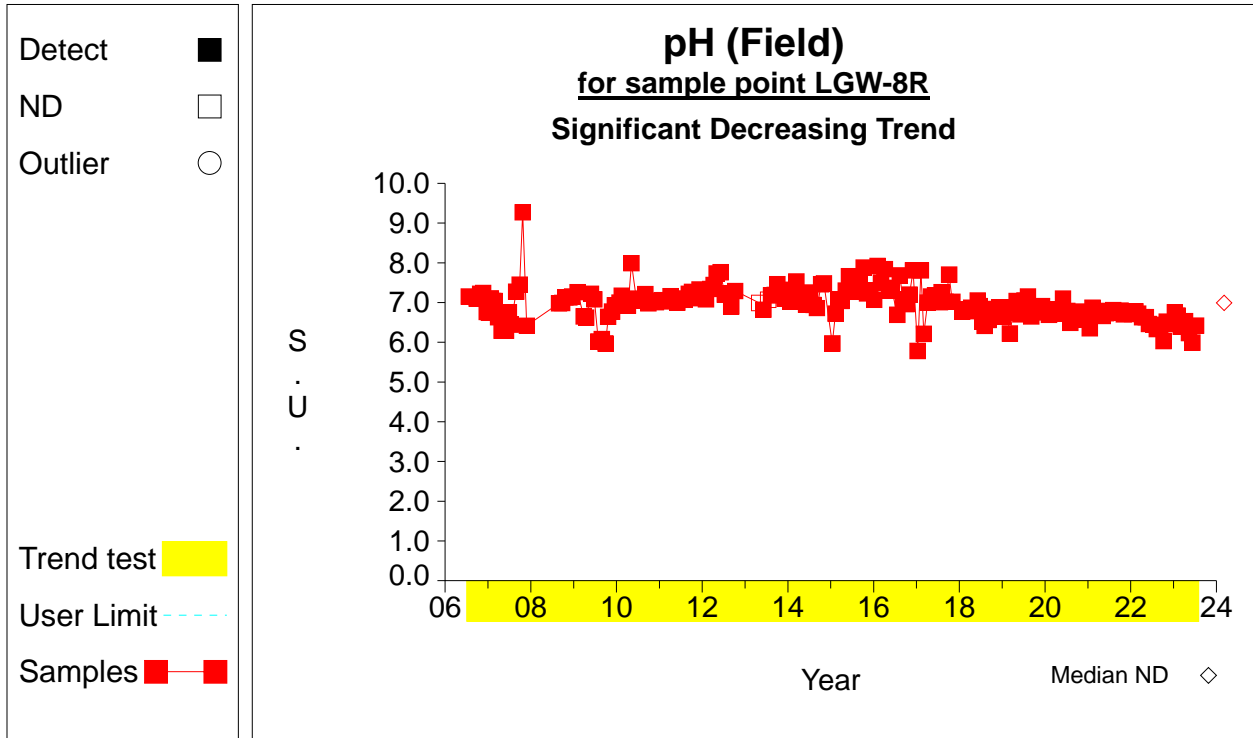
Time Series



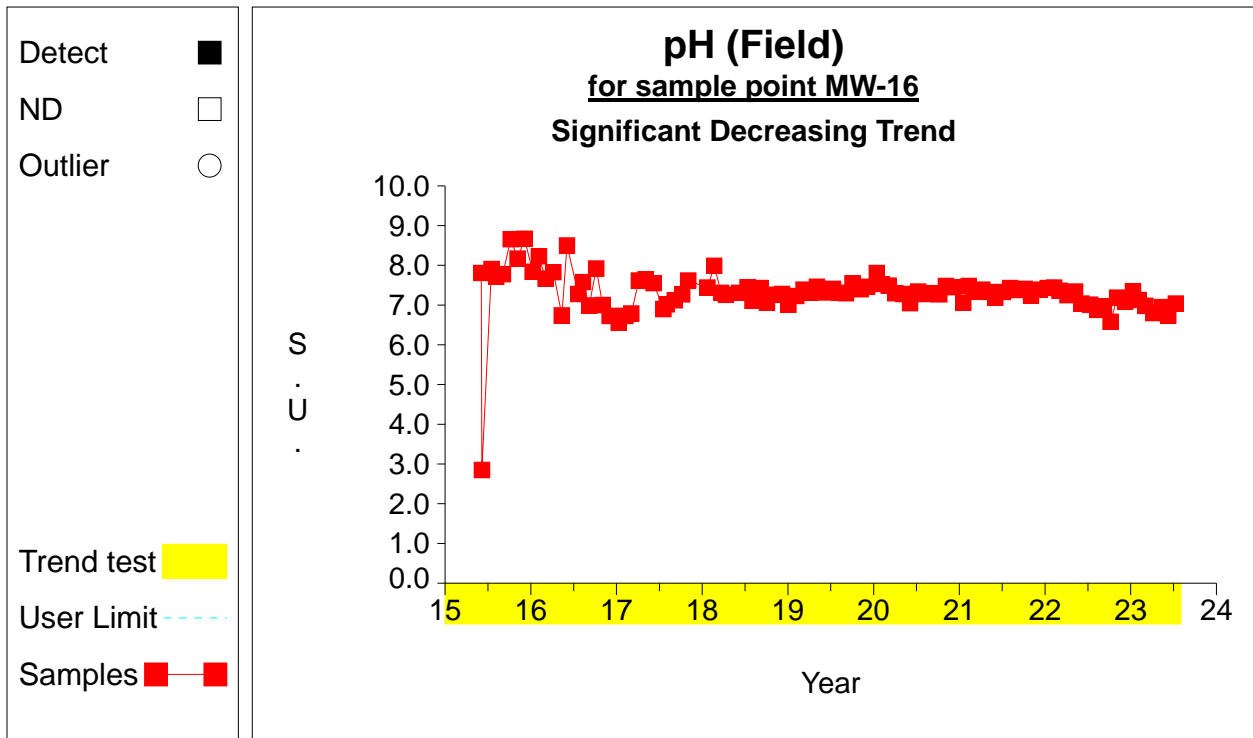
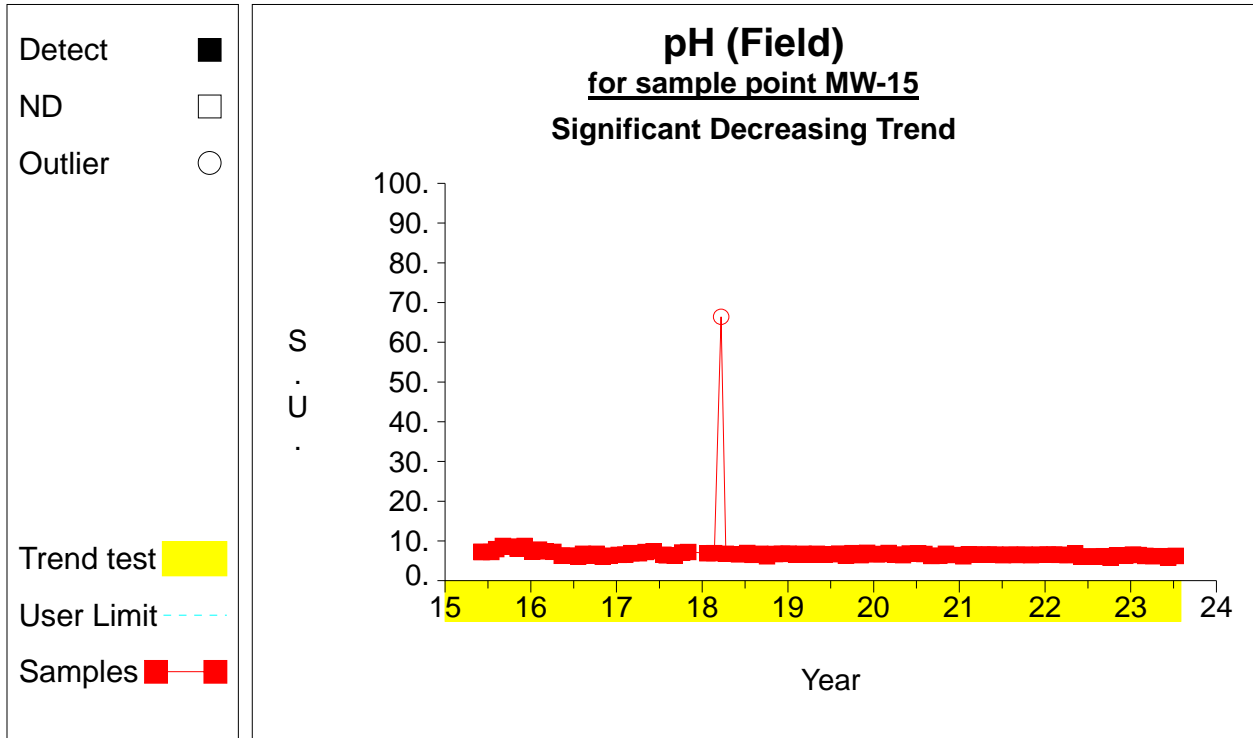
Time Series



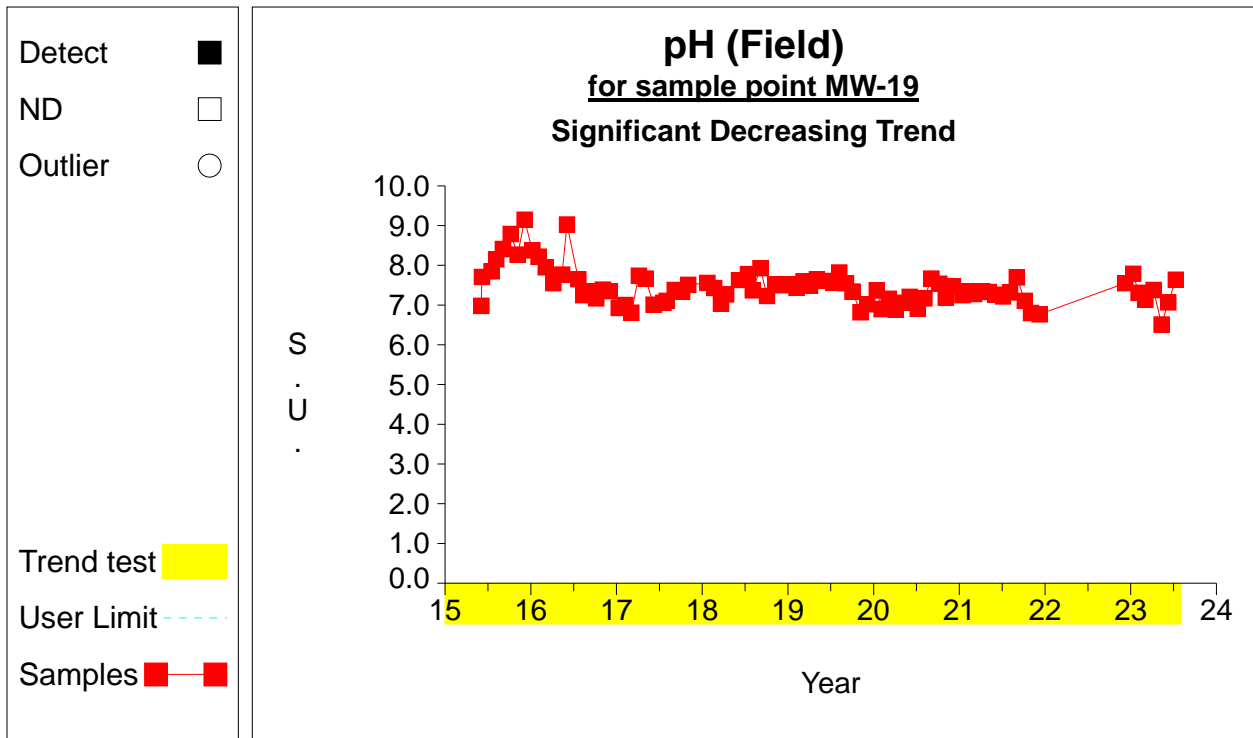
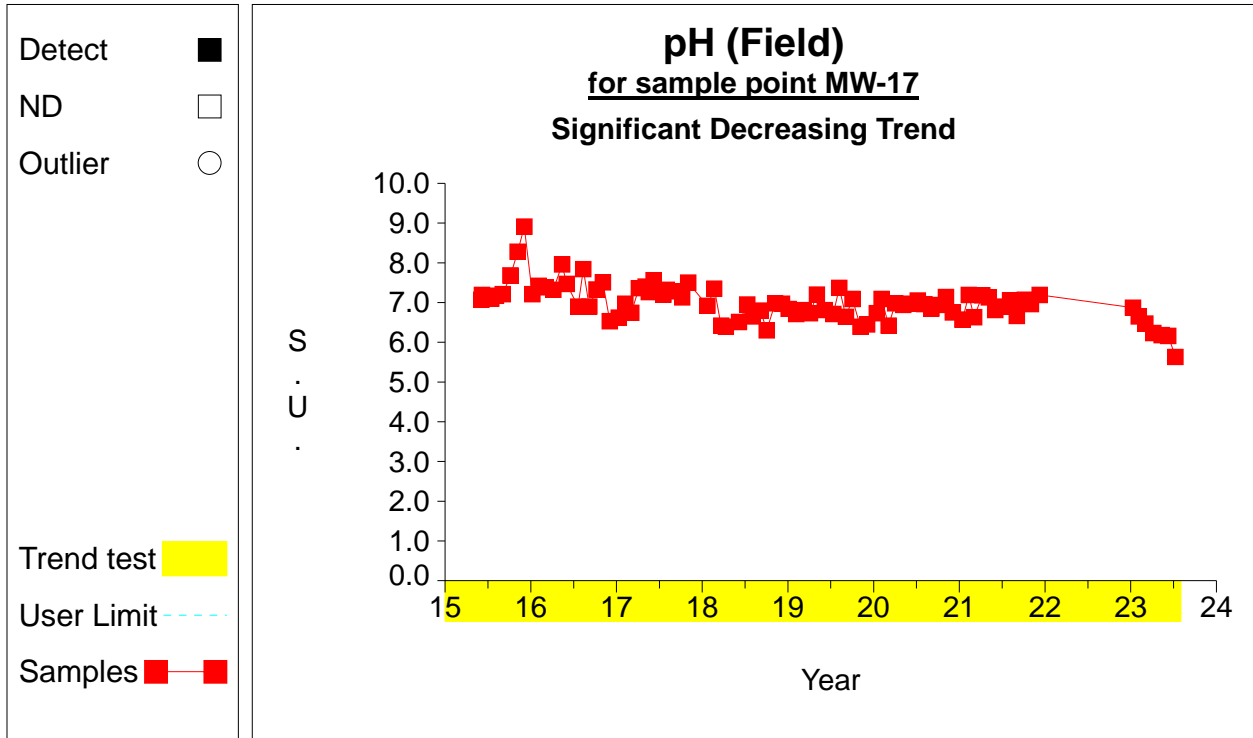
Time Series



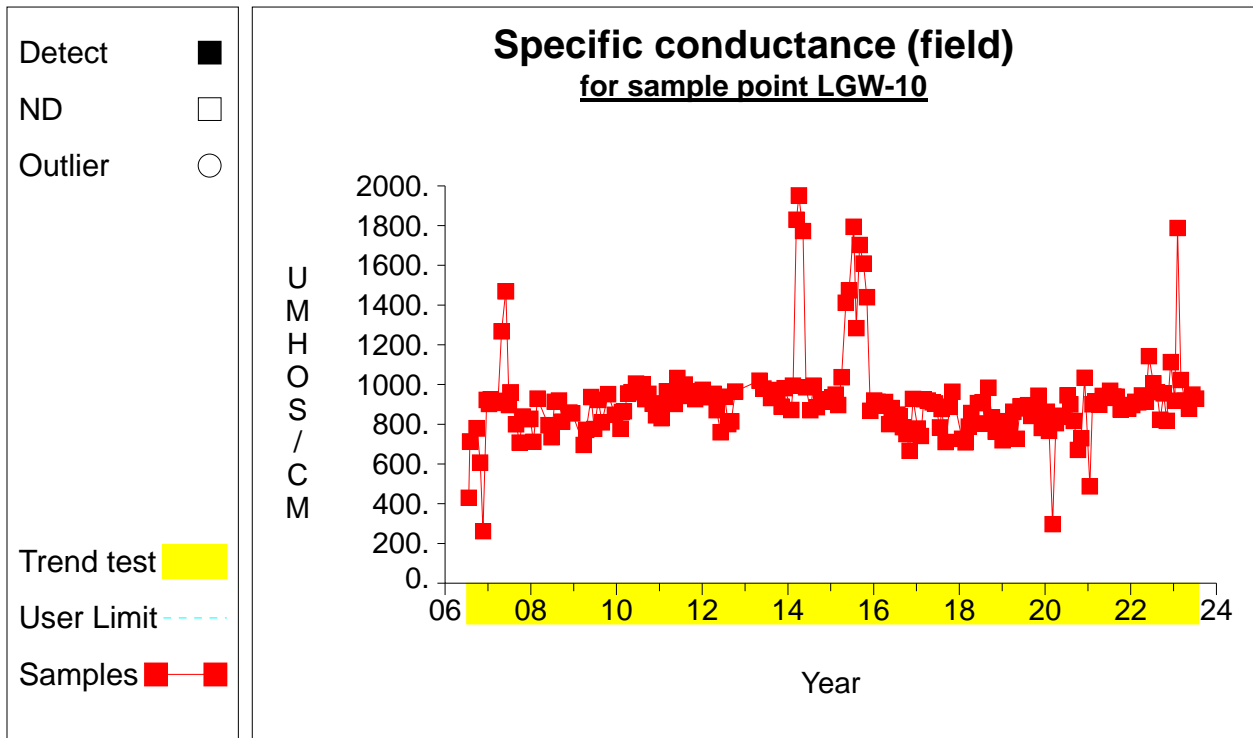
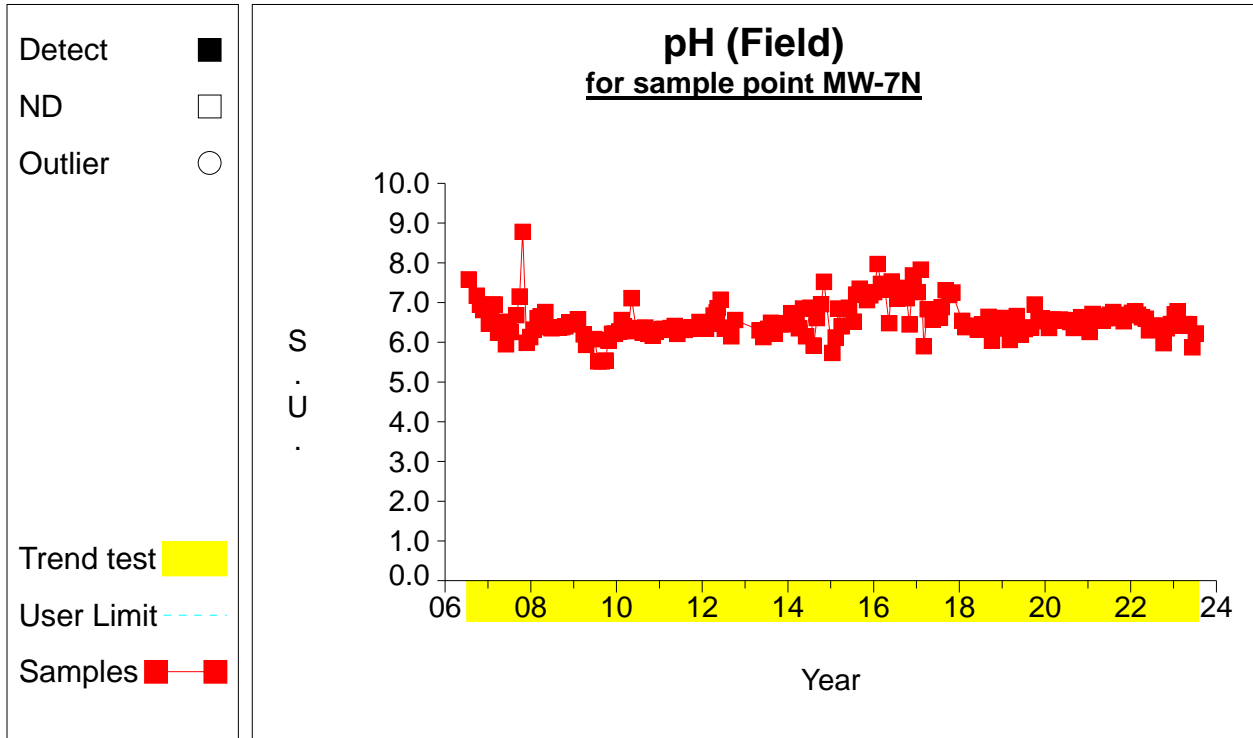
Time Series



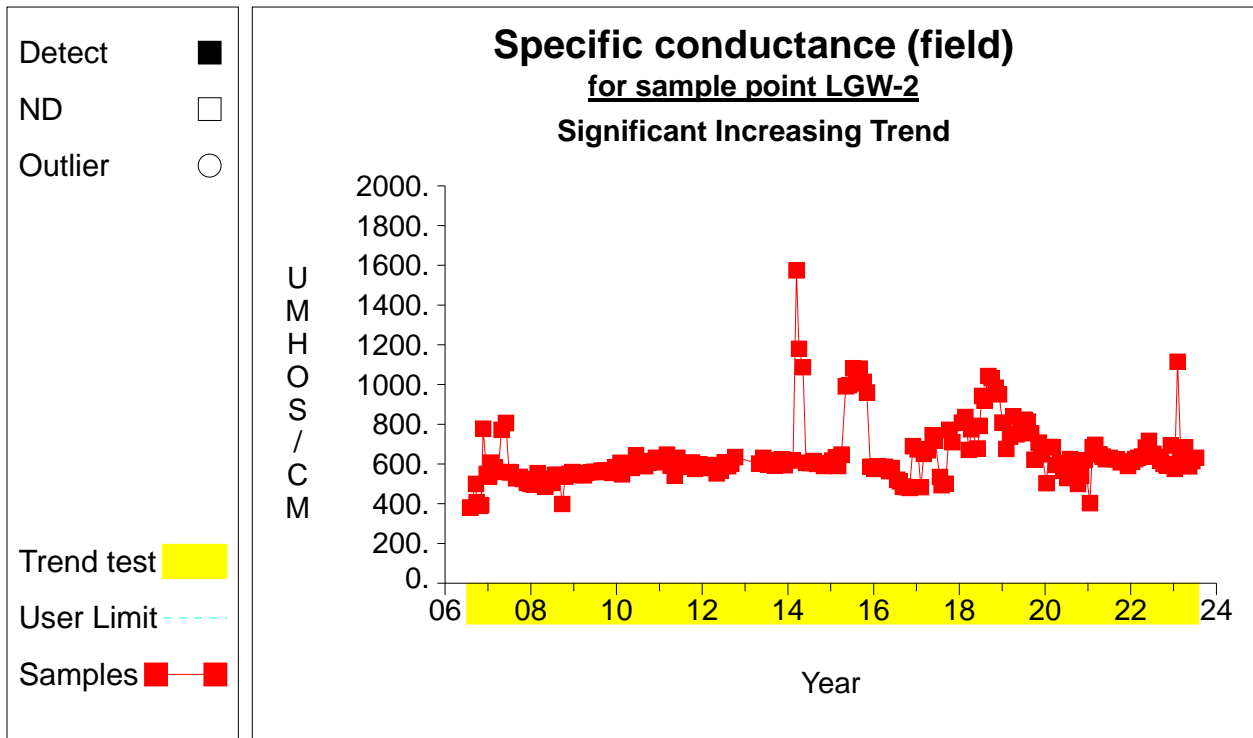
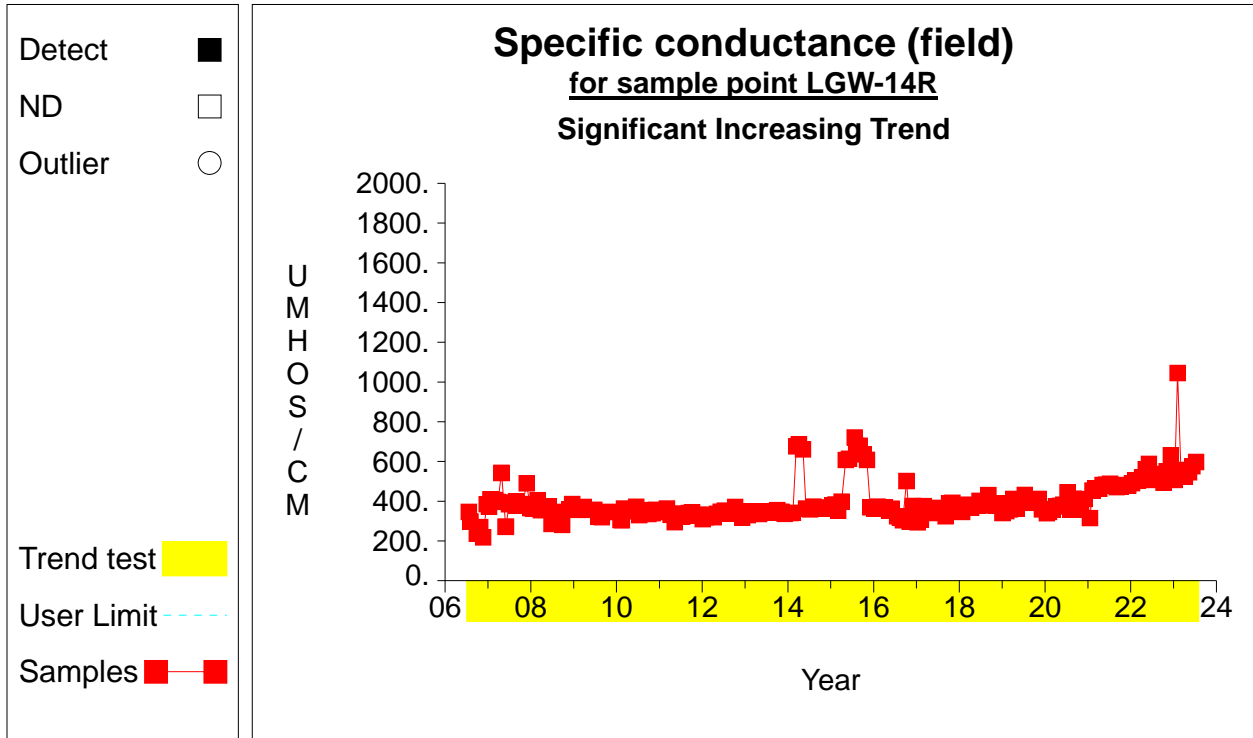
Time Series



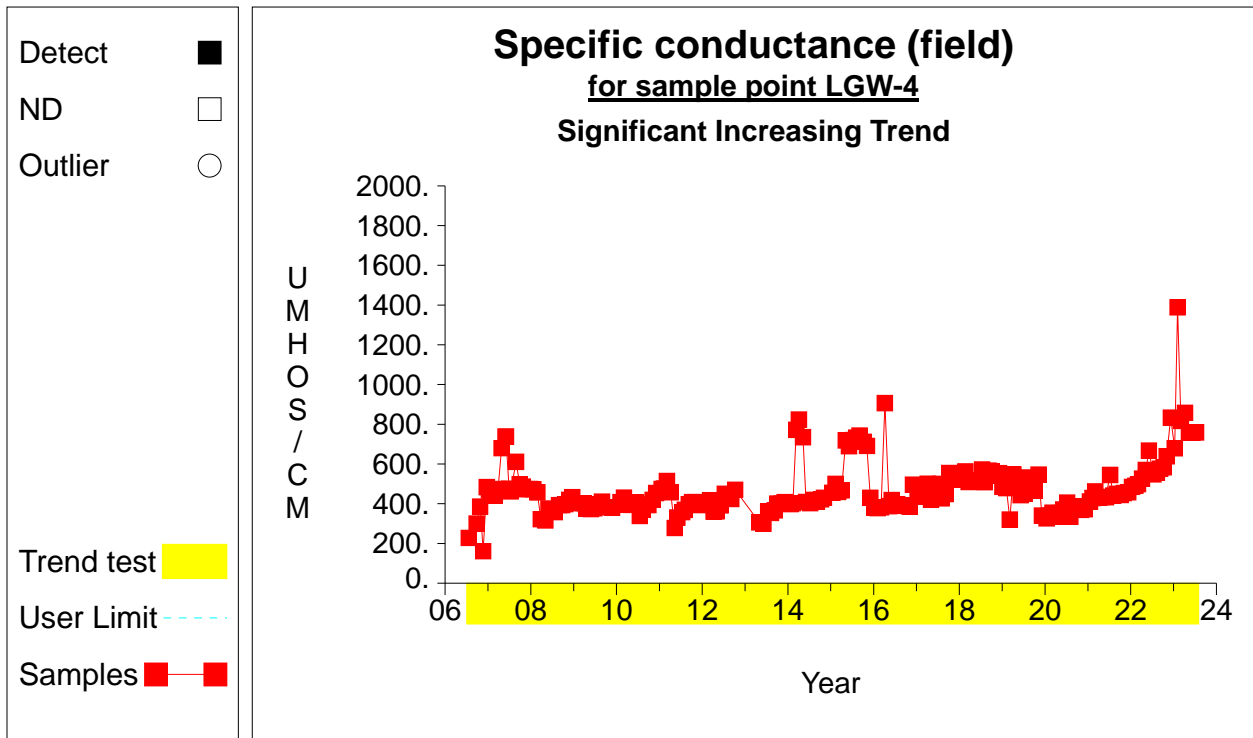
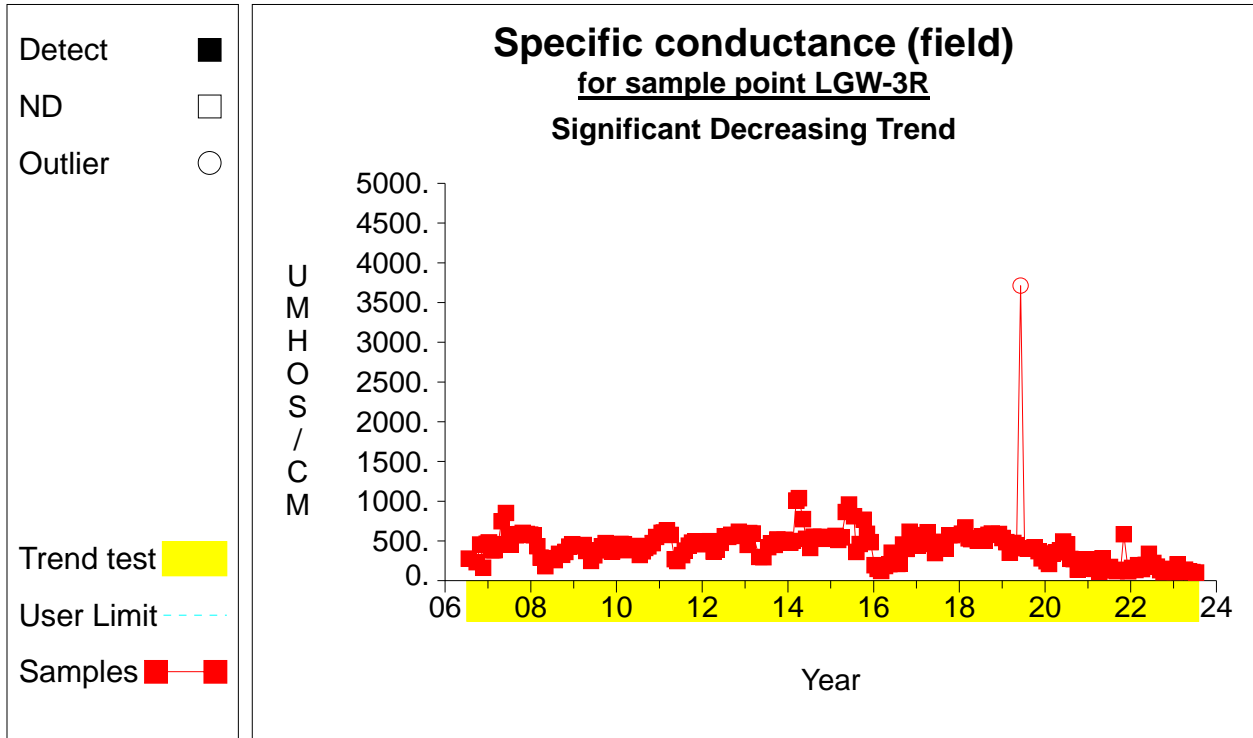
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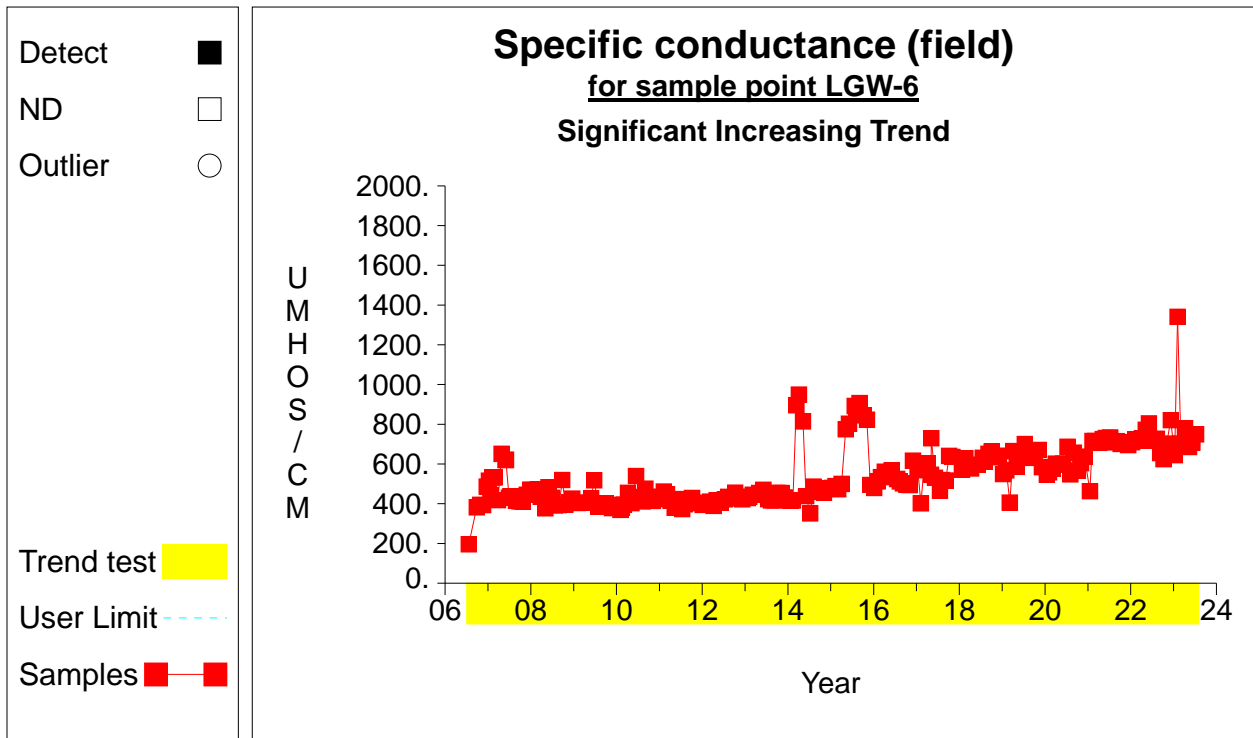
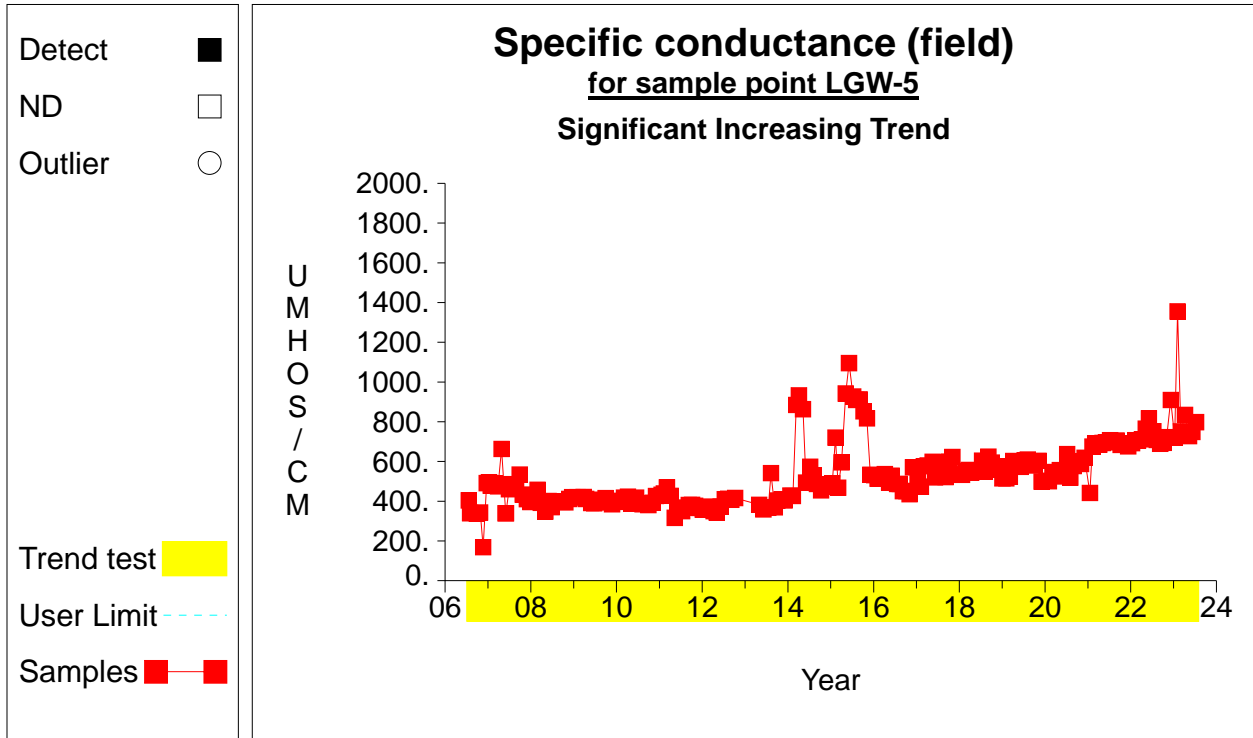
Time Series



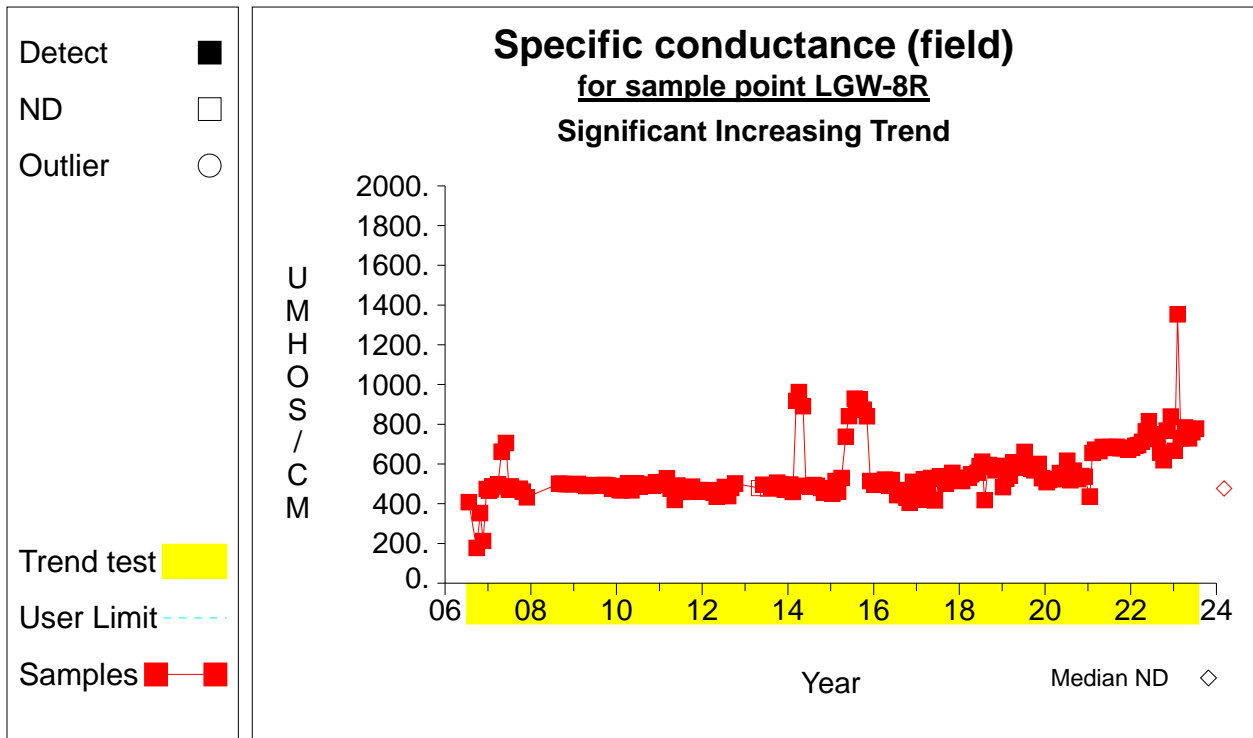
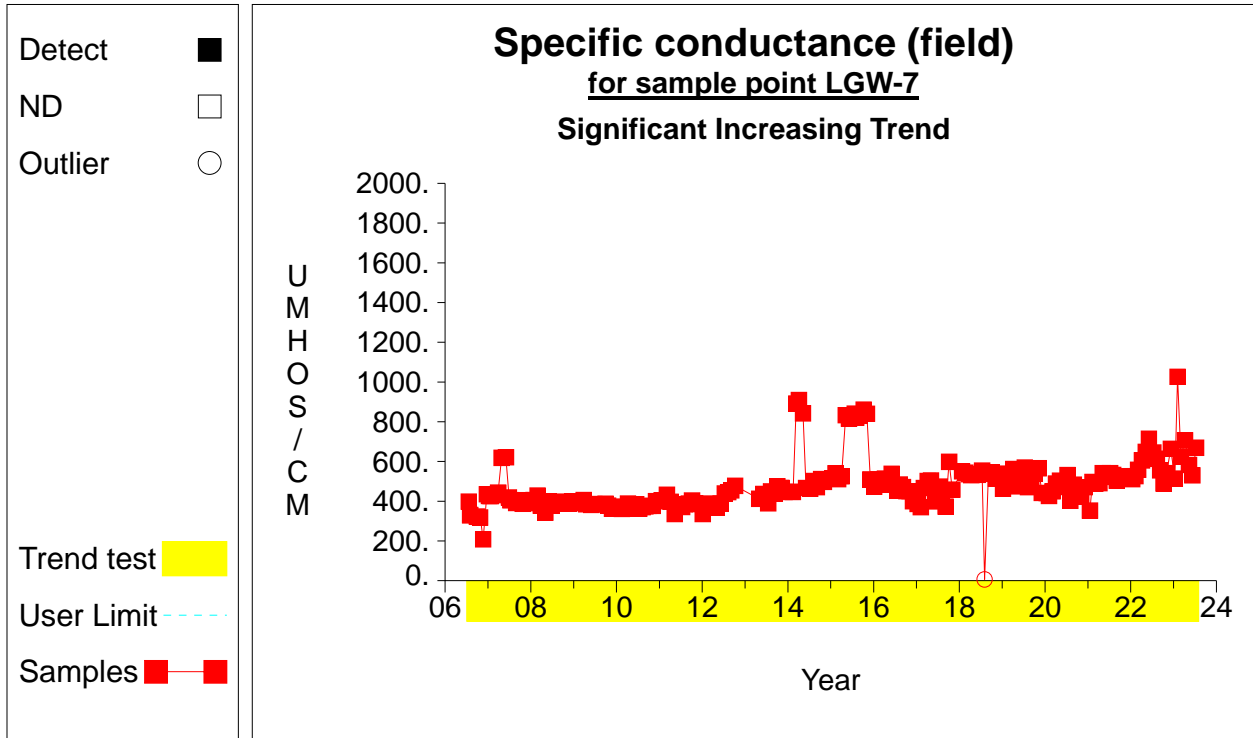
Time Series



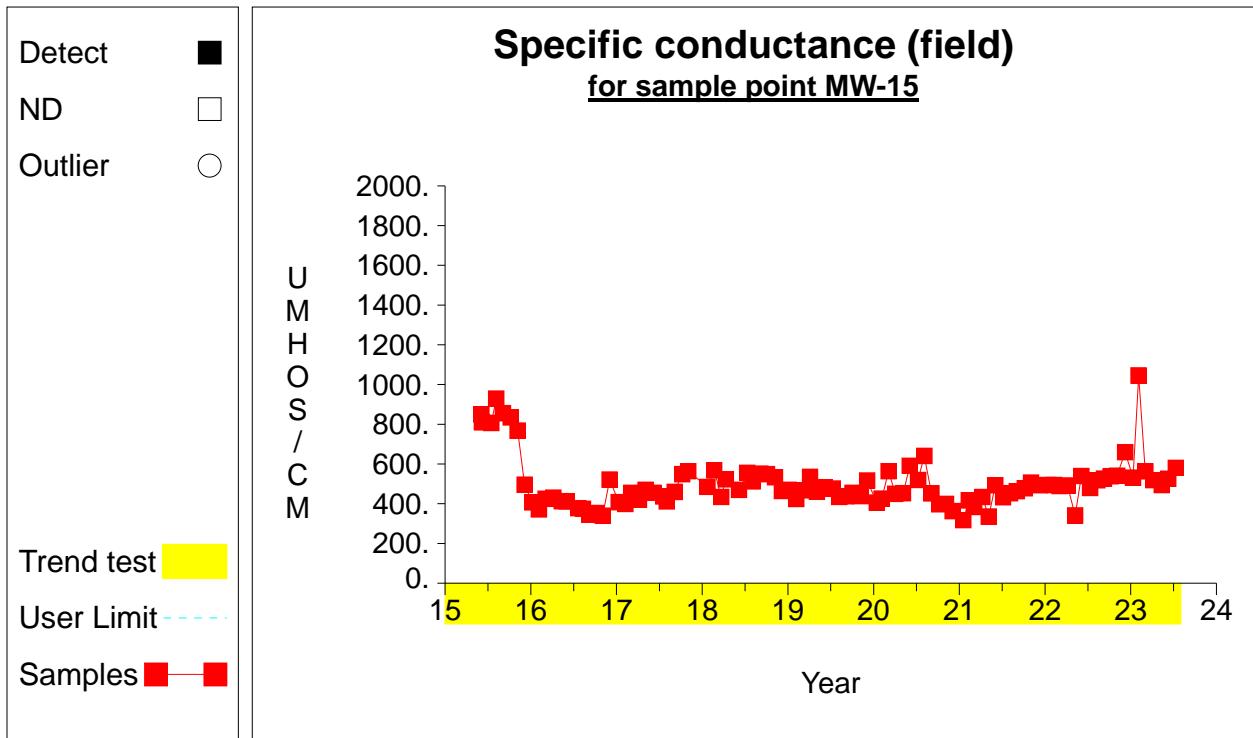
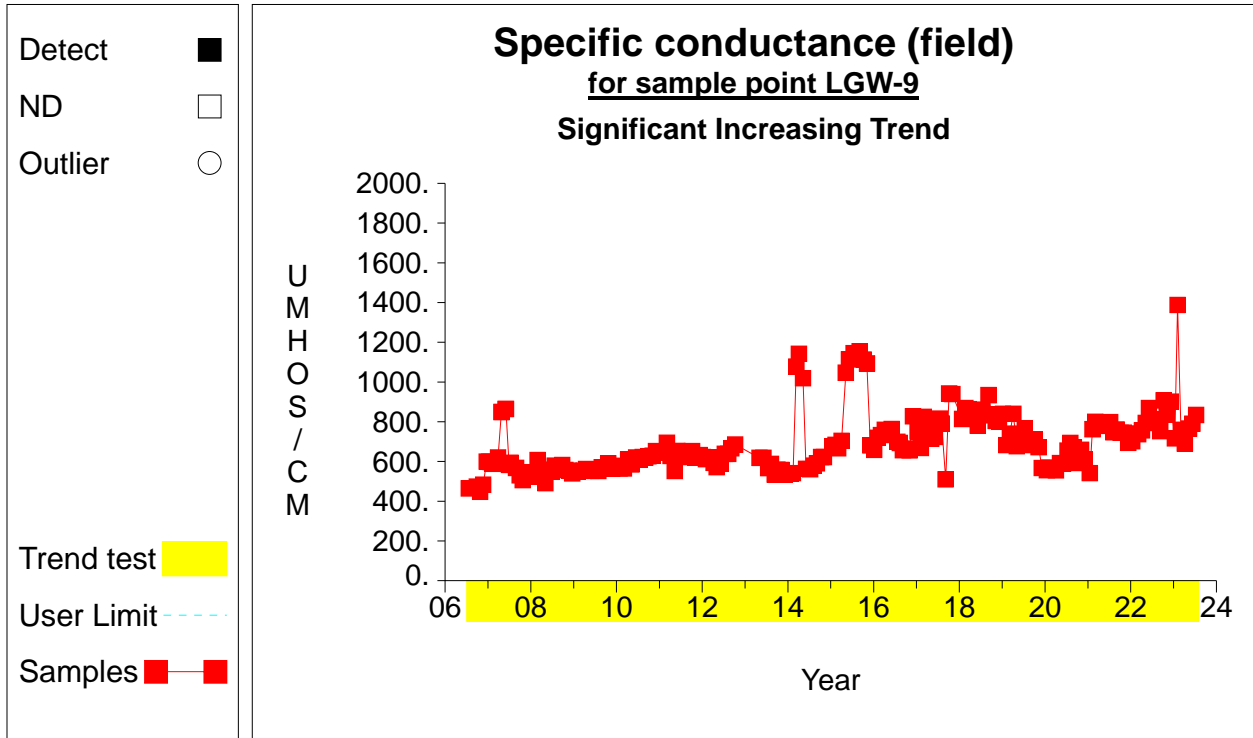
Time Series



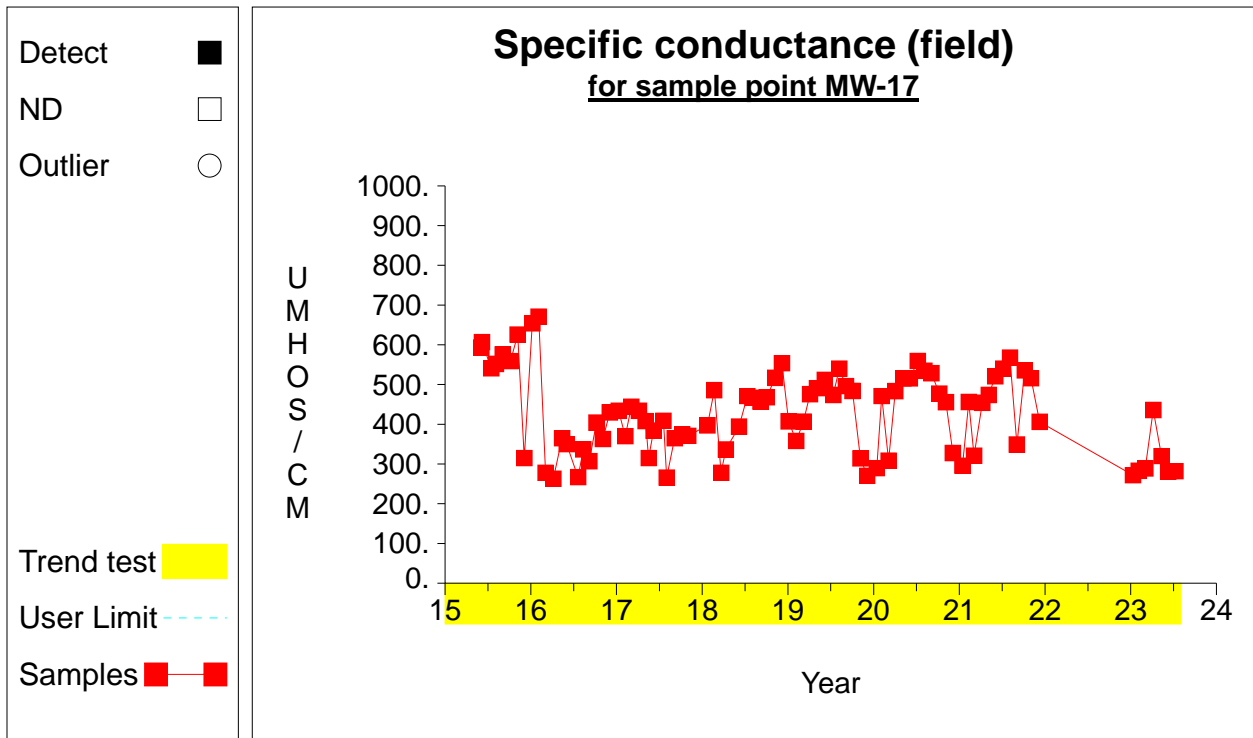
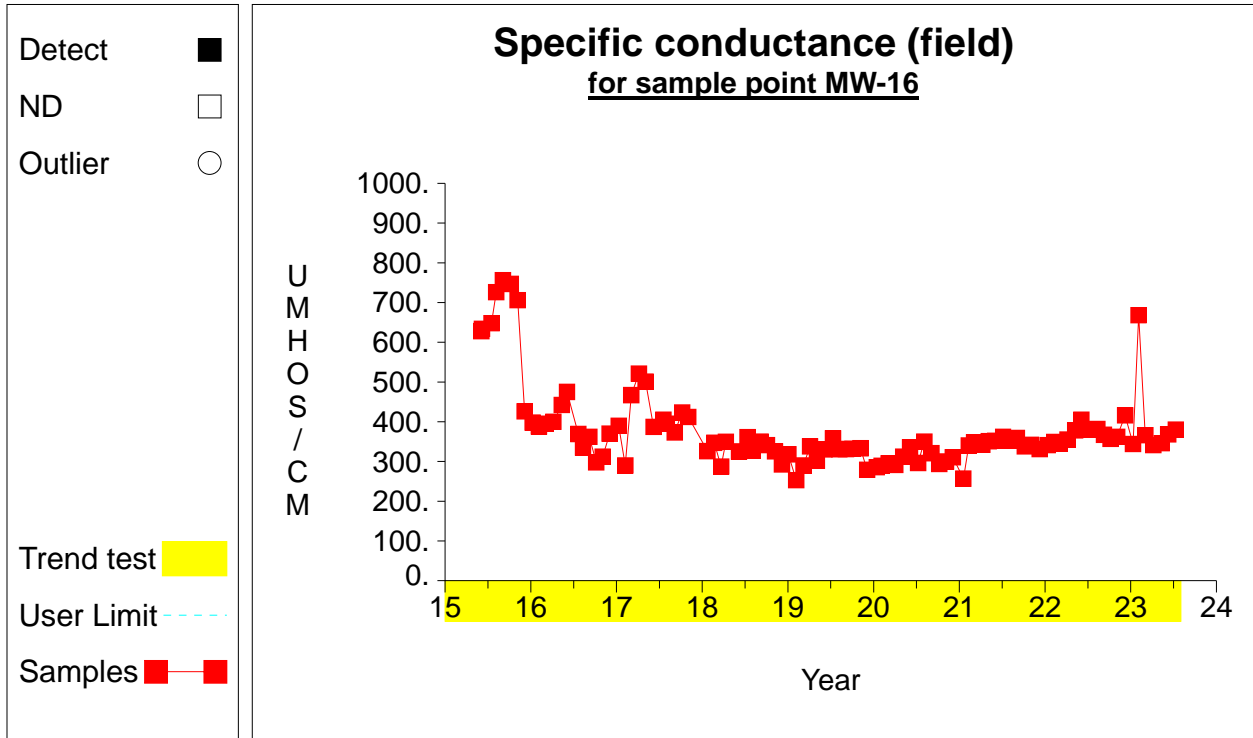
Time Series



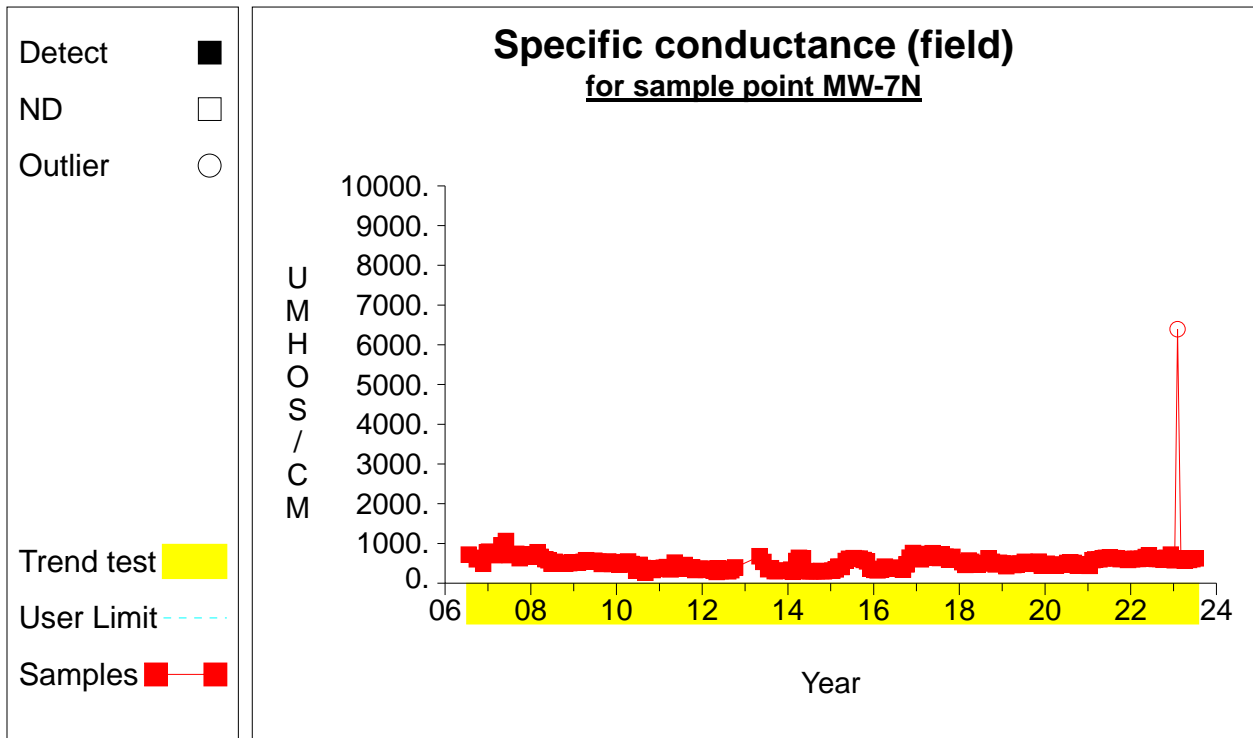
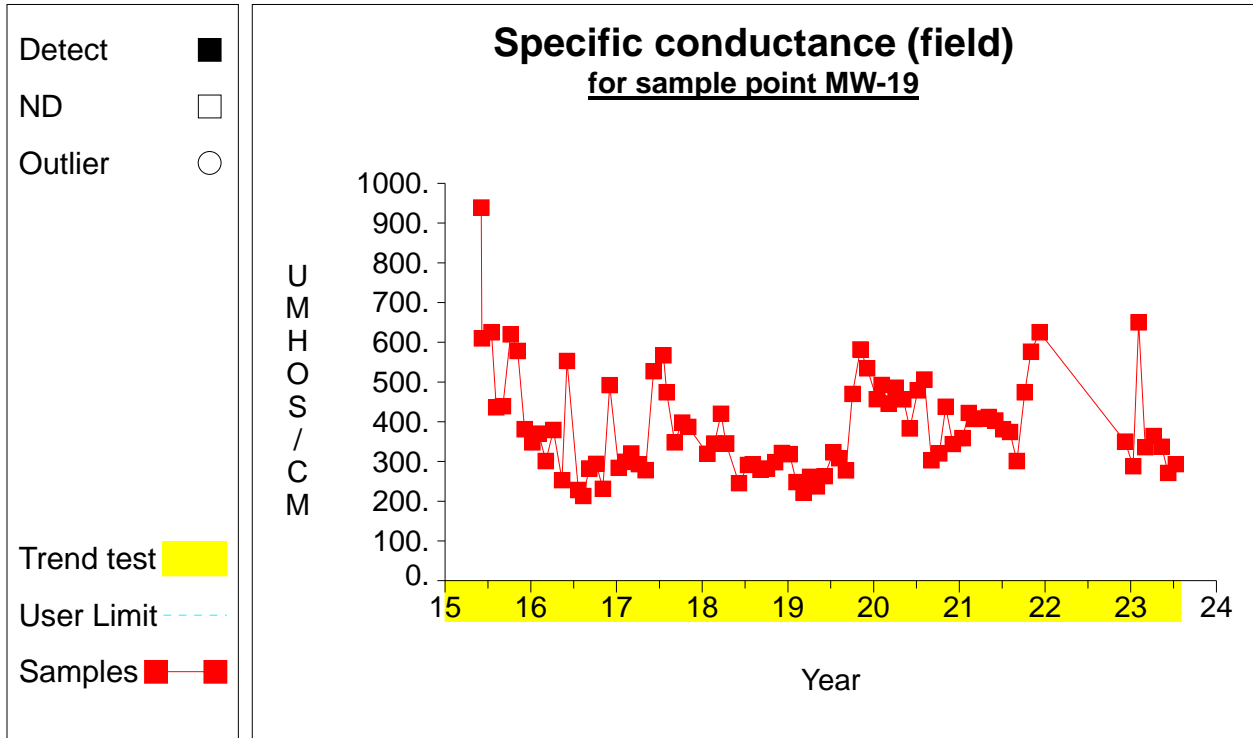
Time Series



Time Series



Time Series



ATTACHMENT D

Chloride Baseline Calculations

Well	Date	Constituent	Results	Units	Mean Concentration	Mean Concentration x 10
LGW-10	8/1/2006	Chloride	13	mg/L		
LGW-10	9/28/2006	Chloride	13	mg/L		
LGW-10	10/26/2006	Chloride	13	mg/L		
LGW-10	11/21/2006	Chloride	13	mg/L		
LGW-10	12/21/2006	Chloride	13	mg/L		
LGW-10	1/25/2007	Chloride	13	mg/L		
LGW-10	2/27/2007	Chloride	14	mg/L		
LGW-10	3/27/2007	Chloride	14	mg/L		
LGW-10	4/26/2007	Chloride	14	mg/L		
LGW-10	5/31/2007	Chloride	15	mg/L		
LGW-10	6/28/2007	Chloride	14	mg/L		
LGW-10	7/12/2007	Chloride	14	mg/L		
LGW-10	8/28/2007	Chloride	15	mg/L		
LGW-10	9/28/2007	Chloride	17	mg/L		
LGW-10	10/23/2007	Chloride	16	mg/L		
LGW-10	11/28/2007	Chloride	16	mg/L		
LGW-10	12/28/2007	Chloride	18	mg/L		
LGW-10	1/23/2008	Chloride	18	mg/L		
LGW-10	2/28/2008	Chloride	18	mg/L		
LGW-10	5/29/2008	Chloride	21	mg/L		

Well	Date	Constituent	Results	Units	Mean Concentration	Mean Concentration x 10
LGW-14R	8/29/2008	Chloride	5.8	mg/L		
LGW-14R	9/26/2008	Chloride	4.1	mg/L		
LGW-14R	11/25/2008	Chloride	3.8	mg/L		
LGW-14R	12/19/2008	Chloride	4.5	mg/L		
LGW-14R	2/6/2009	Chloride	3.9	mg/L		
LGW-14R	3/26/2009	Chloride	3.5	mg/L		
LGW-14R	6/25/2009	Chloride	4	mg/L		
LGW-14R	7/29/2009	Chloride	3.5	mg/L		
LGW-14R	8/28/2009	Chloride	3.3	mg/L		
LGW-14R	10/22/2009	Chloride	3.5	mg/L		
LGW-14R	12/18/2009	Chloride	3.5	mg/L		
LGW-14R	2/3/2010	Chloride	3.5	mg/L		
LGW-14R	2/3/2010	Chloride	3.5	mg/L		
LGW-14R	2/16/2010	Chloride	3.4	mg/L		
LGW-14R	3/3/2010	Chloride	3.7	mg/L		
LGW-14R	4/7/2010	Chloride	3.5	mg/L		
LGW-14R	5/6/2010	Chloride	4	mg/L		
LGW-14R	6/16/2010	Chloride	3.7	mg/L		
LGW-14R	7/12/2010	Chloride	3.5	mg/L		
LGW-14R	8/10/2010	Chloride	3.8	mg/L		
LGW-14R	9/2/2010	Chloride	3.7	mg/L		
LGW-14R	9/29/2010	Chloride	3.7	mg/L		
LGW-14R	11/3/2010	Chloride	3.2	mg/L		
LGW-14R	12/2/2010	Chloride	3.9	mg/L		
LGW-14R	1/19/2011	Chloride	3.7	mg/L		
LGW-14R	2/7/2011	Chloride	3.7	mg/L		
LGW-14R	3/3/2011	Chloride	3.9	mg/L		
LGW-14R	4/5/2011	Chloride	3.8	mg/L		
LGW-14R	5/10/2011	Chloride	3.6	mg/L		
LGW-14R	6/1/2011	Chloride	3.6	mg/L		
LGW-14R	7/12/2011	Chloride	3.9	mg/L		
LGW-14R	8/3/2011	Chloride	3.8	mg/L		
LGW-14R	9/7/2011	Chloride	3.9	mg/L		
LGW-14R	10/5/2011	Chloride	4.1	mg/L		
LGW-14R	11/1/2011	Chloride	3.6	mg/L		
LGW-14R	12/7/2011	Chloride	3.9	mg/L		
LGW-14R	1/5/2012	Chloride	3.8	mg/L		
LGW-14R	2/1/2012	Chloride	3.7	mg/L		
LGW-14R	3/6/2012	Chloride	3.8	mg/L		
LGW-14R	4/5/2012	Chloride	3.9	mg/L		
LGW-14R	5/1/2012	Chloride	4.2	mg/L		
LGW-14R	6/5/2012	Chloride	3.8	mg/L		
LGW-14R	7/9/2012	Chloride	3.8	mg/L		
LGW-14R	8/9/2012	Chloride	3.8	mg/L		

Well	Date	Constituent	Results	Units	Mean Concentration	Mean Concentration x 10
LGW-14R	9/4/2012	Chloride	3.9	mg/L		
LGW-14R	10/7/2012	Chloride	3.9	mg/L		
LGW-14R	11/6/2012	Chloride	4	mg/L		
LGW-14R	11/6/2012	Chloride	4	mg/L		
LGW-14R	12/6/2012	Chloride	4.1	mg/L		
LGW-14R	12/6/2012	Chloride	4.1	mg/L		
LGW-14R	1/23/2013	Chloride	3.5	mg/L		
LGW-14R	1/23/2013	Chloride	3.5	mg/L		
LGW-14R	2/5/2013	Chloride	3.8	mg/L		
LGW-14R	2/5/2013	Chloride	3.8	mg/L		
LGW-14R	3/5/2013	Chloride	3.9	mg/L		
LGW-14R	3/5/2013	Chloride	3.9	mg/L		
LGW-14R	4/30/2013	Chloride	3.8	mg/L		
LGW-14R	6/4/2013	Chloride	3.7	mg/L		
LGW-14R	8/8/2013	Chloride	3.8	mg/L		
LGW-14R	9/10/2013	Chloride	3.9	mg/L		
LGW-14R	10/1/2013	Chloride	3.6	mg/L		
LGW-14R	11/6/2013	Chloride	3.7	mg/L		
LGW-14R	12/2/2013	Chloride	3.9	mg/L		
LGW-14R	1/23/2014	Chloride	3.9	mg/L		
LGW-14R	2/12/2014	Chloride	3.9	mg/L		
LGW-14R	3/11/2014	Chloride	3.8	mg/L		
LGW-14R	4/2/2014	Chloride	3.8	mg/L		
LGW-14R	5/7/2014	Chloride	3.9	mg/L		
LGW-14R	6/3/2014	Chloride	3.8	mg/L		
LGW-14R	7/8/2014	Chloride	3.8	mg/L		
LGW-14R	8/5/2014	Chloride	3.9	mg/L		
LGW-14R	9/4/2014	Chloride	4	mg/L		
LGW-14R	10/9/2014	Chloride	4	mg/L		
LGW-14R	11/3/2014	Chloride	4.1	mg/L		
LGW-14R	1/14/2015	Chloride	4.3	mg/L		
LGW-14R	2/11/2015	Chloride	4	mg/L		
LGW-14R	3/3/2015	Chloride	4.2	mg/L		
LGW-14R	4/1/2015	Chloride	4	mg/L		
LGW-14R	5/6/2015	Chloride	4.6	mg/L		
LGW-14R	6/3/2015	Chloride	4	mg/L		
LGW-14R	7/22/2015	Chloride	3.9	mg/L		
LGW-14R	8/4/2015	Chloride	3.8	mg/L		
LGW-14R	9/3/2015	Chloride	4.1	mg/L		
LGW-14R	10/6/2015	Chloride	4	mg/L		
LGW-14R	11/4/2015	Chloride	4.1	mg/L		
LGW-14R	12/3/2015	Chloride	4.5	mg/L		
LGW-14R	1/5/2016	Chloride	4.4	mg/L		
LGW-14R	2/3/2016	Chloride	4	mg/L	3.9	39

Well	Date	Constituent	Results	Units	Mean Concentration	Mean Concentration x 10
LGW-2	8/1/2006	Chloride	9.1	mg/L		
LGW-2	9/27/2006	Chloride	7.5	mg/L		
LGW-2	10/26/2006	Chloride	7.7	mg/L		
LGW-2	11/21/2006	Chloride	7.7	mg/L		
LGW-2	12/21/2006	Chloride	7.1	mg/L		
LGW-2	1/25/2007	Chloride	7.7	mg/L		
LGW-2	2/27/2007	Chloride	7.9	mg/L		
LGW-2	3/26/2007	Chloride	7.4	mg/L		
LGW-2	4/26/2007	Chloride	6.6	mg/L		
LGW-2	6/1/2007	Chloride	9.5	mg/L		
LGW-2	6/28/2007	Chloride	8.1	mg/L		
LGW-2	7/10/2007	Chloride	8.1	mg/L		
LGW-2	8/28/2007	Chloride	6.6	mg/L		
LGW-2	9/28/2007	Chloride	7.9	mg/L		
LGW-2	10/24/2007	Chloride	8.1	mg/L		
LGW-2	11/28/2007	Chloride	7.9	mg/L		
LGW-2	12/28/2007	Chloride	8	mg/L		
LGW-2	1/26/2008	Chloride	7.7	mg/L		
LGW-2	2/28/2008	Chloride	7.7	mg/L		
LGW-2	3/24/2008	Chloride	7.8	mg/L		
LGW-2	5/3/2008	Chloride	8.1	mg/L	7.8	78
LGW-3R	6/3/2015	Chloride	27	mg/L		
LGW-3R	7/16/2015	Chloride	14	mg/L		
LGW-3R	8/5/2015	Chloride	6.9	mg/L		
LGW-3R	9/3/2015	Chloride	7.3	mg/L		
LGW-3R	10/6/2015	Chloride	13	mg/L		
LGW-3R	11/5/2015	Chloride	15	mg/L		
LGW-3R	12/4/2015	Chloride	8.5	mg/L		
LGW-3R	1/8/2016	Chloride	12	mg/L		
LGW-3R	2/4/2016	Chloride	7.6	mg/L	12.4	124

Well	Date	Constituent	Results	Units	Mean Concentration	Mean Concentration x 10
LGW-4	7/20/2006	Chloride	20	mg/L		
LGW-4	9/26/2006	Chloride	11	mg/L		
LGW-4	10/26/2006	Chloride	19	mg/L		
LGW-4	11/21/2006	Chloride	15	mg/L		
LGW-4	12/21/2006	Chloride	12	mg/L		
LGW-4	1/25/2007	Chloride	8.7	mg/L		
LGW-4	2/27/2007	Chloride	9.9	mg/L		
LGW-4	3/26/2007	Chloride	9.7	mg/L		
LGW-4	4/26/2007	Chloride	13	mg/L		
LGW-4	5/31/2007	Chloride	19	mg/L		
LGW-4	6/28/2007	Chloride	14	mg/L		
LGW-4	7/11/2007	Chloride	10	mg/L		
LGW-4	8/28/2007	Chloride	20	mg/L		
LGW-4	9/28/2007	Chloride	20	mg/L		
LGW-4	10/24/2007	Chloride	19	mg/L		
LGW-4	11/28/2007	Chloride	21	mg/L		
LGW-4	12/27/2007	Chloride	21	mg/L		
LGW-4	1/22/2008	Chloride	22	mg/L		
LGW-4	2/27/2008	Chloride	14	mg/L		
LGW-4	3/25/2008	Chloride	8.9	mg/L		
LGW-4	5/3/2008	Chloride	6.4	mg/L	14.9	149
LGW-5	8/1/2006	Chloride	13	mg/L		
LGW-5	9/27/2006	Chloride	12	mg/L		
LGW-5	10/26/2006	Chloride	12	mg/L		
LGW-5	11/21/2006	Chloride	12	mg/L		
LGW-5	12/21/2006	Chloride	14	mg/L		
LGW-5	1/25/2007	Chloride	13	mg/L		
LGW-5	2/27/2007	Chloride	13	mg/L		
LGW-5	3/26/2007	Chloride	13	mg/L		
LGW-5	4/26/2007	Chloride	13	mg/L		
LGW-5	5/31/2007	Chloride	14	mg/L		
LGW-5	6/28/2007	Chloride	12	mg/L		
LGW-5	7/11/2007	Chloride	13	mg/L		
LGW-5	8/28/2007	Chloride	14	mg/L		
LGW-5	9/28/2007	Chloride	11	mg/L		
LGW-5	10/24/2007	Chloride	14	mg/L		
LGW-5	11/28/2007	Chloride	13	mg/L		
LGW-5	12/27/2007	Chloride	9.1	mg/L		
LGW-5	1/23/2008	Chloride	9.6	mg/L		
LGW-5	2/28/2008	Chloride	13	mg/L		
LGW-5	3/25/2008	Chloride	12	mg/L		
LGW-5	5/3/2008	Chloride	11	mg/L		
LGW-5	5/29/2008	Chloride	11	mg/L	12.4	124

Well	Date	Constituent	Results	Units	Mean Concentration	Mean Concentration x 10
LGW-6	7/20/2006	Chloride	14	mg/L	13.3	133
LGW-6	9/27/2006	Chloride	14	mg/L		
LGW-6	10/26/2006	Chloride	14	mg/L		
LGW-6	11/21/2006	Chloride	15	mg/L		
LGW-6	12/21/2006	Chloride	15	mg/L		
LGW-6	1/24/2007	Chloride	13	mg/L		
LGW-6	2/27/2007	Chloride	15	mg/L		
LGW-6	3/26/2007	Chloride	14	mg/L		
LGW-6	4/26/2007	Chloride	13	mg/L		
LGW-6	5/31/2007	Chloride	13	mg/L		
LGW-6	6/28/2007	Chloride	12	mg/L		
LGW-6	7/11/2007	Chloride	13	mg/L		
LGW-6	8/28/2007	Chloride	12	mg/L		
LGW-6	9/27/2007	Chloride	13	mg/L		
LGW-6	10/23/2007	Chloride	13	mg/L		
LGW-6	11/27/2007	Chloride	12	mg/L		
LGW-6	12/27/2007	Chloride	12	mg/L		
LGW-6	1/23/2008	Chloride	12	mg/L		
LGW-6	2/28/2008	Chloride	13	mg/L		
LGW-6	3/25/2008	Chloride	13	mg/L		
LGW-6	5/3/2008	Chloride	15	mg/L		
LGW-6	5/30/2008	Chloride	12	mg/L		
LGW-7	8/1/2006	Chloride	13	mg/L	11.3	113
LGW-7	9/27/2006	Chloride	11	mg/L		
LGW-7	10/26/2006	Chloride	12	mg/L		
LGW-7	11/21/2006	Chloride	12	mg/L		
LGW-7	12/22/2006	Chloride	12	mg/L		
LGW-7	1/24/2007	Chloride	11	mg/L		
LGW-7	2/27/2007	Chloride	16	mg/L		
LGW-7	3/27/2007	Chloride	12	mg/L		
LGW-7	4/26/2007	Chloride	11	mg/L		
LGW-7	6/1/2007	Chloride	13	mg/L		
LGW-7	6/28/2007	Chloride	11	mg/L		
LGW-7	7/12/2007	Chloride	10	mg/L		
LGW-7	8/29/2007	Chloride	9.2	mg/L		
LGW-7	9/28/2007	Chloride	11	mg/L		
LGW-7	10/24/2007	Chloride	10	mg/L		
LGW-7	11/27/2007	Chloride	10	mg/L		
LGW-7	12/27/2007	Chloride	11	mg/L		
LGW-7	1/25/2008	Chloride	11	mg/L		
LGW-7	2/28/2008	Chloride	10	mg/L		
LGW-7	3/25/2008	Chloride	11	mg/L		
LGW-7	5/3/2008	Chloride	10	mg/L		
LGW-7	5/30/2008	Chloride	11	mg/L		

Well	Date	Constituent	Results	Units	Mean Concentration	Mean Concentration x 10
LGW-9	7/20/2006	Chloride	17	mg/L		
LGW-9	7/20/2006	Chloride	17	mg/L		
LGW-9	9/27/2006	Chloride	16	mg/L		
LGW-9	10/26/2006	Chloride	17	mg/L		
LGW-9	11/21/2006	Chloride	17	mg/L		
LGW-9	12/21/2006	Chloride	17	mg/L		
LGW-9	1/25/2007	Chloride	17	mg/L		
LGW-9	2/27/2007	Chloride	14	mg/L		
LGW-9	3/26/2007	Chloride	17	mg/L		
LGW-9	4/25/2007	Chloride	16	mg/L		
LGW-9	5/31/2007	Chloride	18	mg/L		
LGW-9	6/28/2007	Chloride	17	mg/L		
LGW-9	7/10/2007	Chloride	16	mg/L		
LGW-9	8/28/2007	Chloride	17	mg/L		
LGW-9	9/28/2007	Chloride	18	mg/L		
LGW-9	10/23/2007	Chloride	17	mg/L		
LGW-9	11/28/2007	Chloride	17	mg/L		
LGW-9	12/27/2007	Chloride	17	mg/L		
LGW-9	1/25/2008	Chloride	16	mg/L		
LGW-9	2/28/2008	Chloride	17	mg/L		
LGW-9	3/25/2008	Chloride	18	mg/L		
LGW-9	5/3/2008	Chloride	18	mg/L		
LGW-9	5/29/2008	Chloride	18	mg/L	16.9	169
MW-15	6/2/2015	Chloride	32	mg/L		
MW-15	6/5/2015	Chloride	29	mg/L		
MW-15	7/15/2015	Chloride	3	mg/L		
MW-15	8/5/2015	Chloride	28	mg/L		
MW-15	9/3/2015	Chloride	29	mg/L		
MW-15	10/6/2015	Chloride	24	mg/L		
MW-15	11/5/2015	Chloride	22	mg/L		
MW-15	12/4/2015	Chloride	35	mg/L		
MW-15	1/7/2016	Chloride	45	mg/L		
MW-15	2/4/2016	Chloride	31	mg/L	27.8	278
MW-16	6/2/2015	Chloride	8.4	mg/L		
MW-16	6/5/2015	Chloride	11	mg/L		
MW-16	7/16/2015	Chloride	11	mg/L		
MW-16	8/5/2015	Chloride	9.6	mg/L		
MW-16	9/3/2015	Chloride	13	mg/L		
MW-16	10/6/2015	Chloride	12	mg/L		
MW-16	11/5/2015	Chloride	13	mg/L		
MW-16	12/4/2015	Chloride	12	mg/L		
MW-16	1/8/2016	Chloride	8.2	mg/L		
MW-16	2/4/2016	Chloride	9.9	mg/L	10.8	108

Well	Date	Constituent	Results	Units	Mean Concentration	Mean Concentration x 10
MW-17	6/2/2015	Chloride	25	mg/L	20.5	205
MW-17	6/5/2015	Chloride	25	mg/L		
MW-17	7/15/2015	Chloride	23	mg/L		
MW-17	8/4/2015	Chloride	25	mg/L		
MW-17	9/2/2015	Chloride	25	mg/L		
MW-17	10/5/2015	Chloride	18	mg/L		
MW-17	11/5/2015	Chloride	23	mg/L		
MW-17	12/3/2015	Chloride	24	mg/L		
MW-17	1/7/2016	Chloride	6.5	mg/L		
MW-17	2/3/2016	Chloride	10	mg/L		
MW-19	6/2/2015	Chloride	15	mg/L	9.2	92
MW-19	6/5/2015	Chloride	13	mg/L		
MW-19	7/16/2015	Chloride	14	mg/L		
MW-19	8/5/2015	Chloride	6.3	mg/L		
MW-19	9/3/2015	Chloride	8.4	mg/L		
MW-19	10/6/2015	Chloride	5	mg/L		
MW-19	11/5/2015	Chloride	5.5	mg/L		
MW-19	12/4/2015	Chloride	6	mg/L		
MW-19	1/7/2016	Chloride	8.6	mg/L		
MW-19	2/3/2016	Chloride	9.8	mg/L		
MW-7N	7/19/2006	Chloride	9.6	mg/L	9.3	93
MW-7N	9/28/2006	Chloride	8.6	mg/L		
MW-7N	10/24/2006	Chloride	9.2	mg/L		
MW-7N	11/21/2006	Chloride	9.1	mg/L		
MW-7N	12/21/2006	Chloride	9.2	mg/L		
MW-7N	1/26/2007	Chloride	9.3	mg/L		
MW-7N	2/27/2007	Chloride	9.2	mg/L		
MW-7N	3/27/2007	Chloride	8.5	mg/L		
MW-7N	4/25/2007	Chloride	8.3	mg/L		
MW-7N	6/1/2007	Chloride	9.3	mg/L		
MW-7N	6/28/2007	Chloride	8.4	mg/L		
MW-7N	7/10/2007	Chloride	8.8	mg/L		
MW-7N	8/29/2007	Chloride	9.6	mg/L		
MW-7N	9/28/2007	Chloride	10	mg/L		
MW-7N	10/24/2007	Chloride	9.8	mg/L		
MW-7N	11/27/2007	Chloride	9.8	mg/L		
MW-7N	12/27/2007	Chloride	10	mg/L		
MW-7N	1/25/2008	Chloride	9.5	mg/L		
MW-7N	2/28/2008	Chloride	10	mg/L		
MW-7N	3/24/2008	Chloride	10	mg/L		
MW-7N	5/3/2008	Chloride	9.4	mg/L		
MW-7N	5/29/2008	Chloride	9.9	mg/L		

Well	Date	Constituent	Results	Units	Mean Concentration	Mean Concentration x 10
LGW-8R	8/29/2008	Chloride	13	mg/L		
LGW-8R	9/25/2008	Chloride	12	mg/L		
LGW-8R	10/21/2008	Chloride	13	mg/L		
LGW-8R	11/25/2008	Chloride	12	mg/L		
LGW-8R	12/19/2008	Chloride	13	mg/L		
LGW-8R	2/4/2009	Chloride	12	mg/L		
LGW-8R	3/26/2009	Chloride	11	mg/L		
LGW-8R	4/16/2009	Chloride	12	mg/L		
LGW-8R	5/28/2009	Chloride	12	mg/L		
LGW-8R	6/25/2009	Chloride	12	mg/L		
LGW-8R	7/29/2009	Chloride	12	mg/L		
LGW-8R	8/28/2009	Chloride	12	mg/L		
LGW-8R	9/29/2009	Chloride	12	mg/L		
LGW-8R	10/21/2009	Chloride	12	mg/L		
LGW-8R	11/24/2009	Chloride	12	mg/L		
LGW-8R	12/17/2009	Chloride	12	mg/L		
LGW-8R	1/27/2010	Chloride	12	mg/L		
LGW-8R	2/15/2010	Chloride	12	mg/L		
LGW-8R	3/3/2010	Chloride	12	mg/L		
LGW-8R	4/7/2010	Chloride	12	mg/L		
LGW-8R	5/5/2010	Chloride	12	mg/L		
LGW-8R	6/16/2010	Chloride	11	mg/L		
LGW-8R	7/14/2010	Chloride	12	mg/L		
LGW-8R	8/10/2010	Chloride	12	mg/L		
LGW-8R	9/2/2010	Chloride	12	mg/L		
LGW-8R	9/29/2010	Chloride	12	mg/L		
LGW-8R	11/3/2010	Chloride	10	mg/L		
LGW-8R	12/2/2010	Chloride	12	mg/L		
LGW-8R	1/20/2011	Chloride	12	mg/L		
LGW-8R	2/7/2011	Chloride	12	mg/L		
LGW-8R	3/3/2011	Chloride	12	mg/L		
LGW-8R	4/5/2011	Chloride	12	mg/L		
LGW-8R	5/10/2011	Chloride	12	mg/L		
LGW-8R	6/1/2011	Chloride	12	mg/L		
LGW-8R	7/12/2011	Chloride	12	mg/L		
LGW-8R	8/3/2011	Chloride	12	mg/L		
LGW-8R	9/7/2011	Chloride	12	mg/L		
LGW-8R	10/5/2011	Chloride	13	mg/L		
LGW-8R	11/1/2011	Chloride	11	mg/L		
LGW-8R	12/8/2011	Chloride	11	mg/L		
LGW-8R	1/5/2012	Chloride	12	mg/L		
LGW-8R	2/1/2012	Chloride	12	mg/L		
LGW-8R	3/7/2012	Chloride	12	mg/L		
LGW-8R	4/5/2012	Chloride	12	mg/L		

Well	Date	Constituent	Results	Units	Mean Concentration	Mean Concentration x 10
LGW-8R	5/1/2012	Chloride	12	mg/L		
LGW-8R	6/5/2012	Chloride	12	mg/L		
LGW-8R	7/9/2012	Chloride	12	mg/L		
LGW-8R	8/9/2012	Chloride	12	mg/L		
LGW-8R	9/4/2012	Chloride	12	mg/L		
LGW-8R	10/7/2012	Chloride	12	mg/L		
LGW-8R	4/30/2013	Chloride	12	mg/L		
LGW-8R	6/4/2013	Chloride	12	mg/L		
LGW-8R	7/15/2013	Chloride	12	mg/L		
LGW-8R	8/8/2013	Chloride	12	mg/L		
LGW-8R	9/10/2013	Chloride	12	mg/L		
LGW-8R	10/1/2013	Chloride	12	mg/L		
LGW-8R	11/6/2013	Chloride	12	mg/L		
LGW-8R	12/2/2013	Chloride	12	mg/L		
LGW-8R	1/22/2014	Chloride	13	mg/L		
LGW-8R	2/12/2014	Chloride	12	mg/L		
LGW-8R	3/11/2014	Chloride	12	mg/L		
LGW-8R	4/2/2014	Chloride	13	mg/L		
LGW-8R	5/7/2014	Chloride	12	mg/L		
LGW-8R	6/3/2014	Chloride	13	mg/L		
LGW-8R	7/8/2014	Chloride	12	mg/L		
LGW-8R	8/5/2014	Chloride	13	mg/L		
LGW-8R	9/4/2014	Chloride	12	mg/L		
LGW-8R	10/9/2014	Chloride	12	mg/L		
LGW-8R	11/3/2014	Chloride	13	mg/L		
LGW-8R	1/14/2015	Chloride	13	mg/L		
LGW-8R	2/11/2015	Chloride	13	mg/L		
LGW-8R	3/3/2015	Chloride	13	mg/L		
LGW-8R	4/1/2015	Chloride	13	mg/L		
LGW-8R	5/6/2015	Chloride	14	mg/L		
LGW-8R	6/3/2015	Chloride	12	mg/L		
LGW-8R	7/22/2015	Chloride	12	mg/L		
LGW-8R	8/4/2015	Chloride	12	mg/L		
LGW-8R	9/3/2015	Chloride	11	mg/L		
LGW-8R	10/6/2015	Chloride	11	mg/L		
LGW-8R	11/4/2015	Chloride	13	mg/L		
LGW-8R	12/3/2015	Chloride	14	mg/L		
LGW-8R	1/5/2016	Chloride	14	mg/L		
LGW-8R	2/3/2016	Chloride	13	mg/L	12.2	122

ATTACHMENT E

**Leachate Collection System and Leak Detection System
Daily Volume and Rate Data**

		CELL 1 LCS			CELL 1 LDS				150	60		
Date	Day of Week	Liquid Level (inches)	Flow meter reading (gallons)	Gallons Removed	Sump Liquid Level (inches)	Flow meter reading (gallons)	Tank Liquid Level (inches) 90" Max.	LDS Daily Pump (gal)	LDS Flow Rate Avg. (gal/acre)	LDS Flow Rate 3 Day Avg. (gal/acre/day)	LDS Flow Rate 14-Day Avg. (gal/acre/day)	Comments
7/1/23	Sat	26.6	729895	0	25.9	171,069	17.7	0	0.00			
7/2/23	Sun	26.6	729895	0	25.9	171,069	17.7	0	0.00	0.00		
7/3/23	Mon	28	729895	588	26.0	171,069	17.7	0	0.00			
7/4/23	Tue	22.1	730483	1,108	26.0	171,069	17.7	0	0.00			
7/5/23	Wed	23.5	731591	0	25.8	171,069	17.7	0	0.00	0.00		
7/6/23	Thu	23.5	731591	8	25.8	171,069	17.7	0	0.00		0.00	
7/7/23	Fri	23.4	731599	0	25.7	171,069	17.7	0	0.00			
7/8/23	Sat	23.4	731599	0	25.7	171,069	17.7	0	0.00	0.00		
7/9/23	Sun	23.4	731599	0	25.7	171,069	17.7	0	0.00			
7/10/23	Mon	23.8	731599	0	25.9	171,069	17.7	0	0.00			
7/11/23	Tue	23.8	731599	0	26.0	171,069	17.7	0	0.00	0.00		
7/12/23	Wed	23.9	731599	0	26.3	171,069	17.7	0	0.00			
7/13/23	Thu	24.1	731599	0	26.3	171,069	17.7	0	0.00			
7/14/23	Fri	24.3	731599	0	26.4	171,069	17.7	0	0.00	0.00		
7/15/23	Sat	24.3	731599	0	26.4	171,069	17.7	0	0.00			
7/16/23	Sun	24.3	731599	0	26.4	171,069	17.7	0	0.00			
7/17/23	Mon	24.7	731599	1,620	26.6	171,069	17.7	0	0.00	0.00		
7/18/23	Tue	18.3	733219	0	26.7	171,069	17.7	0	0.00			
7/19/23	Wed	18.6	733219	0	27.1	171,069	17.7	0	0.00			
7/20/23	Thu	18.7	733219	0	27.2	171,069	17.7	0	0.00	0.00	0.00	
7/21/23	Fri	18.7	733219	0	27.5	171,069	17.7	0	0.00			
7/22/23	Sat	18.7	733219	0	27.5	171,069	17.7	0	0.00			
7/23/23	Sun	18.7	733219	0	27.5	171,069	17.7	0	0.00	0.00		
7/24/23	Mon	19.9	733219	0	28.0	171,069	17.7	0	0.00			
7/25/23	Tue	20.4	733219	0	28.1	171,069	17.7	0	0.00			
7/26/23	Wed	21.1	733219	0	28.1	171,069	17.7	0	0.00	0.00		
7/27/23	Thu	22.4	733219	0	28.4	171,069	17.7	0	0.00			
7/28/23	Fri	23.3	733219	0	28.5	171,069	17.7	0	0.00			
7/29/23	Sat	23.3	733219	0	28.5	171,069	17.7	0	0.00	0.00		
7/30/23	Sun	23.3	733219	0	28.5	171,069	17.7	0	0.00			
7/31/23	Mon	24.7	733219	0	29.2	171,069	17.7	237	0.00			

		CELL 2 LCS			CELL 2 LDS				150	60			
Date	Day of Week	Liquid Level (inches)	Flow meter reading (gallons)	Gallons Removed	Sump Liquid Level (inches)	Flow meter reading (gallons)	Tank Liquid Level (inches)	LDS Daily Pump (gal)	LDS Flow Rate Avg. (gal/acre)	LDS Flow Rate 3-Day Avg. (gal/acre/day)	LDS Flow Rate 14-Day Avg. (gal/acre/day)	Comments	
7/1/23	Sat	22.3	25357	0	25.1	11,150	20.9	0	0.00	0.00			
7/2/23	Sun	22.3	25357	0	25.1	11,150	20.9	0	0.00				
7/3/23	Mon	22.3	25357	0	24.9	11,150	20.9	0	0.00				
7/4/23	Tue	22.4	25357	0	24.9	11,150	20.9	0	0.00	0.00			
7/5/23	Wed	22.5	25357	0	24.8	11,150	20.9	0	0.00				
7/6/23	Thu	22.4	25357	0	24.7	11,150	20.9	0	0.00				
7/7/23	Fri	22.5	25357	0	24.7	11,150	20.9	0	0.00	0.00			
7/8/23	Sat	22.5	25357	0	24.7	11,150	20.9	0	0.00				
7/9/23	Sun	22.5	25357	0	24.7	11,150	20.9	0	0.00				
7/10/23	Mon	22.2	25357	0	24.9	11,150	20.9	0	0.00	0.00	0.00		
7/11/23	Tue	22.1	25357	0	25.0	11,150	20.9	0	0.00				
7/12/23	Wed	22.1	25357	0	25.1	11,150	20.9	0	0.00				
7/13/23	Thu	22	25357	731	25.0	11,150	20.9	0	0.00	0.00			
7/14/23	Fri	16.2	26088	0	25.0	11,150	20.9	0	0.00				
7/15/23	Sat	16.2	26088	0	25.0	11,150	20.9	0	0.00				
7/16/23	Sun	16.2	26088	0	25.0	11,150	20.9	0	0.00	0.00			
7/17/23	Mon	16.6	26088	0	25.4	11,150	20.9	0	0.00				
7/18/23	Tue	16.9	26088	0	25.4	11,150	20.9	0	0.00				
7/19/23	Wed	17.3	26088	0	25.4	11,150	20.9	0	0.00	0.00			
7/20/23	Thu	17.6	26088	0	25.6	11,150	20.9	0	0.00				
7/21/23	Fri	17.7	26088	0	25.6	11,150	20.9	0	0.00				
7/22/23	Sat	17.7	26088	0	25.6	11,150	20.9	0	0.00	0.00			
7/23/23	Sun	17.7	26088	0	25.6	11,150	20.9	0	0.00				
7/24/23	Mon	18.3	26088	0	25.7	11,150	20.9	0	0.00		0.00		
7/25/23	Tue	18.5	26088	0	25.7	11,150	20.9	0	0.00	0.00			
7/26/23	Wed	18.6	26088	0	25.9	11,150	20.9	0	0.00				
7/27/23	Thu	18.9	26088	0	25.9	11,150	20.9	0	0.00				
7/28/23	Fri	18.9	26088	0	25.9	11,150	20.9	0	0.00	0.00			
7/29/23	Sat	18.9	26088	0	25.9	11,150	20.9	0	0.00				
7/30/23	Sun	18.9	26088	0	25.9	11,150	20.9	0	0.00				
7/31/23	Mon	19.5	26088	0	26.2	11,150	20.9	0	0.00	0.00			

		CELL 3 LCS			CELL 3 LDS				150	60		
Date	Day of Week	Liquid Level (inches)	Flow meter reading (gallons)	Gallons Removed	Sump Liquid Level (inches)	Flow meter reading (gallons)	Tank Liquid Level (inches)	LDS Daily Pump (gal)	LDS Flow Rate Avg. (gal/acre)	LDS Flow Rate 3-Day Avg. (gal/acre/day)	LDS Flow Rate 14-Day Avg. (gal/acre/day)	Comments
7/1/23	Sat	17.2	62910	0	26.7	39	33.7	0	0.00			
7/2/23	Sun	17.2	62910	0	26.7	39	33.7	0	0.00			
7/3/23	Mon	20.2	62910	0	27.0	39	33.7	0	0.00	0.00		
7/4/23	Tue	21.6	62910	0	27.1	39	33.7	0	0.00			
7/5/23	Wed	22.5	62910	0	27.0	39	33.7	0	0.00			
7/6/23	Thu	23.2	62910	0	27.1	39	33.7	0	0.00	0.00		
7/7/23	Fri	24.4	62910	3,209	27.1	39	33.7	0	0.00			
7/8/23	Sat	24.4	66119	3,209	27.1	39	33.7	0	0.00			
7/9/23	Sun	24.4	69328	3,211	27.1	39	33.7	0	0.00	0.00		
7/10/23	Mon	17.9	72539	0	27.3	39	33.7	0	0.00			
7/11/23	Tue	18	72539	0	27.3	39	33.7	0	0.00			
7/12/23	Wed	18.2	72539	0	27.5	39	33.7	0	0.00	0.00		
7/13/23	Thu	18.2	72539	0	27.4	39	33.7	0	0.00		0.00	
7/14/23	Fri	18.4	72539	0	27.4	39	33.7	0	0.00			
7/15/23	Sat	18.4	72539	0	27.4	39	33.7	0	0.00	0.00		
7/16/23	Sun	18.4	72539	0	27.4	39	33.7	0	0.00			
7/17/23	Mon	18.9	72539	0	27.7	39	33.7	0	0.00			
7/18/23	Tue	20.2	72539	0	27.8	39	33.7	0	0.00	0.00		
7/19/23	Wed	25.4	72539	2,011	27.8	39	33.7	0	0.00			
7/20/23	Thu	21.3	74550	3,594	27.9	39	33.7	0	0.00			
7/21/23	Fri	22.9	78144	674	27.8	39	33.7	0	0.00	0.00		
7/22/23	Sat	22.9	78818	674	27.8	39	33.7	0	0.00			
7/23/23	Sun	22.9	79492	675	27.8	39	33.7	0	0.00			
7/24/23	Mon	27.2	80167	0	28.1	39	33.7	0	0.00	0.00		
7/25/23	Tue	27.6	80167	0	28.1	39	33.7	0	0.00			
7/26/23	Wed	27.9	80167	0	28.1	39	33.7	0	0.00			
7/27/23	Thu	28.2	80167	0	28.3	39	33.7	0	0.00	0.00	0.00	
7/28/23	Fri	28.5	80167	1,822	28.4	39	33.7	0	0.00			
7/29/23	Sat	28.5	81989	1,822	28.4	39	33.7	0	0.00			
7/30/23	Sun	28.5	83811	1,822	28.4	39	33.7	0	0.00	0.00		
7/31/23	Mon	22.8	85633	0	28.7	39	33.7	0	0.00			

		CELL 4 LCS			CELL 4 LDS			150		60		
Date	Day of Week	Liquid Level (inches)	Flow meter reading (gallons)	Gallons Removed	Sump Liquid Level (inches)	Flow meter reading (gallons)	Tank Liquid Level (inches)	LDS Daily Pump (gal)	LDS Flow Rate Avg. (gal/acre)	LDS Flow Rate 3-Day Avg. (gal/acre/day)	LDS Flow Rate 14-Day Avg. (gal/acre/day)	Comments
7/1/23	Sat	17.5	857197	1,344	26.1	7,367	15.4	0	0.00	0.00		
7/2/23	Sun	17.5	858541	1,344	26.1	7,367	15.4	0	0.00			
7/3/23	Mon	17.4	859885	1,364	26.4	7,367	15.4	0	0.00			
7/4/23	Tue	18	861249	1,152	26.4	7,367	15.4	0	0.00	0.00		
7/5/23	Wed	18.2	862401	1,099	26.6	7,367	15.4	0	0.00		0.00	
7/6/23	Thu	17.7	863500	1,441	26.7	7,367	15.4	0	0.00			
7/7/23	Fri	17.9	864941	1,243	26.6	7,367	15.4	0	0.00	0.00		
7/8/23	Sat	17.9	866184	1,243	26.6	7,367	15.4	0	0.00			
7/9/23	Sun	17.9	867427	1,243	26.6	7,367	15.4	0	0.00			
7/10/23	Mon	18	868670	1,244	27.2	7,367	15.4	0	0.00	0.00		
7/11/23	Tue	18.2	869914	1,296	27.5	7,367	15.4	0	0.00			
7/12/23	Wed	18	871210	1,342	27.6	7,367	15.4	0	0.00			
7/13/23	Thu	17.5	872552	1,371	27.8	7,367	15.4	2	0.26	0.09		
7/14/23	Fri	18.3	873923	1,837	28.0	7,369	15.4	0	0.00			
7/15/23	Sat	18.3	875760	1,837	28.0	7,369	15.4	0	0.00			
7/16/23	Sun	18.3	877597	1,839	28.0	7,369	15.4	0	0.00	0.00		
7/17/23	Mon	13.3	879436	2,386	28.2	7,369	15.4	0	0.00			
7/18/23	Tue	18	881822	1,975	28.3	7,369	15.4	0	0.00			
7/19/23	Wed	17.6	883797	1,091	28.5	7,369	15.4	0	0.00	0.00	0.02	
7/20/23	Thu	17.8	884888	1,072	28.6	7,369	15.4	0	0.00			
7/21/23	Fri	17.5	885960	2,482	28.6	7,369	15.4	0	0.00			
7/22/23	Sat	17.5	888442	2,482	28.6	7,369	15.4	0	0.00	0.00		
7/23/23	Sun	17.5	890924	2,482	28.6	7,369	15.4	0	0.00			
7/24/23	Mon	18	893406	1,815	29.0	7,369	15.4	0	0.00			
7/25/23	Tue	18.1	895221	1,775	29.2	7,369	15.4	0	0.00	0.00		
7/26/23	Wed	17.7	896996	1,589	29.2	7,369	15.4	0	0.00			
7/27/23	Thu	17.7	898585	1,612	29.2	7,369	15.4	0	0.00			
7/28/23	Fri	17.9	900197	1,527	29.3	7,369	15.4	0	0.00	0.00		
7/29/23	Sat	17.9	901724	1,527	29.3	7,369	15.4	0	0.00			
7/30/23	Sun	17.9	903251	1,527	29.3	7,369	15.4	0	0.00			
7/31/23	Mon	18.2	904778	1,677	29.5	7,369	15.4	0	0.00	0.00		

		CELL 5 LCS			CELL 5 LDS					150	60	
Date	Day of Week	Liquid Level (inches)	Flow meter reading (gallons)	Gallons Removed	Sump Liquid Level (inches)	Flow meter reading (gallons)	Tank Liquid Level (inches)	LDS Daily Pump (gal)	LDS Flow Rate Avg. (gal/acre)	LDS Flow Rate 3-Day Avg. (gal/acre/day)	LDS Flow Rate 14-Day Avg. (gal/acre/day)	Comments
7/1/2023	Sat	25.1	3797447	10507	17.5	8273	26	0	0.00			
7/2/2023	Sun	25.1	3807954	10508	17.5	8273	26	0	0.00	0.00		
7/3/2023	Mon	27.9	3818462	9314	17.7	8273	26	0	0.00			
7/4/2023	Tue	28	3827776	7945	17.8	8273	26	0	0.00			
7/5/2023	Wed	26.8	3835721	7387	17.9	8273	26	0	0.00	0.00		
7/6/2023	Thu	27.2	3843108	8310	17.8	8273	26	0	0.00			
7/7/2023	Fri	29.5	3851418	8179	17.8	8273	26	0	0.00			
7/8/2023	Sat	29.5	3859597	8179	17.8	8273	26	0	0.00	0.00		
7/9/2023	Sun	29.5	3867776	8181	17.8	8273	26	0	0.00			
7/10/2023	Mon	29.7	3875957	4047	18	8273	26	0	0.00		0.00	
7/11/2023	Tue	25.5	3880004	8340	18.1	8273	26	0	0.00	0.00		
7/12/2023	Wed	27.7	3888344	8657	18	8273	26	0	0.00			
7/13/2023	Thu	28.3	3897001	8446	18	8273	26	0	0.00			
7/14/2023	Fri	30.2	3905447	11967	17.9	8273	26	0	0.00	0.00		
7/15/2023	Sat	30.2	3917414	11967	17.9	8273	26	0	0.00			
7/16/2023	Sun	30.2	3929381	11968	17.9	8273	26	0	0.00			
7/17/2023	Mon	31.2	3941349	10962	17.8	8273	26	0	0.00	0.00		
7/18/2023	Tue	30.3	3952311	12955	17.8	8273	26	0	0.00			
7/19/2023	Wed	21.9	3965266	4782	17.7	8273	26	0	0.00			
7/20/2023	Thu	25.4	3970048	4207	17.8	8273	26	0	0.00	0.00		
7/21/2023	Fri	26.8	3974255	12997	17.8	8273	26	0	0.00			
7/22/2023	Sat	26.8	3987252	12997	17.8	8273	26	0	0.00			
7/23/2023	Sun	26.8	4000249	12997	17.8	8273	26	0	0.00	0.00		
7/24/2023	Mon	25.1	4013246	7487	17.7	8273	26	0	0.00		0.00	
7/25/2023	Tue	29.9	4020733	7269	17.6	8273	26	0	0.00			
7/26/2023	Wed	30.1	4028002	9428	17.6	8273	26	0	0.00	0.00		
7/27/2023	Thu	28.8	4037430	7562	17.6	8273	26	0	0.00			
7/28/2023	Fri	30.3	4044992	6005	17.5	8273	26	0	0.00			
7/29/2023	Sat	30.3	4050997	6005	17.5	8273	26	0	0.00	0.00		
7/30/2023	Sun	30.3	4057002	6005	17.5	8273	26	0	0.00			
7/31/2023	Mon	32.6	4063007	15129	17.6	8273	26	0	0.00			

		CELL 6 LCS			CELL 6 LDS				150	60		
Date	Day of Week	Liquid Level (inches)	Flow meter reading (gallons)	Gallons Removed	Sump Liquid Level (inches)	Flow meter reading (gallons)	Tank Liquid Level (inches)	LDS Daily Pump (gal)	LDS Flow Rate Avg. (gal/acre)	LDS Flow Rate 3-Day Avg. (gal/acre/day)	LDS Flow Rate 14-Day Avg. (gal/acre/day)	Comments
7/1/2023	Sat	14.9	1386667	769	16.7	2825	41.7	0	0.00			
7/2/2023	Sun	14.9	1387436	771	16.7	2825	41.7	0	0.00	0.00		
7/3/2023	Mon	15.7	1388207	692	16.9	2825	41.7	0	0.00			
7/4/2023	Tue	13.5	1388899	692	17	2825	41.7	0	0.00			
7/5/2023	Wed	14.1	1389591	775	17.1	2825	41.7	0	0.00	0.00		
7/6/2023	Thu	15.3	1390366	556	17	2825	41.7	0	0.00			
7/7/2023	Fri	16.2	1390922	664	17.3	2825	41.7	0	0.00			
7/8/2023	Sat	16.2	1391586	664	17.3	2825	41.7	0	0.00	0.00		
7/9/2023	Sun	16.2	1392250	666	17.3	2825	41.7	0	0.00			
7/10/2023	Mon	18.6	1392916	663	17.7	2825	41.7	0	0.00			
7/11/2023	Tue	23	1393579	884	17.8	2825	41.7	0	0.00	0.00		
7/12/2023	Wed	12.7	1394463	744	17.7	2825	41.7	0	0.00			
7/13/2023	Thu	19.2	1395207	903	18	2825	41.7	25	6.58		0.47	
7/14/2023	Fri	15.3	1396110	650	17.2	2850	42	0	0.00	2.19		
7/15/2023	Sat	15.3	1396760	650	17.2	2850	42	0	0.00			
7/16/2023	Sun	15.3	1397410	652	17.2	2850	42	0	0.00			
7/17/2023	Mon	24	1398062	936	17.3	2850	42	0	0.00	0.00		
7/18/2023	Tue	12.1	1398998	483	17.3	2850	42	0	0.00			
7/19/2023	Wed	18.3	1399481	297	17.5	2850	42	0	0.00			
7/20/2023	Thu	18.7	1399778	414	17.4	2850	42	0	0.00	0.00		
7/21/2023	Fri	17.3	1400192	940	17.4	2850	42	0	0.00			
7/22/2023	Sat	17.3	1401132	940	17.4	2850	42	0	0.00			
7/23/2023	Sun	17.3	1402072	940	17.4	2850	42	0	0.00	0.00		
7/24/2023	Mon	12.9	1403012	711	17.1	2850	42	0	0.00			
7/25/2023	Tue	12	1403723	487	17.1	2850	42	0	0.00			
7/26/2023	Wed	13.9	1404210	673	17.2	2850	42	0	0.00	0.00		
7/27/2023	Thu	16.7	1404883	687	17.2	2850	42	0	0.00		0.00	
7/28/2023	Fri	15.9	1405570	143	17.1	2850	42	0	0.00			
7/29/2023	Sat	15.9	1405713	143	17.1	2850	42	0	0.00	0.00		
7/30/2023	Sun	15.9	1405856	143	17.1	2850	42	0	0.00			
7/31/2023	Mon	16.2	1405999	497	16.9	2850	42	0	0.00			

		CELL 7 LCS			CELL 7 LDS				150	60		
Date	Day of Week	Liquid Level (inches)	Flow meter reading (gallons)	Gallons Removed	Sump Liquid Level (inches)	Flow meter reading (gallons)	Tank Liquid Level (inches)	LDS Daily Pump (gal)	LDS Flow Rate Avg. (gal/acre)	LDS Flow Rate 3-Day Avg. (gal/acre/day)	LDS Flow Rate 14-Day Avg. (gal/acre/day)	Comments
7/1/2023	Sat	3.3	1848471	2019	23.7	4045	16.2	0	0.00			
7/2/2023	Sun	3.3	1850490	2020	23.7	4045	16.2	0	0.00			
7/3/2023	Mon	2.7	1852510	2067	24.1	4045	16.2	0	0.00	0.00		
7/4/2023	Tue	6.1	1854577	1815	24.3	4045	16.2	0	0.00			
7/5/2023	Wed	4.4	1856392	2227	24.7	4045	16.2	0	0.00			
7/6/2023	Thu	5.1	1858619	1680	24.7	4045	16.2	0	0.00	0.00		
7/7/2023	Fri	2.2	1860299	1930	24.9	4045	16.2	0	0.00			
7/8/2023	Sat	2.2	1862229	1930	24.9	4045	16.2	0	0.00			
7/9/2023	Sun	2.2	1864159	1930	24.9	4045	16.2	0	0.00	0.00		
7/10/2023	Mon	2	1866089	1992	25.1	4045	16.2	0	0.00			
7/11/2023	Tue	1.2	1868081	2035	25.2	4045	16.2	21	3.00			
7/12/2023	Wed	2.9	1870116	2548	22	4066	16.4	0	0.00	1.00	0.21	
7/13/2023	Thu	3.3	1872664	2179	22.3	4066	16.4	0	0.00			
7/14/2023	Fri	2.7	1874843	1410	22.7	4066	16.4	0	0.00			
7/15/2023	Sat	2.7	1876253	1410	22.7	4066	16.4	0	0.00	0.00		
7/16/2023	Sun	2.7	1877663	1411	22.7	4066	16.4	0	0.00			
7/17/2023	Mon	1.8	1879074	1801	23.1	4066	16.4	0	0.00			
7/18/2023	Tue	1.2	1880875	1622	23.2	4066	16.4	0	0.00	0.00		
7/19/2023	Wed	2	1882497	1034	23.2	4066	16.4	0	0.00			
7/20/2023	Thu	2.6	1883531	974	23.4	4066	16.4	0	0.00			
7/21/2023	Fri	1.8	1884505	2122	23.4	4066	16.4	0	0.00	0.00		
7/22/2023	Sat	1.8	1886627	2122	23.4	4066	16.4	0	0.00			
7/23/2023	Sun	1.8	1888749	2124	23.4	4066	16.4	0	0.00			
7/24/2023	Mon	1.8	1890873	1608	23.4	4066	16.4	0	0.00	0.00		
7/25/2023	Tue	1.5	1892481	1520	23.4	4066	16.4	0	0.00			
7/26/2023	Wed	2.7	1894001	1624	23.6	4066	16.4	0	0.00		0.00	
7/27/2023	Thu	2.8	1895625	1637	23.6	4066	16.4	0	0.00	0.00		
7/28/2023	Fri	2.3	1897262	1666	23.5	4066	16.4	0	0.00			
7/29/2023	Sat	2.3	1898928	1666	23.5	4066	16.4	0	0.00			
7/30/2023	Sun	2.3	1900594	1666	23.5	4066	16.4	0	0.00	0.00		
7/31/2023	Mon	2.5	1902260	1658	23.6	4066	16.4	0	0.00			

		CELL 8 LCS			CELL 8 LDS				150	60		
Date	Day of Week	Liquid Level (inches)	Flow meter reading (gallons)	Gallons Removed	Sump Liquid Level (inches)	Flow meter reading (gallons)	Tank Liquid Level (inches)	LDS Daily Pump (gal)	LDS Flow Rate Avg. (gal/acre)	LDS Flow Rate 3-Day Avg. (gal/acre/day)	LDS Flow Rate 14-Day Avg. (gal/acre/day)	Comments
7/1/2023	Sat	4.5	1829645	3484	21.5	7527	37	0	0.00			
7/2/2023	Sun	4.5	1833129	3484	21.5	7527	37	0	0.00			
7/3/2023	Mon	3.2	1836613	2296	21.9	7527	37	0	0.00	0.00		
7/4/2023	Tue	4.2	1838909	1463	22	7527	37	0	0.00			
7/5/2023	Wed	4.5	1840372	2861	22.1	7527	37	0	0.00			
7/6/2023	Thu	3.8	1843233	3686	22.1	7527	37	0	0.00	0.00		
7/7/2023	Fri	4.1	1846919	7676	22.2	7527	37	0	0.00			
7/8/2023	Sat	4.1	1854595	7676	22.2	7527	37	0	0.00			
7/9/2023	Sun	4.1	1862271	7676	22.2	7527	37	0	0.00	0.00		
7/10/2023	Mon	3.9	1869947	3680	22.3	7527	37	0	0.00			
7/11/2023	Tue	5	1873627	8351	22.3	7527	37	0	0.00			
7/12/2023	Wed	4.2	1881978	7811	22.5	7527	37	0	0.00	0.00	0.00	
7/13/2023	Thu	4.7	1889789	8361	22.4	7527	37	0	0.00			
7/14/2023	Fri	3.6	1898150	8736	22.5	7527	37	2	0.25			
7/15/2023	Sat	3.6	1906886	8736	22.5	7529	37	2	0.25	0.17		
7/16/2023	Sun	3.6	1915622	8736	22.5	7531	37	3	0.38			
7/17/2023	Mon	5.3	1924358	9035	22	7534	37.1	0	0.00			
7/18/2023	Tue	5.1	1933393	7222	22.6	7534	37.1	0	0.00	0.13		
7/19/2023	Wed	4.7	1940615	3381	22.8	7534	37.1	0	0.00			
7/20/2023	Thu	3.8	1943996	3640	23	7534	37.1	0	0.00			
7/21/2023	Fri	5.9	1947636	12418	23.2	7534	37.1	0	0.00	0.00		
7/22/2023	Sat	5.9	1960054	12418	23.2	7534	37.1	0	0.00			
7/23/2023	Sun	5.9	1972472	12419	23.2	7534	37.1	0	0.00			
7/24/2023	Mon	4.5	1984891	9897	24.4	7534	37.1	0	0.00	0.00		
7/25/2023	Tue	4.5	1994788	3795	24.7	7534	37.1	0	0.00			
7/26/2023	Wed	6.8	1998583	0	24.8	7534	37.1	0	0.00		0.06	
7/27/2023	Thu	16.8	1998583	0	25.3	7534	37.1	0	0.00	0.00		
7/28/2023	Fri	21.7	1998583	2045	25.4	7534	37.1	0	0.00			
7/29/2023	Sat	21.7	2000628	2045	25.4	7534	37.1	0	0.00			
7/30/2023	Sun	21.7	2002673	2045	25.4	7534	37.1	0	0.00	0.00		
7/31/2023	Mon	5.6	2004718	5256	26.1	7534	37.1	336	42.53			

		CELL 9 LCS			CELL 9 LDS				150	60	
Date	Day of Week	Liquid Level (inches)	Flow meter reading (gallons)	Gallons Removed	Sump Liquid Level (inches)	Flow meter reading (gallons)	LDS Daily Pump (gal)	LDS Flow Rate Avg. (gal/acre)	LDS Flow Rate 3-Day Avg. (gal/acre/day)	LDS Flow Rate 14-Day Avg. (gal/acre/day)	Comments
7/1/2023	Sat	12.1	11989051	4514	29	13547	0	0.00			
7/2/2023	Sun	12.1	11993565	4514	29	13547	0	0.00			
7/3/2023	Mon	12	11998079	4567	30.1	13547	0	0.00	0.00		
7/4/2023	Tue	11.7	12002646	3932	30.3	13547	0	0.00			
7/5/2023	Wed	12.3	12006578	5625	30.7	13547	0	0.00			
7/6/2023	Thu	11.3	12012203	3038	30.8	13547	0	0.00	0.00		
7/7/2023	Fri	10.7	12015241	0	31.2	13547	231	22.43		1.60	
7/8/2023	Sat	10.7	12015241	0	31.2	13778	231	22.43			
7/9/2023	Sun	10.7	12015241	13102	31.2	14009	231	22.43	22.43		
7/10/2023	Mon	11.5	12028343	4594	27.4	14240	196	19.03			
7/11/2023	Tue	12.3	12032937	4724	26	14436	0	0.00			
7/12/2023	Wed	12.2	12037661	4573	26.3	14436	785	76.21	31.75		
7/13/2023	Thu	9.9	12042234	4743	24.2	15221	781	75.83			
7/14/2023	Fri	10.4	12046977	6628	25.5	16002	421	40.87			
7/15/2023	Sat	10.4	12053605	6628	25.5	16423	421	40.87	52.52		
7/16/2023	Sun	10.4	12060233	6628	25.5	16844	423	41.07			
7/17/2023	Mon	8.2	12066861	5275	23.3	17267	0	0.00			
7/18/2023	Tue	11	12072136	4589	24.1	17267	0	0.00	13.69		
7/19/2023	Wed	12.2	12076725	2273	26	17267	0	0.00			
7/20/2023	Thu	9.8	12078998	2798	27.4	17267	0	0.00			
7/21/2023	Fri	12.3	12081796	6733	29.2	17267	0	0.00	0.00	24.20	
7/22/2023	Sat	12.3	12088529	6733	29.2	17267	0	0.00			
7/23/2023	Sun	12.3	12095262	6734	29.2	17267	664	64.47			
7/24/2023	Mon	10	12101996	5088	33.4	17931	0	0.00	21.49		
7/25/2023	Tue	12.1	12107084	5660	33.5	17931	0	0.00			
7/26/2023	Wed	11.4	12112744	4448	33.7	17931	0	0.00			
7/27/2023	Thu	12.3	12117192	4858	33.8	17931	700	67.96	22.65		
7/28/2023	Fri	10.2	12122050	5590	24.7	18631	0	0.00			
7/29/2023	Sat	10.2	12127640	5590	24.7	18631	0	0.00			
7/30/2023	Sun	10.2	12133230	5591	24.7	18631	0	0.00	0.00		
7/31/2023	Mon	12.1	12138821	3396	25.2	18631	0	0.00			

		CELL 10 LCS			CELL 10 LDS			150	60		
Date	Day of Week	Liquid Level (inches)	Flow meter reading (gallons)	Gallons Removed	Sump Liquid Level (inches)	Flow meter reading (gallons)	LDS Daily Pump (gal)	LDS Flow Rate Avg. (gal/acre)	LDS Flow Rate 3-Day Avg. (gal/acre/day)	LDS Flow Rate 14-Day Avg. (gal/acre/day)	Comments
7/1/2023	Sat	12.5	18398021	4463	21.9	179500	0	0.00			
7/2/2023	Sun	12.5	18402484	4377	21.9	179500	0	0.00			
7/3/2023	Mon	14.1	18406861	4490	22.1	179500	0	0.00	0.00		
7/4/2023	Tue	14.3	18411351	3888	22.3	179500	0	0.00			
7/5/2023	Wed	11.4	18415239	4201	22.3	179500	0	0.00			
7/6/2023	Thu	12	18419440	4224	22.4	179500	0	0.00	0.00		
7/7/2023	Fri	10.7	18423664	4320	25.5	179500	243	33.29		2.38	
7/8/2023	Sat	10.7	18427984	4320	25.5	179743	243	33.29			
7/9/2023	Sun	10.7	18432304	4320	25.5	179986	245	33.56	33.38		
7/10/2023	Mon	11.1	18436624	4736	20.4	180231	0	0.00			
7/11/2023	Tue	14.5	18441360	4305	20.6	180231	0	0.00			
7/12/2023	Wed	12.8	18445665	4123	20.8	180231	0	0.00	0.00		
7/13/2023	Thu	11.1	18449788	3856	20.8	180231	0	0.00			
7/14/2023	Fri	13.4	18453644	7649	21	180231	0	0.00			
7/15/2023	Sat	13.4	18461293	7649	21	180231	0	0.00	0.00		
7/16/2023	Sun	13.4	18468942	7651	21	180231	0	0.00			
7/17/2023	Mon	12.8	18476593	7697	21.6	180231	0	0.00			
7/18/2023	Tue	10.7	18484290	6348	21.6	180231	0	0.00	0.00		
7/19/2023	Wed	14	18490638	4021	21.6	180231	0	0.00			
7/20/2023	Thu	12.2	18494659	2923	21.7	180231	0	0.00			
7/21/2023	Fri	10.8	18497582	7680	21.9	180231	0	0.00	0.00	4.77	
7/22/2023	Sat	10.8	18505262	7680	21.9	180231	0	0.00			
7/23/2023	Sun	10.8	18512942	7682	21.9	180231	0	0.00			
7/24/2023	Mon	14	18520624	5617	22.3	180231	0	0.00	0.00		
7/25/2023	Tue	13.3	18526241	4990	22.7	180231	0	0.00			
7/26/2023	Wed	12.7	18531231	5784	22.9	180231	0	0.00			
7/27/2023	Thu	14.1	18537015	5107	23	180231	0	0.00	0.00		
7/28/2023	Fri	11	18542122	3363	23	180231	0	0.00			
7/29/2023	Sat	11	18545485	3363	23	180231	0	0.00			
7/30/2023	Sun	11	18548848	3363	23	180231	0	0.00	0.00		
7/31/2023	Mon	12.3	18552211	7425	23.4	180231	0	0.00			

		CELL 11 LCS			CELL 11 LDS			150	60		
Date	Day of Week	Liquid Level (inches)	Flow meter reading (gallons)	Gallons Removed	Sump Liquid Level (inches)	Flow meter reading (gallons)	LDS Daily Pump (gal)	LDS Flow Rate Avg. (gal/acre)	LDS Flow Rate 3-Day Avg. (gal/acre/day)	LDS Flow Rate 14-Day Avg. (gal/acre/day)	Comments
7/1/2023	Sat	111.2	18585598	22156	22.3	6383	242	32.70			
7/2/2023	Sun	111.2	18607754	22158	22.3	6625	243	32.84			
7/3/2023	Mon	13.7	18629912	23139	23	6868	330	44.59	36.71		
7/4/2023	Tue	17.9	18653051	21713	20.7	7198	158	21.35			
7/5/2023	Wed	13.3	18674764	21196	21	7356	502	67.84			
7/6/2023	Thu	8.9	18695960	23525	21.6	7858	0	0.00	29.73		
7/7/2023	Fri	5.9	18719485	23013	22	7858	0	0.00			
7/8/2023	Sat	5.9	18742498	23013	22	7858	0	0.00			
7/9/2023	Sun	5.9	18765511	23013	22	7858	0	0.00	0.00		
7/10/2023	Mon	13.5	18788524	20953	22.2	7858	0	0.00			
7/11/2023	Tue	11	18809477	20054	22.5	7858	562	75.95			
7/12/2023	Wed	9.8	18829531	20461	20.9	8420	0	0.00	25.32		
7/13/2023	Thu	12.2	18849992	21222	21.2	8420	70	9.46			
7/14/2023	Fri	10.9	18871214	22318	21.6	8490	0	0.00		20.34	
7/15/2023	Sat	10.9	18893532	22318	21.6	8490	0	0.00	3.15		
7/16/2023	Sun	10.9	18915850	22319	21.6	8490	0	0.00			
7/17/2023	Mon	11.2	18938169	26437	21.8	8490	0	0.00			
7/18/2023	Tue	19.1	18964606	24914	22	8490	0	0.00	0.00		
7/19/2023	Wed	16.4	18989520	20620	22.2	8490	0	0.00			
7/20/2023	Thu	14.4	19010140	26259	22.2	8490	0	0.00			
7/21/2023	Fri	14	19036399	29745	22.3	8490	0	0.00	0.00		
7/22/2023	Sat	14	19066144	29745	22.3	8490	0	0.00			
7/23/2023	Sun	14	19095889	29746	22.3	8490	0	0.00			
7/24/2023	Mon	18.8	19125635	27547	22.5	8490	0	0.00	0.00		
7/25/2023	Tue	13.3	19153182	24846	22.8	8490	0	0.00			
7/26/2023	Wed	11.1	19178028	27166	22.8	8490	0	0.00			
7/27/2023	Thu	12.5	19205194	24286	23.1	8490	0	0.00	0.00		
7/28/2023	Fri	10.7	19229480	25880	23.4	8490	0	0.00		0.00	
7/29/2023	Sat	10.7	19255360	25880	23.4	8490	0	0.00			
7/30/2023	Sun	10.7	19281240	25880	23.4	8490	0	0.00	0.00		
7/31/2023	Mon	11.3	19307120	24946	23.8	8490	0	0.00			

		CELL 12 LCS			CELL 12 LDS				150	60		
Date	Day of Week	Liquid Level (inches)	Flow meter reading (gallons)	Gallons Removed	Sump Liquid Level (inches)	Flow meter reading (gallons)	Total volume (gallons)	LDS Daily Pump (gal)	LDS Flow Rate Avg. (gal/acre)	LDS Flow Rate 3-Day Avg. (gal/acre/day)	LDS Flow Rate 14-Day Avg. (gal/acre/day)	Comments
7/1/2023	Sat	5.5	6955841	2939	25.8	26904	284564	400	45.45			
7/2/2023	Sun	5.5	6958780	2940	25.8	27304	284964	402	45.68	45.53		
7/3/2023	Mon	7.4	6961720	2932	22.6	27706	285366	298	33.86			
7/4/2023	Tue	6.4	6964652	2558	23.1	28004	285664	299	33.98			
7/5/2023	Wed	7	6967210	2777	22.9	28303	285963	302	34.32	34.05		
7/6/2023	Thu	4.8	6969987	2783	23	28605	286265	298	33.86			
7/7/2023	Fri	4.8	6972770	0	23.2	28903	286563	223	25.34			
7/8/2023	Sat	4.8	6972770	0	23.2	29126	286786	223	25.34	28.18		
7/9/2023	Sun	4.8	6972770	8878	23.2	29349	287009	224	25.45			
7/10/2023	Mon	10.2	6981648	3033	27.3	29573	287233	300	34.09			
7/11/2023	Tue	12.8	6984681	3122	27.2	29873	287533	1229	139.66	66.40		
7/12/2023	Wed	11.1	6987803	3211	27	31102	288762	561	63.75			
7/13/2023	Thu	10.1	6991014	2386	24.6	31663	289323	638	72.50			
7/14/2023	Fri	9.7	6993400	5115	24	32301	289961	628	71.36	69.20	48.90	
7/15/2023	Sat	9.7	6998515	5115	24	32929	290589	628	71.36			
7/16/2023	Sun	9.7	7003630	5116	24	33557	291217	628	71.36			
7/17/2023	Mon	11.3	7008746	5066	23.8	34185	291845	601	68.30	70.34		
7/18/2023	Tue	5.5	7013812	4283	23.5	34786	292446	302	34.32			
7/19/2023	Wed	7.7	7018095	3134	24.1	35088	292748	253	28.75			
7/20/2023	Thu	8.2	7021229	4505	23.1	35341	293001	351	39.89	34.32		
7/21/2023	Fri	4.8	7025734	5058	23.7	35692	293352	603	68.52			
7/22/2023	Sat	4.8	7030792	5058	23.7	36295	293955	603	68.52			
7/23/2023	Sun	4.8	7035850	5059	23.7	36898	294558	603	68.52	68.52		
7/24/2023	Mon	7.5	7040909	4561	25.1	37501	295161	602	68.41			
7/25/2023	Tue	4.8	7045470	4357	22.8	38103	295763	394	44.77			
7/26/2023	Wed	5.9	7049827	4919	23.6	38497	296157	209	23.75	22.84		
7/27/2023	Thu	4.4	7054746	4627	25.1	38706	296366	300	34.09			
7/28/2023	Fri	6.4	7059373	4673	24.5	39006	296666	164	18.64		50.66	
7/29/2023	Sat	6.4	7064046	4673	24.5	39170	296830	164	18.64	23.79		
7/30/2023	Sun	6.4	7068719	4673	24.5	39334	296994	165	18.75			
7/31/2023	Mon	7.4	7073392	5064	23.3	39499	297159	104	11.82			

		North Phase LCS			North Phase LDS (Tank 8A)					150	60	
Date	Day of Week	LCS Sump Level	LCS Flow Meter	Gallons Removed	LDS Sump level	LDS Flow Meter	Tank Liquid Level (inches)	LDS Daily Pump (gal)	LDS Flow Rate Avg. (gal/acre)	LDS Flow Rate 3-Day Avg. (gal/acre/day)	LDS Flow Rate 14-Day Avg. (gal/acre/day)	Comments
7/1/23	Sat	5.5	618,235	246	6.9	120,812	31	0	0.00	0.00		
7/2/23	Sun	5.5	618,481	247	6.9	120,812	31	0	0.00			
7/3/23	Mon	6.9	618,728	1,184	6.8	120,812	31	203	17.31			
7/4/23	Tue	9.6	619,912	1,318	6.8	121,015	32	63	5.37	7.56		
7/5/23	Wed	9.2	621,230	769	7.5	121,078	31	0	0.00			
7/6/23	Thu	8.4	621,999	468	8.2	121,078	31	150	12.79			
7/7/23	Fri	6.7	622,467	0	6.5	121,228	31	0	0.00	4.26		
7/8/23	Sat	6.7	622,467	0	6.5	121,228	31	0	0.00			
7/9/23	Sun	6.7	622,467	1,933	6.5	121,228	31	0	0.00			
7/10/23	Mon	7.1	624,400	631	6.9	121,228	31	0	0.00	0.00		
7/11/23	Tue	8.5	625,031	654	7.1	121,228	31	0	0.00			
7/12/23	Wed	9.2	625,685	276	7.2	121,228	31	700	59.68			
7/13/23	Thu	9.8	625,961	0	5.2	121,928	37	0	0.00	19.89		
7/14/23	Fri	10.5	625,961	0	6.6	121,928	40	0	0.00		6.80	
7/15/23	Sat	10.5	625,961	0	6.6	121,928	40	0	0.00			
7/16/23	Sun	10.5	625,961	0	6.6	121,928	40	0	0.00	0.00		
7/17/23	Mon	16.8	625,961	2,926	14.1	121,928	35	443	37.77			
7/18/23	Tue	11.3	628,887	0	1.6	122,371	30	0	0.00			
7/19/23	Wed	11	628,887	0	2.8	122,371	30	0	0.00	12.59		
7/20/23	Thu	11.6	628,887	0	3.4	122,371	30	0	0.00			
7/21/23	Fri	13.4	628,887	0	3.5	122,371	30	0	0.00			
7/22/23	Sat	13.4	628,887	0	3.5	122,371	30	0	0.00	0.00		
7/23/23	Sun	13.4	628,887	3,839	3.5	122,371	30	0	0.00			
7/24/23	Mon	3.2	632,726	639	4.0	122,371	37	0	0.00			
7/25/23	Tue	2.3	633,365	0	5.1	122,371	37	0	0.00	0.00		
7/26/23	Wed	2.7	633,365	0	5.2	122,371	37	0	0.00			
7/27/23	Thu	3.2	633,365	0	5.7	122,371	37	0	0.00			
7/28/23	Fri	4.6	633,365	0	6.0	122,371	37	0	0.00	0.00	2.70	
7/29/23	Sat	4.6	633,365	0	6.0	122,371	37	0	0.00			
7/30/23	Sun	4.6	633,365	0	6.0	122,371	37	0	0.00			
7/31/23	Mon	11.3	633,365	0	6.3	122,371	37	0	0.00	0.00		

		South Phase LCS			South Phase LDS					150	60	
Date	Day of Week	Liquid Level (inches)	Flow meter reading (gallons)	Gallons Removed SPLCS	Sump level	Flow Meter Reading (gallons)	Tank Liquid Level (inches)	LDS Daily Pump (gal)	LDS Flow Rate Avg. (gal/acre)	LDS Flow Rate 3-Day Avg. (gal/acre/day)	LDS Flow Rate 14-Day Avg. (gal/acre/day)	Comments
7/1/23	Sat	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
7/2/23	Sun	35.8	36,411	0	33.6	116519	7	0	0.00		0.00	
7/3/23	Mon	35.8	36,411	0	33.6	116519	7	0	0.00			
7/4/23	Tue	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
7/5/23	Wed	35.8	36,411	0	33.6	116519	7	0	0.00			
7/6/23	Thu	35.8	36,411	0	33.6	116519	7	0	0.00			
7/7/23	Fri	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
7/8/23	Sat	35.8	36,411	0	33.6	116519	7	0	0.00			
7/9/23	Sun	35.8	36,411	0	33.6	116519	7	0	0.00			
7/10/23	Mon	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
7/11/23	Tue	35.8	36,411	0	33.6	116519	7	0	0.00			
7/12/23	Wed	35.8	36,411	0	33.6	116519	7	0	0.00			
7/13/23	Thu	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
7/14/23	Fri	35.8	36,411	0	33.6	116519	7	0	0.00			
7/15/23	Sat	35.8	36,411	0	33.6	116519	7	0	0.00			
7/16/23	Sun	35.8	36,411	0	33.6	116519	7	0	0.00	0.00	0.00	
7/17/23	Mon	35.8	36,411	0	33.6	116519	7	0	0.00			
7/18/23	Tue	35.8	36,411	0	33.6	116519	7	0	0.00			
7/19/23	Wed	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
7/20/23	Thu	35.8	36,411	0	33.6	116519	7	0	0.00			
7/21/23	Fri	35.8	36,411	0	33.6	116519	7	0	0.00			
7/22/23	Sat	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
7/23/23	Sun	35.8	36,411	0	33.6	116519	7	0	0.00			
7/24/23	Mon	35.8	36,411	0	33.6	116519	7	0	0.00			
7/25/23	Tue	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
7/26/23	Wed	35.8	36,411	0	33.6	116519	7	0	0.00			
7/27/23	Thu	35.8	36,411	0	33.6	116519	7	0	0.00			
7/28/23	Fri	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
7/29/23	Sat	35.8	36,411	0	33.6	116519	7	0	0.00			
7/30/23	Sun	35.8	36,411	0	33.6	116519	7	0	0.00		0.00	
7/31/23	Mon	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		

ATTACHMENT F

Gas Extraction Well Operations & Location Map

Device Name	Alias	Description	Active	Location	Downtime (hours)
New Hill Gas Wells					
EVLFL01	LE-1	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL03	LE-03	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL04	LE-4	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL05	LE-05	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL07	LE-7	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL08	LE-08	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFL8R	LE-8R	REPLACEMENT FOR LE-08	Yes	Interior	0.75 hour
EVLFL10	LE-10	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL11	LE-11	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL12	LE-12	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL13	LE-13	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFL13R	LE-13R	Replacement for LE-13	Yes	Interior	0.75 hour
EVLFL15	LE-15	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL16	LE-16	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL18	LE-18	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFL18R	LE-18R	REPLACEMENT FOR LE-18	Yes	Interior	0.75 hour
EVLFL19	LE-19	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL21	LE-21	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL24	LE-24	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL26	LE-26	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL27	LE-27	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL29	LE-29	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL31	LE-31	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFL31R	LE-31R	REPLACEMENT FOR LE-31	Yes	Interior	0.75 hour
EVLFL32	LE-32	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL33	LE-33	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL34	LE-34	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFL34R	LE-34R	REPLACEMENT FOR LE-34	Yes	Interior	0.75 hour
EVLFL36	LE-36	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL38	LE-38	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFL38R	LE-38R	REPLACEMENT FOR LE-38	Yes	Interior	0.75 hour
EVLFL39	LE-39	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL41	LE-41	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFL41R	LE-41R	REPLACEMENT FOR LE-41	Yes	Interior	0.75 hour
EVLFL42	LE-42	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL43	LE-43	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL45	LE-45	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL48	LE-48	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL50	LE-50	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFL50R	LE-50R	REPLACEMENT FOR LE-50	Yes	Interior	0.75 hour
EVLFL52	LE-52	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFL52R	LE-52R	REPLACEMENT FOR LE-52	Yes	Interior	0.75 hour
EVLFL53	LE-53	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFL53R	LE-53R	REPLACEMENT FOR LE-53	Yes	Interior	0.75 hour
EVLFL55	LE-55	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFL55R	LE-55R	REPLACEMENT FOR LE-55	Yes	Interior	0.75 hour
EVLFL56	LE-56	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFL56R	LE-56R	REPLACEMENT FOR LE-56	Yes	Interior	0.75 hour
EVLFL57	LE-57	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFL57R	LE-57R	REPLACEMENT FOR LE-57	Yes	Interior	0.75 hour
EVLFL58	LE-58	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFL58R	LE-58R	REPLACEMENT FOR LE-58	Yes	Interior	0.75 hour
EVLFL59	LE-59	Lateral Expansion Area Well	No	Interior	0.75 hour

Device Name	Alias	Description	Active	Location	Downtime (hours)
EVLLE59R	LE-59R	REPLACEMENT FOR LE-59	Yes	Interior	0.75 hour
EVLFL62	LE-62	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE62R	LE-62R	REPLACEMENT FOR LE-62	Yes	Interior	0.75 hour
EVLFL64	LE-64	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL65	LE-65	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE65R	LE-65R	REPLACEMENT FOR LE-65	Yes	Interior	0.75 hour
EVLFL67	LE-67	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL70	LE-70	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFE70R	LE-70R	Replacement for LE-70	Yes	Interior	0.75 hour
EVLFL71	LE-71	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL72	LE-72	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL73	LE-73	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE73R	LE-73R	Replacement for LE-73	Yes	Interior	0.75 hour
EVLFL75	LE-75	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL76	LE-76	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFE76R	LE-76R	Replacement for LE-76	Yes	Interior	0.75 hour
EVLFL78	LE-78	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL79	LE-79	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL80	LE-80	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL83	LE-83	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL84	LE-84	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL85	LE-85	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL86	LE-86	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL87	LE-87	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFL114	LE-114	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE116	LE-116	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE117	LE-117	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE118	LE-118	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE119	LE-119	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE120	LE-120	Lateral Expansion Area Well	No	Interior	REPLACED
EVLE120R	LE-120R	REPLACEMENT FOR LE-120	Yes	Interior	0.75 hour
EVLLE121	LE-121	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE122	LE-122	Lateral Expansion Area Well	No	Interior	REPLACED
EVLE122R	LE-122R	REPLACEMENT FOR LE-122	Yes	Interior	0.75 hour
EVLLE127	LE-127	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE130	LE-130	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE143	LE-143	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE145	LE-145	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE146	LE-146	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE151	LE-151	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE154	LE-154	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1000	EW-1000	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1002	EW-1002	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1003	EW-1003	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1006	EW-1006	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1007	EW-1007	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1008	EW-1008	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1009	EW-1009	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1010	EW-1010	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1011	EW-1011	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1012	EW-1012	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1014	EW-1014	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1017	EW-1017	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1018	EW-1018	Lateral Expansion Area Well	Yes	Interior	0.75 hour

Device Name	Alias	Description	Active	Location	Downtime (hours)
EVEW1022	EW-1022	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1024	EW-1024	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1025	EW-1025	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1027	EW-1027	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1028	EW-1028	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1055	EW-1055	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1056	EW-1056	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1057	EW-1057	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1058	EW-1058	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1059	EW-1059	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1060	EW-1060	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1061	EW-1061	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1067	EW-1067	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFTD1A	TD-1A	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFTD1B	TD-1B	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFTD02	TD-2	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT10	OT-10	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT11	OT-11	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT12	OT-12	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT13	OT-13	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT14	OT-14	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT15	OT-15	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT16	OT-16	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT17	OT-17	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT18	OT-18	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT19	OT-19	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT20	OT-20	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT21	OT-21	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT22	OT-22	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT23	OT-23	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT24	OT-24	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLHGC1	HGC-1	Lateral Expansion Area Well	Yes	Interior	shut off 4/2020
EVLHGC2	HGC-2	Lateral Expansion Area Well	Yes	Interior	shut off 4/2020
EVLFHGC3	HGC-3	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFHGC4	HGC-4	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFHGC5	HGC-5	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFHGC6	HGC-6	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFHGC7	HGC-7	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFHC8A	HC-8A	Lateral Expansion Area Well	Yes	Interior	shut off 2/2023
EVLFHC8B	HC-8B	Lateral Expansion Area Well	Yes	Interior	shut off 2/2023
EVLFHGC9	HGC-9	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVHGC10A	HGC-10A	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVHGC10B	HGC-10B	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLHGC12	HGC-12	Lateral Expansion Area Well	Yes	Interior	0.75 hour
Old Hill Gas Wells					
TOTIEW01	EW-01	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW02	EW-02	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW03	EW-03	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW04	EW-04	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW05	EW-05	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW06	EW-06	Old Hill Extraction Well	No	Interior	REPLACED
TOTIEW6R	EW-6R	Replacement for EW-6	Yes	Interior	0.75 hour
TOTIEW07	EW-07	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW08	EW-08	Old Hill Extraction Well	No	Interior	0.75 hour

Device Name	Alias	Description	Active	Location	Downtime (hours)
TOTIEW09	EW-09	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW10	EW-10	Old Hill Extraction Well	No	Interior	REPLACED
TOTEW10R	EW-10R	Replacement for EW-10	Yes	Interior	0.75 hour
TOTIEW11	EW-11	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW12	EW-12	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW13	EW-13	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW14	EW-14	Old Hill Extraction Well	No	Interior	REPLACED
TOTEW14R	EW-14R	Replacement for EW-14	Yes	Interior	0.75 hour
TOTIEW15	EW-15	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW16	EW-16	Old Hill Extraction Well	No	Interior	shut off 5.16
TOTIEW17	EW-17	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW18	EW-18	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW19	EW-19	Old Hill Extraction Well	No	Interior	shut off 5.16
TOTIEW20	EW-20	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW21	EW-21	Old Hill Extraction Well	No	Interior	shut off 5.16
TOTIEW22	EW-22	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW23	EW-23	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW24	EW-24	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW25	EW-25	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW26	EW-26	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW27	EW-27	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW28	EW-28	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW29	EW-29	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW30	EW-30	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW31	EW-31	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW32	EW-32	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW33	EW-33	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW34	EW-34	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW35	EW-35	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW36	EW-36	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW37	EW-37	Old Hill Extraction Well	No	Interior	REPLACED
TOTEW37R	EW-37R	REPLACEMENT FOR EW-37	Yes	Interior	0.75 hour
TOTIEW38	EW-38	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW39	EW-39	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW40	EW-40	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW41	EW-41	Old Hill Extraction Well	No	Interior	REPLACED
TOTEW41R	EW-41R	REPLACEMENT FOR EW-41	Yes	Interior	0.75 hour
TOTIEW42	EW-42	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW43	EW-43	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW44	EW-44	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW45	EW-45	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW46	EW-46	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW47	EW-47	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW48	EW-48	Old Hill Extraction Well	No	Interior	REPLACED
TOTEW48R	EW-48R	REPLACEMENT FOR EW-48	Yes	Interior	0.75 hour
TOTIEW49	EW-49	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW50	EW-50	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW51	EW-51	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW52	EW-52	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW53	EW-53	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW54	EW-54	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW55	EW-55	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW56	EW-56	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW57	EW-57	Old Hill Extraction Well	Yes	Interior	0.75 hour

Device Name	Alias	Description	Active	Location	Downtime (hours)
TOTIEW58	EW-58	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW59	EW-59	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW60	EW-60	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW61	EW-61	Old Hill Extraction Well	No	Interior	shut off 5.16
TOTIEW62	EW-62	Old Hill Extraction Well	No	Interior	shut off 5.16
TOTIEW63	EW-63	Old Hill Extraction Well	No	Interior	shut off 5.16
TOTIEW64	EW-64	Old Hill Extraction Well	No	Interior	shut off 5.16
Out of Waste Extraction Wells					
TOTIOW01	OW-01	Out of Waste-NW of Old Hill	Yes	Exterior	none
TOTIOW02	OW-02	Out of Waste-NW of Old Hill	Yes	Exterior	none
TOTIOW03	OW-03	Out of Waste-NW of Old Hill	Yes	Exterior	none
TOTIOW04	OW-04	Out of Waste-NW of Old Hill	Yes	Exterior	none
TOTIOW05	OW-05	Out of Waste-NW of Old Hill	Yes	Exterior	none
TOTIOW06	OW-06	Out of Waste-NW of Old Hill	Yes	Exterior	none
TOTIOW07	OW-07	Out of Waste-NW of Old Hill	Yes	Exterior	none
TOTIOW08	OW-08	Out of Waste-NW of Old Hill	Yes	Exterior	none
TOTIOW09	OW-09	Out of Waste-NW of Old Hill	Yes	Exterior	none
TOTIOW10	OW-10	Out of Waste-NW of Old Hill	Yes	Exterior	none
TOTIOW11	OW-11	Not Active - Old Stuttz Well	No	Exterior	shut off 5.15
TONOW11A	OW-11A	Out of Waste-E of Old Hill	Yes	Exterior	none
TONOOW12	OW-12	Out of Waste-E of Old Hill	Yes	Exterior	none
TONOW12A	OW-12A	Out of Waste-E of Old Hill	Yes	Exterior	none
TONOW13	OW-13	Out of Waste-E of Old Hill	Yes	Exterior	none
TONOW13A	OW-13A	Out of Waste-E of Old Hill	Yes	Exterior	none
TONOOW14	OW-14	Out of Waste-E of Old Hill	Yes	Exterior	none
TONOW14A	OW-14A	Out of Waste-E of Old Hill	Yes	Exterior	none
TONOW16A	OW-16A	Out of Waste-SE of Old Hill	No	Exterior	none
TONOOW17	OW-17	Out of Waste-SE of Old Hill	No	Exterior	none
TONOOW18	OW-18	Out of Waste-SE of Old Hill	No	Exterior	none
TOTIOW19	OW-19	Out of Waste-NW of Old Hill	Yes	Exterior	none
TOTIOW20	OW-20	Out of Waste-NW of Old Hill	Yes	Exterior	none
TOTIOW21	OW-21	Out of Waste-NW of Old Hill	Yes	Exterior	none
TOTIOW22	OW-22	Out of Waste-NW of Old Hill	Yes	Exterior	removed for cell construction 2020
TOTIOW23	OW-23	Out of Waste-NW of Old Hill	Yes	Exterior	removed for cell construction 2020
TONOOW27	OW-27	Out of Waste-E of Old Hill	Yes	Exterior	none
TONOOW28	OW-28	Out of Waste-E of Old Hill	Yes	Exterior	none
TONOOW29	OW-29	Out of Waste-E of Old Hill	Yes	Exterior	none
Nature and Extent Gas Wells					
TTOWNE1A	NE-1A	Out of Waste - surrounds NE-1	Yes	Exterior	none
TTOWNE1B	NE-1B	Out of Waste - surrounds NE-1	Yes	Exterior	none
N/A	NE-4-EW-08	Out of Waste - surrounds NE-4	Yes	Exterior	none
N/A	NE-4-EW-09	Out of Waste - surrounds NE-4	Yes	Exterior	none
N/A	NE-4-EW-10	Out of Waste - surrounds NE-4	Yes	Exterior	none
N/A	NE-5-EW-15	Out of Waste - surrounds NE-5	No	Exterior	none
N/A	NE-5-EW-16	Out of Waste - surrounds NE-5	No	Exterior	none
N/A	NE-5-EW-17	Out of Waste - surrounds NE-5	No	Exterior	none
N/A	NE-5-EW-18	Out of Waste - surrounds NE-5	No	Exterior	none
N/A	GP-1-EW-01	Out of Waste - surrounds GP-01	No	Exterior	removed 2015
N/A	GP-1-EW-02	Out of Waste - surrounds GP-01	No	Exterior	shut off 2006
N/A	GP-1-EW-03	Out of Waste - surrounds GP-01	No	Exterior	shut off 2006
N/A	GP-1-EW-04	Out of Waste - surrounds GP-01	No	Exterior	removed 2015
TT1NEW05	MW-1N-EW-05	Out of Waste - surrounds MW-1N	No	Exterior	removed 2015
TT1NEW06	MW-1N-EW-06	Out of Waste - surrounds MW-1N	No	Exterior	removed 2015
TT1NEW07	MW-1N-EW-07	Out of Waste - surrounds MW-1N	No	Exterior	removed 2015
TT7NEW11	MW-7N-EW-11	Out of Waste - surrounds MW-7N	Yes	Exterior	none

Device Name	Alias	Description	Active	Location	Downtime (hours)
TT7NEW12	MW-7N-EW-12	Out of Waste - surrounds MW-7N	Yes	Exterior	none
TT7NEW13	MW-7N-EW-13	Out of Waste - surrounds MW-7N	Yes	Exterior	none
TT7NEW14	MW-7N-EW-14	Out of Waste - surrounds MW-7N	Yes	Exterior	none
TT7NEW19	MW-7N-EW-19	Out of Waste - surrounds MW-7N	Yes	Exterior	none
TT7NEW20	MW-7N-EW-20	Out of Waste - surrounds MW-7N	Yes	Exterior	none
TT7NEW21	MW-7N-EW-21	Out of Waste - surrounds MW-7N	Yes	Exterior	none
TT7NEW22	MW-7N-EW-22	Out of Waste - surrounds MW-7N	Yes	Exterior	none
TT7NEW23	MW-7N-EW-23	Out of Waste - surrounds MW-7N	Yes	Exterior	none
TT7NEW24	MW-7N-EW-24	Out of Waste - surrounds MW-7N	Yes	Exterior	none
North Gas Wells (cutoff wells for exceedances in GP-1)					
OW-121	N/A	Out of Waste - north of Cell 10	Yes	Exterior	none
OW-122	N/A	Out of Waste - north of Cell 10	Yes	Exterior	none
OW-123	N/A	Out of Waste - north of Cell 10	Yes	Exterior	none

Downtime:

Blowers (Exterior): none

Well System (Interior): 7.8.23-power outage 0.75 hour

File Path: D:\DROPOBOX (PROMUS ENGINEERING)\PROJECTS\ACTIVE\20130-WNEV-GCCS-COA\DRAWINGS\WNEV-UPDATED SITE PLAN.DWG
 Date: 8/27/2020 10:21 AM
 Last Saved By: JONATHANKING



LEGEND

- EXISTING 10-FT CONTOUR
- EXISTING 2-FT CONTOUR
- EXISTING LFG LATERALS
- PERMITTED LANDFILL BOUNDARY
- CELL BOUNDARY
- PROPERTY BOUNDARY

- NOTE:**
- EXISTING TOPOGRAPHY IS A COMPOSITE OF SURVEY INFORMATION OBTAINED FROM SOUTHERN RESOURCES MAPPING CORPORATION, INC. (SRMCMAPS.COM) BASED ON AERIAL PHOTOGRAMMETRIC DATA COLLECTED ON 12/03/2019, AND SURVEY INFORMATION OBTAINED FROM MASON SURVEYING AND CONSULTING, INC. BASED ON GROUND SURVEYS PROVIDED ON AUGUST 13, 2020.
 - PROPERTY BOUNDARY, WASTE LIMITS, AND DISPOSAL AREAS, WERE OBTAINED FROM CAD FILES PROVIDED BY THE OWNER AND ARE APPROXIMATE.
 - EXISTING GCCS COMPONENTS WERE OBTAINED FROM CAD FILES PROVIDED BY FRANKLIN ENGINEERS AND CONSULTANTS, LLC AND MASON ENGINEERING & CONSULTING, LLC.

REV	DATE	DES. BY	DRA. BY	APPR. BY	DESCRIPTION

PREPARED FOR:

PREPARED BY:

www.promusengineering.com

GENERAL SITE PLAN - 2020

**GCCS SYSTEM CONFIGURATION
ECO VISTA CLASS 1 LANDFILL
TONITOWN, ARKANSAS**

PROJECT NO.: 20130
SHEET NUMBER

1

ATTACHMENT G

Laboratory Analytical Report & Field Forms

Eco-Vista (Tontitown)LF

Sample Delivery Group: L1633864
Samples Received: 07/11/2023
Project Number: 200
Description: Eco-Vista - GW-July
Site: AR03
Report To: Jodi Reynolds
88 Joyce Lane
Russellville, AR 72801

Entire Report Reviewed By:



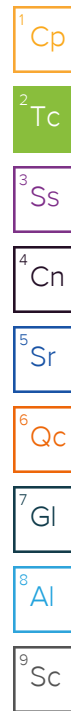
Stacy Kennedy
Project Manager

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 National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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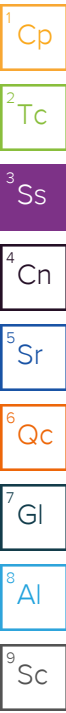


SAMPLE SUMMARY

LGW-7 L1633864-01 GW

Collected by Chris Fincher Collected date/time 07/10/23 10:35 Received date/time 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2094125	1	07/13/23 14:37	07/13/23 16:08	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2093629	1	07/13/23 13:30	07/13/23 13:30	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 12:57	07/12/23 12:57	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092816	1	07/11/23 20:14	07/11/23 20:14	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096705	1	07/18/23 13:10	07/18/23 13:10	JD	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2098147	1	07/21/23 22:16	07/21/23 22:16	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092916	1	07/12/23 01:19	07/12/23 19:18	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092924	1	07/11/23 20:40	07/13/23 23:13	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 01:38	07/12/23 01:38	JAH	Mt. Juliet, TN



MW-19 L1633864-02 GW

Collected by Chris Fincher Collected date/time 07/10/23 17:05 Received date/time 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2094878	1	07/14/23 11:34	07/14/23 12:58	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2093629	1	07/13/23 11:56	07/13/23 11:56	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 12:58	07/12/23 12:58	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092816	5	07/11/23 20:15	07/11/23 20:15	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096705	1	07/18/23 13:20	07/18/23 13:20	JD	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2098123	1	07/20/23 22:20	07/20/23 22:20	SJF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092916	1	07/12/23 01:19	07/12/23 19:21	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092924	1	07/11/23 20:40	07/13/23 23:16	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 01:57	07/12/23 01:57	JAH	Mt. Juliet, TN

MW-16 L1633864-03 GW

Collected by Chris Fincher Collected date/time 07/10/23 16:30 Received date/time 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2094878	1	07/14/23 11:34	07/14/23 12:58	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2093629	1	07/13/23 12:01	07/13/23 12:01	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 13:03	07/12/23 13:03	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092816	1	07/11/23 20:16	07/11/23 20:16	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096705	1	07/18/23 13:30	07/18/23 13:30	JD	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2098123	1	07/20/23 22:33	07/20/23 22:33	SJF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092916	1	07/12/23 01:19	07/12/23 19:24	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092924	1	07/11/23 20:40	07/13/23 23:19	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 02:16	07/12/23 02:16	JAH	Mt. Juliet, TN

MW-15 L1633864-04 GW

Collected by Chris Fincher Collected date/time 07/10/23 15:55 Received date/time 07/11/23 09:00

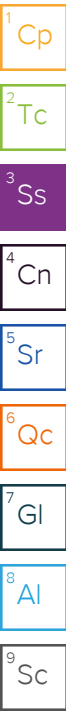
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2094878	1	07/14/23 11:34	07/14/23 12:58	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2093629	1	07/13/23 13:23	07/13/23 13:23	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 13:10	07/12/23 13:10	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092816	1	07/11/23 20:17	07/11/23 20:17	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096705	1	07/18/23 13:40	07/18/23 13:40	JD	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2098277	1	07/20/23 08:44	07/20/23 08:44	SJF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092916	1	07/12/23 01:19	07/12/23 19:26	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092924	1	07/11/23 20:40	07/13/23 23:23	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 02:34	07/12/23 02:34	JAH	Mt. Juliet, TN

SAMPLE SUMMARY

LGW-2 L1633864-05 GW

Collected by: Chris Fincher
 Collected date/time: 07/10/23 15:25
 Received date/time: 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2094125	1	07/13/23 14:37	07/13/23 16:08	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2093629	1	07/13/23 13:33	07/13/23 13:33	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 13:12	07/12/23 13:12	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092816	1	07/11/23 20:19	07/11/23 20:19	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096705	1	07/18/23 14:11	07/18/23 14:11	JD	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2098277	1	07/20/23 09:34	07/20/23 09:34	SJF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092916	1	07/12/23 01:19	07/12/23 19:29	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092924	1	07/11/23 20:40	07/14/23 15:24	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 02:53	07/12/23 02:53	JAH	Mt. Juliet, TN



LGW-3R L1633864-06 GW

Collected by: Chris Fincher
 Collected date/time: 07/10/23 08:30
 Received date/time: 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2093592	1	07/13/23 09:06	07/13/23 10:05	ARD	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2093629	1	07/13/23 13:40	07/13/23 13:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 13:13	07/12/23 13:13	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092816	1	07/11/23 20:20	07/11/23 20:20	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096705	1	07/18/23 14:20	07/18/23 14:20	JD	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2099016	1	07/21/23 18:46	07/21/23 18:46	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092916	1	07/12/23 01:19	07/12/23 19:32	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092924	1	07/11/23 20:40	07/14/23 15:28	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 03:11	07/12/23 03:11	JAH	Mt. Juliet, TN

LGW-4 L1633864-07 GW

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2093592	1	07/13/23 09:06	07/13/23 10:05	ARD	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2095978	1	07/17/23 10:51	07/17/23 10:51	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 13:15	07/12/23 13:15	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092816	1	07/11/23 20:21	07/11/23 20:21	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096705	1	07/18/23 14:30	07/18/23 14:30	JD	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2099016	1	07/21/23 19:41	07/21/23 19:41	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092916	1	07/12/23 01:19	07/12/23 19:35	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092924	1	07/11/23 20:40	07/14/23 15:31	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 03:30	07/12/23 03:30	JAH	Mt. Juliet, TN

LGW-5 L1633864-08 GW

Collected by: Chris Fincher
 Collected date/time: 07/10/23 09:45
 Received date/time: 07/11/23 09:00

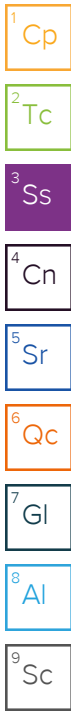
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2094125	1	07/13/23 14:37	07/13/23 16:08	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2095978	1	07/17/23 10:55	07/17/23 10:55	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 13:16	07/12/23 13:16	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092816	1	07/11/23 20:23	07/11/23 20:23	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096705	1	07/18/23 14:40	07/18/23 14:40	JD	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2099016	1	07/21/23 20:07	07/21/23 20:07	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092916	1	07/12/23 01:19	07/12/23 19:37	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092924	1	07/11/23 20:40	07/14/23 15:35	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 03:48	07/12/23 03:48	JAH	Mt. Juliet, TN

SAMPLE SUMMARY

LGW-6 L1633864-09 GW

Collected by: Chris Fincher
 Collected date/time: 07/10/23 12:35
 Received date/time: 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2094125	1	07/13/23 14:37	07/13/23 16:08	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2095978	1	07/17/23 10:59	07/17/23 10:59	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 13:18	07/12/23 13:18	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092816	1	07/11/23 20:32	07/11/23 20:32	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096705	1	07/18/23 14:50	07/18/23 14:50	JD	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2099016	1	07/21/23 20:20	07/21/23 20:20	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092916	1	07/12/23 01:19	07/12/23 19:40	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092916	5	07/12/23 01:19	07/13/23 18:44	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092924	1	07/11/23 20:40	07/14/23 15:38	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 04:07	07/12/23 04:07	JAH	Mt. Juliet, TN



LGW-8R L1633864-10 GW

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2094232	1	07/13/23 12:18	07/13/23 13:00	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2095978	1	07/17/23 11:33	07/17/23 11:33	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 13:19	07/12/23 13:19	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092816	1	07/11/23 20:33	07/11/23 20:33	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096705	1	07/18/23 15:00	07/18/23 15:00	JD	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2099016	1	07/21/23 20:33	07/21/23 20:33	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092916	1	07/12/23 01:19	07/12/23 19:43	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092924	1	07/11/23 20:40	07/14/23 15:41	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 04:25	07/12/23 04:25	JAH	Mt. Juliet, TN

LGW-9 L1633864-11 GW

Collected by: Chris Fincher
 Collected date/time: 07/10/23 13:55
 Received date/time: 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2094232	1	07/13/23 12:18	07/13/23 13:00	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2095978	1	07/17/23 11:37	07/17/23 11:37	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 13:21	07/12/23 13:21	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092816	1	07/11/23 20:34	07/11/23 20:34	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096705	1	07/18/23 15:10	07/18/23 15:10	JD	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2099016	1	07/21/23 20:46	07/21/23 20:46	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092916	1	07/12/23 01:19	07/12/23 19:51	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092924	1	07/11/23 20:40	07/14/23 15:45	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 04:44	07/12/23 04:44	JAH	Mt. Juliet, TN

LGW-10 L1633864-12 GW

Collected by: Chris Fincher
 Collected date/time: 07/10/23 14:30
 Received date/time: 07/11/23 09:00

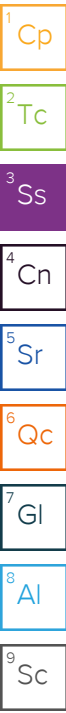
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2094232	1	07/13/23 12:18	07/13/23 13:00	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2095978	1	07/17/23 11:40	07/17/23 11:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 13:22	07/12/23 13:22	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092816	1	07/11/23 20:35	07/11/23 20:35	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096724	1	07/18/23 12:20	07/18/23 12:20	KMC	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2099016	1	07/21/23 21:33	07/21/23 21:33	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092916	1	07/12/23 01:19	07/12/23 19:54	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092924	1	07/11/23 20:40	07/14/23 15:48	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 06:46	07/12/23 06:46	JAH	Mt. Juliet, TN

SAMPLE SUMMARY

LGW-14R L1633864-13 GW

Collected by: Chris Fincher
 Collected date/time: 07/10/23 13:20
 Received date/time: 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2094232	1	07/13/23 12:18	07/13/23 13:00	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2095978	1	07/17/23 11:44	07/17/23 11:44	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 13:30	07/12/23 13:30	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092816	1	07/11/23 20:37	07/11/23 20:37	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096724	1	07/18/23 13:28	07/18/23 13:28	KMC	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2099016	1	07/21/23 21:45	07/21/23 21:45	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092916	1	07/12/23 01:19	07/12/23 19:57	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092924	1	07/11/23 20:40	07/14/23 15:51	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 07:04	07/12/23 07:04	JAH	Mt. Juliet, TN



DUP-1 L1633864-14 GW

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

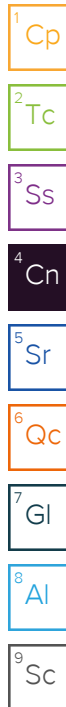
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2093592	1	07/13/23 09:06	07/13/23 10:05	ARD	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2095978	1	07/17/23 11:48	07/17/23 11:48	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 13:33	07/12/23 13:33	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092816	1	07/11/23 20:38	07/11/23 20:38	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096724	1	07/18/23 14:19	07/18/23 14:19	KMC	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2099016	1	07/21/23 21:58	07/21/23 21:58	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092916	1	07/12/23 01:19	07/12/23 19:59	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092916	5	07/12/23 01:19	07/13/23 18:47	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092924	1	07/11/23 20:40	07/14/23 15:55	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093479	1	07/12/23 16:12	07/12/23 16:12	DWR	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.

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
WG2094125	(DUP) R3949273-4	Dissolved Solids
WG2094232	(DUP) R3949810-4	Dissolved Solids
WG2094878	(DUP) R3949943-4, L1633864-02	Dissolved Solids

Wet Chemistry by Method 350.1

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

Batch	Lab Sample ID	Analytes
WG2092799	(DUP) R3947829-7, L1633864-13	Ammonia Nitrogen

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2096705	(MSD) R3949944-5	Chloride

Metals (ICP) by Method 6010B

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

Batch	Lab Sample ID	Analytes
WG2092916	(MS) R3948019-4, (MSD) R3948019-5	Calcium, Total Recoverable and Sodium, Total Recoverable

CASE NARRATIVE

Metals (ICPMS) by Method 6020

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2092924	Zinc, Total Recoverable	L1633864-01, 02, 03, 04, 05, 06, 07, 08, 10, 12, 13

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

Batch	Lab Sample ID	Analytes
WG2092924	(MS) R3948842-4, (MSD) R3948842-5	Zinc, 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
WG2093479	(LCS) R3948671-1, L1633864-14	Vinyl acetate

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

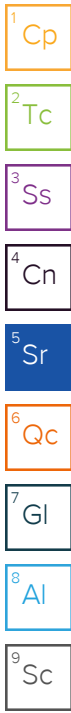
7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.4	su
Specific Conductance (on site)	669	umhos/cm
Temperature (on-site)	19	Deg. C
Turbidity (on-site)	3.8	NTU
Dissolved Oxygen (on-site)	1.8	mg/l
eH/ORP (On Site)	179.2	mV
Depth to water (DTW) (FROM TOC)	43.17	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	353		10.0	1	07/13/2023 16:08	WG2094125

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	299		10.0	1	07/13/2023 13:30	WG2093629
Alkalinity,Bicarbonate	299		10.0	1	07/13/2023 13:30	WG2093629
Alkalinity,Carbonate	ND		10.0	1	07/13/2023 13:30	WG2093629

Sample Narrative:

L1633864-01 WG2093629: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 12:57	WG2092799

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.70		0.100	1	07/11/2023 20:14	WG2092816

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	17.3		3.00	1	07/18/2023 13:10	WG2096705
Sulfate	ND		5.00	1	07/18/2023 13:10	WG2096705

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	1.73		1.00	1	07/21/2023 22:16	WG2098147

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/12/2023 19:18	WG2092916
Barium, Total Recoverable	0.0636		0.00500	1	07/12/2023 19:18	WG2092916
Calcium, Total Recoverable	122		0.200	1	07/12/2023 19:18	WG2092916
Iron, Total Recoverable	ND		0.0600	1	07/12/2023 19:18	WG2092916
Potassium, Total Recoverable	ND		3.00	1	07/12/2023 19:18	WG2092916

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	2.67		0.200	1	07/12/2023 19:18	WG2092916
Manganese, Total Recoverable	0.127		0.00300	1	07/12/2023 19:18	WG2092916
Sodium, Total Recoverable	7.98		5.00	1	07/12/2023 19:18	WG2092916
Lead, Total Recoverable	ND		0.00500	1	07/12/2023 19:18	WG2092916
Selenium, Total Recoverable	ND		0.0100	1	07/12/2023 19:18	WG2092916

1 Cp

2 Tc

3 Ss

4 Cn

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	07/13/2023 23:13	WG2092924
Beryllium, Total Recoverable	ND		0.00100	1	07/13/2023 23:13	WG2092924
Cadmium, Total Recoverable	ND		0.00100	1	07/13/2023 23:13	WG2092924
Cobalt, Total Recoverable	ND		0.00300	1	07/13/2023 23:13	WG2092924
Chromium, Total Recoverable	ND		0.00300	1	07/13/2023 23:13	WG2092924
Copper, Total Recoverable	ND		0.00400	1	07/13/2023 23:13	WG2092924
Nickel, Total Recoverable	ND		0.00400	1	07/13/2023 23:13	WG2092924
Antimony, Total Recoverable	ND		0.00200	1	07/13/2023 23:13	WG2092924
Thallium, Total Recoverable	ND		0.00100	1	07/13/2023 23:13	WG2092924
Vanadium, Total Recoverable	ND		0.00300	1	07/13/2023 23:13	WG2092924
Zinc, Total Recoverable	0.0445	<u>B</u>	0.00500	1	07/13/2023 23:13	WG2092924

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	07/12/2023 01:38	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 01:38	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 01:38	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 01:38	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 01:38	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 01:38	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 01:38	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 01:38	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 01:38	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 01:38	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 01:38	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 01:38	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 01:38	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 01:38	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 01:38	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 01:38	WG2093044
Acetone	ND		10.0	1	07/12/2023 01:38	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 01:38	WG2093044
Benzene	ND		1.00	1	07/12/2023 01:38	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 01:38	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 01:38	WG2093044
Bromoform	ND		1.00	1	07/12/2023 01:38	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 01:38	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 01:38	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 01:38	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 01:38	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 01:38	WG2093044
Chloroform	ND		1.00	1	07/12/2023 01:38	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 01:38	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 01:38	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 01:38	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 01:38	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 01:38	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 01:38	WG2093044
Styrene	ND		1.00	1	07/12/2023 01:38	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 01:38	WG2093044
Toluene	ND		1.00	1	07/12/2023 01:38	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 01:38	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 01:38	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 01:38	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 01:38	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 01:38	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 01:38	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 01:38	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 01:38	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 01:38	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 01:38	WG2093044
(S) 1,2-Dichloroethane-d4	105			70.0-130	07/12/2023 01:38	WG2093044
(S) 4-Bromofluorobenzene	98.5			77.0-126	07/12/2023 01:38	WG2093044
(S) Toluene-d8	104			80.0-120	07/12/2023 01:38	WG2093044

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

Analyte	Result	Units
pH (On Site)	7.64	su
Specific Conductance (on site)	293	umhos/cm
Temperature (on-site)	20.8	Deg. C
Turbidity (on-site)	3	NTU
Dissolved Oxygen (on-site)	6.7	mg/l
eH/ORP (On Site)	141.1	mV
Depth to water (DTW) (FROM TOC)	68.15	ft

- 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 date / time	Batch
Dissolved Solids	184	J3	10.0	1	07/14/2023 12:58	WG2094878

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	92.4		10.0	1	07/13/2023 11:56	WG2093629
Alkalinity,Bicarbonate	92.4		10.0	1	07/13/2023 11:56	WG2093629
Alkalinity,Carbonate	ND		10.0	1	07/13/2023 11:56	WG2093629

Sample Narrative:

L1633864-02 WG2093629: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 12:58	WG2092799

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	5.20		0.100	5	07/11/2023 20:15	WG2092816

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	7.75		3.00	1	07/18/2023 13:20	WG2096705
Sulfate	5.47		5.00	1	07/18/2023 13:20	WG2096705

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	ND		1.00	1	07/20/2023 22:20	WG2098123

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/12/2023 19:21	WG2092916
Barium,Total Recoverable	0.0221		0.00500	1	07/12/2023 19:21	WG2092916
Calcium, Total Recoverable	41.0		0.200	1	07/12/2023 19:21	WG2092916
Iron, Total Recoverable	ND		0.0600	1	07/12/2023 19:21	WG2092916
Potassium, Total Recoverable	ND		3.00	1	07/12/2023 19:21	WG2092916

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	1.54		0.200	1	07/12/2023 19:21	WG2092916
Manganese, Total Recoverable	ND		0.00300	1	07/12/2023 19:21	WG2092916
Sodium, Total Recoverable	6.60		5.00	1	07/12/2023 19:21	WG2092916
Lead, Total Recoverable	ND		0.00500	1	07/12/2023 19:21	WG2092916
Selenium, Total Recoverable	ND		0.0100	1	07/12/2023 19:21	WG2092916

1 Cp

2 Tc

3 Ss

4 Cn

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	07/13/2023 23:16	WG2092924
Beryllium, Total Recoverable	ND		0.00100	1	07/13/2023 23:16	WG2092924
Cadmium, Total Recoverable	ND		0.00100	1	07/13/2023 23:16	WG2092924
Cobalt, Total Recoverable	ND		0.00300	1	07/13/2023 23:16	WG2092924
Chromium, Total Recoverable	ND		0.00300	1	07/13/2023 23:16	WG2092924
Copper, Total Recoverable	ND		0.00400	1	07/13/2023 23:16	WG2092924
Nickel, Total Recoverable	ND		0.00400	1	07/13/2023 23:16	WG2092924
Antimony, Total Recoverable	ND		0.00200	1	07/13/2023 23:16	WG2092924
Thallium, Total Recoverable	ND		0.00100	1	07/13/2023 23:16	WG2092924
Vanadium, Total Recoverable	ND		0.00300	1	07/13/2023 23:16	WG2092924
Zinc, Total Recoverable	0.00588	<u>B J</u>	0.00500	1	07/13/2023 23:16	WG2092924

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	07/12/2023 01:57	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 01:57	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 01:57	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 01:57	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 01:57	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 01:57	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 01:57	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 01:57	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 01:57	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 01:57	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 01:57	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 01:57	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 01:57	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 01:57	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 01:57	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 01:57	WG2093044
Acetone	ND		10.0	1	07/12/2023 01:57	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 01:57	WG2093044
Benzene	ND		1.00	1	07/12/2023 01:57	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 01:57	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 01:57	WG2093044
Bromoform	ND		1.00	1	07/12/2023 01:57	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 01:57	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 01:57	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 01:57	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 01:57	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 01:57	WG2093044
Chloroform	ND		1.00	1	07/12/2023 01:57	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 01:57	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 01:57	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 01:57	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 01:57	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 01:57	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 01:57	WG2093044
Styrene	ND		1.00	1	07/12/2023 01:57	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 01:57	WG2093044
Toluene	ND		1.00	1	07/12/2023 01:57	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 01:57	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 01:57	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 01:57	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 01:57	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 01:57	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 01:57	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 01:57	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 01:57	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 01:57	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 01:57	WG2093044
(S) 1,2-Dichloroethane-d4	101			70.0-130	07/12/2023 01:57	WG2093044
(S) 4-Bromofluorobenzene	92.3			77.0-126	07/12/2023 01:57	WG2093044
(S) Toluene-d8	106			80.0-120	07/12/2023 01:57	WG2093044

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

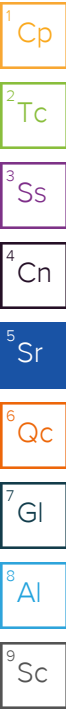
7
Gl

8
Al

9
Sc

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

Analyte	Result	Units
pH (On Site)	7.04	su
Specific Conductance (on site)	380	umhos/cm
Temperature (on-site)	19.3	Deg. C
Turbidity (on-site)	4	NTU
Dissolved Oxygen (on-site)	6.6	mg/l
eH/ORP (On Site)	148.6	mV
Depth to water (DTW) (FROM TOC)	73.34	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	215		10.0	1	07/14/2023 12:58	WG2094878

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	170		10.0	1	07/13/2023 12:01	WG2093629
Alkalinity,Bicarbonate	170		10.0	1	07/13/2023 12:01	WG2093629
Alkalinity,Carbonate	ND		10.0	1	07/13/2023 12:01	WG2093629

Sample Narrative:

L1633864-03 WG2093629: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 13:03	WG2092799

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.210		0.100	1	07/11/2023 20:16	WG2092816

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	4.08		3.00	1	07/18/2023 13:30	WG2096705
Sulfate	ND		5.00	1	07/18/2023 13:30	WG2096705

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	ND		1.00	1	07/20/2023 22:33	WG2098123

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/12/2023 19:24	WG2092916
Barium, Total Recoverable	0.0327		0.00500	1	07/12/2023 19:24	WG2092916
Calcium, Total Recoverable	65.9		0.200	1	07/12/2023 19:24	WG2092916
Iron, Total Recoverable	ND		0.0600	1	07/12/2023 19:24	WG2092916
Potassium, Total Recoverable	ND		3.00	1	07/12/2023 19:24	WG2092916

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	1.23		0.200	1	07/12/2023 19:24	WG2092916
Manganese, Total Recoverable	ND		0.00300	1	07/12/2023 19:24	WG2092916
Sodium, Total Recoverable	ND		5.00	1	07/12/2023 19:24	WG2092916
Lead, Total Recoverable	ND		0.00500	1	07/12/2023 19:24	WG2092916
Selenium, Total Recoverable	ND		0.0100	1	07/12/2023 19:24	WG2092916

1 Cp

2 Tc

3 Ss

4 Cn

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	07/13/2023 23:19	WG2092924
Beryllium, Total Recoverable	ND		0.00100	1	07/13/2023 23:19	WG2092924
Cadmium, Total Recoverable	ND		0.00100	1	07/13/2023 23:19	WG2092924
Cobalt, Total Recoverable	ND		0.00300	1	07/13/2023 23:19	WG2092924
Chromium, Total Recoverable	ND		0.00300	1	07/13/2023 23:19	WG2092924
Copper, Total Recoverable	ND		0.00400	1	07/13/2023 23:19	WG2092924
Nickel, Total Recoverable	ND		0.00400	1	07/13/2023 23:19	WG2092924
Antimony, Total Recoverable	ND		0.00200	1	07/13/2023 23:19	WG2092924
Thallium, Total Recoverable	ND		0.00100	1	07/13/2023 23:19	WG2092924
Vanadium, Total Recoverable	ND		0.00300	1	07/13/2023 23:19	WG2092924
Zinc, Total Recoverable	0.00831	<u>B J</u>	0.00500	1	07/13/2023 23:19	WG2092924

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	07/12/2023 02:16	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 02:16	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 02:16	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 02:16	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 02:16	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 02:16	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 02:16	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 02:16	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 02:16	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 02:16	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 02:16	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 02:16	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 02:16	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 02:16	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 02:16	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 02:16	WG2093044
Acetone	ND		10.0	1	07/12/2023 02:16	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 02:16	WG2093044
Benzene	ND		1.00	1	07/12/2023 02:16	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 02:16	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 02:16	WG2093044
Bromoform	ND		1.00	1	07/12/2023 02:16	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 02:16	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 02:16	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 02:16	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 02:16	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 02:16	WG2093044
Chloroform	ND		1.00	1	07/12/2023 02:16	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 02:16	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 02:16	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 02:16	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 02:16	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 02:16	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 02:16	WG2093044
Styrene	ND		1.00	1	07/12/2023 02:16	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 02:16	WG2093044
Toluene	ND		1.00	1	07/12/2023 02:16	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 02:16	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 02:16	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 02:16	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 02:16	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 02:16	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 02:16	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 02:16	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 02:16	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 02:16	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 02:16	WG2093044
(S) 1,2-Dichloroethane-d4	103			70.0-130	07/12/2023 02:16	WG2093044
(S) 4-Bromofluorobenzene	97.6			77.0-126	07/12/2023 02:16	WG2093044
(S) Toluene-d8	104			80.0-120	07/12/2023 02:16	WG2093044

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)	6.23	su
Specific Conductance (on site)	581	umhos/cm
Temperature (on-site)	17.5	Deg. C
Turbidity (on-site)	4.2	NTU
Dissolved Oxygen (on-site)	5.6	mg/l
eH/ORP (On Site)	178.1	mV
Depth to water (DTW) (FROM TOC)	58.58	ft

- 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 date / time	Batch
Dissolved Solids	310		10.0	1	07/14/2023 12:58	WG2094878

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	194		10.0	1	07/13/2023 13:23	WG2093629
Alkalinity,Bicarbonate	194		10.0	1	07/13/2023 13:23	WG2093629
Alkalinity,Carbonate	ND		10.0	1	07/13/2023 13:23	WG2093629

Sample Narrative:

L1633864-04 WG2093629: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 13:10	WG2092799

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.81		0.100	1	07/11/2023 20:17	WG2092816

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	35.7		3.00	1	07/18/2023 13:40	WG2096705
Sulfate	11.3		5.00	1	07/18/2023 13:40	WG2096705

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	3.84		1.00	1	07/20/2023 08:44	WG2098277

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/12/2023 19:26	WG2092916
Barium,Total Recoverable	0.0242		0.00500	1	07/12/2023 19:26	WG2092916
Calcium, Total Recoverable	74.3		0.200	1	07/12/2023 19:26	WG2092916
Iron, Total Recoverable	ND		0.0600	1	07/12/2023 19:26	WG2092916
Potassium, Total Recoverable	ND		3.00	1	07/12/2023 19:26	WG2092916

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	4.33		0.200	1	07/12/2023 19:26	WG2092916
Manganese, Total Recoverable	0.00354	J	0.00300	1	07/12/2023 19:26	WG2092916
Sodium, Total Recoverable	29.7		5.00	1	07/12/2023 19:26	WG2092916
Lead, Total Recoverable	ND		0.00500	1	07/12/2023 19:26	WG2092916
Selenium, Total Recoverable	ND		0.0100	1	07/12/2023 19:26	WG2092916



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	07/13/2023 23:23	WG2092924
Beryllium, Total Recoverable	ND		0.00100	1	07/13/2023 23:23	WG2092924
Cadmium, Total Recoverable	ND		0.00100	1	07/13/2023 23:23	WG2092924
Cobalt, Total Recoverable	ND		0.00300	1	07/13/2023 23:23	WG2092924
Chromium, Total Recoverable	ND		0.00300	1	07/13/2023 23:23	WG2092924
Copper, Total Recoverable	ND		0.00400	1	07/13/2023 23:23	WG2092924
Nickel, Total Recoverable	ND		0.00400	1	07/13/2023 23:23	WG2092924
Antimony, Total Recoverable	ND		0.00200	1	07/13/2023 23:23	WG2092924
Thallium, Total Recoverable	ND		0.00100	1	07/13/2023 23:23	WG2092924
Vanadium, Total Recoverable	ND		0.00300	1	07/13/2023 23:23	WG2092924
Zinc, Total Recoverable	0.00643	B J	0.00500	1	07/13/2023 23:23	WG2092924

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	07/12/2023 02:34	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 02:34	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 02:34	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 02:34	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 02:34	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 02:34	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 02:34	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 02:34	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 02:34	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 02:34	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 02:34	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 02:34	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 02:34	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 02:34	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 02:34	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 02:34	WG2093044
Acetone	ND		10.0	1	07/12/2023 02:34	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 02:34	WG2093044
Benzene	ND		1.00	1	07/12/2023 02:34	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 02:34	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 02:34	WG2093044
Bromoform	ND		1.00	1	07/12/2023 02:34	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 02:34	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 02:34	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 02:34	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 02:34	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 02:34	WG2093044
Chloroform	ND		1.00	1	07/12/2023 02:34	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 02:34	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 02:34	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 02:34	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 02:34	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 02:34	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 02:34	WG2093044
Styrene	ND		1.00	1	07/12/2023 02:34	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 02:34	WG2093044
Toluene	ND		1.00	1	07/12/2023 02:34	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 02:34	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 02:34	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 02:34	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 02:34	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 02:34	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 02:34	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 02:34	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 02:34	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 02:34	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 02:34	WG2093044
(S) 1,2-Dichloroethane-d4	106			70.0-130	07/12/2023 02:34	WG2093044
(S) 4-Bromofluorobenzene	98.3			77.0-126	07/12/2023 02:34	WG2093044
(S) Toluene-d8	102			80.0-120	07/12/2023 02:34	WG2093044

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	7.24	su
Specific Conductance (on site)	632	umhos/cm
Temperature (on-site)	19.7	Deg. C
Turbidity (on-site)	4.5	NTU
Dissolved Oxygen (on-site)	5.8	mg/l
eH/ORP (On Site)	157.6	mV
Depth to water (DTW) (FROM TOC)	72.17	ft

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 date / time	Batch
Dissolved Solids	322		10.0	1	07/13/2023 16:08	WG2094125

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	286		10.0	1	07/13/2023 13:33	WG2093629
Alkalinity,Bicarbonate	286		10.0	1	07/13/2023 13:33	WG2093629
Alkalinity,Carbonate	ND		10.0	1	07/13/2023 13:33	WG2093629

Sample Narrative:

L1633864-05 WG2093629: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 13:12	WG2092799

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.23		0.100	1	07/11/2023 20:19	WG2092816

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	10.2		3.00	1	07/18/2023 14:11	WG2096705
Sulfate	ND		5.00	1	07/18/2023 14:11	WG2096705

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	2.54		1.00	1	07/20/2023 09:34	WG2098277

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/12/2023 19:29	WG2092916
Barium, Total Recoverable	0.0741		0.00500	1	07/12/2023 19:29	WG2092916
Calcium, Total Recoverable	114		0.200	1	07/12/2023 19:29	WG2092916
Iron, Total Recoverable	ND		0.0600	1	07/12/2023 19:29	WG2092916
Potassium, Total Recoverable	ND		3.00	1	07/12/2023 19:29	WG2092916

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	1.01		0.200	1	07/12/2023 19:29	WG2092916
Manganese, Total Recoverable	ND		0.00300	1	07/12/2023 19:29	WG2092916
Sodium, Total Recoverable	11.1		5.00	1	07/12/2023 19:29	WG2092916
Lead, Total Recoverable	ND		0.00500	1	07/12/2023 19:29	WG2092916
Selenium, Total Recoverable	ND		0.0100	1	07/12/2023 19:29	WG2092916

1 Cp

2 Tc

3 Ss

4 Cn

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	07/14/2023 15:24	WG2092924
Beryllium, Total Recoverable	ND		0.00100	1	07/14/2023 15:24	WG2092924
Cadmium, Total Recoverable	ND		0.00100	1	07/14/2023 15:24	WG2092924
Cobalt, Total Recoverable	ND		0.00300	1	07/14/2023 15:24	WG2092924
Chromium, Total Recoverable	ND		0.00300	1	07/14/2023 15:24	WG2092924
Copper, Total Recoverable	ND		0.00400	1	07/14/2023 15:24	WG2092924
Nickel, Total Recoverable	ND		0.00400	1	07/14/2023 15:24	WG2092924
Antimony, Total Recoverable	ND		0.00200	1	07/14/2023 15:24	WG2092924
Thallium, Total Recoverable	ND		0.00100	1	07/14/2023 15:24	WG2092924
Vanadium, Total Recoverable	ND		0.00300	1	07/14/2023 15:24	WG2092924
Zinc, Total Recoverable	0.00697	<u>B J</u>	0.00500	1	07/14/2023 15:24	WG2092924

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	07/12/2023 02:53	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 02:53	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 02:53	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 02:53	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 02:53	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 02:53	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 02:53	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 02:53	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 02:53	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 02:53	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 02:53	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 02:53	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 02:53	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 02:53	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 02:53	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 02:53	WG2093044
Acetone	ND		10.0	1	07/12/2023 02:53	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 02:53	WG2093044
Benzene	ND		1.00	1	07/12/2023 02:53	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 02:53	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 02:53	WG2093044
Bromoform	ND		1.00	1	07/12/2023 02:53	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 02:53	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 02:53	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 02:53	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 02:53	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 02:53	WG2093044
Chloroform	ND		1.00	1	07/12/2023 02:53	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 02:53	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 02:53	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 02:53	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 02:53	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 02:53	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 02:53	WG2093044
Styrene	ND		1.00	1	07/12/2023 02:53	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 02:53	WG2093044
Toluene	ND		1.00	1	07/12/2023 02:53	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 02:53	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 02:53	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 02:53	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 02:53	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 02:53	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 02:53	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 02:53	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 02:53	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 02:53	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 02:53	WG2093044
(S) 1,2-Dichloroethane-d4	105			70.0-130	07/12/2023 02:53	WG2093044
(S) 4-Bromofluorobenzene	96.6			77.0-126	07/12/2023 02:53	WG2093044
(S) Toluene-d8	103			80.0-120	07/12/2023 02:53	WG2093044

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

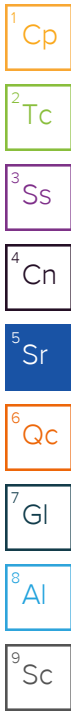
7
Gl

8
Al

9
Sc

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

Analyte	Result	Units
pH (On Site)	4.66	su
Specific Conductance (on site)	102	umhos/cm
Temperature (on-site)	16.7	Deg. C
Turbidity (on-site)	11	NTU
Dissolved Oxygen (on-site)	5.9	mg/l
eH/ORP (On Site)	244.9	mV
Depth to water (DTW) (FROM TOC)	55.19	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	57.0		10.0	1	07/13/2023 10:05	WG2093592

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	24.8		10.0	1	07/13/2023 13:40	WG2093629
Alkalinity,Bicarbonate	24.8		10.0	1	07/13/2023 13:40	WG2093629
Alkalinity,Carbonate	ND		10.0	1	07/13/2023 13:40	WG2093629

Sample Narrative:

L1633864-06 WG2093629: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 13:13	WG2092799

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.70		0.100	1	07/11/2023 20:20	WG2092816

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	5.33		3.00	1	07/18/2023 14:20	WG2096705
Sulfate	ND		5.00	1	07/18/2023 14:20	WG2096705

Wet Chemistry by Method 9060A

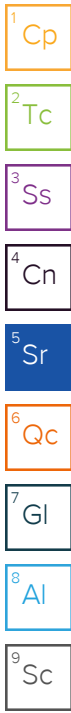
Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	ND		1.00	1	07/21/2023 18:46	WG2099016

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/12/2023 19:32	WG2092916
Barium, Total Recoverable	0.0535		0.00500	1	07/12/2023 19:32	WG2092916
Calcium, Total Recoverable	10.1		0.200	1	07/12/2023 19:32	WG2092916
Iron, Total Recoverable	0.159		0.0600	1	07/12/2023 19:32	WG2092916
Potassium, Total Recoverable	ND		3.00	1	07/12/2023 19:32	WG2092916

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	0.945	J	0.200	1	07/12/2023 19:32	WG2092916
Manganese, Total Recoverable	0.0219		0.00300	1	07/12/2023 19:32	WG2092916
Sodium, Total Recoverable	ND		5.00	1	07/12/2023 19:32	WG2092916
Lead, Total Recoverable	ND		0.00500	1	07/12/2023 19:32	WG2092916
Selenium, Total Recoverable	ND		0.0100	1	07/12/2023 19:32	WG2092916



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	07/14/2023 15:28	WG2092924
Beryllium, Total Recoverable	ND		0.00100	1	07/14/2023 15:28	WG2092924
Cadmium, Total Recoverable	ND		0.00100	1	07/14/2023 15:28	WG2092924
Cobalt, Total Recoverable	ND		0.00300	1	07/14/2023 15:28	WG2092924
Chromium, Total Recoverable	ND		0.00300	1	07/14/2023 15:28	WG2092924
Copper, Total Recoverable	ND		0.00400	1	07/14/2023 15:28	WG2092924
Nickel, Total Recoverable	ND		0.00400	1	07/14/2023 15:28	WG2092924
Antimony, Total Recoverable	ND		0.00200	1	07/14/2023 15:28	WG2092924
Thallium, Total Recoverable	ND		0.00100	1	07/14/2023 15:28	WG2092924
Vanadium, Total Recoverable	ND		0.00300	1	07/14/2023 15:28	WG2092924
Zinc, Total Recoverable	0.00752	B J	0.00500	1	07/14/2023 15:28	WG2092924

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	07/12/2023 03:11	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 03:11	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 03:11	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 03:11	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 03:11	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 03:11	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 03:11	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 03:11	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 03:11	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 03:11	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 03:11	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 03:11	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 03:11	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 03:11	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 03:11	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 03:11	WG2093044
Acetone	ND		10.0	1	07/12/2023 03:11	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 03:11	WG2093044
Benzene	ND		1.00	1	07/12/2023 03:11	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 03:11	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 03:11	WG2093044
Bromoform	ND		1.00	1	07/12/2023 03:11	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 03:11	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 03:11	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 03:11	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 03:11	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 03:11	WG2093044
Chloroform	ND		1.00	1	07/12/2023 03:11	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 03:11	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 03:11	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 03:11	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 03:11	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 03:11	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 03:11	WG2093044
Styrene	ND		1.00	1	07/12/2023 03:11	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 03:11	WG2093044
Toluene	ND		1.00	1	07/12/2023 03:11	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 03:11	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 03:11	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 03:11	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 03:11	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 03:11	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 03:11	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 03:11	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 03:11	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 03:11	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 03:11	WG2093044
(S) 1,2-Dichloroethane-d4	104			70.0-130	07/12/2023 03:11	WG2093044
(S) 4-Bromofluorobenzene	97.0			77.0-126	07/12/2023 03:11	WG2093044
(S) Toluene-d8	103			80.0-120	07/12/2023 03:11	WG2093044

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)	6.16	su
Specific Conductance (on site)	759	umhos/cm
Temperature (on-site)	17.1	Deg. C
Turbidity (on-site)	9.8	NTU
Dissolved Oxygen (on-site)	2.5	mg/l
eH/ORP (On Site)	183.7	mV
Depth to water (DTW) (FROM TOC)	60.44	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	393		10.0	1	07/13/2023 10:05	WG2093592

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	340		10.0	1	07/17/2023 10:51	WG2095978
Alkalinity,Bicarbonate	340		10.0	1	07/17/2023 10:51	WG2095978
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 10:51	WG2095978

Sample Narrative:

L1633864-07 WG2095978: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 13:15	WG2092799

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	2.55		0.100	1	07/11/2023 20:21	WG2092816

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	17.6		3.00	1	07/18/2023 14:30	WG2096705
Sulfate	ND		5.00	1	07/18/2023 14:30	WG2096705

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	1.49		1.00	1	07/21/2023 19:41	WG2099016

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/12/2023 19:35	WG2092916
Barium, Total Recoverable	0.0645		0.00500	1	07/12/2023 19:35	WG2092916
Calcium, Total Recoverable	138		0.200	1	07/12/2023 19:35	WG2092916
Iron, Total Recoverable	ND		0.0600	1	07/12/2023 19:35	WG2092916
Potassium, Total Recoverable	ND		3.00	1	07/12/2023 19:35	WG2092916

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	2.17		0.200	1	07/12/2023 19:35	WG2092916
Manganese, Total Recoverable	0.135		0.00300	1	07/12/2023 19:35	WG2092916
Sodium, Total Recoverable	10.3		5.00	1	07/12/2023 19:35	WG2092916
Lead, Total Recoverable	ND		0.00500	1	07/12/2023 19:35	WG2092916
Selenium, Total Recoverable	ND		0.0100	1	07/12/2023 19:35	WG2092916



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	07/14/2023 15:31	WG2092924
Beryllium, Total Recoverable	ND		0.00100	1	07/14/2023 15:31	WG2092924
Cadmium, Total Recoverable	ND		0.00100	1	07/14/2023 15:31	WG2092924
Cobalt, Total Recoverable	ND		0.00300	1	07/14/2023 15:31	WG2092924
Chromium, Total Recoverable	ND		0.00300	1	07/14/2023 15:31	WG2092924
Copper, Total Recoverable	ND		0.00400	1	07/14/2023 15:31	WG2092924
Nickel, Total Recoverable	ND		0.00400	1	07/14/2023 15:31	WG2092924
Antimony, Total Recoverable	ND		0.00200	1	07/14/2023 15:31	WG2092924
Thallium, Total Recoverable	ND		0.00100	1	07/14/2023 15:31	WG2092924
Vanadium, Total Recoverable	ND		0.00300	1	07/14/2023 15:31	WG2092924
Zinc, Total Recoverable	0.0187	<u>BJ</u>	0.00500	1	07/14/2023 15:31	WG2092924



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	07/12/2023 03:30	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 03:30	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 03:30	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 03:30	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 03:30	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 03:30	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 03:30	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 03:30	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 03:30	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 03:30	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 03:30	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 03:30	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 03:30	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 03:30	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 03:30	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 03:30	WG2093044
Acetone	ND		10.0	1	07/12/2023 03:30	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 03:30	WG2093044
Benzene	ND		1.00	1	07/12/2023 03:30	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 03:30	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 03:30	WG2093044
Bromoform	ND		1.00	1	07/12/2023 03:30	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 03:30	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 03:30	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 03:30	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 03:30	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 03:30	WG2093044
Chloroform	ND		1.00	1	07/12/2023 03:30	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 03:30	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 03:30	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 03:30	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 03:30	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 03:30	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 03:30	WG2093044
Styrene	ND		1.00	1	07/12/2023 03:30	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 03:30	WG2093044
Toluene	ND		1.00	1	07/12/2023 03:30	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 03:30	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 03:30	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 03:30	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 03:30	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 03:30	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 03:30	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 03:30	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 03:30	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 03:30	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 03:30	WG2093044
(S) 1,2-Dichloroethane-d4	104			70.0-130	07/12/2023 03:30	WG2093044
(S) 4-Bromofluorobenzene	93.6			77.0-126	07/12/2023 03:30	WG2093044
(S) Toluene-d8	105			80.0-120	07/12/2023 03:30	WG2093044

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

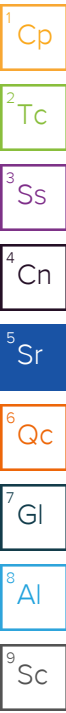
7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.14	su
Specific Conductance (on site)	798	umhos/cm
Temperature (on-site)	20.5	Deg. C
Turbidity (on-site)	3.8	NTU
Dissolved Oxygen (on-site)	1.1	mg/l
eH/ORP (On Site)	192.5	mV
Depth to water (DTW) (FROM TOC)	70.92	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	417		10.0	1	07/13/2023 16:08	WG2094125

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	321		10.0	1	07/17/2023 10:55	WG2095978
Alkalinity,Bicarbonate	321		10.0	1	07/17/2023 10:55	WG2095978
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 10:55	WG2095978

Sample Narrative:

L1633864-08 WG2095978: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.182		0.100	1	07/12/2023 13:16	WG2092799

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/11/2023 20:23	WG2092816

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	31.9		3.00	1	07/18/2023 14:40	WG2096705
Sulfate	5.18		5.00	1	07/18/2023 14:40	WG2096705

Wet Chemistry by Method 9060A

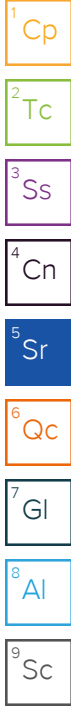
Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	2.20		1.00	1	07/21/2023 20:07	WG2099016

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/12/2023 19:37	WG2092916
Barium, Total Recoverable	0.120		0.00500	1	07/12/2023 19:37	WG2092916
Calcium, Total Recoverable	117		0.200	1	07/12/2023 19:37	WG2092916
Iron, Total Recoverable	1.48		0.0600	1	07/12/2023 19:37	WG2092916
Potassium, Total Recoverable	ND		3.00	1	07/12/2023 19:37	WG2092916

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	4.19		0.200	1	07/12/2023 19:37	WG2092916
Manganese, Total Recoverable	14.7		0.00300	1	07/12/2023 19:37	WG2092916
Sodium, Total Recoverable	19.6		5.00	1	07/12/2023 19:37	WG2092916
Lead, Total Recoverable	ND		0.00500	1	07/12/2023 19:37	WG2092916
Selenium, Total Recoverable	ND		0.0100	1	07/12/2023 19:37	WG2092916



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	07/14/2023 15:35	WG2092924
Beryllium, Total Recoverable	ND		0.00100	1	07/14/2023 15:35	WG2092924
Cadmium, Total Recoverable	ND		0.00100	1	07/14/2023 15:35	WG2092924
Cobalt, Total Recoverable	0.00986		0.00300	1	07/14/2023 15:35	WG2092924
Chromium, Total Recoverable	ND		0.00300	1	07/14/2023 15:35	WG2092924
Copper, Total Recoverable	ND		0.00400	1	07/14/2023 15:35	WG2092924
Nickel, Total Recoverable	0.0893		0.00400	1	07/14/2023 15:35	WG2092924
Antimony, Total Recoverable	ND		0.00200	1	07/14/2023 15:35	WG2092924
Thallium, Total Recoverable	ND		0.00100	1	07/14/2023 15:35	WG2092924
Vanadium, Total Recoverable	ND		0.00300	1	07/14/2023 15:35	WG2092924
Zinc, Total Recoverable	0.0209	<u>B J</u>	0.00500	1	07/14/2023 15:35	WG2092924

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	07/12/2023 03:48	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 03:48	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 03:48	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 03:48	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 03:48	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 03:48	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 03:48	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 03:48	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 03:48	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 03:48	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 03:48	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 03:48	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 03:48	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 03:48	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 03:48	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 03:48	WG2093044
Acetone	ND		10.0	1	07/12/2023 03:48	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 03:48	WG2093044
Benzene	ND		1.00	1	07/12/2023 03:48	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 03:48	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 03:48	WG2093044
Bromoform	ND		1.00	1	07/12/2023 03:48	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 03:48	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 03:48	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 03:48	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 03:48	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 03:48	WG2093044
Chloroform	ND		1.00	1	07/12/2023 03:48	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 03:48	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 03:48	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 03:48	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 03:48	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 03:48	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 03:48	WG2093044
Styrene	ND		1.00	1	07/12/2023 03:48	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 03:48	WG2093044
Toluene	ND		1.00	1	07/12/2023 03:48	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 03:48	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 03:48	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 03:48	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 03:48	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 03:48	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 03:48	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 03:48	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 03:48	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 03:48	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 03:48	WG2093044
(S) 1,2-Dichloroethane-d4	103			70.0-130	07/12/2023 03:48	WG2093044
(S) 4-Bromofluorobenzene	97.3			77.0-126	07/12/2023 03:48	WG2093044
(S) Toluene-d8	104			80.0-120	07/12/2023 03:48	WG2093044

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)	6.27	su
Specific Conductance (on site)	749	umhos/cm
Temperature (on-site)	19.4	Deg. C
Turbidity (on-site)	4.2	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	179.4	mV
Depth to water (DTW) (FROM TOC)	50.4	ft

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 date / time	Batch
Dissolved Solids	405		10.0	1	07/13/2023 16:08	WG2094125

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	347		10.0	1	07/17/2023 10:59	WG2095978
Alkalinity,Bicarbonate	347		10.0	1	07/17/2023 10:59	WG2095978
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 10:59	WG2095978

Sample Narrative:

L1633864-09 WG2095978: Endpoint pH 4.5

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 13:18	WG2092799

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/11/2023 20:32	WG2092816

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	15.0		3.00	1	07/18/2023 14:50	WG2096705
Sulfate	ND		5.00	1	07/18/2023 14:50	WG2096705

Wet Chemistry by Method 9060A

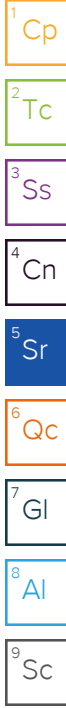
Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	1.26		1.00	1	07/21/2023 20:20	WG2099016

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/12/2023 19:40	WG2092916
Barium,Total Recoverable	0.208		0.00500	1	07/12/2023 19:40	WG2092916
Calcium, Total Recoverable	109		0.200	1	07/12/2023 19:40	WG2092916
Iron, Total Recoverable	1.20		0.0600	1	07/12/2023 19:40	WG2092916
Potassium, Total Recoverable	ND		3.00	1	07/12/2023 19:40	WG2092916

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	4.46		0.200	1	07/12/2023 19:40	WG2092916
Manganese, Total Recoverable	37.4		0.00600	5	07/13/2023 18:44	WG2092916
Sodium, Total Recoverable	9.90		5.00	1	07/12/2023 19:40	WG2092916
Lead, Total Recoverable	ND		0.00500	1	07/12/2023 19:40	WG2092916
Selenium, Total Recoverable	ND		0.0100	1	07/12/2023 19:40	WG2092916



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	07/14/2023 15:38	WG2092924
Beryllium, Total Recoverable	ND		0.00100	1	07/14/2023 15:38	WG2092924
Cadmium, Total Recoverable	0.00188		0.00100	1	07/14/2023 15:38	WG2092924
Cobalt, Total Recoverable	0.0245		0.00300	1	07/14/2023 15:38	WG2092924
Chromium, Total Recoverable	ND		0.00300	1	07/14/2023 15:38	WG2092924
Copper, Total Recoverable	ND		0.00400	1	07/14/2023 15:38	WG2092924
Nickel, Total Recoverable	0.167		0.00400	1	07/14/2023 15:38	WG2092924
Antimony, Total Recoverable	ND		0.00200	1	07/14/2023 15:38	WG2092924
Thallium, Total Recoverable	ND		0.00100	1	07/14/2023 15:38	WG2092924
Vanadium, Total Recoverable	ND		0.00300	1	07/14/2023 15:38	WG2092924
Zinc, Total Recoverable	0.156		0.00500	1	07/14/2023 15:38	WG2092924

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	07/12/2023 04:07	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 04:07	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 04:07	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 04:07	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 04:07	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 04:07	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 04:07	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 04:07	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 04:07	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 04:07	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 04:07	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 04:07	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 04:07	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 04:07	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 04:07	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 04:07	WG2093044
Acetone	ND		10.0	1	07/12/2023 04:07	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 04:07	WG2093044
Benzene	ND		1.00	1	07/12/2023 04:07	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 04:07	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 04:07	WG2093044
Bromoform	ND		1.00	1	07/12/2023 04:07	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 04:07	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 04:07	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 04:07	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 04:07	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 04:07	WG2093044
Chloroform	ND		1.00	1	07/12/2023 04:07	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 04:07	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 04:07	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 04:07	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 04:07	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 04:07	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 04:07	WG2093044
Styrene	ND		1.00	1	07/12/2023 04:07	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 04:07	WG2093044
Toluene	ND		1.00	1	07/12/2023 04:07	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 04:07	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 04:07	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 04:07	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 04:07	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 04:07	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 04:07	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 04:07	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 04:07	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 04:07	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 04:07	WG2093044
(S) 1,2-Dichloroethane-d4	104			70.0-130	07/12/2023 04:07	WG2093044
(S) 4-Bromofluorobenzene	95.4			77.0-126	07/12/2023 04:07	WG2093044
(S) Toluene-d8	101			80.0-120	07/12/2023 04:07	WG2093044

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)	6.42	su
Specific Conductance (on site)	779	umhos/cm
Temperature (on-site)	16.9	Deg. C
Turbidity (on-site)	3.7	NTU
Dissolved Oxygen (on-site)	0.2	mg/l
eH/ORP (On Site)	172.2	mV
Depth to water (DTW) (FROM TOC)	10.78	ft

- 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 date / time	Batch
Dissolved Solids	394		10.0	1	07/13/2023 13:00	WG2094232

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	346		10.0	1	07/17/2023 11:33	WG2095978
Alkalinity,Bicarbonate	346		10.0	1	07/17/2023 11:33	WG2095978
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 11:33	WG2095978

Sample Narrative:

L1633864-10 WG2095978: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 13:19	WG2092799

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.692		0.100	1	07/11/2023 20:33	WG2092816

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	18.0		3.00	1	07/18/2023 15:00	WG2096705
Sulfate	ND		5.00	1	07/18/2023 15:00	WG2096705

Wet Chemistry by Method 9060A

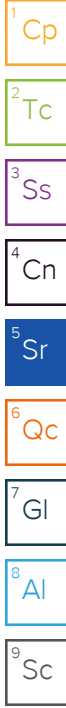
Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	1.41		1.00	1	07/21/2023 20:33	WG2099016

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/12/2023 19:43	WG2092916
Barium,Total Recoverable	0.0870		0.00500	1	07/12/2023 19:43	WG2092916
Calcium, Total Recoverable	139		0.200	1	07/12/2023 19:43	WG2092916
Iron, Total Recoverable	ND		0.0600	1	07/12/2023 19:43	WG2092916
Potassium, Total Recoverable	ND		3.00	1	07/12/2023 19:43	WG2092916

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	3.30		0.200	1	07/12/2023 19:43	WG2092916
Manganese, Total Recoverable	0.117		0.00300	1	07/12/2023 19:43	WG2092916
Sodium, Total Recoverable	9.96		5.00	1	07/12/2023 19:43	WG2092916
Lead, Total Recoverable	ND		0.00500	1	07/12/2023 19:43	WG2092916
Selenium, Total Recoverable	ND		0.0100	1	07/12/2023 19:43	WG2092916



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	07/14/2023 15:41	WG2092924
Beryllium, Total Recoverable	ND		0.00100	1	07/14/2023 15:41	WG2092924
Cadmium, Total Recoverable	0.00154		0.00100	1	07/14/2023 15:41	WG2092924
Cobalt, Total Recoverable	ND		0.00300	1	07/14/2023 15:41	WG2092924
Chromium, Total Recoverable	ND		0.00300	1	07/14/2023 15:41	WG2092924
Copper, Total Recoverable	ND		0.00400	1	07/14/2023 15:41	WG2092924
Nickel, Total Recoverable	0.00980		0.00400	1	07/14/2023 15:41	WG2092924
Antimony, Total Recoverable	ND		0.00200	1	07/14/2023 15:41	WG2092924
Thallium, Total Recoverable	ND		0.00100	1	07/14/2023 15:41	WG2092924
Vanadium, Total Recoverable	ND		0.00300	1	07/14/2023 15:41	WG2092924
Zinc, Total Recoverable	0.0387	<u>B</u>	0.00500	1	07/14/2023 15:41	WG2092924

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	07/12/2023 04:25	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 04:25	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 04:25	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 04:25	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 04:25	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 04:25	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 04:25	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 04:25	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 04:25	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 04:25	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 04:25	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 04:25	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 04:25	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 04:25	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 04:25	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 04:25	WG2093044
Acetone	ND		10.0	1	07/12/2023 04:25	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 04:25	WG2093044
Benzene	ND		1.00	1	07/12/2023 04:25	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 04:25	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 04:25	WG2093044
Bromoform	ND		1.00	1	07/12/2023 04:25	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 04:25	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 04:25	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 04:25	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 04:25	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 04:25	WG2093044
Chloroform	ND		1.00	1	07/12/2023 04:25	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 04:25	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 04:25	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 04:25	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 04:25	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 04:25	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 04:25	WG2093044
Styrene	ND		1.00	1	07/12/2023 04:25	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 04:25	WG2093044
Toluene	ND		1.00	1	07/12/2023 04:25	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 04:25	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 04:25	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 04:25	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 04:25	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 04:25	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 04:25	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 04:25	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 04:25	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 04:25	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 04:25	WG2093044
(S) 1,2-Dichloroethane-d4	103			70.0-130	07/12/2023 04:25	WG2093044
(S) 4-Bromofluorobenzene	97.8			77.0-126	07/12/2023 04:25	WG2093044
(S) Toluene-d8	103			80.0-120	07/12/2023 04:25	WG2093044

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

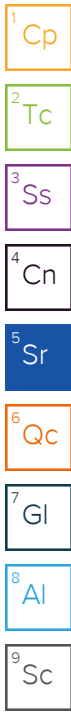
7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.17	su
Specific Conductance (on site)	834	umhos/cm
Temperature (on-site)	18.1	Deg. C
Turbidity (on-site)	3.9	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	181	mV
Depth to water (DTW) (FROM TOC)	54.44	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	437		10.0	1	07/13/2023 13:00	WG2094232

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	341		10.0	1	07/17/2023 11:37	WG2095978
Alkalinity,Bicarbonate	341		10.0	1	07/17/2023 11:37	WG2095978
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 11:37	WG2095978

Sample Narrative:

L1633864-11 WG2095978: Endpoint pH 4.5

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 13:21	WG2092799

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.505		0.100	1	07/11/2023 20:34	WG2092816

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	35.1		3.00	1	07/18/2023 15:10	WG2096705
Sulfate	5.14		5.00	1	07/18/2023 15:10	WG2096705

Wet Chemistry by Method 9060A

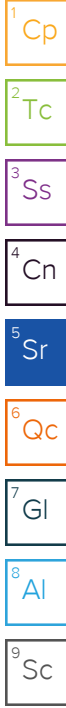
Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	2.22		1.00	1	07/21/2023 20:46	WG2099016

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/12/2023 19:51	WG2092916
Barium, Total Recoverable	0.164		0.00500	1	07/12/2023 19:51	WG2092916
Calcium, Total Recoverable	127		0.200	1	07/12/2023 19:51	WG2092916
Iron, Total Recoverable	ND		0.0600	1	07/12/2023 19:51	WG2092916
Potassium, Total Recoverable	ND		3.00	1	07/12/2023 19:51	WG2092916

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	8.25		0.200	1	07/12/2023 19:51	WG2092916
Manganese, Total Recoverable	4.22		0.00300	1	07/12/2023 19:51	WG2092916
Sodium, Total Recoverable	23.3		5.00	1	07/12/2023 19:51	WG2092916
Lead, Total Recoverable	ND		0.00500	1	07/12/2023 19:51	WG2092916
Selenium, Total Recoverable	ND		0.0100	1	07/12/2023 19:51	WG2092916



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	07/14/2023 15:45	WG2092924
Beryllium, Total Recoverable	ND		0.00100	1	07/14/2023 15:45	WG2092924
Cadmium, Total Recoverable	0.0137		0.00100	1	07/14/2023 15:45	WG2092924
Cobalt, Total Recoverable	ND		0.00300	1	07/14/2023 15:45	WG2092924
Chromium, Total Recoverable	ND		0.00300	1	07/14/2023 15:45	WG2092924
Copper, Total Recoverable	ND		0.00400	1	07/14/2023 15:45	WG2092924
Nickel, Total Recoverable	0.0259		0.00400	1	07/14/2023 15:45	WG2092924
Antimony, Total Recoverable	ND		0.00200	1	07/14/2023 15:45	WG2092924
Thallium, Total Recoverable	ND		0.00100	1	07/14/2023 15:45	WG2092924
Vanadium, Total Recoverable	ND		0.00300	1	07/14/2023 15:45	WG2092924
Zinc, Total Recoverable	0.0739		0.00500	1	07/14/2023 15:45	WG2092924

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	07/12/2023 04:44	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 04:44	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 04:44	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 04:44	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 04:44	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 04:44	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 04:44	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 04:44	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 04:44	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 04:44	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 04:44	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 04:44	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 04:44	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 04:44	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 04:44	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 04:44	WG2093044
Acetone	ND		10.0	1	07/12/2023 04:44	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 04:44	WG2093044
Benzene	ND		1.00	1	07/12/2023 04:44	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 04:44	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 04:44	WG2093044
Bromoform	ND		1.00	1	07/12/2023 04:44	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 04:44	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 04:44	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 04:44	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 04:44	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 04:44	WG2093044
Chloroform	ND		1.00	1	07/12/2023 04:44	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 04:44	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 04:44	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 04:44	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 04:44	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 04:44	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 04:44	WG2093044
Styrene	ND		1.00	1	07/12/2023 04:44	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 04:44	WG2093044
Toluene	ND		1.00	1	07/12/2023 04:44	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 04:44	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 04:44	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 04:44	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 04:44	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 04:44	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 04:44	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 04:44	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 04:44	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 04:44	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 04:44	WG2093044
(S) 1,2-Dichloroethane-d4	105			70.0-130	07/12/2023 04:44	WG2093044
(S) 4-Bromofluorobenzene	98.0			77.0-126	07/12/2023 04:44	WG2093044
(S) Toluene-d8	103			80.0-120	07/12/2023 04:44	WG2093044

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

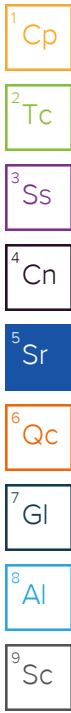
7
Gl

8
Al

9
Sc

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

Analyte	Result	Units
pH (On Site)	6.36	su
Specific Conductance (on site)	929	umhos/cm
Temperature (on-site)	19	Deg. C
Turbidity (on-site)	5.4	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	171.6	mV
Depth to water (DTW) (FROM TOC)	59.55	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	483		10.0	1	07/13/2023 13:00	WG2094232

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	429		10.0	1	07/17/2023 11:40	WG2095978
Alkalinity,Bicarbonate	429		10.0	1	07/17/2023 11:40	WG2095978
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 11:40	WG2095978

Sample Narrative:

L1633864-12 WG2095978: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 13:22	WG2092799

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/11/2023 20:35	WG2092816

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	21.5		3.00	1	07/18/2023 12:20	WG2096724
Sulfate	ND		5.00	1	07/18/2023 12:20	WG2096724

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	1.76		1.00	1	07/21/2023 21:33	WG2099016

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/12/2023 19:54	WG2092916
Barium, Total Recoverable	0.0727		0.00500	1	07/12/2023 19:54	WG2092916
Calcium, Total Recoverable	172		0.200	1	07/12/2023 19:54	WG2092916
Iron, Total Recoverable	2.37		0.0600	1	07/12/2023 19:54	WG2092916
Potassium, Total Recoverable	ND		3.00	1	07/12/2023 19:54	WG2092916

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	3.66		0.200	1	07/12/2023 19:54	WG2092916
Manganese, Total Recoverable	2.73		0.00300	1	07/12/2023 19:54	WG2092916
Sodium, Total Recoverable	10.2		5.00	1	07/12/2023 19:54	WG2092916
Lead, Total Recoverable	ND		0.00500	1	07/12/2023 19:54	WG2092916
Selenium, Total Recoverable	ND		0.0100	1	07/12/2023 19:54	WG2092916



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	07/14/2023 15:48	WG2092924
Beryllium, Total Recoverable	ND		0.00100	1	07/14/2023 15:48	WG2092924
Cadmium, Total Recoverable	ND		0.00100	1	07/14/2023 15:48	WG2092924
Cobalt, Total Recoverable	0.0273		0.00300	1	07/14/2023 15:48	WG2092924
Chromium, Total Recoverable	ND		0.00300	1	07/14/2023 15:48	WG2092924
Copper, Total Recoverable	ND		0.00400	1	07/14/2023 15:48	WG2092924
Nickel, Total Recoverable	0.0701		0.00400	1	07/14/2023 15:48	WG2092924
Antimony, Total Recoverable	ND		0.00200	1	07/14/2023 15:48	WG2092924
Thallium, Total Recoverable	ND		0.00100	1	07/14/2023 15:48	WG2092924
Vanadium, Total Recoverable	ND		0.00300	1	07/14/2023 15:48	WG2092924
Zinc, Total Recoverable	0.0580	<u>B</u>	0.00500	1	07/14/2023 15:48	WG2092924

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	07/12/2023 06:46	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 06:46	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 06:46	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 06:46	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 06:46	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 06:46	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 06:46	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 06:46	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 06:46	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 06:46	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 06:46	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 06:46	WG2093044
1,4-Dichlorobenzene	1.57		1.00	1	07/12/2023 06:46	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 06:46	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 06:46	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 06:46	WG2093044
Acetone	ND		10.0	1	07/12/2023 06:46	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 06:46	WG2093044
Benzene	ND		1.00	1	07/12/2023 06:46	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 06:46	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 06:46	WG2093044
Bromoform	ND		1.00	1	07/12/2023 06:46	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 06:46	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 06:46	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 06:46	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 06:46	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 06:46	WG2093044
Chloroform	ND		1.00	1	07/12/2023 06:46	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 06:46	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 06:46	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 06:46	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 06:46	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 06:46	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 06:46	WG2093044
Styrene	ND		1.00	1	07/12/2023 06:46	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 06:46	WG2093044
Toluene	ND		1.00	1	07/12/2023 06:46	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 06:46	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 06:46	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 06:46	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 06:46	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 06:46	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 06:46	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 06:46	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 06:46	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 06:46	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 06:46	WG2093044
(S) 1,2-Dichloroethane-d4	105			70.0-130	07/12/2023 06:46	WG2093044
(S) 4-Bromofluorobenzene	98.8			77.0-126	07/12/2023 06:46	WG2093044
(S) Toluene-d8	104			80.0-120	07/12/2023 06:46	WG2093044

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

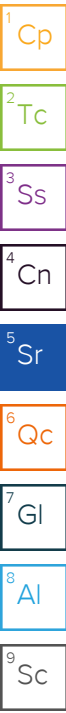
7
Gl

8
Al

9
Sc

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

Analyte	Result	Units
pH (On Site)	6.82	su
Specific Conductance (on site)	597	umhos/cm
Temperature (on-site)	19.3	Deg. C
Turbidity (on-site)	4.4	NTU
Dissolved Oxygen (on-site)	4.6	mg/l
eH/ORP (On Site)	158.6	mV
Depth to water (DTW) (FROM TOC)	56.15	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	305		10.0	1	07/13/2023 13:00	WG2094232

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	272		10.0	1	07/17/2023 11:44	WG2095978
Alkalinity,Bicarbonate	272		10.0	1	07/17/2023 11:44	WG2095978
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 11:44	WG2095978

Sample Narrative:

L1633864-13 WG2095978: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.161	P1	0.100	1	07/12/2023 13:30	WG2092799

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.70		0.100	1	07/11/2023 20:37	WG2092816

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	5.15		3.00	1	07/18/2023 13:28	WG2096724
Sulfate	ND		5.00	1	07/18/2023 13:28	WG2096724

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	ND		1.00	1	07/21/2023 21:45	WG2099016

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/12/2023 19:57	WG2092916
Barium, Total Recoverable	0.0471		0.00500	1	07/12/2023 19:57	WG2092916
Calcium, Total Recoverable	110		0.200	1	07/12/2023 19:57	WG2092916
Iron, Total Recoverable	ND		0.0600	1	07/12/2023 19:57	WG2092916
Potassium, Total Recoverable	ND		3.00	1	07/12/2023 19:57	WG2092916

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	1.39		0.200	1	07/12/2023 19:57	WG2092916
Manganese, Total Recoverable	ND		0.00300	1	07/12/2023 19:57	WG2092916
Sodium, Total Recoverable	5.75		5.00	1	07/12/2023 19:57	WG2092916
Lead, Total Recoverable	ND		0.00500	1	07/12/2023 19:57	WG2092916
Selenium, Total Recoverable	ND		0.0100	1	07/12/2023 19:57	WG2092916

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

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	07/14/2023 15:51	WG2092924
Beryllium, Total Recoverable	ND		0.00100	1	07/14/2023 15:51	WG2092924
Cadmium, Total Recoverable	ND		0.00100	1	07/14/2023 15:51	WG2092924
Cobalt, Total Recoverable	ND		0.00300	1	07/14/2023 15:51	WG2092924
Chromium, Total Recoverable	ND		0.00300	1	07/14/2023 15:51	WG2092924
Copper, Total Recoverable	ND		0.00400	1	07/14/2023 15:51	WG2092924
Nickel, Total Recoverable	ND		0.00400	1	07/14/2023 15:51	WG2092924
Antimony, Total Recoverable	ND		0.00200	1	07/14/2023 15:51	WG2092924
Thallium, Total Recoverable	ND		0.00100	1	07/14/2023 15:51	WG2092924
Vanadium, Total Recoverable	ND		0.00300	1	07/14/2023 15:51	WG2092924
Zinc, Total Recoverable	0.0105	<u>BJ</u>	0.00500	1	07/14/2023 15:51	WG2092924

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	07/12/2023 07:04	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 07:04	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 07:04	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 07:04	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 07:04	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 07:04	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 07:04	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 07:04	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 07:04	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 07:04	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 07:04	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 07:04	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 07:04	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 07:04	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 07:04	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 07:04	WG2093044
Acetone	ND		10.0	1	07/12/2023 07:04	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 07:04	WG2093044
Benzene	ND		1.00	1	07/12/2023 07:04	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 07:04	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 07:04	WG2093044
Bromoform	ND		1.00	1	07/12/2023 07:04	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 07:04	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 07:04	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 07:04	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 07:04	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 07:04	WG2093044
Chloroform	ND		1.00	1	07/12/2023 07:04	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 07:04	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 07:04	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 07:04	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 07:04	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 07:04	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 07:04	WG2093044
Styrene	ND		1.00	1	07/12/2023 07:04	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 07:04	WG2093044
Toluene	ND		1.00	1	07/12/2023 07:04	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 07:04	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 07:04	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 07:04	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 07:04	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 07:04	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 07:04	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 07:04	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 07:04	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 07:04	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 07:04	WG2093044
(S) 1,2-Dichloroethane-d4	105			70.0-130	07/12/2023 07:04	WG2093044
(S) 4-Bromofluorobenzene	97.2			77.0-126	07/12/2023 07:04	WG2093044
(S) Toluene-d8	103			80.0-120	07/12/2023 07:04	WG2093044

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
Dissolved Solids	400		10.0	1	07/13/2023 10:05	WG2093592

1 Cp

2 Tc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Alkalinity	352		10.0	1	07/17/2023 11:48	WG2095978
Alkalinity,Bicarbonate	352		10.0	1	07/17/2023 11:48	WG2095978
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 11:48	WG2095978

3 Ss

4 Cn

5 Sr

Sample Narrative:

L1633864-14 WG2095978: Endpoint pH 4.5 Headspace

6 Qc

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 13:33	WG2092799

7 Gl

8 Al

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Nitrate-Nitrite	ND		0.100	1	07/11/2023 20:38	WG2092816

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Chloride	15.0		3.00	1	07/18/2023 14:19	WG2096724
Sulfate	ND		5.00	1	07/18/2023 14:19	WG2096724

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
TOC	1.50		1.00	1	07/21/2023 21:58	WG2099016

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Silver, Total Recoverable	ND		0.0500	1	07/12/2023 19:59	WG2092916
Barium,Total Recoverable	0.206		0.00500	1	07/12/2023 19:59	WG2092916
Calcium, Total Recoverable	109		0.200	1	07/12/2023 19:59	WG2092916
Iron, Total Recoverable	1.20		0.0600	1	07/12/2023 19:59	WG2092916
Potassium, Total Recoverable	ND		3.00	1	07/12/2023 19:59	WG2092916
Magnesium, Total Recoverable	4.44		0.200	1	07/12/2023 19:59	WG2092916
Manganese,Total Recoverable	40.1		0.00600	5	07/13/2023 18:47	WG2092916
Sodium,Total Recoverable	9.87		5.00	1	07/12/2023 19:59	WG2092916
Lead, Total Recoverable	ND		0.00500	1	07/12/2023 19:59	WG2092916
Selenium, Total Recoverable	0.0221		0.0100	1	07/12/2023 19:59	WG2092916

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	07/14/2023 15:55	WG2092924
Beryllium, Total Recoverable	ND		0.00100	1	07/14/2023 15:55	WG2092924
Cadmium, Total Recoverable	0.00195		0.00100	1	07/14/2023 15:55	WG2092924
Cobalt, Total Recoverable	0.0248		0.00300	1	07/14/2023 15:55	WG2092924
Chromium, Total Recoverable	ND		0.00300	1	07/14/2023 15:55	WG2092924
Copper, Total Recoverable	ND		0.00400	1	07/14/2023 15:55	WG2092924
Nickel, Total Recoverable	0.166		0.00400	1	07/14/2023 15:55	WG2092924
Antimony, Total Recoverable	ND		0.00200	1	07/14/2023 15:55	WG2092924
Thallium, Total Recoverable	ND		0.00100	1	07/14/2023 15:55	WG2092924
Vanadium, Total Recoverable	ND		0.00300	1	07/14/2023 15:55	WG2092924
Zinc, Total Recoverable	0.156		0.00500	1	07/14/2023 15:55	WG2092924

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	07/12/2023 16:12	WG2093479
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 16:12	WG2093479
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 16:12	WG2093479
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 16:12	WG2093479
1,1-Dichloroethane	ND		1.00	1	07/12/2023 16:12	WG2093479
1,1-Dichloroethene	ND		1.00	1	07/12/2023 16:12	WG2093479
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 16:12	WG2093479
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 16:12	WG2093479
1,2-Dibromoethane	ND		1.00	1	07/12/2023 16:12	WG2093479
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 16:12	WG2093479
1,2-Dichloroethane	ND		1.00	1	07/12/2023 16:12	WG2093479
1,2-Dichloropropane	ND		1.00	1	07/12/2023 16:12	WG2093479
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 16:12	WG2093479
2-Butanone (MEK)	ND		5.00	1	07/12/2023 16:12	WG2093479
2-Hexanone	ND		5.00	1	07/12/2023 16:12	WG2093479
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 16:12	WG2093479
Acetone	ND		10.0	1	07/12/2023 16:12	WG2093479
Acrylonitrile	ND		20.0	1	07/12/2023 16:12	WG2093479
Benzene	ND		1.00	1	07/12/2023 16:12	WG2093479
Bromochloromethane	ND		1.00	1	07/12/2023 16:12	WG2093479
Bromodichloromethane	ND		1.00	1	07/12/2023 16:12	WG2093479
Bromoform	ND		1.00	1	07/12/2023 16:12	WG2093479
Bromomethane	ND		1.00	1	07/12/2023 16:12	WG2093479
Carbon disulfide	ND		1.00	1	07/12/2023 16:12	WG2093479
Carbon tetrachloride	ND		1.00	1	07/12/2023 16:12	WG2093479
Chlorobenzene	ND		1.00	1	07/12/2023 16:12	WG2093479
Chloroethane	ND		1.00	1	07/12/2023 16:12	WG2093479
Chloroform	ND		1.00	1	07/12/2023 16:12	WG2093479
Chloromethane	ND		1.00	1	07/12/2023 16:12	WG2093479
Dibromochloromethane	ND		1.00	1	07/12/2023 16:12	WG2093479
Dibromomethane	ND		1.00	1	07/12/2023 16:12	WG2093479
Ethylbenzene	ND		1.00	1	07/12/2023 16:12	WG2093479
Iodomethane	2.32	J	1.00	1	07/12/2023 16:12	WG2093479
Methylene Chloride	ND		1.07	1	07/12/2023 16:12	WG2093479
Styrene	ND		1.00	1	07/12/2023 16:12	WG2093479
Tetrachloroethene	ND		1.00	1	07/12/2023 16:12	WG2093479
Toluene	ND		1.00	1	07/12/2023 16:12	WG2093479
Trichloroethene	ND		1.00	1	07/12/2023 16:12	WG2093479
Trichlorofluoromethane	ND		1.00	1	07/12/2023 16:12	WG2093479
Vinyl acetate	ND	J4	5.00	1	07/12/2023 16:12	WG2093479
Vinyl chloride	ND		1.00	1	07/12/2023 16:12	WG2093479

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Xylenes, Total	ND		1.00	1	07/12/2023 16:12	WG2093479
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 16:12	WG2093479
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 16:12	WG2093479
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 16:12	WG2093479
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 16:12	WG2093479
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 16:12	WG2093479
(S) 1,2-Dichloroethane-d4	109			70.0-130	07/12/2023 16:12	WG2093479
(S) 4-Bromofluorobenzene	88.7			77.0-126	07/12/2023 16:12	WG2093479
(S) Toluene-d8	94.6			80.0-120	07/12/2023 16:12	WG2093479

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

Method Blank (MB)

(MB) R3948766-1 07/13/23 10:05

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	ND		2.82	10.0

1 Cp

2 Tc

3 Ss

L1633581-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633581-01 07/13/23 10:05 • (DUP) R3948766-3 07/13/23 10:05

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	369	377	1	2.14		5

4 Cn

5 Sr

L1633864-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1633864-07 07/13/23 10:05 • (DUP) R3948766-4 07/13/23 10:05

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	393	398	1	1.26		5

6 Qc

7 Gl

8 Al

Laboratory Control Sample (LCS)

(LCS) R3948766-2 07/13/23 10:05

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8480	96.4	77.3-123	

9 Sc

Method Blank (MB)

(MB) R3949273-1 07/13/23 16:08

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	ND		2.82	10.0

1 Cp

2 Tc

3 Ss

L1634046-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1634046-05 07/13/23 16:08 • (DUP) R3949273-4 07/13/23 16:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	2250	2560	1	12.9	J3	5

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R3949273-2 07/13/23 16:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	7660	87.0	77.3-123	

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3949810-1 07/13/23 13:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	ND		2.82	10.0

¹Cp

²Tc

³Ss

L1633460-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1633460-05 07/13/23 13:00 • (DUP) R3949810-3 07/13/23 13:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	271	270	1	0.370		5

⁴Cn

⁵Sr

L1633650-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633650-01 07/13/23 13:00 • (DUP) R3949810-4 07/13/23 13:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	332	364	1	9.20	J3	5

⁶Qc

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3949810-2 07/13/23 13:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8590	97.6	77.3-123	

⁹Sc

Method Blank (MB)

(MB) R3949943-1 07/14/23 12:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	ND		2.82	10.0

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1633768-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633768-01 07/14/23 12:58 • (DUP) R3949943-3 07/14/23 12:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	558	544	1	2.54		5

L1633864-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1633864-02 07/14/23 12:58 • (DUP) R3949943-4 07/14/23 12:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	184	166	1	10.3	J3	5

Laboratory Control Sample (LCS)

(LCS) R3949943-2 07/14/23 12:58

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	9000	102	77.3-123	

Method Blank (MB)

(MB) R3948256-2 07/13/23 09:57

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Alkalinity	mg/l		mg/l	mg/l
Alkalinity	ND		2.71	20.0
Alkalinity,Bicarbonate	ND		2.71	20.0
Alkalinity,Carbonate	ND		2.71	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1633503-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1633503-08 07/13/23 10:20 • (DUP) R3948256-3 07/13/23 10:23

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	mg/l	mg/l		%		%
Alkalinity	83.2	83.0	1	0.270		20
Alkalinity,Bicarbonate	83.2	83.0	1	0.270		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1633864-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1633864-04 07/13/23 13:23 • (DUP) R3948256-4 07/13/23 13:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	mg/l	mg/l		%		%
Alkalinity	194	192	1	0.839		20
Alkalinity,Bicarbonate	194	192	1	0.839		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5



Laboratory Control Sample (LCS)

(LCS) R3948256-1 07/13/23 09:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Alkalinity	100	107	107	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3949298-2 07/17/23 10:06

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Alkalinity	ND		2.71	20.0
Alkalinity,Bicarbonate	ND		2.71	20.0
Alkalinity,Carbonate	ND		2.71	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1633770-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633770-01 07/17/23 10:43 • (DUP) R3949298-3 07/17/23 10:47

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	164	164	1	0.316		20
Alkalinity,Bicarbonate	164	164	1	0.316		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1634156-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1634156-01 07/17/23 12:36 • (DUP) R3949298-4 07/17/23 12:42

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	894	905	1	1.28		20
Alkalinity,Bicarbonate	707	716	1	1.23		20
Alkalinity,Carbonate	186	189	1	1.45		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5



Laboratory Control Sample (LCS)

(LCS) R3949298-1 07/17/23 10:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Alkalinity	100	98.3	98.3	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3947829-1 07/12/23 12:51

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ammonia Nitrogen	ND		0.0317	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1633864-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1633864-13 07/12/23 13:30 • (DUP) R3947829-7 07/12/23 13:31

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	0.161	0.102	1	200	P1	10

L1633864-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1633864-03 07/12/23 13:03 • (DUP) R3947829-5 07/12/23 13:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	ND	ND	1	0.000		10

Laboratory Control Sample (LCS)

(LCS) R3947829-2 07/12/23 12:52

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	7.50	7.71	103	90.0-110	

L1633864-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633864-02 07/12/23 12:58 • (MS) R3947829-3 07/12/23 13:00 • (MSD) R3947829-4 07/12/23 13:01

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	ND	5.07	5.25	101	105	1	90.0-110			3.49	10

L1633864-12 Original Sample (OS) • Matrix Spike (MS)

(OS) L1633864-12 07/12/23 13:22 • (MS) R3947829-6 07/12/23 13:24

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Ammonia Nitrogen	5.00	ND	5.12	102	1	90.0-110	

Method Blank (MB)

(MB) R3947356-1 07/11/23 19:57

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Nitrate-Nitrite	ND		0.0197	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1633570-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633570-01 07/11/23 20:02 • (DUP) R3947356-3 07/11/23 20:03

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	ND	ND	1	0.000		20

L1633864-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1633864-08 07/11/23 20:23 • (DUP) R3947356-5 07/11/23 20:24

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3947356-2 07/11/23 19:58

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Nitrate-Nitrite	2.50	2.50	100	90.0-110	

L1633570-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1633570-01 07/11/23 20:02 • (MS) R3947356-4 07/11/23 20:05

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Nitrate-Nitrite	2.50	ND	2.72	109	1	90.0-110	

L1633864-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633864-08 07/11/23 20:23 • (MS) R3947356-6 07/11/23 20:29 • (MSD) R3947356-7 07/11/23 20:30

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	2.50	ND	2.73	2.65	109	106	1	90.0-110			2.97	20

Method Blank (MB)

(MB) R3949944-1 07/18/23 09:24

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1633673-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633673-01 07/18/23 10:40 • (DUP) R3949944-3 07/18/23 10:49

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	mg/l	mg/l	%	%		%
Chloride	143	137	1	3.87		15
Sulfate	69.2	67.1	1	3.03		15

L1634239-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1634239-01 07/18/23 15:20 • (DUP) R3949944-6 07/18/23 15:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	mg/l	mg/l	%	%		%
Chloride	6.32	6.26	1	0.903		15
Sulfate	12.7	12.7	1	0.210		15

Laboratory Control Sample (LCS)

(LCS) R3949944-2 07/18/23 09:34

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	mg/l	mg/l	%	%	
Chloride	40.0	39.0	97.6	80.0-120	
Sulfate	40.0	40.8	102	80.0-120	

L1633673-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633673-01 07/18/23 10:40 • (MS) R3949944-4 07/18/23 10:59 • (MSD) R3949944-5 07/18/23 11:09

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	143	184	182	83.2	77.9	1	80.0-120		J6	1.44	15
Sulfate	50.0	69.2	117	117	95.4	95.7	1	80.0-120			0.147	15

L1634239-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1634239-01 07/18/23 15:20 • (MS) R3949944-7 07/18/23 15:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50.0	6.32	53.6	94.7	1	80.0-120	
Sulfate	50.0	12.7	60.8	96.3	1	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) R3950404-1 07/18/23 09:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	ND		0.0519	1.00
Sulfate	ND		0.0774	5.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1633864-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1633864-12 07/18/23 12:20 • (DUP) R3950404-5 07/18/23 13:11

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	21.5	21.4	1	0.174		15
Sulfate	ND	ND	1	0.000		15

L1635301-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1635301-02 07/18/23 19:06 • (DUP) R3950404-6 07/18/23 19:23

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	4.37	4.38	1	0.288		15
Sulfate	30.1	28.5	1	5.33		15

Laboratory Control Sample (LCS)

(LCS) R3950404-2 07/18/23 09:53

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	40.0	40.1	100	80.0-120	
Sulfate	40.0	39.5	98.9	80.0-120	

L1633864-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633864-12 07/18/23 12:20 • (MS) R3950404-3 07/18/23 12:37 • (MSD) R3950404-4 07/18/23 12:54

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	50.0	21.5	70.4	70.4	97.9	98.0	1	80.0-120			0.0987	15
Sulfate	50.0	ND	48.8	49.2	97.7	98.3	1	80.0-120			0.658	15

L1635301-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1635301-02 07/18/23 19:06 • (MS) R3950404-7 07/18/23 19:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50.0	4.37	53.5	98.2	1	80.0-120	
Sulfate	50.0	30.1	78.4	96.6	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3951117-2 07/20/23 13:27

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC	ND		0.102	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1633268-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633268-01 07/20/23 21:41 • (DUP) R3951117-5 07/20/23 21:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	6.63	6.56	1	1.03		20

L1633161-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1633161-02 07/21/23 09:47 • (DUP) R3951117-8 07/21/23 10:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	8.04	6.78	1	17.0		20

Laboratory Control Sample (LCS)

(LCS) R3951117-1 07/20/23 13:15

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	25.0	24.8	99.3	85.0-115	

L1633145-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633145-01 07/20/23 14:02 • (MS) R3951117-3 07/20/23 14:21 • (MSD) R3951117-4 07/20/23 14:41

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	17.7	42.8	43.2	101	102	1	80.0-120			0.837	20

L1633148-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633148-04 07/20/23 15:40 • (MS) R3951117-6 07/21/23 00:23 • (MSD) R3951117-7 07/21/23 00:41

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	5.19	30.6	29.9	102	98.7	1	80.0-120			2.45	20

Method Blank (MB)

(MB) R3951482-2 07/21/23 13:03

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC	ND		0.102	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1633321-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1633321-03 07/21/23 15:39 • (DUP) R3951482-5 07/21/23 15:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	2.42	2.44	1	0.659		20

L1633379-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633379-01 07/21/23 18:24 • (DUP) R3951482-8 07/21/23 18:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	4.48	4.86	1	8.11		20

Laboratory Control Sample (LCS)

(LCS) R3951482-1 07/21/23 12:51

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	25.0	24.8	99.3	85.0-115	

L1633321-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633321-02 07/21/23 14:48 • (MS) R3951482-3 07/21/23 15:07 • (MSD) R3951482-4 07/21/23 15:24

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	3.15	27.4	27.5	97.1	97.2	1	80.0-120			0.0729	20

L1633326-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633326-04 07/21/23 17:35 • (MS) R3951482-6 07/21/23 17:52 • (MSD) R3951482-7 07/21/23 18:10

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	1.87	25.9	27.3	96.2	102	1	80.0-120			5.30	20

Method Blank (MB)

(MB) R3950627-2 07/20/23 03:21

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC	ND		0.102	1.00

1 Cp

2 Tc

3 Ss

L1633864-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1633864-05 07/20/23 09:34 • (DUP) R3950627-5 07/20/23 09:48

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	2.54	2.21	1	14.2		20

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R3950627-1 07/20/23 03:09

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	25.0	24.8	99.0	85.0-115	

7 Gl

8 Al

9 Sc

L1633864-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633864-04 07/20/23 08:44 • (MS) R3950627-3 07/20/23 09:02 • (MSD) R3950627-4 07/20/23 09:20

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	3.84	26.3	25.6	90.0	87.2	1	80.0-120			2.69	20

Method Blank (MB)

(MB) R3951638-2 07/21/23 17:08

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC	0.334	↓	0.102	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1633864-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1633864-07 07/21/23 19:41 • (DUP) R3951638-5 07/21/23 19:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	1.49	1.35	1	9.78		20

L1633891-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1633891-02 07/21/23 23:12 • (DUP) R3951638-6 07/21/23 23:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	1.06	ND	1	16.1		20

Laboratory Control Sample (LCS)

(LCS) R3951638-1 07/21/23 16:57

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

L1633864-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633864-06 07/21/23 18:46 • (MS) R3951638-3 07/21/23 19:07 • (MSD) R3951638-4 07/21/23 19:28

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	ND	24.6	24.6	96.2	96.4	1	80.0-120			0.244	20

L1633891-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633891-01 07/22/23 19:28 • (MS) R3951638-9 07/22/23 19:50 • (MSD) R3951638-10 07/22/23 20:11

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	ND	25.7	25.3	100	98.7	1	80.0-120			1.41	20

Method Blank (MB)

(MB) R3948019-1 07/12/23 18:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver, Total Recoverable	ND		0.00280	0.00500
Barium, Total Recoverable	ND		0.00170	0.00500
Calcium, Total Recoverable	ND		0.0463	1.00
Iron, Total Recoverable	ND		0.0141	0.100
Potassium, Total Recoverable	ND		0.102	1.00
Magnesium, Total Recoverable	ND		0.0111	1.00
Manganese, Total Recoverable	ND		0.00120	0.0100
Sodium, Total Recoverable	0.141		0.0111	1.00
Lead, Total Recoverable	ND		0.00190	0.00500
Selenium, Total Recoverable	ND		0.00740	0.0100

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3948019-2 07/12/23 18:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver, Total Recoverable	0.200	0.190	95.2	80.0-120	
Barium, Total Recoverable	1.00	1.02	102	80.0-120	
Calcium, Total Recoverable	10.0	9.78	97.8	80.0-120	
Iron, Total Recoverable	10.0	9.76	97.6	80.0-120	
Potassium, Total Recoverable	10.0	9.33	93.3	80.0-120	
Magnesium, Total Recoverable	10.0	9.43	94.3	80.0-120	
Manganese, Total Recoverable	1.00	0.998	99.8	80.0-120	
Sodium, Total Recoverable	10.0	10.2	102	80.0-120	
Lead, Total Recoverable	1.00	0.953	95.3	80.0-120	
Selenium, Total Recoverable	1.00	1.01	101	80.0-120	

L1633802-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633802-01 07/12/23 18:50 • (MS) R3948019-4 07/12/23 18:56 • (MSD) R3948019-5 07/12/23 18:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver, Total Recoverable	0.200	ND	0.203	0.207	102	103	1	75.0-125			1.56	20
Barium, Total Recoverable	1.00	0.150	1.14	1.16	99.4	101	1	75.0-125			1.65	20
Calcium, Total Recoverable	10.0	400	397	398	0.000	0.000	1	75.0-125	V	V	0.256	20
Iron, Total Recoverable	10.0	1.78	11.2	11.3	94.1	95.5	1	75.0-125			1.22	20
Potassium, Total Recoverable	10.0	72.8	81.7	81.0	89.2	81.8	1	75.0-125			0.909	20
Magnesium, Total Recoverable	10.0	37.6	45.8	45.8	81.8	81.7	1	75.0-125			0.00918	20
Manganese, Total Recoverable	1.00	0.518	1.51	1.52	98.8	101	1	75.0-125			1.17	20

L1633802-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633802-01 07/12/23 18:50 • (MS) R3948019-4 07/12/23 18:56 • (MSD) R3948019-5 07/12/23 18:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sodium, Total Recoverable	10.0	582	575	576	0.000	0.000	1	75.0-125	√	√	0.204	20
Lead, Total Recoverable	1.00	0.00879	0.962	0.985	95.3	97.7	1	75.0-125			2.38	20
Selenium, Total Recoverable	1.00	ND	1.16	1.16	115	115	1	75.0-125			0.226	20

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

Method Blank (MB)

(MB) R3948842-1 07/13/23 22:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
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	ND		0.000520	0.00500
Nickel, Total Recoverable	ND		0.000350	0.00200
Antimony, Total Recoverable	ND		0.000754	0.00200
Thallium, Total Recoverable	ND		0.000190	0.00200
Vanadium, Total Recoverable	ND		0.000180	0.00500
Zinc, Total Recoverable	0.00690	↓	0.00256	0.0250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3948842-2 07/13/23 22:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Total Recoverable	0.0500	0.0499	99.9	80.0-120	
Beryllium, Total Recoverable	0.0500	0.0537	107	80.0-120	
Cadmium, Total Recoverable	0.0500	0.0513	103	80.0-120	
Cobalt, Total Recoverable	0.0500	0.0497	99.5	80.0-120	
Chromium, Total Recoverable	0.0500	0.0490	98.1	80.0-120	
Copper, Total Recoverable	0.0500	0.0504	101	80.0-120	
Nickel, Total Recoverable	0.0500	0.0501	100	80.0-120	
Antimony, Total Recoverable	0.0500	0.0497	99.4	80.0-120	
Thallium, Total Recoverable	0.0500	0.0489	97.9	80.0-120	
Vanadium, Total Recoverable	0.0500	0.0495	99.0	80.0-120	
Zinc, Total Recoverable	0.0500	0.0487	97.3	80.0-120	

L1633768-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633768-01 07/13/23 22:59 • (MS) R3948842-4 07/13/23 23:06 • (MSD) R3948842-5 07/13/23 23:09

Analyte	Spike Amount mg/l	Original Result	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic, Total Recoverable	0.0500		0.0482	0.0470	94.8	92.4	1	75.0-125			2.54	20
Beryllium, Total Recoverable	0.0500		0.0531	0.0521	106	104	1	75.0-125			2.03	20
Cadmium, Total Recoverable	0.0500	ND	0.0500	0.0491	100	98.2	1	75.0-125			1.81	20
Cobalt, Total Recoverable	0.0500		0.0460	0.0453	91.8	90.4	1	75.0-125			1.58	20
Chromium, Total Recoverable	0.0500		0.0454	0.0445	90.8	89.1	1	75.0-125			1.87	20

L1633768-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633768-01 07/13/23 22:59 • (MS) R3948842-4 07/13/23 23:06 • (MSD) R3948842-5 07/13/23 23:09

Analyte	Spike Amount mg/l	Original Result	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Copper, Total Recoverable	0.0500		0.0557	0.0560	88.2	88.8	1	75.0-125			0.522	20
Nickel, Total Recoverable	0.0500		0.0453	0.0458	90.5	91.6	1	75.0-125			1.18	20
Antimony, Total Recoverable	0.0500		0.0485	0.0490	97.1	98.0	1	75.0-125			0.937	20
Thallium, Total Recoverable	0.0500		0.0488	0.0490	97.2	97.6	1	75.0-125			0.408	20
Vanadium, Total Recoverable	0.0500		0.0470	0.0462	93.9	92.4	1	75.0-125			1.63	20
Zinc, Total Recoverable	0.0500		2.21	2.20	9.82	0.000	1	75.0-125	∇	∇	0.512	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3947814-2 07/11/23 20:32

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3947814-2 07/11/23 20:32

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	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	94.4			70.0-130
(S) 4-Bromofluorobenzene	95.7			77.0-126
(S) Toluene-d8	108			80.0-120

Laboratory Control Sample (LCS)

(LCS) R3947814-1 07/11/23 19:18

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
1,1,1,2-Tetrachloroethane	5.00	4.13	82.6	75.0-125	
1,1,1-Trichloroethane	5.00	4.06	81.2	73.0-124	
1,1,2,2-Tetrachloroethane	5.00	4.94	98.8	65.0-130	
1,1,2-Trichloroethane	5.00	4.30	86.0	80.0-120	
1,1-Dichloroethane	5.00	4.23	84.6	70.0-126	
1,1-Dichloroethene	5.00	4.25	85.0	71.0-124	
1,2,3-Trichloropropane	5.00	4.99	99.8	73.0-130	
1,2-Dibromo-3-Chloropropane	5.00	3.88	77.6	58.0-134	
1,2-Dibromoethane	5.00	4.58	91.6	80.0-122	
1,2-Dichlorobenzene	5.00	4.46	89.2	79.0-121	
1,2-Dichloroethane	5.00	4.89	97.8	70.0-128	
1,2-Dichloropropane	5.00	4.19	83.8	77.0-125	
1,4-Dichlorobenzene	5.00	4.70	94.0	79.0-120	
2-Butanone (MEK)	25.0	21.4	85.6	44.0-160	
2-Hexanone	25.0	23.7	94.8	67.0-149	
4-Methyl-2-pentanone (MIBK)	25.0	24.0	96.0	68.0-142	
Acetone	25.0	18.8	75.2	19.0-160	
Acrylonitrile	25.0	21.5	86.0	55.0-149	
Benzene	5.00	4.47	89.4	70.0-123	
Bromochloromethane	5.00	4.44	88.8	76.0-122	
Bromodichloromethane	5.00	4.12	82.4	75.0-120	
Bromoform	5.00	4.16	83.2	68.0-132	
Bromomethane	5.00	4.03	80.6	10.0-160	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3947814-1 07/11/23 19:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Carbon disulfide	5.00	3.65	73.0	61.0-128	
Carbon tetrachloride	5.00	4.29	85.8	68.0-126	
Chlorobenzene	5.00	4.26	85.2	80.0-121	
Chloroethane	5.00	4.22	84.4	47.0-150	
Chloroform	5.00	4.12	82.4	73.0-120	
Chloromethane	5.00	4.18	83.6	41.0-142	
Dibromochloromethane	5.00	4.40	88.0	77.0-125	
Dibromomethane	5.00	4.18	83.6	80.0-120	
Ethylbenzene	5.00	4.40	88.0	79.0-123	
Iodomethane	25.0	21.3	85.2	33.0-147	
Methylene Chloride	5.00	4.35	87.0	67.0-120	
Styrene	5.00	4.33	86.6	73.0-130	
Tetrachloroethene	5.00	4.84	96.8	72.0-132	
Toluene	5.00	4.51	90.2	79.0-120	
Trichloroethene	5.00	4.47	89.4	78.0-124	
Trichlorofluoromethane	5.00	4.51	90.2	59.0-147	
Vinyl acetate	25.0	25.1	100	11.0-160	
Vinyl chloride	5.00	4.44	88.8	67.0-131	
Xylenes, Total	15.0	12.9	86.0	79.0-123	
cis-1,2-Dichloroethene	5.00	4.00	80.0	73.0-120	
cis-1,3-Dichloropropene	5.00	4.36	87.2	80.0-123	
trans-1,2-Dichloroethene	5.00	4.16	83.2	73.0-120	
trans-1,3-Dichloropropene	5.00	4.73	94.6	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	4.67	93.4	33.0-144	
(S) 1,2-Dichloroethane-d4			103	70.0-130	
(S) 4-Bromofluorobenzene			96.4	77.0-126	
(S) Toluene-d8			105	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3948671-2 07/12/23 09:42

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3948671-2 07/12/23 09:42

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	93.6			70.0-130
(S) 4-Bromofluorobenzene	90.3			77.0-126
(S) Toluene-d8	98.6			80.0-120

Laboratory Control Sample (LCS)

(LCS) R3948671-1 07/12/23 08:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,1,2-Tetrachloroethane	5.00	5.18	104	75.0-125	
1,1,1-Trichloroethane	5.00	5.14	103	73.0-124	
1,1,2,2-Tetrachloroethane	5.00	5.34	107	65.0-130	
1,1,2-Trichloroethane	5.00	5.04	101	80.0-120	
1,1-Dichloroethane	5.00	5.37	107	70.0-126	
1,1-Dichloroethene	5.00	5.07	101	71.0-124	
1,2,3-Trichloropropane	5.00	5.50	110	73.0-130	
1,2-Dibromo-3-Chloropropane	5.00	4.39	87.8	58.0-134	
1,2-Dibromoethane	5.00	5.06	101	80.0-122	
1,2-Dichlorobenzene	5.00	5.03	101	79.0-121	
1,2-Dichloroethane	5.00	5.15	103	70.0-128	
1,2-Dichloropropane	5.00	5.39	108	77.0-125	
1,4-Dichlorobenzene	5.00	5.40	108	79.0-120	
2-Butanone (MEK)	25.0	31.5	126	44.0-160	
2-Hexanone	25.0	28.3	113	67.0-149	
4-Methyl-2-pentanone (MIBK)	25.0	28.0	112	68.0-142	
Acetone	25.0	27.8	111	19.0-160	
Acrylonitrile	25.0	35.7	143	55.0-149	
Benzene	5.00	4.83	96.6	70.0-123	
Bromochloromethane	5.00	5.46	109	76.0-122	
Bromodichloromethane	5.00	5.14	103	75.0-120	
Bromoform	5.00	4.76	95.2	68.0-132	
Bromomethane	5.00	1.77	35.4	10.0-160	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3948671-1 07/12/23 08:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Carbon disulfide	5.00	4.25	85.0	61.0-128	
Carbon tetrachloride	5.00	5.53	111	68.0-126	
Chlorobenzene	5.00	4.84	96.8	80.0-121	
Chloroethane	5.00	6.27	125	47.0-150	
Chloroform	5.00	5.19	104	73.0-120	
Chloromethane	5.00	3.38	67.6	41.0-142	
Dibromochloromethane	5.00	5.38	108	77.0-125	
Dibromomethane	5.00	5.96	119	80.0-120	
Ethylbenzene	5.00	5.31	106	79.0-123	
Iodomethane	25.0	14.2	56.8	33.0-147	
Methylene Chloride	5.00	5.50	110	67.0-120	
Styrene	5.00	4.34	86.8	73.0-130	
Tetrachloroethene	5.00	5.08	102	72.0-132	
Toluene	5.00	4.84	96.8	79.0-120	
Trichloroethene	5.00	4.70	94.0	78.0-124	
Trichlorofluoromethane	5.00	4.90	98.0	59.0-147	
Vinyl acetate	25.0	51.0	204	11.0-160	J4
Vinyl chloride	5.00	5.19	104	67.0-131	
Xylenes, Total	15.0	15.3	102	79.0-123	
cis-1,2-Dichloroethene	5.00	5.45	109	73.0-120	
cis-1,3-Dichloropropene	5.00	4.89	97.8	80.0-123	
trans-1,2-Dichloroethene	5.00	5.11	102	73.0-120	
trans-1,3-Dichloropropene	5.00	4.56	91.2	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	3.95	79.0	33.0-144	
(S) 1,2-Dichloroethane-d4			102	70.0-130	
(S) 4-Bromofluorobenzene			98.3	77.0-126	
(S) Toluene-d8			96.9	80.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

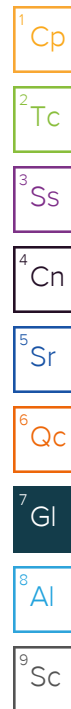
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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
B	The same analyte is found in the associated blank.
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.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

88 Joyce Lane
 Russellville, AR 72801

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

Report to:
Jodi Reynolds

Email To:
 ciara.children.beavers@jettenviro.com; jeffholm

Project Description:
 Eco-Vista - GW-July

City/State
 Collected:

Please Circle:
 PT MT CT ET

Phone: **501-993-8966**

Client Project #
200

Lab Project #
WMECOVISAR-00019

Collected by (print):
Chris Fincher

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

___ Same Day ___ Five Day
 ___ Next Day ___ 5 Day (Rad Only)
 ___ Two Day ___ 10 Day (Rad Only)
 ___ Three Day

Date Results Needed

Immediately
 Packed on Ice N Y X

No. of
 Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs
MW-17 LGW-7	Grab	GW	43.85	7.10.23	1035	8
MW-19		GW	68.80		1705	8
MW-20 MW-16		GW	76.10		1630	8
MW-21 MW-15		GW	58.70		1555	8
LGW-2		GW	74.50		1525	8
LGW-3R		GW	55.70		0830	8
LGW-4		GW	60.75		0910	8
LGW-5		GW	71.00		0945	8
LGW-6		GW	50.45		1235	8
LGW-7		GW				8

Pres Chk	Analysis / Container / Preservative									
	ALK, CHLORIDE, SULFA 250mlHDPE-NoPres	CHLORIDE 125mlHDPE-NoPres	Metals 250mlHDPE-HNO3	NH3 250mlHDPE-H2SO4	NH3,NO2NO3 250mlHDPE-H2SO4	TDS 1L-HDPE NoPres	TOC 250mlHDPE-HCl	V8260LL 40mlAmb-HCl	V8260LL TB 40mlAmb-HCl-BIK	
				L2	L2	L2				



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 # *U035814*
B218

Table #

Acctnum: **WMECOVISAR**

Template: **T211193**

Prelogin: **P1006574**

PM: **616 - Stacy Kennedy**

PB:

Shipped Via: **FedEX Ground**

Remarks | Sample # (lab only)

-01
 -02
 -03
 -04
 -05
 -06
 -07
 -08
 -09

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

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

Samples returned via:
 ___ UPS ___ FedEx ___ Courier

Tracking #

Relinquished by: (Signature)
[Signature]

Date: **7.10.23**
 Time: **1800**

Received by: (Signature)

Trip Blank Received: **3** Yes/No
 (HCl) / MeoH
 TBR

Relinquished by: (Signature)

Date: _____
 Time: _____

Received by: (Signature)

Temp: _____ °C Bottles Received: **112**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: _____
 Time: _____

Received for lab by: (Signature)
g 10

Date: **7.11.23** Time: **9:00**

Hold: _____ Condition: **NCF / OK**

Company Name/Address:

Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:

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

Report to:
Jodi Reynolds

Email To:
ciara.childrens.beavers@jettenviro.com; jeffholm

Project Description:
Eco-Vista - GW-July

City/State
Collected:

Please Circle:
PT MT CT ET

Phone: **501-993-8966**

Client Project #
200

Lab Project #
WMECOVISAR-00019

Collected by (print):
Chris Fincher

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

Immediately

___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Packed on Ice N ___ Y X

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 2



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/hubs/pas-standard-terms.pdf>

SDG # L163386d

Table #

Acctnum: **WMECOVISAR**

Template: **T211193**

Prelogin: **P1006574**

PM: **616 - Stacy Kennedy**

PB: BF 6/23/23

Shipped Via: **FedEX Ground**

Remarks | Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK, CHLORIDE, SULFA 250mIHDPE-NoPres	CHLORIDE 125mIHDPE-NoPres	Metals 250mIHDPE-HNO3	NH3 250mIHDPE-H2SO4	NH3,NO2NO3 250mIHDPE-H2SO4	TDS 1L-HDPE NoPres	TOC 250mIHDPE-HCl	V8260LL 40mIAmb-HCl	V8260LL TB 40mIAmb-HCl-Bik	Remarks	Sample # (lab only)
LGW-8R	Grab	GW	11.00	7.10.23	1115	8	X		X		X	X	X	X			
LGW-9		GW	55.80		1355	8	X		X		X	X	X	X			-10
LGW-10		GW	60.25		1430	8	X		X		X	X	X	X			-11
LGW-14R		GW	59.50		1320	8	X		X		X	X	X	X			-12
LEACHATE-COMPOSITE		GW		7.11.23		8	X		X		X	X	X	X			-13
DUP 1		GW	77.77	7.10.23	0700	8	X		X		X	X	X	X			-14
DUP2		GW				8	X		X		X	X	X	X			
LCS-1		GW				2		X		X							
LCS-2		GW				2		X		X							
LCS-3		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 _____

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) *[Signature]*

Date:

7.10.23

Time:

1800

Received by: (Signature)

Trip Blank Received: Yes / No

HCL/MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

Hold:

Condition:
NCF / OK

g 10

7.11.23 7:00

FIELD INFORMATION FORM



Site Name: EVLF Low-7
 Site No.:
 Sample Point:
 Sample ID:

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:
UL633864

PURGE INFO
 PURGE DATE (MM DD YY): 071023
 PURGE TIME (2400 Hr Clock): 10:00
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or N
 Purging Device: C A- Submersible Pump D-Bailer
 B-Peristaltic Pump E-Piston Pump
 Sampling Device: C C-QED Bladder Pump F-Dipper/Bottle
 X-Other:
 Filter Device: Y or X 0.45 μ or μ (circle or fill in)
 Filter Type: A-In-line Disposable C-Vacuum
 B-Pressure X-Other:
 Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 43.17 (ft) Groundwater Elevation (site datum, from TOC): (ft/msl)
 Total Well Depth (from TOC): (ft) Stick Up (from ground elevation): (ft) Casing ID: 2 (in) Casing Material: PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		10:05	250 1 st	8.00 1 st	564	19.5	5.0	6.8	155.8
	10:10	250 2 nd	7.30 2 nd	520	19.4	4.2	4.1	155.2	43.85
	10:15	250 3 rd	6.90 3 rd	555	19.1	4.4	3.4	159.2	43.85
	10:20	250 4 th	6.67 4 th	605	19.1	3.8	2.7	167.5	43.85
	10:25	250	6.46	658	19.1	3.7	2.0	176.8	43.85
	10:30	250	6.41	667	19.1	3.8	1.9	178.3	43.85
	10:35	250	6.40	669	19.0	3.8	1.8	179.2	43.85

Suggested range for 3 consec. readings or note Permit/State requirements: pH +/- 0.2, Conductance +/- 3%, Temp. --, Turbidity --, D.O. +/- 10%, eH/ORP +/- 25 mV, Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 071023
 pH (std): 6.40
 CONDUCTANCE (umhos/cm @ 25°C): 669
 TEMP. (°C): 19.0
 TURBIDITY (ntu): 3.8
 DO (mg/L-ppm): 1.8
 eH/ORP (mV): 179.2
 Other:
 Units:
Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.)

Sample Appearance: Clear Odor: None Color: Clear Other:
 Weather Conditions (required daily, or as conditions change): Sunny Direction/Speed: SE 5 mph Outlook: Clear 90° Precipitation: Y or X
 Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7, 10, 23 C. Ender [Signature] [Signature]
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: MW-119
 Sample ID:

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:
L1633564

PURGE INFO
 PURGE DATE: 071023 (MM DD YY)
 PURGE TIME: 16:40 (2400 Hr Clock)
 ELAPSED HRS: (hrs:min)
 WATER VOL IN CASING: (Gallons)
 ACTUAL VOL PURGED: (Gallons)
 WELL VOLs PURGED:

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or N
 Purging Device: C A- Submersible Pump D-Bailer
 Sampling Device: C B-Peristaltic Pump E-Piston Pump
 X-Other: C-QED Bladder Pump F-Dipper/Bottle
 Filter Device: Y or N 0.45 μ or μ (circle or fill in)
 Filter Type: A-In-line Disposable C-Vacuum
 B-Pressure X-Other
 Sample Tube Type: 0 A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 68.15 (ft)
 Groundwater Elevation (site datum, from TOC): (ft/msl)
 Total Well Depth (from TOC): (ft) Stick Up (from ground elevation): (ft)
 Casing ID: 2 (in) Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		16:45	200 1 st	7.69 1 st	301	21.1	5.1	7.2	151.7
	16:50	225 2 nd	7.54 2 nd	303	21.0	4.3	6.4	147.4	68.75
	16:55	225 3 rd	7.59 3 rd	299	20.9	4.0	6.5	143.2	68.75
	17:00	225 4 th	7.62 4 th	296	20.9	3.9	6.6	142.1	68.8
	17:05	225	7.64	293	20.8	3.0	6.7	141.1	68.8

Suggested range for 3 consec. readings or note Permit/State requirements:
 pH: +/- 0.2 Conductance: +/- 3% Temp: -- Turbidity: -- D.O.: +/- 10% eH/ORP: +/- 25 mV DTW: Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 071023 pH (std): 7.64 CONDUCTANCE (umhos/cm @ 25°C): 293 TEMP. (°C): 20.8 TURBIDITY (ntu): 3.0 DO (mg/L-ppm): 6.7 eH/ORP (mV): 141.1 Other: Units:

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: Clear Odor: None Color: Clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N

FIELD COMMENTS
 Specific Comments (including purge/well volume calculations if required):

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7.10.23 C. Fincher
 Date Name Signature Company

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: MW-116
 Sample ID

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:
116336d4

PURGE INFO
 PURGE DATE (MM DD YY): 071023
 PURGE TIME (2400 Hr Clock): 16:05
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: or N
 Purging Device: C A- Submersible Pump D-Bailer
 Sampling Device: C B-Peristaltic Pump E-Piston Pump
 X-Other: C-QED Bladder Pump F-Dipper/Bottle
 Filter Device: Y or X 0.45 μ or μ (circle or fill in)
 Filter Type: A-In-line Disposable C-Vacuum
 B-Pressure X-Other
 Sample Tube Type: 0 A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 7334 (ft) Groundwater Elevation (site datum, from TOC) (ft/msl)
 Total Well Depth (from TOC) (ft) Stick Up (from ground elevation) (ft) Casing ID 2 (in) Casing Material PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (μmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		16:10	200 1 st	6.97 1 st	400	19.3	4.3	7.5	152.5
	16:15	200 2 nd	6.95 2 nd	386	19.6	4.4	6.4	149.9	75.0
	16:20	200 3 rd	6.99 3 rd	384	19.5	4.0	6.5	148.8	75.75
	16:25	200 4 th	7.01 4 th	381	19.4	4.1	6.6	148.7	75.95
	16:30	200	7.04	380	19.3	4.0	6.6	148.6	76.10
	;								
	;								
	;								
	;								
	;								
	;								

Suggested range for 3 consec. readings or note Permit/State requirements: pH +/- 0.2, Conductance +/- 3%, Temp. --, Turbidity --, D.O. +/- 10%, eH/ORP +/- 25 mV, DTW Stabilize

FIELD DATA
 Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.)
 SAMPLE DATE (MM DD YY): 071023 pH (std): 7.04 CONDUCTANCE (umhos/cm @ 25°C): 380 TEMP. (°C): 19.3 TURBIDITY (ntu): 4.0 DO (mg/L-ppm): 6.6 eH/ORP (mV): 148.6 Other:

Sample Appearance: Clear Odor: None Color: Clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N
 Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7.10.23 C. Fincher
 Date Name Signature Company

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: MW-15
 Sample ID:

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:
11633864

PURGE INFO
 PURGE DATE (MM DD YY): 07/02/23
 PURGE TIME (2400 Hr Clock): 15:30
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: or N
 Purging Device: A-Submersible Pump D-Bailer
 B-Peristaltic Pump E-Piston Pump
 Sampling Device: C-QED Bladder Pump F-Dipper/Bottle
 X-Other:
 Filter Device: Y or 0.45 μ or μ (circle or fill in)
 Filter Type:
 A-In-line Disposable C-Vacuum
 B-Pressure X-Other:
 A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene
 Sample Tube Type: D

WELL DATA
 Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 58.58 (ft) Groundwater Elevation (site datum, from TOC) (ft/msl)
 Total Well Depth (from TOC) (ft) Stick Up (from ground elevation) (ft) Casing ID 2 (in) Casing Material PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		<u>15:35</u>	<u>250</u>	<u>7.33</u>	<u>585</u>	<u>18.1</u>	<u>4.0</u>	<u>6.7</u>	<u>1.669</u>
	<u>15:40</u>	<u>250</u>	<u>6.59</u>	<u>586</u>	<u>17.8</u>	<u>4.0</u>	<u>5.9</u>	<u>1.736</u>	<u>58.7</u>
	<u>15:45</u>	<u>250</u>	<u>6.31</u>	<u>580</u>	<u>17.5</u>	<u>4.0</u>	<u>5.6</u>	<u>1.769</u>	<u>58.7</u>
	<u>15:50</u>	<u>250</u>	<u>6.26</u>	<u>581</u>	<u>17.5</u>	<u>3.9</u>	<u>5.6</u>	<u>1.777</u>	<u>58.7</u>
	<u>15:55</u>	<u>250</u>	<u>6.23</u>	<u>581</u>	<u>17.5</u>	<u>4.2</u>	<u>5.6</u>	<u>1.781</u>	<u>58.7</u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Suggested range for 3 consec. readings or note Permit/State requirements:
 pH: +/- 0.2 Conductance: +/- 3% Temp: -- Turbidity: -- D.O.: +/- 10% eH/ORP: +/- 25 mV DTW: Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 07/02/23
 pH (std): 6.23
 CONDUCTANCE (umhos/cm @ 25°C): 581
 TEMP. (°C): 17.5
 TURBIDITY (ntu): 4.2
 DO (mg/L-ppm): 5.6
 eH/ORP (mV): 1.781
 Other:
 Units:

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: none Color: clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7, 10, 23 C. Finley [Signature] Romas
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

FIELD INFORMATION FORM



Site Name: EVLP
 Site No.: Sample Point: LCW-2
 Sample ID

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:
4633664

PURGE INFO
 PURGE DATE (MM DD YY): 07/10/23 PURGE TIME (2400 Hr Clock): 14:50
 ELAPSED HRS (hrs:min): WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons): WELL VOLs PURGED:

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or N
 Purging Device: A-Submersible Pump D-Bailer
 Sampling Device: C-Peristaltic Pump E-Piston Pump
 X-Other: C-QED Bladder Pump F-Dipper/Bottle
 Filter Device: Y or N 0.45 μ or μ (circle or fill in)
 Filter Type: A-In-line Disposable C-Vacuum
 B-Pressure X-Other
 Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 72.17 (ft)
 Groundwater Elevation (site datum, from TOC): (ft/msl)
 Total Well Depth (from TOC): (ft) Stick Up (from ground elevation): (ft)
 Casing ID: 2 (in) Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (μmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		14:55	200	10.41	682	28.7	8.9	6.9	149.2
	15:00	200	10.51	653	24.0	4.7	7.8	142.7	73.4
	15:05	200	9.28	660	22.5	4.8	6.8	148.6	73.75
	15:10	200	7.70	653	20.7	4.7	6.1	155.1	73.95
	15:15	200	7.30	635	20.0	4.4	6.0	156.8	74.15
	15:20	200	7.27	633	19.9	4.8	5.9	157.2	74.35
	15:25	200	7.24	632	19.7	4.5	5.8	157.6	74.50

Suggested range for 3 consec. readings or note Permit/State requirements: pH +/- 0.2, Conductance +/- 3%, Temp. --, Turbidity --, D.O. +/- 10%, eH/ORP +/- 25 mV, DTW Stabilize

FIELD DATA
 SAMPLE DATE (MM DD YY): 07/10/23 pH (std): 7.24 CONDUCTANCE (umhos/cm @ 25°C): 632 TEMP. (°C): 19.7
 TURBIDITY (ntu): 4.5 DO (mg/L-ppm): 5.8 eH/ORP (mV): 157.6 Other:
 Units:

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.)

Sample Appearance: Clear Odor: None Color: Clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7/10/23 C. Fincher
 Date Name Signature Company

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: 26W-3R
Sample ID

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:
U635864

PURGE INFO
 PURGE DATE (MM DD YY): 071023
 PURGE TIME (2400 Hr Clock): 08:00
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or N
 Purging Device: C A- Submersible Pump D-Bailer
 Sampling Device: C B-Peristaltic Pump E-Piston Pump
 X-Other: C-QED Bladder Pump F-Dipper/Bottle
 Filter Device: Y or X 0.45 μ or μ (circle or fill in)
 Filter Type: A-In-line Disposable C-Vacuum
 B-Pressure X-Other:
 Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 55.19 (ft) Groundwater Elevation (site datum, from TOC): (ft/msl)
 Total Well Depth (from TOC): (ft) Stick Up (from ground elevation): (ft) Casing ID: 2 (in) Casing Material: Pvc

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		08:05	250 1 st	6.06	113	16.8	8.7	7.3	199.1
	08:10	250 2 nd	5.02	104	16.6	11.8	6.2	233.4	55.50
	08:15	250 3 rd	4.81	103	16.7	11.0	6.0	259.4	55.55
	08:20	250 4 th	4.72	102	16.5	11.0	6.0	242.8	55.60
	08:25	250	4.68	102	16.6	11.0	5.9	249.2	55.65
	08:30	250	4.66	102	16.7	11.0	5.9	244.9	55.7
	:								
	:								
	:								
	:								

Suggested range for 3 consec. readings or note Permit/State requirements: +/- 0.2 +/- 3% - - +/- 10% +/- 25 mV Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 071023 pH (std): 4.66 CONDUCTANCE (umhos/cm @ 25°C): 102 TEMP. (°C): 16.7 TURBIDITY (ntu): 11.0 DO (mg/L-ppm): 5.9 eH/ORP (mV): 244.9 Other: Units:

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.)

Sample Appearance: Clear Odor: None Color: Clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N
 Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7,10,23 C. Fincher [Signature] Prouns
 Date Name Signature Company

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: LCW-4
 Sample ID

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:
U1633864

PURGE INFO: 071023 PURGE DATE (MM DD YY)
0845 PURGE TIME (2400 Hr Clock)
 : ELAPSED HRS (hrs:min)
 WATER VOL IN CASING (Gallons)
 ACTUAL VOL PURGED (Gallons)
 WELL VOLS PURGED

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT: Purging and Sampling Equipment ... Dedicated: Y or N
 Purging Device: C A-Submersible Pump D-Bailer
 B-Peristaltic Pump E-Piston Pump
 Sampling Device: C C-QED Bladder Pump F-Dipper/Bottle
 X-Other:
 Filter Device: Y or X 0.45 μ or μ (circle or fill in)
 Filter Type:
 A-In-line Disposable C-Vacuum
 B-Pressure X-Other
 A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene
 Sample Tube Type: 0

WELL DATA: Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 6044 (ft)
 Groundwater Elevation (site datum, from TOC) (ft/msl)
 Total Well Depth (from TOC) (ft) Stick Up (from ground elevation) (ft)
 Casing ID 2 (in) Casing Material PVC
 Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (μmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		<u>08:50</u>	<u>275</u> 1 st	<u>5.40</u> 1 st	<u>625</u>	<u>17.4</u>	<u>5.3</u>	<u>8.4</u>	<u>203.6</u>
	<u>08:55</u>	<u>275</u> 2 nd	<u>6.07</u> 2 nd	<u>760</u>	<u>17.1</u>	<u>7.1</u>	<u>4.3</u>	<u>187.3</u>	<u>60.60</u>
	<u>09:00</u>	<u>275</u> 3 rd	<u>6.12</u> 3 rd	<u>758</u>	<u>17.1</u>	<u>9.7</u>	<u>2.8</u>	<u>184.4</u>	<u>60.65</u>
	<u>09:05</u>	<u>275</u> 4 th	<u>6.14</u> 4 th	<u>757</u>	<u>17.1</u>	<u>10.3</u>	<u>2.7</u>	<u>184.1</u>	<u>60.7</u>
	<u>09:10</u>	<u>275</u>	<u>6.16</u>	<u>759</u>	<u>17.1</u>	<u>9.8</u>	<u>2.5</u>	<u>183.7</u>	<u>60.75</u>
	<u> : </u>								
	<u> : </u>								
	<u> : </u>								
	<u> : </u>								
	<u> : </u>								

Suggested range for 3 consec. readings or note Permit/State requirements: pH +/- 0.2, Conductance +/- 3%, Temp. --, Turbidity --, D.O. +/- 10%, eH/ORP +/- 25 mV, DTW Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA	SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.)	<u>071023</u>	<u>6.16</u>	<u>759</u>	<u>17.1</u>	<u>9.8</u>	<u>2.5</u>	<u>183.7</u>	<u> </u>

Sample Appearance: Clear Odor: None Color: Clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N
 Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS:

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7,10,23 C. Fincher
 Date Name Signature Company

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.: Sample Point: LGW-5
Sample ID

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 4633864

PURGE INFO: 071023 PURGE DATE (MM DD YY)
09:20 PURGE TIME (2400 Hr Clock)
 ELAPSED HRS (hrs:min)
 WATER VOL IN CASING (Gallons)
 ACTUAL VOL PURGED (Gallons)
 WELL VOLs PURGED

PURGING AND SAMPLING EQUIPMENT ... Dedicated: Y or N
 Purging Device: C A-Submersible Pump D-Bailer
 Sampling Device: C B-Peristaltic Pump E-Piston Pump
 X-Other: C-QED Bladder Pump F-Dipper/Bottle
 Filter Device: Y or N 0.45 μ or μ (circle or fill in)
 Filter Type: A-In-line Disposable C-Vacuum
 B-Pressure X-Other
 Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA: Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 70.92 (ft) Groundwater Elevation (site datum, from TOC) (ft/msl)
 Total Well Depth (from TOC) (ft) Stick Up (from ground elevation) (ft) Casing ID 2 (in) Casing Material PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		<u>09:25</u>	<u>250</u>	<u>6.11</u>	<u>749</u>	<u>20.7</u>	<u>57</u>	<u>3.3</u>	<u>179.2</u>
	<u>09:30</u>	<u>250</u>	<u>6.16</u>	<u>768</u>	<u>20.3</u>	<u>36</u>	<u>3.5</u>	<u>192.2</u>	<u>71.0</u>
	<u>09:35</u>	<u>250</u>	<u>6.14</u>	<u>793</u>	<u>20.4</u>	<u>37</u>	<u>1.5</u>	<u>192.8</u>	<u>71.0</u>
	<u>09:40</u>	<u>250</u>	<u>6.14</u>	<u>796</u>	<u>20.5</u>	<u>39</u>	<u>1.3</u>	<u>192.7</u>	<u>71.0</u>
	<u>09:45</u>	<u>250</u>	<u>6.14</u>	<u>798</u>	<u>20.5</u>	<u>38</u>	<u>1.1</u>	<u>192.5</u>	<u>71.0</u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Suggested range for 3 consec. readings or note Permit/State requirements: pH +/- 0.2, Conductance +/- 3%, Temp. --, Turbidity --, D.O. +/- 10%, eH/ORP +/- 25 mV, Stabilize

FIELD DATA: SAMPLE DATE (MM DD YY) 071023 pH (std) 6.14 CONDUCTANCE (umhos/cm @ 25°C) 798 TEMP. (°C) 20.5 TURBIDITY (ntu) 38 DO (mg/L-ppm) 1.1 eH/ORP (mV) 192.5 Other:
 Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: Clear Odor: None Color: Clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7.10.23 C. Fincher [Signature] Browns
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: LGW-6
 Sample ID:

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:
U633864

PURGE INFO
 PURGE DATE (MM DD YY): 07/10/23
 PURGE TIME (2400 Hr Clock): 12:00
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or N
 Purging Device: C A- Submersible Pump D-Bailer
 Sampling Device: C B-Peristaltic Pump E-Piston Pump
 X-Other: C-QED Bladder Pump F-Dipper/Bottle
 Filter Device: Y or X 0.45 μ or μ (circle or fill in)
 Filter Type: A-In-line Disposable C-Vacuum
 B-Pressure X-Other:
 Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 50.40 (ft) Groundwater Elevation (site datum, from TOC): (ft/msl)
 Total Well Depth (from TOC): (ft) Stick Up (from ground elevation): (ft) Casing ID: 2 (in) Casing Material: Pvc
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		<u>12:05</u>	<u>250</u>	<u>9.96</u>	<u>650</u>	<u>20.2</u>	<u>4.8</u>	<u>5.6</u>	<u>164.9</u>
	<u>12:10</u>	<u>250</u>	<u>7.53</u>	<u>706</u>	<u>19.7</u>	<u>4.3</u>	<u>1.9</u>	<u>179.0</u>	<u>50.45</u>
	<u>12:15</u>	<u>250</u>	<u>6.89</u>	<u>720</u>	<u>19.5</u>	<u>4.3</u>	<u>1.3</u>	<u>179.7</u>	<u>50.45</u>
	<u>12:20</u>	<u>250</u>	<u>6.49</u>	<u>730</u>	<u>19.3</u>	<u>4.3</u>	<u>1.0</u>	<u>180.4</u>	<u>50.45</u>
	<u>12:25</u>	<u>250</u>	<u>6.30</u>	<u>741</u>	<u>19.4</u>	<u>4.2</u>	<u>0.5</u>	<u>179.7</u>	<u>50.45</u>
	<u>12:30</u>	<u>250</u>	<u>6.28</u>	<u>744</u>	<u>19.5</u>	<u>4.3</u>	<u>0.5</u>	<u>179.6</u>	<u>50.45</u>
	<u>12:35</u>	<u>250</u>	<u>6.27</u>	<u>749</u>	<u>19.4</u>	<u>4.2</u>	<u>0.4</u>	<u>179.4</u>	<u>50.45</u>
	<u> : </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> : </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> : </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Suggested range for 3 consec. readings or note Permit/State requirements:
 pH: +/- 0.2 Conductance: +/- 3% Temp: -- Turbidity: -- D.O.: +/- 10% eH/ORP: +/- 25 mV DTW: Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 07/10/23
 pH (std): 6.27
 CONDUCTANCE (umhos/cm @ 25°C): 749
 TEMP. (°C): 19.4
 TURBIDITY (ntu): 1.2
 DO (mg/L-ppm): 0.4
 eH/ORP (mV): 179.4
 Other:

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: none Color: clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N
 Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS
Dup 1 @ 0700 + 77.77'

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7.10.23 C. Finley [Signature] [Signature]
 Date Name Signature Company

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: LGW-8R
 Sample ID

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:
410335604

PURGE INFO
 PURGE DATE (MM DD YY): 07/10/23
 PURGE TIME (2400 Hr Clock): 10:50
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:
Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or N
 Purging Device: C A-Submersible Pump D-Bailer
 Sampling Device: C B-Peristaltic Pump E-Piston Pump
 X-Other: C-QED Bladder Pump F-Dipper/Bottle
 Filter Device: Y or N 0.45 μ or μ (circle or fill in)
 Filter Type: A-In-line Disposable C-Vacuum
 B-Pressure X-Other:
 Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 10.78 (ft) Groundwater Elevation (site datum, from TOC) (ft/msl)
 Total Well Depth (from TOC) (ft) Stick Up (from ground elevation) (ft) Casing ID 2 (in) Casing Material PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
10:55	225 1 st	7.12	776	17.1	4.0	0.8	173.4	110.95
11:00	225 2 nd	6.60	780	16.8	3.7	0.3	172.5	110.95
11:05	225 3 rd	6.45	781	16.8	3.8	0.2	172.2	111.00
11:10	225 4 th	6.44	782	16.9	3.8	0.2	172.1	111.00
11:15	225	6.42	779	16.9	3.7	0.2	172.2	111.00

Suggested range for 3 consec. readings or note Permit/State requirements:
 pH: +/- 0.2 Conductance: +/- 3% Temp: - Turbidity: - D.O.: +/- 10% eH/ORP: +/- 25 mV DTW: Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 07/10/23
 pH (std): 6.42
 CONDUCTANCE (umhos/cm @ 25°C): 779
 TEMP. (°C): 16.9
 TURBIDITY (ntu): 3.7
 DO (mg/L-ppm): 0.2
 eH/ORP (mV): 172.2
 Other:
 Units:
Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.)

Sample Appearance: Clear Odor: NONE Color: Clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7/10/23 C. Finckel [Signature] Proimus
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: LGW-9
 Sample ID:

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:
11633864

PURGE INFO
 PURGE DATE: 071023 (MM DD YY)
 PURGE TIME: 13:30 (2400 Hr Clock)
 ELAPSED HRS: (hrs:min)
 WATER VOL IN CASING: (Gallons)
 ACTUAL VOL PURGED: (Gallons)
 WELL VOLS PURGED:

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or N
 Purging Device: C A- Submersible Pump D-Bailer
 B-Peristaltic Pump E-Piston Pump
 Sampling Device: C C-QED Bladder Pump F-Dipper/Bottle
 X-Other:
 Filter Device: Y or X 0.45 μ or μ (circle or fill in)
 Filter Type:
 Sample Tube Type: D
 A-In-line Disposable C-Vacuum
 B-Pressure X-Other:
 A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 54.44 (ft)
 Groundwater Elevation (site datum, from TOC): (ft/msl)
 Total Well Depth (from TOC): (ft) Stick Up (from ground elevation): (ft)
 Casing ID: 2 (in) Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		<u>13:35</u>	<u>250</u> 1 st	<u>7.00</u> 1 st	<u>790</u>	<u>18.5</u>	<u>6.4</u>	<u>4.6</u>	<u>172.4</u>
	<u>13:40</u>	<u>250</u> 2 nd	<u>6.48</u> 2 nd	<u>825</u>	<u>18.0</u>	<u>4.1</u>	<u>0.9</u>	<u>180.4</u>	<u>55.75</u>
	<u>13:45</u>	<u>250</u> 3 rd	<u>6.20</u> 3 rd	<u>831</u>	<u>18.1</u>	<u>3.9</u>	<u>0.5</u>	<u>180.8</u>	<u>55.8</u>
	<u>13:50</u>	<u>250</u> 4 th	<u>6.18</u> 4 th	<u>833</u>	<u>18.1</u>	<u>4.1</u>	<u>0.4</u>	<u>180.9</u>	<u>55.8</u>
	<u>13:55</u>	<u>250</u>	<u>6.17</u>	<u>834</u>	<u>18.1</u>	<u>3.9</u>	<u>0.4</u>	<u>181.0</u>	<u>55.8</u>

Suggested range for 3 consec. readings or note Permit/State requirements:
 pH: +/- 0.2 Conductance: +/- 3% Temp: -- Turbidity: -- D.O.: +/- 10% eH/ORP: +/- 25 mV DTW: Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 071023 pH (std): 6.17 CONDUCTANCE (umhos/cm @ 25°C): 834 TEMP. (°C): 18.1 TURBIDITY (ntu): 3.9 DO (mg/L-ppm): 0.4 eH/ORP (mV): 181.0 Other: Units:

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: none Color: clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N
 Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7.10.23 C. Finckh [Signature] Promis
 Date Name Signature Company

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: CLW-10
 Sample ID

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only Lab ID:
11633864

PURGE INFO
 PURGE DATE (MM DD YY): 071023
 PURGE TIME (2400 Hr Clock): 14:05
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or N
 Purging Device: A-Submersible Pump D-Bailer
 B-Peristaltic Pump E-Piston Pump
 C-QED Bladder Pump F-Dipper/Bottle
 X-Other:
 Filter Device: Y or N 0.45 μ or μ (circle or fill in)
 Filter Type:
 A-In-line Disposable C-Vacuum
 B-Pressure X-Other:
 A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene
 Sample Tube Type: 0

WELL DATA
 Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 59.55 (ft) Groundwater Elevation (site datum, from TOC) (ft/msl)
 Total Well Depth (from TOC) (ft) Stick Up (from ground elevation) (ft) Casing ID 2 (in) Casing Material Pvc

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		14:10	200 1 st	6.85 1 st	922	20.2	10.8	5.3	155.9
	14:15	200 2 nd	6.52 2 nd	940	19.1	8.2	1.2	171.8	60.20
	14:20	200 3 rd	6.38 3 rd	931	19.0	5.8	10.4	171.7	60.25
	14:25	200 4 th	6.36 4 th	929	19.1	5.3	10.4	171.7	60.25
	14:30	200	6.36	929	19.0	5.4	10.3	171.6	60.25
	↓								
	↓								
	↓								
	↓								
	↓								

Suggested range for 3 consec. readings or note Permit/State requirements:
 pH: +/- 0.2 Conductance: +/- 3% Temp: - Turbidity: - D.O.: +/- 10% eH/ORP: +/- 25 mV DTW: Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 071023
 pH (std): 6.36
 CONDUCTANCE (umhos/cm @ 25°C): 929
 TEMP. (°C): 19.0
 TURBIDITY (ntu): 5.4
 DO (mg/L-ppm): 0.3
 eH/ORP (mV): 171.6
 Other:
 Units:

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: none Color: clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7, 10, 23 I. Fowler [Signature] Promus
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: LCW14R
 Sample ID:

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:
4633864

PURGE INFO
 PURGE DATE: 07/10/23 PURGE TIME: 11:45 ELAPSED HRS:
 WATER VOL IN CASING: ACTUAL VOL PURGED: WELL VOLS PURGED:
(MM DD YY) (2400 Hr Clock) (hrs:min) (Gallons) (Gallons) (ft/msl)
Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or N
 Purging Device: C A- Submersible Pump D-Bailer
 Sampling Device: C B-Peristaltic Pump E-Piston Pump
 X-Other: C-QED Bladder Pump F-Dipper/Bottle
 Filter Device: Y or N 0.45 μ or μ (circle or fill in)
 Filter Type: A-In-line Disposable C-Vacuum
 B-Pressure X-Other
 Sample Tube Type: 0 A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 56.15 (ft) Groundwater Elevation (site datum, from TOC): (ft/msl)
 Total Well Depth (from TOC): (ft) Stick Up (from ground elevation): (ft) Casing ID: 2 (in) Casing Material: PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		<u>12:50</u>	<u>225</u> 1 st	<u>7.42</u> 1 st	<u>577</u>	<u>19.5</u>	<u>4.3</u>	<u>6.0</u>	<u>150.0</u>
	<u>12:55</u>	<u>225</u> 2 nd	<u>7.18</u> 2 nd	<u>599</u>	<u>19.3</u>	<u>4.2</u>	<u>5.1</u>	<u>154.3</u>	<u>58.85</u>
	<u>13:00</u>	<u>225</u> 3 rd	<u>6.95</u> 3 rd	<u>599</u>	<u>19.2</u>	<u>4.3</u>	<u>4.9</u>	<u>155.8</u>	<u>59.15</u>
	<u>13:05</u>	<u>225</u> 4 th	<u>6.89</u> 4 th	<u>598</u>	<u>19.2</u>	<u>4.4</u>	<u>4.7</u>	<u>156.9</u>	<u>59.25</u>
	<u>13:10</u>	<u>225</u>	<u>6.80</u>	<u>599</u>	<u>19.3</u>	<u>4.3</u>	<u>4.5</u>	<u>157.9</u>	<u>59.35</u>
	<u>13:15</u>	<u>225</u>	<u>6.81</u>	<u>598</u>	<u>19.2</u>	<u>4.3</u>	<u>4.5</u>	<u>158.2</u>	<u>59.45</u>
	<u>13:20</u>	<u>225</u>	<u>6.82</u>	<u>597</u>	<u>19.3</u>	<u>4.4</u>	<u>4.6</u>	<u>158.8</u>	<u>59.5</u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Suggested range for 3 consec. readings or note Permit/State requirements:
 pH: +/- 0.2 Conductance: +/- 3% Temp: -- Turbidity: -- D.O.: +/- 10% eH/ORP: +/- 25 mV DTW: Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 07/10/23 pH (std): 6.82 CONDUCTANCE (umhos/cm @ 25°C): 597 TEMP. (°C): 19.3 TURBIDITY (ntu): 4.4 DO (mg/L-ppm): 4.6 eH/ORP (mV): 158.8 Other:
 Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: Clear Odor: None Color: Clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N
 Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7/10/23 C. Fincher [Signature] Pro mms
 Date Name Signature Company
 DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

U163386A

<u>Tracking Numbers</u>	<u>Temperature</u>
6525 5570 5921	GBA6 5.470 = 5.4
6525 5570 5895	GBA6 2.670 = 2.6
6525 5570 5932	GBA6 2.770 = 2.7
6525 5570 5873	GBA6 1.220 = 1.2
6525 5570 5910	GBA6 5.470 = 5.4
6525 5570 5900	GBA6 3.570 = 3.5

July 25, 2023

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Eco-Vista (Tontitown)LF

Sample Delivery Group: L1633566
Samples Received: 07/08/2023
Project Number: 200
Description: Eco-Vista - GW-July
Site: AR03
Report To: Jodi Reynolds
88 Joyce Lane
Russellville, AR 72801

Entire Report Reviewed By:



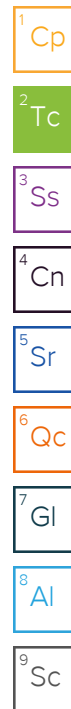
Stacy Kennedy
Project Manager

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 National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

MW-3N L1633566-01 GW

Collected by: Chris Fincher
 Collected date/time: 07/07/23 11:10
 Received date/time: 07/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2093348	1	07/12/23 12:57	07/12/23 14:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2093202	1	07/12/23 11:21	07/12/23 11:21	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2091558	1	07/12/23 16:06	07/12/23 16:06	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092694	1	07/11/23 19:35	07/11/23 19:35	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096273	1	07/18/23 06:32	07/18/23 06:32	KMC	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2098147	1	07/21/23 19:19	07/21/23 19:19	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092145	1	07/11/23 11:22	07/18/23 17:21	SPL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2091636	1	07/10/23 11:18	07/13/23 15:31	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 00:05	07/12/23 00:05	JAH	Mt. Juliet, TN



MW-7N L1633566-02 GW

Collected by: Chris Fincher
 Collected date/time: 07/07/23 09:50
 Received date/time: 07/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2093348	1	07/12/23 12:57	07/12/23 14:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2093202	1	07/12/23 11:47	07/12/23 11:47	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2091558	1	07/12/23 16:08	07/12/23 16:08	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092694	5	07/11/23 19:39	07/11/23 19:39	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096273	1	07/18/23 06:44	07/18/23 06:44	KMC	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2098147	1	07/21/23 19:34	07/21/23 19:34	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092145	1	07/11/23 11:22	07/18/23 17:24	SPL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2091636	1	07/10/23 11:18	07/13/23 15:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 00:24	07/12/23 00:24	JAH	Mt. Juliet, TN

MW-8N L1633566-03 GW

Collected by: Chris Fincher
 Collected date/time: 07/07/23 08:55
 Received date/time: 07/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2093348	1	07/12/23 12:57	07/12/23 14:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2093202	1	07/12/23 11:50	07/12/23 11:50	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2091558	1	07/12/23 16:09	07/12/23 16:09	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092694	2	07/11/23 19:40	07/11/23 19:40	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096273	1	07/18/23 06:57	07/18/23 06:57	KMC	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2098147	1	07/21/23 20:23	07/21/23 20:23	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092145	1	07/11/23 11:22	07/18/23 17:27	SPL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2091636	1	07/10/23 11:18	07/13/23 15:38	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 00:43	07/12/23 00:43	JAH	Mt. Juliet, TN

MW-10N L1633566-04 GW

Collected by: Chris Fincher
 Collected date/time: 07/07/23 10:35
 Received date/time: 07/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2093348	1	07/12/23 12:57	07/12/23 14:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2093202	1	07/12/23 11:54	07/12/23 11:54	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2091558	1	07/12/23 16:11	07/12/23 16:11	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092816	1	07/11/23 20:00	07/11/23 20:00	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096273	1	07/18/23 07:09	07/18/23 07:09	KMC	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2098147	1	07/21/23 20:38	07/21/23 20:38	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092145	1	07/11/23 11:22	07/18/23 17:29	SPL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2091636	1	07/10/23 11:18	07/13/23 15:41	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 01:01	07/12/23 01:01	JAH	Mt. Juliet, TN

SAMPLE SUMMARY

MW-21 L1633566-05 GW

Collected by: Chris Fincher
 Collected date/time: 07/07/23 12:50
 Received date/time: 07/08/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2093348	1	07/12/23 12:57	07/12/23 14:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2093202	1	07/12/23 11:58	07/12/23 11:58	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2091558	1	07/12/23 16:12	07/12/23 16:12	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092816	1	07/11/23 20:01	07/11/23 20:01	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096273	1	07/18/23 07:22	07/18/23 07:22	KMC	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2098147	1	07/21/23 20:52	07/21/23 20:52	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092145	1	07/11/23 11:22	07/18/23 17:38	SPL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2091636	1	07/10/23 11:18	07/13/23 15:45	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/12/23 01:20	07/12/23 01:20	JAH	Mt. Juliet, TN

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

TRIPBLANK L1633566-06 GW

Collected by: Chris Fincher
 Collected date/time: 07/07/23 00:00
 Received date/time: 07/08/23 09:00

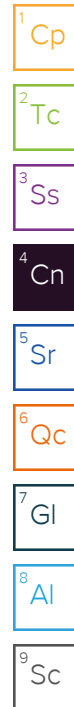
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093044	1	07/11/23 23:47	07/11/23 23:47	JAH	Mt. Juliet, TN

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.

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
WG2093348	(DUP) R3948623-4	Dissolved Solids

Metals (ICP) by Method 6010B

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

Batch	Lab Sample ID	Analytes
WG2092145	(MSD) R3949977-5	Sodium, Total Recoverable

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

Analyte	Result	Units
pH (On Site)	6.08	su
Specific Conductance (on site)	632	umhos/cm
Temperature (on-site)	21.1	Deg. C
Turbidity (on-site)	5.4	NTU
Dissolved Oxygen (on-site)	0.9	mg/l
eH/ORP (On Site)	166.3	mV
Depth to water (DTW) (FROM TOC)	44.61	ft

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 date / time	Batch
Dissolved Solids	327		10.0	1	07/12/2023 14:00	WG2093348

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	270		10.0	1	07/12/2023 11:21	WG2093202
Alkalinity,Bicarbonate	270		10.0	1	07/12/2023 11:21	WG2093202
Alkalinity,Carbonate	ND		10.0	1	07/12/2023 11:21	WG2093202

Sample Narrative:

L1633566-01 WG2093202: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 16:06	WG2091558

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.761		0.100	1	07/11/2023 19:35	WG2092694

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	5.83		3.00	1	07/18/2023 06:32	WG2096273
Sulfate	21.6		5.00	1	07/18/2023 06:32	WG2096273

Wet Chemistry by Method 9060A

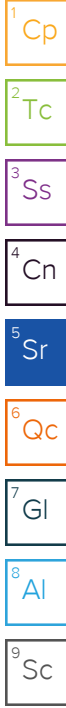
Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	2.06		1.00	1	07/21/2023 19:19	WG2098147

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/18/2023 17:21	WG2092145
Barium, Total Recoverable	0.0724		0.00500	1	07/18/2023 17:21	WG2092145
Calcium, Total Recoverable	111		0.200	1	07/18/2023 17:21	WG2092145
Iron, Total Recoverable	ND		0.0600	1	07/18/2023 17:21	WG2092145
Potassium, Total Recoverable	ND		3.00	1	07/18/2023 17:21	WG2092145

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	3.63		0.200	1	07/18/2023 17:21	WG2092145
Manganese, Total Recoverable	0.142		0.00300	1	07/18/2023 17:21	WG2092145
Sodium, Total Recoverable	ND		5.00	1	07/18/2023 17:21	WG2092145
Lead, Total Recoverable	ND		0.00500	1	07/18/2023 17:21	WG2092145
Selenium, Total Recoverable	ND		0.0100	1	07/18/2023 17:21	WG2092145



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	07/13/2023 15:31	WG2091636
Beryllium, Total Recoverable	ND		0.00100	1	07/13/2023 15:31	WG2091636
Cadmium, Total Recoverable	0.00698		0.00100	1	07/13/2023 15:31	WG2091636
Cobalt, Total Recoverable	ND		0.00300	1	07/13/2023 15:31	WG2091636
Chromium, Total Recoverable	ND		0.00300	1	07/13/2023 15:31	WG2091636
Copper, Total Recoverable	ND		0.00400	1	07/13/2023 15:31	WG2091636
Nickel, Total Recoverable	0.00955		0.00400	1	07/13/2023 15:31	WG2091636
Antimony, Total Recoverable	ND		0.00200	1	07/13/2023 15:31	WG2091636
Thallium, Total Recoverable	ND		0.00100	1	07/13/2023 15:31	WG2091636
Vanadium, Total Recoverable	ND		0.00300	1	07/13/2023 15:31	WG2091636
Zinc, Total Recoverable	0.0526		0.00500	1	07/13/2023 15:31	WG2091636

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	07/12/2023 00:05	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 00:05	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 00:05	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 00:05	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 00:05	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 00:05	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 00:05	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 00:05	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 00:05	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 00:05	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 00:05	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 00:05	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 00:05	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 00:05	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 00:05	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 00:05	WG2093044
Acetone	ND		10.0	1	07/12/2023 00:05	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 00:05	WG2093044
Benzene	ND		1.00	1	07/12/2023 00:05	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 00:05	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 00:05	WG2093044
Bromoform	ND		1.00	1	07/12/2023 00:05	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 00:05	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 00:05	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 00:05	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 00:05	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 00:05	WG2093044
Chloroform	ND		1.00	1	07/12/2023 00:05	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 00:05	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 00:05	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 00:05	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 00:05	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 00:05	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 00:05	WG2093044
Styrene	ND		1.00	1	07/12/2023 00:05	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 00:05	WG2093044
Toluene	ND		1.00	1	07/12/2023 00:05	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 00:05	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 00:05	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 00:05	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 00:05	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 00:05	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 00:05	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 00:05	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 00:05	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 00:05	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 00:05	WG2093044
(S) 1,2-Dichloroethane-d4	104			70.0-130	07/12/2023 00:05	WG2093044
(S) 4-Bromofluorobenzene	96.1			77.0-126	07/12/2023 00:05	WG2093044
(S) Toluene-d8	104			80.0-120	07/12/2023 00:05	WG2093044

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)	6.22	su
Specific Conductance (on site)	624	umhos/cm
Temperature (on-site)	18.5	Deg. C
Turbidity (on-site)	3.8	NTU
Dissolved Oxygen (on-site)	4.4	mg/l
eH/ORP (On Site)	165.9	mV
Depth to water (DTW) (FROM TOC)	87.1	ft

- 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 date / time	Batch
Dissolved Solids	321		10.0	1	07/12/2023 14:00	WG2093348

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	192		10.0	1	07/12/2023 11:47	WG2093202
Alkalinity,Bicarbonate	192		10.0	1	07/12/2023 11:47	WG2093202
Alkalinity,Carbonate	ND		10.0	1	07/12/2023 11:47	WG2093202

Sample Narrative:

L1633566-02 WG2093202: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 16:08	WG2091558

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	6.65		0.100	5	07/11/2023 19:39	WG2092694

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	31.6		3.00	1	07/18/2023 06:44	WG2096273
Sulfate	20.6		5.00	1	07/18/2023 06:44	WG2096273

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	2.62		1.00	1	07/21/2023 19:34	WG2098147

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/18/2023 17:24	WG2092145
Barium, Total Recoverable	0.134		0.00500	1	07/18/2023 17:24	WG2092145
Calcium, Total Recoverable	74.2		0.200	1	07/18/2023 17:24	WG2092145
Iron, Total Recoverable	ND		0.0600	1	07/18/2023 17:24	WG2092145
Potassium, Total Recoverable	ND		3.00	1	07/18/2023 17:24	WG2092145

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	4.48		0.200	1	07/18/2023 17:24	WG2092145
Manganese, Total Recoverable	0.00909	J	0.00300	1	07/18/2023 17:24	WG2092145
Sodium, Total Recoverable	33.3		5.00	1	07/18/2023 17:24	WG2092145
Lead, Total Recoverable	ND		0.00500	1	07/18/2023 17:24	WG2092145
Selenium, Total Recoverable	ND		0.0100	1	07/18/2023 17:24	WG2092145

1 Cp

2 Tc

3 Ss

4 Cn

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	07/13/2023 15:35	WG2091636
Beryllium, Total Recoverable	ND		0.00100	1	07/13/2023 15:35	WG2091636
Cadmium, Total Recoverable	ND		0.00100	1	07/13/2023 15:35	WG2091636
Cobalt, Total Recoverable	ND		0.00300	1	07/13/2023 15:35	WG2091636
Chromium, Total Recoverable	ND		0.00300	1	07/13/2023 15:35	WG2091636
Copper, Total Recoverable	ND		0.00400	1	07/13/2023 15:35	WG2091636
Nickel, Total Recoverable	ND		0.00400	1	07/13/2023 15:35	WG2091636
Antimony, Total Recoverable	ND		0.00200	1	07/13/2023 15:35	WG2091636
Thallium, Total Recoverable	ND		0.00100	1	07/13/2023 15:35	WG2091636
Vanadium, Total Recoverable	ND		0.00300	1	07/13/2023 15:35	WG2091636
Zinc, Total Recoverable	0.00948	J	0.00500	1	07/13/2023 15:35	WG2091636

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	07/12/2023 00:24	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 00:24	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 00:24	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 00:24	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 00:24	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 00:24	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 00:24	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 00:24	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 00:24	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 00:24	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 00:24	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 00:24	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 00:24	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 00:24	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 00:24	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 00:24	WG2093044
Acetone	ND		10.0	1	07/12/2023 00:24	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 00:24	WG2093044
Benzene	ND		1.00	1	07/12/2023 00:24	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 00:24	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 00:24	WG2093044
Bromoform	ND		1.00	1	07/12/2023 00:24	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 00:24	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 00:24	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 00:24	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 00:24	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 00:24	WG2093044
Chloroform	ND		1.00	1	07/12/2023 00:24	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 00:24	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 00:24	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 00:24	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 00:24	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 00:24	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 00:24	WG2093044
Styrene	ND		1.00	1	07/12/2023 00:24	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 00:24	WG2093044
Toluene	ND		1.00	1	07/12/2023 00:24	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 00:24	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 00:24	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 00:24	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 00:24	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 00:24	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 00:24	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 00:24	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 00:24	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 00:24	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 00:24	WG2093044
(S) 1,2-Dichloroethane-d4	102			70.0-130	07/12/2023 00:24	WG2093044
(S) 4-Bromofluorobenzene	97.8			77.0-126	07/12/2023 00:24	WG2093044
(S) Toluene-d8	106			80.0-120	07/12/2023 00:24	WG2093044

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

Analyte	Result	Units
pH (On Site)	5.74	su
Specific Conductance (on site)	532	umhos/cm
Temperature (on-site)	17.2	Deg. C
Turbidity (on-site)	3.5	NTU
Dissolved Oxygen (on-site)	0.5	mg/l
eH/ORP (On Site)	182.7	mV
Depth to water (DTW) (FROM TOC)	29.89	ft

- 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 date / time	Batch
Dissolved Solids	261		10.0	1	07/12/2023 14:00	WG2093348

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	169		10.0	1	07/12/2023 11:50	WG2093202
Alkalinity,Bicarbonate	169		10.0	1	07/12/2023 11:50	WG2093202
Alkalinity,Carbonate	ND		10.0	1	07/12/2023 11:50	WG2093202

Sample Narrative:

L1633566-03 WG2093202: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 16:09	WG2091558

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.86		0.100	2	07/11/2023 19:40	WG2092694

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	29.6		3.00	1	07/18/2023 06:57	WG2096273
Sulfate	19.7		5.00	1	07/18/2023 06:57	WG2096273

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	2.50		1.00	1	07/21/2023 20:23	WG2098147

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/18/2023 17:27	WG2092145
Barium,Total Recoverable	0.141		0.00500	1	07/18/2023 17:27	WG2092145
Calcium, Total Recoverable	52.8		0.200	1	07/18/2023 17:27	WG2092145
Iron, Total Recoverable	ND		0.0600	1	07/18/2023 17:27	WG2092145
Potassium, Total Recoverable	3.85		3.00	1	07/18/2023 17:27	WG2092145

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	8.35		0.200	1	07/18/2023 17:27	WG2092145
Manganese, Total Recoverable	2.66		0.00300	1	07/18/2023 17:27	WG2092145
Sodium, Total Recoverable	27.0		5.00	1	07/18/2023 17:27	WG2092145
Lead, Total Recoverable	ND		0.00500	1	07/18/2023 17:27	WG2092145
Selenium, Total Recoverable	ND		0.0100	1	07/18/2023 17:27	WG2092145

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

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	07/13/2023 15:38	WG2091636
Beryllium, Total Recoverable	ND		0.00100	1	07/13/2023 15:38	WG2091636
Cadmium, Total Recoverable	0.00758		0.00100	1	07/13/2023 15:38	WG2091636
Cobalt, Total Recoverable	ND		0.00300	1	07/13/2023 15:38	WG2091636
Chromium, Total Recoverable	ND		0.00300	1	07/13/2023 15:38	WG2091636
Copper, Total Recoverable	ND		0.00400	1	07/13/2023 15:38	WG2091636
Nickel, Total Recoverable	0.0203		0.00400	1	07/13/2023 15:38	WG2091636
Antimony, Total Recoverable	ND		0.00200	1	07/13/2023 15:38	WG2091636
Thallium, Total Recoverable	ND		0.00100	1	07/13/2023 15:38	WG2091636
Vanadium, Total Recoverable	ND		0.00300	1	07/13/2023 15:38	WG2091636
Zinc, Total Recoverable	0.0147	J	0.00500	1	07/13/2023 15:38	WG2091636

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	07/12/2023 00:43	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 00:43	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 00:43	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 00:43	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 00:43	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 00:43	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 00:43	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 00:43	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 00:43	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 00:43	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 00:43	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 00:43	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 00:43	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 00:43	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 00:43	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 00:43	WG2093044
Acetone	ND		10.0	1	07/12/2023 00:43	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 00:43	WG2093044
Benzene	ND		1.00	1	07/12/2023 00:43	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 00:43	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 00:43	WG2093044
Bromoform	ND		1.00	1	07/12/2023 00:43	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 00:43	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 00:43	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 00:43	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 00:43	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 00:43	WG2093044
Chloroform	ND		1.00	1	07/12/2023 00:43	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 00:43	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 00:43	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 00:43	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 00:43	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 00:43	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 00:43	WG2093044
Styrene	ND		1.00	1	07/12/2023 00:43	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 00:43	WG2093044
Toluene	ND		1.00	1	07/12/2023 00:43	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 00:43	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 00:43	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 00:43	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 00:43	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 00:43	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 00:43	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 00:43	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 00:43	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 00:43	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 00:43	WG2093044
(S) 1,2-Dichloroethane-d4	104			70.0-130	07/12/2023 00:43	WG2093044
(S) 4-Bromofluorobenzene	96.3			77.0-126	07/12/2023 00:43	WG2093044
(S) Toluene-d8	103			80.0-120	07/12/2023 00:43	WG2093044

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

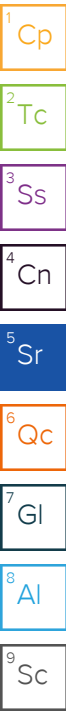
7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.76	su
Specific Conductance (on site)	514	umhos/cm
Temperature (on-site)	16.5	Deg. C
Turbidity (on-site)	4.4	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	141.1	mV
Depth to water (DTW) (FROM TOC)	30.25	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	249		10.0	1	07/12/2023 14:00	WG2093348

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	241		10.0	1	07/12/2023 11:54	WG2093202
Alkalinity,Bicarbonate	241		10.0	1	07/12/2023 11:54	WG2093202
Alkalinity,Carbonate	ND		10.0	1	07/12/2023 11:54	WG2093202

Sample Narrative:

L1633566-04 WG2093202: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.125		0.100	1	07/12/2023 16:11	WG2091558

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/11/2023 20:00	WG2092816

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	4.98		3.00	1	07/18/2023 07:09	WG2096273
Sulfate	ND		5.00	1	07/18/2023 07:09	WG2096273

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	5.01		1.00	1	07/21/2023 20:38	WG2098147

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/18/2023 17:29	WG2092145
Barium, Total Recoverable	0.0252		0.00500	1	07/18/2023 17:29	WG2092145
Calcium, Total Recoverable	32.1		0.200	1	07/18/2023 17:29	WG2092145
Iron, Total Recoverable	1.14		0.0600	1	07/18/2023 17:29	WG2092145
Potassium, Total Recoverable	ND		3.00	1	07/18/2023 17:29	WG2092145

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	11.3		0.200	1	07/18/2023 17:29	WG2092145
Manganese, Total Recoverable	0.0373		0.00300	1	07/18/2023 17:29	WG2092145
Sodium, Total Recoverable	52.3		5.00	1	07/18/2023 17:29	WG2092145
Lead, Total Recoverable	ND		0.00500	1	07/18/2023 17:29	WG2092145
Selenium, Total Recoverable	ND		0.0100	1	07/18/2023 17:29	WG2092145

1 Cp
2 Tc
3 Ss
4 Cn

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	07/13/2023 15:41	WG2091636
Beryllium, Total Recoverable	ND		0.00100	1	07/13/2023 15:41	WG2091636
Cadmium, Total Recoverable	ND		0.00100	1	07/13/2023 15:41	WG2091636
Cobalt, Total Recoverable	ND		0.00300	1	07/13/2023 15:41	WG2091636
Chromium, Total Recoverable	ND		0.00300	1	07/13/2023 15:41	WG2091636
Copper, Total Recoverable	ND		0.00400	1	07/13/2023 15:41	WG2091636
Nickel, Total Recoverable	ND		0.00400	1	07/13/2023 15:41	WG2091636
Antimony, Total Recoverable	ND		0.00200	1	07/13/2023 15:41	WG2091636
Thallium, Total Recoverable	ND		0.00100	1	07/13/2023 15:41	WG2091636
Vanadium, Total Recoverable	ND		0.00300	1	07/13/2023 15:41	WG2091636
Zinc, Total Recoverable	ND		0.00500	1	07/13/2023 15:41	WG2091636

5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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	07/12/2023 01:01	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 01:01	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 01:01	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 01:01	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 01:01	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 01:01	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 01:01	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 01:01	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 01:01	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 01:01	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 01:01	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 01:01	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 01:01	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 01:01	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 01:01	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 01:01	WG2093044
Acetone	ND		10.0	1	07/12/2023 01:01	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 01:01	WG2093044
Benzene	ND		1.00	1	07/12/2023 01:01	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 01:01	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 01:01	WG2093044
Bromoform	ND		1.00	1	07/12/2023 01:01	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 01:01	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 01:01	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 01:01	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 01:01	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 01:01	WG2093044
Chloroform	ND		1.00	1	07/12/2023 01:01	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 01:01	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 01:01	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 01:01	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 01:01	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 01:01	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 01:01	WG2093044
Styrene	ND		1.00	1	07/12/2023 01:01	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 01:01	WG2093044
Toluene	ND		1.00	1	07/12/2023 01:01	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 01:01	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 01:01	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 01:01	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 01:01	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 01:01	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 01:01	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 01:01	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 01:01	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 01:01	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 01:01	WG2093044
(S) 1,2-Dichloroethane-d4	107			70.0-130	07/12/2023 01:01	WG2093044
(S) 4-Bromofluorobenzene	96.3			77.0-126	07/12/2023 01:01	WG2093044
(S) Toluene-d8	103			80.0-120	07/12/2023 01:01	WG2093044

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

Analyte	Result	Units
pH (On Site)	5.38	su
Specific Conductance (on site)	307	umhos/cm
Temperature (on-site)	18.8	Deg. C
Turbidity (on-site)	10.1	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	185.7	mV
Depth to water (DTW) (FROM TOC)	23.51	ft

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 date / time	Batch
Dissolved Solids	160		10.0	1	07/12/2023 14:00	WG2093348

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	83.1		10.0	1	07/12/2023 11:58	WG2093202
Alkalinity,Bicarbonate	83.1		10.0	1	07/12/2023 11:58	WG2093202
Alkalinity,Carbonate	ND		10.0	1	07/12/2023 11:58	WG2093202

Sample Narrative:

L1633566-05 WG2093202: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 16:12	WG2091558

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	2.28		0.100	1	07/11/2023 20:01	WG2092816

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	17.4		3.00	1	07/18/2023 07:22	WG2096273
Sulfate	9.96		5.00	1	07/18/2023 07:22	WG2096273

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	2.90		1.00	1	07/21/2023 20:52	WG2098147

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/18/2023 17:38	WG2092145
Barium,Total Recoverable	0.180		0.00500	1	07/18/2023 17:38	WG2092145
Calcium, Total Recoverable	23.7		0.200	1	07/18/2023 17:38	WG2092145
Iron, Total Recoverable	1.19		0.0600	1	07/18/2023 17:38	WG2092145
Potassium, Total Recoverable	ND		3.00	1	07/18/2023 17:38	WG2092145

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	5.99		0.200	1	07/18/2023 17:38	WG2092145
Manganese, Total Recoverable	8.58		0.00300	1	07/18/2023 17:38	WG2092145
Sodium, Total Recoverable	10.0		5.00	1	07/18/2023 17:38	WG2092145
Lead, Total Recoverable	ND		0.00500	1	07/18/2023 17:38	WG2092145
Selenium, Total Recoverable	ND		0.0100	1	07/18/2023 17:38	WG2092145

1 Cp

2 Tc

3 Ss

4 Cn

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	07/13/2023 15:45	WG2091636
Beryllium, Total Recoverable	ND		0.00100	1	07/13/2023 15:45	WG2091636
Cadmium, Total Recoverable	0.00367		0.00100	1	07/13/2023 15:45	WG2091636
Cobalt, Total Recoverable	0.0132		0.00300	1	07/13/2023 15:45	WG2091636
Chromium, Total Recoverable	ND		0.00300	1	07/13/2023 15:45	WG2091636
Copper, Total Recoverable	ND		0.00400	1	07/13/2023 15:45	WG2091636
Nickel, Total Recoverable	0.0388		0.00400	1	07/13/2023 15:45	WG2091636
Antimony, Total Recoverable	ND		0.00200	1	07/13/2023 15:45	WG2091636
Thallium, Total Recoverable	ND		0.00100	1	07/13/2023 15:45	WG2091636
Vanadium, Total Recoverable	ND		0.00300	1	07/13/2023 15:45	WG2091636
Zinc, Total Recoverable	0.0721		0.00500	1	07/13/2023 15:45	WG2091636

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	07/12/2023 01:20	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 01:20	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 01:20	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 01:20	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/12/2023 01:20	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/12/2023 01:20	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 01:20	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 01:20	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/12/2023 01:20	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 01:20	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/12/2023 01:20	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/12/2023 01:20	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 01:20	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/12/2023 01:20	WG2093044
2-Hexanone	ND		5.00	1	07/12/2023 01:20	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 01:20	WG2093044
Acetone	ND		10.0	1	07/12/2023 01:20	WG2093044
Acrylonitrile	ND		20.0	1	07/12/2023 01:20	WG2093044
Benzene	ND		1.00	1	07/12/2023 01:20	WG2093044
Bromochloromethane	ND		1.00	1	07/12/2023 01:20	WG2093044
Bromodichloromethane	ND		1.00	1	07/12/2023 01:20	WG2093044
Bromoform	ND		1.00	1	07/12/2023 01:20	WG2093044
Bromomethane	ND		1.00	1	07/12/2023 01:20	WG2093044
Carbon disulfide	ND		1.00	1	07/12/2023 01:20	WG2093044
Carbon tetrachloride	ND		1.00	1	07/12/2023 01:20	WG2093044
Chlorobenzene	ND		1.00	1	07/12/2023 01:20	WG2093044
Chloroethane	ND		1.00	1	07/12/2023 01:20	WG2093044
Chloroform	ND		1.00	1	07/12/2023 01:20	WG2093044
Chloromethane	ND		1.00	1	07/12/2023 01:20	WG2093044
Dibromochloromethane	ND		1.00	1	07/12/2023 01:20	WG2093044
Dibromomethane	ND		1.00	1	07/12/2023 01:20	WG2093044

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 01:20	WG2093044
Iodomethane	ND		1.00	1	07/12/2023 01:20	WG2093044
Methylene Chloride	ND		1.07	1	07/12/2023 01:20	WG2093044
Styrene	ND		1.00	1	07/12/2023 01:20	WG2093044
Tetrachloroethene	ND		1.00	1	07/12/2023 01:20	WG2093044
Toluene	ND		1.00	1	07/12/2023 01:20	WG2093044
Trichloroethene	ND		1.00	1	07/12/2023 01:20	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/12/2023 01:20	WG2093044
Vinyl acetate	ND		5.00	1	07/12/2023 01:20	WG2093044
Vinyl chloride	ND		1.00	1	07/12/2023 01:20	WG2093044
Xylenes, Total	ND		1.00	1	07/12/2023 01:20	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 01:20	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 01:20	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 01:20	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 01:20	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 01:20	WG2093044
(S) 1,2-Dichloroethane-d4	106			70.0-130	07/12/2023 01:20	WG2093044
(S) 4-Bromofluorobenzene	95.3			77.0-126	07/12/2023 01:20	WG2093044
(S) Toluene-d8	101			80.0-120	07/12/2023 01:20	WG2093044

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	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	07/11/2023 23:47	WG2093044
1,1,1-Trichloroethane	ND		1.00	1	07/11/2023 23:47	WG2093044
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/11/2023 23:47	WG2093044
1,1,2-Trichloroethane	ND		1.00	1	07/11/2023 23:47	WG2093044
1,1-Dichloroethane	ND		1.00	1	07/11/2023 23:47	WG2093044
1,1-Dichloroethene	ND		1.00	1	07/11/2023 23:47	WG2093044
1,2,3-Trichloropropane	ND		1.00	1	07/11/2023 23:47	WG2093044
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/11/2023 23:47	WG2093044
1,2-Dibromoethane	ND		1.00	1	07/11/2023 23:47	WG2093044
1,2-Dichlorobenzene	ND		1.00	1	07/11/2023 23:47	WG2093044
1,2-Dichloroethane	ND		1.00	1	07/11/2023 23:47	WG2093044
1,2-Dichloropropane	ND		1.00	1	07/11/2023 23:47	WG2093044
1,4-Dichlorobenzene	ND		1.00	1	07/11/2023 23:47	WG2093044
2-Butanone (MEK)	ND		5.00	1	07/11/2023 23:47	WG2093044
2-Hexanone	ND		5.00	1	07/11/2023 23:47	WG2093044
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/11/2023 23:47	WG2093044
Acetone	ND		10.0	1	07/11/2023 23:47	WG2093044
Acrylonitrile	ND		20.0	1	07/11/2023 23:47	WG2093044
Benzene	ND		1.00	1	07/11/2023 23:47	WG2093044
Bromochloromethane	ND		1.00	1	07/11/2023 23:47	WG2093044
Bromodichloromethane	ND		1.00	1	07/11/2023 23:47	WG2093044
Bromoform	ND		1.00	1	07/11/2023 23:47	WG2093044
Bromomethane	ND		1.00	1	07/11/2023 23:47	WG2093044
Carbon disulfide	ND		1.00	1	07/11/2023 23:47	WG2093044
Carbon tetrachloride	ND		1.00	1	07/11/2023 23:47	WG2093044
Chlorobenzene	ND		1.00	1	07/11/2023 23:47	WG2093044
Chloroethane	ND		1.00	1	07/11/2023 23:47	WG2093044
Chloroform	ND		1.00	1	07/11/2023 23:47	WG2093044
Chloromethane	ND		1.00	1	07/11/2023 23:47	WG2093044
Dibromochloromethane	ND		1.00	1	07/11/2023 23:47	WG2093044
Dibromomethane	ND		1.00	1	07/11/2023 23:47	WG2093044
Ethylbenzene	ND		1.00	1	07/11/2023 23:47	WG2093044
Iodomethane	ND		1.00	1	07/11/2023 23:47	WG2093044
Methylene Chloride	ND		1.07	1	07/11/2023 23:47	WG2093044
Styrene	ND		1.00	1	07/11/2023 23:47	WG2093044
Tetrachloroethene	ND		1.00	1	07/11/2023 23:47	WG2093044
Toluene	ND		1.00	1	07/11/2023 23:47	WG2093044
Trichloroethene	ND		1.00	1	07/11/2023 23:47	WG2093044
Trichlorofluoromethane	ND		1.00	1	07/11/2023 23:47	WG2093044
Vinyl acetate	ND		5.00	1	07/11/2023 23:47	WG2093044
Vinyl chloride	ND		1.00	1	07/11/2023 23:47	WG2093044
Xylenes, Total	ND		1.00	1	07/11/2023 23:47	WG2093044
cis-1,2-Dichloroethene	ND		1.00	1	07/11/2023 23:47	WG2093044
cis-1,3-Dichloropropene	ND		1.00	1	07/11/2023 23:47	WG2093044
trans-1,2-Dichloroethene	ND		1.00	1	07/11/2023 23:47	WG2093044
trans-1,3-Dichloropropene	ND		1.00	1	07/11/2023 23:47	WG2093044
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/11/2023 23:47	WG2093044
(S) 1,2-Dichloroethane-d4	99.4			70.0-130	07/11/2023 23:47	WG2093044
(S) 4-Bromofluorobenzene	93.3			77.0-126	07/11/2023 23:47	WG2093044
(S) Toluene-d8	107			80.0-120	07/11/2023 23:47	WG2093044

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3948623-1 07/12/23 14:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	ND		2.82	10.0

1 Cp

2 Tc

3 Ss

L1633385-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1633385-04 07/12/23 14:00 • (DUP) R3948623-3 07/12/23 14:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	1200	1190	1	1.51		5

4 Cn

5 Sr

6 Qc

L1633529-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633529-01 07/12/23 14:00 • (DUP) R3948623-4 07/12/23 14:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	302	325	1	7.34	J3	5

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3948623-2 07/12/23 14:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8540	97.0	77.3-123	

Method Blank (MB)

(MB) R3948253-1 07/12/23 10:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Alkalinity	3.59		2.71	20.0
Alkalinity,Bicarbonate	3.59		2.71	20.0
Alkalinity,Carbonate	ND		2.71	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1633566-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633566-01 07/12/23 11:21 • (DUP) R3948253-3 07/12/23 11:25

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	270	270	1	0.194		20
Alkalinity,Bicarbonate	270	270	1	0.194		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1633566-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1633566-05 07/12/23 11:58 • (DUP) R3948253-4 07/12/23 12:01

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	83.1	85.8	1	3.24		20
Alkalinity,Bicarbonate	83.1	85.8	1	3.24		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5



Laboratory Control Sample (LCS)

(LCS) R3948253-2 07/12/23 10:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Alkalinity	100	100	100	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3947890-1 07/12/23 15:39

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ammonia Nitrogen	ND		0.0317	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1633382-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1633382-02 07/12/23 15:47 • (DUP) R3947890-5 07/12/23 15:48

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	ND	ND	1	0.000		10

L1633586-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633586-01 07/12/23 16:26 • (DUP) R3947890-7 07/12/23 16:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	ND	ND	1	0.000		10

Laboratory Control Sample (LCS)

(LCS) R3947890-2 07/12/23 15:41

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	7.50	7.69	102	90.0-110	

L1633382-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633382-01 07/12/23 15:42 • (MS) R3947890-3 07/12/23 15:44 • (MSD) R3947890-4 07/12/23 15:45

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	ND	5.23	5.19	105	104	1	90.0-110			0.672	10

L1633582-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1633582-01 07/12/23 16:23 • (MS) R3947890-6 07/12/23 16:24

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Ammonia Nitrogen	5.00	ND	5.30	106	1	90.0-110	

Method Blank (MB)

(MB) R3947326-1 07/11/23 18:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Nitrate-Nitrite	ND		0.0197	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1633162-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1633162-02 07/11/23 19:08 • (DUP) R3947326-3 07/11/23 19:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	ND	ND	1	0.000		20

L1633566-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633566-01 07/11/23 19:35 • (DUP) R3947326-6 07/11/23 19:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	0.761	0.759	1	0.263		20

Laboratory Control Sample (LCS)

(LCS) R3947326-2 07/11/23 18:59

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Nitrate-Nitrite	2.50	2.49	99.6	90.0-110	

L1633162-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633162-02 07/11/23 19:08 • (MS) R3947326-4 07/11/23 19:14 • (MSD) R3947326-5 07/11/23 19:16

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	2.50	ND	2.69	2.69	108	108	1	90.0-110			0.000	20

L1633566-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1633566-01 07/11/23 19:35 • (MS) R3947326-7 07/11/23 19:37

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Nitrate-Nitrite	2.50	0.761	3.39	105	1	90.0-110	

Method Blank (MB)

(MB) R3947356-1 07/11/23 19:57

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Nitrate-Nitrite	ND		0.0197	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1633570-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633570-01 07/11/23 20:02 • (DUP) R3947356-3 07/11/23 20:03

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	ND	ND	1	0.000		20

L1633864-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1633864-08 07/11/23 20:23 • (DUP) R3947356-5 07/11/23 20:24

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3947356-2 07/11/23 19:58

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Nitrate-Nitrite	2.50	2.50	100	90.0-110	

L1633570-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1633570-01 07/11/23 20:02 • (MS) R3947356-4 07/11/23 20:05

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Nitrate-Nitrite	2.50	ND	2.72	109	1	90.0-110	

L1633864-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633864-08 07/11/23 20:23 • (MS) R3947356-6 07/11/23 20:29 • (MSD) R3947356-7 07/11/23 20:30

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	2.50	ND	2.73	2.65	109	106	1	90.0-110			2.97	20

Method Blank (MB)

(MB) R3949871-1 07/18/23 03:10

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

L1633529-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633529-01 07/18/23 04:00 • (DUP) R3949871-3 07/18/23 04:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	mg/l	mg/l	%	%		%
Chloride	ND	ND	1	0.0467		15

L1633579-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1633579-02 07/18/23 09:15 • (DUP) R3949871-6 07/18/23 09:28

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	mg/l	mg/l	%	%		%
Chloride	ND	ND	1	1.12		15
Sulfate	9.15	9.08	1	0.737		15

Laboratory Control Sample (LCS)

(LCS) R3949871-2 07/18/23 03:23

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	mg/l	mg/l	%	%	
Chloride	40.0	40.0	100	80.0-120	
Sulfate	40.0	39.7	99.3	80.0-120	

L1633529-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633529-01 07/18/23 04:00 • (MS) R3949871-4 07/18/23 04:26 • (MSD) R3949871-5 07/18/23 04:38

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	ND	50.7	51.6	98.0	99.7	1	80.0-120			1.68	15

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1633579-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1633579-02 07/18/23 09:15 • (MS) R3949871-7 07/18/23 09:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50.0	ND	49.6	97.2	1	80.0-120	
Sulfate	50.0	9.15	57.2	96.2	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3951482-2 07/21/23 13:03

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC	ND		0.102	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1633321-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1633321-03 07/21/23 15:39 • (DUP) R3951482-5 07/21/23 15:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	2.42	2.44	1	0.659		20

L1633379-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633379-01 07/21/23 18:24 • (DUP) R3951482-8 07/21/23 18:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	4.48	4.86	1	8.11		20

Laboratory Control Sample (LCS)

(LCS) R3951482-1 07/21/23 12:51

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	25.0	24.8	99.3	85.0-115	

L1633321-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633321-02 07/21/23 14:48 • (MS) R3951482-3 07/21/23 15:07 • (MSD) R3951482-4 07/21/23 15:24

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	3.15	27.4	27.5	97.1	97.2	1	80.0-120			0.0729	20

L1633326-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633326-04 07/21/23 17:35 • (MS) R3951482-6 07/21/23 17:52 • (MSD) R3951482-7 07/21/23 18:10

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	1.87	25.9	27.3	96.2	102	1	80.0-120			5.30	20

Method Blank (MB)

(MB) R3949977-1 07/18/23 17:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver, Total Recoverable	ND		0.00280	0.00500
Barium, Total Recoverable	ND		0.00170	0.00500
Calcium, Total Recoverable	0.0841	UL	0.0463	1.00
Iron, Total Recoverable	0.0190	UL	0.0141	0.100
Potassium, Total Recoverable	ND		0.102	1.00
Magnesium, Total Recoverable	0.0484		0.0111	1.00
Manganese, Total Recoverable	ND		0.00120	0.0100
Sodium, Total Recoverable	0.105		0.0111	1.00
Lead, Total Recoverable	ND		0.00190	0.00500
Selenium, Total Recoverable	ND		0.00740	0.0100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3949977-2 07/18/23 17:07

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver, Total Recoverable	0.200	0.200	100	80.0-120	
Barium, Total Recoverable	1.00	1.05	105	80.0-120	
Calcium, Total Recoverable	10.0	9.93	99.3	80.0-120	
Iron, Total Recoverable	10.0	10.0	100	80.0-120	
Potassium, Total Recoverable	10.0	9.71	97.1	80.0-120	
Magnesium, Total Recoverable	10.0	9.66	96.6	80.0-120	
Manganese, Total Recoverable	1.00	1.01	101	80.0-120	
Sodium, Total Recoverable	10.0	10.1	101	80.0-120	
Lead, Total Recoverable	1.00	0.989	98.9	80.0-120	
Selenium, Total Recoverable	1.00	0.990	99.0	80.0-120	

L1633584-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633584-04 07/18/23 17:10 • (MS) R3949977-4 07/18/23 17:16 • (MSD) R3949977-5 07/18/23 17:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver, Total Recoverable	0.200	ND	0.203	0.205	101	103	1	75.0-125			1.21	20
Barium, Total Recoverable	1.00	0.0282	1.05	1.06	103	104	1	75.0-125			0.846	20
Calcium, Total Recoverable	10.0	91.0	98.6	98.6	75.6	75.8	1	75.0-125			0.0183	20
Iron, Total Recoverable	10.0	1.25	11.1	11.1	98.2	98.9	1	75.0-125			0.618	20
Potassium, Total Recoverable	10.0	12.1	21.6	21.7	95.1	95.5	1	75.0-125			0.167	20
Magnesium, Total Recoverable	10.0	9.69	19.2	19.1	94.9	94.3	1	75.0-125			0.300	20
Manganese, Total Recoverable	1.00	0.0310	1.01	1.02	98.0	99.2	1	75.0-125			1.21	20

L1633584-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633584-04 07/18/23 17:10 • (MS) R3949977-4 07/18/23 17:16 • (MSD) R3949977-5 07/18/23 17:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sodium, Total Recoverable	10.0	109	117	116	75.7	71.9	1	75.0-125		V	0.328	20
Lead, Total Recoverable	1.00	ND	0.994	0.999	99.4	99.9	1	75.0-125			0.430	20
Selenium, Total Recoverable	1.00	ND	1.02	1.04	102	104	1	75.0-125			2.21	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3948369-1 07/13/23 13:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic, Total Recoverable	ND	↓	0.000250	0.00200
Beryllium, Total Recoverable	0.000193	↓	0.000120	0.00200
Cadmium, Total Recoverable	0.000179	↓	0.000160	0.00100
Cobalt, Total Recoverable	ND	↓	0.000260	0.00200
Chromium, Total Recoverable	ND		0.000540	0.00200
Copper, Total Recoverable	ND		0.000520	0.00500
Nickel, Total Recoverable	0.000380		0.000350	0.00200
Antimony, Total Recoverable	ND		0.000754	0.00200
Thallium, Total Recoverable	0.000298	↓	0.000190	0.00200
Vanadium, Total Recoverable	0.000281		0.000180	0.00500
Zinc, Total Recoverable	0.00362	↓	0.00256	0.0250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3948369-2 07/13/23 13:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Total Recoverable	0.0500	0.0487	97.5	80.0-120	
Beryllium, Total Recoverable	0.0500	0.0474	94.8	80.0-120	
Cadmium, Total Recoverable	0.0500	0.0525	105	80.0-120	
Cobalt, Total Recoverable	0.0500	0.0508	102	80.0-120	
Chromium, Total Recoverable	0.0500	0.0495	99.0	80.0-120	
Copper, Total Recoverable	0.0500	0.0478	95.5	80.0-120	
Nickel, Total Recoverable	0.0500	0.0504	101	80.0-120	
Antimony, Total Recoverable	0.0500	0.0470	93.9	80.0-120	
Thallium, Total Recoverable	0.0500	0.0529	106	80.0-120	
Vanadium, Total Recoverable	0.0500	0.0502	100	80.0-120	
Zinc, Total Recoverable	0.0500	0.0533	107	80.0-120	

L1633331-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633331-02 07/13/23 13:17 • (MS) R3948369-5 07/13/23 13:27 • (MSD) R3948369-6 07/13/23 13:31

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 %
Arsenic, Total Recoverable	0.0500	ND	0.0481	0.0526	96.3	105	20	75.0-125			8.86	20
Beryllium, Total Recoverable	0.0500	ND	0.0464	0.0476	92.8	95.2	20	75.0-125			2.54	20
Cadmium, Total Recoverable	0.0500	ND	0.0461	0.0509	92.1	102	20	75.0-125			10.0	20
Cobalt, Total Recoverable	0.0500	ND	0.0446	0.0475	89.2	95.0	20	75.0-125			6.32	20
Chromium, Total Recoverable	0.0500	ND	0.0473	0.0490	94.6	98.0	20	75.0-125			3.58	20

L1633331-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633331-02 07/13/23 13:17 • (MS) R3948369-5 07/13/23 13:27 • (MSD) R3948369-6 07/13/23 13:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Copper, Total Recoverable	0.0500	0.101	0.139	0.152	76.1	102	20	75.0-125			8.90	20
Nickel, Total Recoverable	0.0500	ND	0.0452	0.0474	90.3	94.8	20	75.0-125			4.87	20
Antimony, Total Recoverable	0.0500	ND	0.0537	0.0526	107	105	20	75.0-125			2.03	20
Thallium, Total Recoverable	0.0500	ND	0.0449	0.0482	89.8	96.5	20	75.0-125			7.14	20
Vanadium, Total Recoverable	0.0500	0.00391	0.0486	0.0540	97.3	108	20	75.0-125			10.4	20
Zinc, Total Recoverable	0.0500	ND	0.0621	0.0622	124	124	20	75.0-125			0.286	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3947814-2 07/11/23 20:32

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3947814-2 07/11/23 20:32

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	94.4			70.0-130
(S) 4-Bromofluorobenzene	95.7			77.0-126
(S) Toluene-d8	108			80.0-120

Laboratory Control Sample (LCS)

(LCS) R3947814-1 07/11/23 19:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,1,2-Tetrachloroethane	5.00	4.13	82.6	75.0-125	
1,1,1-Trichloroethane	5.00	4.06	81.2	73.0-124	
1,1,2,2-Tetrachloroethane	5.00	4.94	98.8	65.0-130	
1,1,2-Trichloroethane	5.00	4.30	86.0	80.0-120	
1,1-Dichloroethane	5.00	4.23	84.6	70.0-126	
1,1-Dichloroethene	5.00	4.25	85.0	71.0-124	
1,2,3-Trichloropropane	5.00	4.99	99.8	73.0-130	
1,2-Dibromo-3-Chloropropane	5.00	3.88	77.6	58.0-134	
1,2-Dibromoethane	5.00	4.58	91.6	80.0-122	
1,2-Dichlorobenzene	5.00	4.46	89.2	79.0-121	
1,2-Dichloroethane	5.00	4.89	97.8	70.0-128	
1,2-Dichloropropane	5.00	4.19	83.8	77.0-125	
1,4-Dichlorobenzene	5.00	4.70	94.0	79.0-120	
2-Butanone (MEK)	25.0	21.4	85.6	44.0-160	
2-Hexanone	25.0	23.7	94.8	67.0-149	
4-Methyl-2-pentanone (MIBK)	25.0	24.0	96.0	68.0-142	
Acetone	25.0	18.8	75.2	19.0-160	
Acrylonitrile	25.0	21.5	86.0	55.0-149	
Benzene	5.00	4.47	89.4	70.0-123	
Bromochloromethane	5.00	4.44	88.8	76.0-122	
Bromodichloromethane	5.00	4.12	82.4	75.0-120	
Bromoform	5.00	4.16	83.2	68.0-132	
Bromomethane	5.00	4.03	80.6	10.0-160	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3947814-1 07/11/23 19:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Carbon disulfide	5.00	3.65	73.0	61.0-128	
Carbon tetrachloride	5.00	4.29	85.8	68.0-126	
Chlorobenzene	5.00	4.26	85.2	80.0-121	
Chloroethane	5.00	4.22	84.4	47.0-150	
Chloroform	5.00	4.12	82.4	73.0-120	
Chloromethane	5.00	4.18	83.6	41.0-142	
Dibromochloromethane	5.00	4.40	88.0	77.0-125	
Dibromomethane	5.00	4.18	83.6	80.0-120	
Ethylbenzene	5.00	4.40	88.0	79.0-123	
Iodomethane	25.0	21.3	85.2	33.0-147	
Methylene Chloride	5.00	4.35	87.0	67.0-120	
Styrene	5.00	4.33	86.6	73.0-130	
Tetrachloroethene	5.00	4.84	96.8	72.0-132	
Toluene	5.00	4.51	90.2	79.0-120	
Trichloroethene	5.00	4.47	89.4	78.0-124	
Trichlorofluoromethane	5.00	4.51	90.2	59.0-147	
Vinyl acetate	25.0	25.1	100	11.0-160	
Vinyl chloride	5.00	4.44	88.8	67.0-131	
Xylenes, Total	15.0	12.9	86.0	79.0-123	
cis-1,2-Dichloroethene	5.00	4.00	80.0	73.0-120	
cis-1,3-Dichloropropene	5.00	4.36	87.2	80.0-123	
trans-1,2-Dichloroethene	5.00	4.16	83.2	73.0-120	
trans-1,3-Dichloropropene	5.00	4.73	94.6	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	4.67	93.4	33.0-144	
(S) 1,2-Dichloroethane-d4			103	70.0-130	
(S) 4-Bromofluorobenzene			96.4	77.0-126	
(S) Toluene-d8			105	80.0-120	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

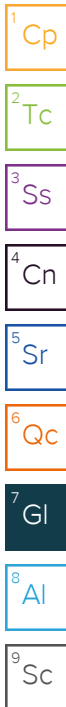
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

Abbreviations and Definitions

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

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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 1



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/hubs/pas-standard-terms.pdf>

SDG # **1633560**
H041

Acctnum: **WMECOVISAR**

Template: **T211193**

Prelogin: **P1006574**

PM: **616 - Stacy Kennedy**

PB:

Shipped Via: **FedEX Ground**

Remarks Sample # (lab only)

Report to:
Jodi Reynolds

Email To:
ciara.children.beavers@jettenviro.com;jeffholm

Project Description:
Eco-Vista - GW-July

City/State Collected:

Please Circle:
PT MT CT ET

Phone: **501-993-8966**

Client Project #
200

Lab Project #
WMECOVISAR-00019

Collected by (print):
Chris Finley

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

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK, CHLORIDE, SULFA 250mlHDPE-NoPres	CHLORIDE 125mlHDPE-NoPres	Metals 250mlHDPE-HNO3	NH3 250mlHDPE-H2SO4	NH3,NO2NO3 250mlHDPE-H2SO4	TDS 1L-HDPE NoPres	TOC 250mlHDPE-HCl	V8260LL 40mlAmb-HCl	V8260LL TB 40mlAmb-HCl-Bik	Remarks	Sample # (lab only)
NE-155		GW				8	X	X		X	X	X	X				
MW-1N		GW				8	X	X		X	X	X	X				
MW-2N		GW				8	X	X		X	X	X	X				
MW-3N	Grab	GW	44.85	7.7.23	1110	8	X	X		X	X	X	X				-01
MW-7N		GW	87.35		0950	8	X	X		X	X	X	X				-02
MW-8N		GW	30.25		0855	8	X	X		X	X	X	X				-03
MW-10N		GW	35.15		1035	8	X	X		X	X	X	X				-04
MW-11N MW-21		GW	23.60		1250	8	X	X		X	X	X	X				-05
MW-15		GW				8	X	X		X	X	X	X				
MW-16		GW				8	X	X		X	X	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 _____

Sample Receipt Checklist

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

Samples returned via: UPS FedEx Courier
Tracking # **6525 5570 6067**

Relinquished by: (Signature) *[Signature]* Date: **7.7.23** Time: **1500**
Received by: (Signature) _____ Trip Blank Received: Yes/ No
HCl / MeOH TBR **3**

Relinquished by: (Signature) _____ Date: _____ Time: _____
Received by: (Signature) _____ Temp: °C **9.8** Bottles Received: **4.9**
If preservation required by Login: Date/Time

Relinquished by: (Signature) _____ Date: _____ Time: _____
Received for lab by: (Signature) *[Signature]* Date: **7/18/23** Time: **2:00**
Hold: _____ Condition: NCF / OK

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: MW-3N
 Sample ID:

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/ Lab ID:
L1633566

PURGE INFO
 PURGE DATE: 070723 PURGE TIME: 10:45 ELAPSED HRS:
 WATER VOL IN CASING: ACTUAL VOL PURGED: WELL VOLS PURGED:
 (MM DD YY) (2400 Hr Clock) (hrs:min) (Gallons) (Gallons)

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or N
 Filter Device: Y or N 0.45 μ or μ (circle or fill in)
 Purging Device: C A- Submersible Pump D-Bailer
 Filter Type: A-In-line Disposable C-Vacuum
 B-Peristaltic Pump E-Piston Pump B-Pressure X-Other
 Sampling Device: C C-QED Bladder Pump F-Dipper/Bottle
 Sample Tube Type: D A-Teflon C-PVC X-Other:
 X-Other: B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 44.61 (ft) Groundwater Elevation (site datum, from TOC): (ft/msl)
 Total Well Depth (from TOC): (ft) Stick Up (from ground elevation): (ft) Casing ID: 2 (in) Casing Material: PVC
 Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (μmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
10:50	200 1 st	6.16	670	20.4	87	20	149.6	44.85
10:55	200 2 nd	6.15	642	19.9	63	1.2	163.5	44.85
11:00	200 3 rd	6.08	631	20.7	54	0.9	166.5	44.85
11:05	200 4 th	6.06	629	21.2	51	0.9	166.4	44.85
11:10	200	6.08	632	21.1	54	0.9	166.3	44.85
:								
:								
:								
:								
:								

Suggested range for 3 consec. readings or note Permit/State requirements: pH +/- 0.2, Conductance +/- 3%, Temp. -, Turbidity -, D.O. +/- 10%, eH/ORP +/- 25 mV, DTW Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 070723 pH (std): 6.08 CONDUCTANCE (umhos/cm @ 25°C): 632 TEMP. (°C): 21.1 TURBIDITY (ntu): 54 DO (mg/L-ppm): 0.9 eH/ORP (mV): 166.3 Other:
 Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: Clear Odor: None Color: Clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7, 7, 23 C. Fisher Chris Pranis
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.: Sample Point: MW-7N
 Sample ID

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Label ID:
L1635566

PURGE INFO
 PURGE DATE: 07/07/23 PURGE TIME: 09:20 ELAPSED HRS:
 (MM DD YY) (2400 Hr Clock) (hrs:min)
 WATER VOL IN CASING: ACTUAL VOL PURGED: WELL VOLs PURGED:
 (Gallons) (Gallons)

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ "Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged". Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or N Filter Device: Y or X 0.45 μ or μ (circle or fill in)
 Purging Device: C A-Submersible Pump D-Bailer Filter Type: A-In-line Disposable C-Vacuum
 B-Peristaltic Pump E-Piston Pump B-Pressure X-Other
 Sampling Device: C C-QED Bladder Pump F-Dipper/Bottle A-Teflon C-PVC X-Other:
 X-Other: Sample Tube Type: 0 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 871 (ft) Groundwater Elevation (site datum, from TOC): (ft/msl)
 Total Well Depth (from TOC): (ft) Stick Up (from ground elevation): (ft) Casing ID: 2 (in) Casing Material: PVC
 Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time	Rate/Unit	pH	Conductance	Temp.	Turbidity	D.O.	eH/ORP	DTW
	(2400 Hr Clock)		(std)	(μmhos/cm @ 25°C)	(°C)	(ntu)	(mg/L - ppm)	(mV)	(ft)
	09:25	200 1 st	6.67	618	18.4	3.7	8.2	157.9	87.35
	09:30	200 2 nd	6.47	623	18.5	3.9	7.3	156.6	87.35
	09:35	200 3 rd	6.33	625	18.5	3.9	5.5	160.4	87.35
	09:40	200 4 th	6.23	623	18.6	3.8	4.6	163.9	87.35
	09:45	200	6.21	625	18.5	3.8	4.5	165.0	87.35
	09:50	200	6.22	624	18.5	3.8	4.4	165.9	87.35
								76	

Suggested range for 3 consec. readings or note Permit/State requirements: pH +/- 0.2 Conductance +/- 3% Temp. - Turbidity - D.O. +/- 10% eH/ORP +/- 25 mV Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE: 07/07/23 pH: 6.22 CONDUCTANCE: 624 TEMP.: 18.5 TURBIDITY: 3.8 DO: 4.4 eH/ORP: 165.9 Other:
 (MM DD YY) (std) (μmhos/cm @ 25°C) (°C) (ntu) (mg/L-ppm) (mV) Units

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: none Color: clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7.7.23 C. Fincher [Signature] Provus
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: MW-8N
 Sample ID:

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:
L1633566

PURGE INFO
 PURGE DATE: 070723 PURGE TIME: 08:30 ELAPSED HRS:
 WATER VOL IN CASING: ACTUAL VOL PURGED: WELL VOLS PURGED:
(MM DD YY) (2400 Hr Clock) (hrs:min) (Gallons) (Gallons) (ft)

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: or **Filter Device:** or 0.45 μ or μ (circle or fill in)
 Purging Device: A-Submersible Pump D-Bailer **Filter Type:** A-In-line Disposable C-Vacuum
 B-Peristaltic Pump E-Piston Pump B-Pressure X-Other
 Sampling Device: C-QED Bladder Pump F-Dipper/Bottle A-Teflon C-PVC X-Other:
 X-Other: Sample Tube Type: D B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 29.89 (ft) Groundwater Elevation (site datum, from TOC): (ft/msl)
 Total Well Depth (from TOC): (ft) Stick Up (from ground elevation): (ft) Casing ID: 2 (in) Casing Material: PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
08:35	250 1 st	6.34	535	17.5	3.8	0.9	174.5	30.25
08:40	250 2 nd	5.85	534	17.5	3.7	0.5	179.7	30.25
08:45	250 3 rd	5.76	535	17.4	3.6	0.5	181.4	30.25
08:50	250 4 th	5.79	533	17.1	3.6	0.5	182.2	30.25
08:55	250	5.74	532	17.2	3.5	0.5	182.7	30.25

Suggested range for 3 consec. readings or note Permit/State requirements: pH +/- 0.2, Conductance +/- 3%, Temp. --, Turbidity --, D.O. +/- 10%, eH/ORP +/- 25 mV, DTW Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 070723 pH (std): 5.74 CONDUCTANCE (umhos/cm @ 25°C): 532 TEMP. (°C): 17.2 TURBIDITY (ntu): 3.5 DO (mg/L-ppm): 0.5 eH/ORP (mV): 182.7 Other:
Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.)

Sample Appearance: clear Odor: none Color: clear Other:
 Weather Conditions (required daily, or as conditions change): Sunny Direction/Speed: calm Outlook: mostly clear, 80s Precipitation: Y or N
 Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7.7.23 C. Fincher [Signature] Provus
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: MW-10M
Sample ID

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only Lab ID:
21633966

PURGE INFO
 PURGE DATE: 070723 (MM DD YY)
 PURGE TIME: 10:00 (2400 Hr Clock)
 ELAPSED HRS: (hrs:min)
 WATER VOL IN CASING: (Gallons)
 ACTUAL VOL PURGED: (Gallons)
 WELL VOLs PURGED: (ft/ml)

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or N
 Purging Device: C A-Submersible Pump D-Bailer
 Sampling Device: C B-Peristaltic Pump E-Piston Pump
 X-Other: C-QED Bladder Pump F-Dipper/Bottle
 Filter Device: Y or N 0.45 μ or μ (circle or fill in)
 Filter Type: A-In-line Disposable C-Vacuum
 B-Pressure X-Other:
 Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/mlsl)
 Depth to Water (DTW) (from TOC): 3025 (ft)
 Groundwater Elevation (site datum, from TOC): (ft/mlsl)
 Total Well Depth (from TOC): (ft)
 Stick Up (from ground elevation): (ft)
 Casing ID: 2 (in)
 Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		<u>10:15</u>	<u>200</u>	<u>7.38</u>	<u>524</u>	<u>16.9</u>	<u>59</u>	<u>1.3</u>	<u>154.0</u>
	<u>10:20</u>	<u>200</u>	<u>7.16</u>	<u>513</u>	<u>16.4</u>	<u>51</u>	<u>0.6</u>	<u>148.5</u>	<u>33.15</u>
	<u>10:25</u>	<u>200</u>	<u>6.80</u>	<u>515</u>	<u>16.4</u>	<u>4.4</u>	<u>0.4</u>	<u>143.3</u>	<u>34.75</u>
	<u>10:30</u>	<u>200</u>	<u>6.78</u>	<u>514</u>	<u>16.5</u>	<u>4.3</u>	<u>0.3</u>	<u>141.7</u>	<u>34.95</u>
	<u>10:35</u>	<u>200</u>	<u>6.76</u>	<u>514</u>	<u>16.5</u>	<u>4.4</u>	<u>0.3</u>	<u>141.1</u>	<u>35.15</u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Suggested range for 3 consec. readings or note Permit/State requirements: pH +/- 0.2, Conductance +/- 3%, Temp. --, Turbidity --, D.O. +/- 10%, eH/ORP +/- 25 mV, DTW Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 070723
 pH (std): 6.76
 CONDUCTANCE (umhos/cm @ 25°C): 514
 TEMP. (°C): 16.5
 TURBIDITY (ntu): 4.4
 DO (mg/L-ppm): 0.3
 eH/ORP (mV): 141.1
 Other:

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: Clear Odor: None Color: Clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7.7.23 C. Finler
 Date Name Signature Company

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.: Sample Point: MW-21
Sample ID

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:
L1633566

PURGE INFO
 PURGE DATE: 07/07/23 PURGE TIME: 12:25 ELAPSED HRS:
(MM DD YY) (2400 Hr Clock) (hrs:min)
 WATER VOL IN CASING: ACTUAL VOL PURGED: WELL VOLS PURGED:
(Gallons) (Gallons)
Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or N Filter Device: Y or X 0.45 μ or μ (circle or fill in)
 Purging Device: C A- Submersible Pump D-Bailer Filter Type: A-In-line Disposable C-Vacuum
 B-Peristaltic Pump E-Piston Pump B-Pressure X-Other:
 Sampling Device: C C-QED Bladder Pump F-Dipper/Bottle A-Teflon C-PVC X-Other:
 X-Other: Sample Tube Type: D B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 23.51 (ft) Groundwater Elevation (site datum, from TOC): (ft/msl)
 Total Well Depth (from TOC): (ft) Stick Up (from ground elevation): (ft) Casing ID: 2 (in) Casing Material: PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		<u>12:30</u>	<u>200</u> 1 st	<u>6.55</u> 1 st	<u>320</u>	<u>19.5</u>	<u>51.1</u>	<u>0.9</u>	<u>181.6</u>
	<u>12:35</u>	<u>200</u> 2 nd	<u>5.90</u> 2 nd	<u>319</u>	<u>19.2</u>	<u>32.9</u>	<u>0.4</u>	<u>185.0</u>	<u>23.6</u>
	<u>12:40</u>	<u>200</u> 3 rd	<u>5.47</u> 3 rd	<u>310</u>	<u>18.7</u>	<u>25.5</u>	<u>0.3</u>	<u>185.9</u>	<u>23.6</u>
	<u>12:45</u>	<u>200</u> 4 th	<u>5.41</u> 4 th	<u>308</u>	<u>18.8</u>	<u>12.8</u>	<u>0.3</u>	<u>185.8</u>	<u>23.6</u>
	<u>12:50</u>	<u>200</u>	<u>5.38</u>	<u>307</u>	<u>18.8</u>	<u>10.1</u>	<u>0.3</u>	<u>185.7</u>	<u>23.6</u>

Suggested range for 3 consec. readings or note Permit/State requirements: pH +/- 0.2, Conductance +/- 3%, Temp. -, Turbidity -, D.O. +/- 10%, eH/ORP +/- 25 mV, DTW Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 07/07/23 pH (std): 5.38 CONDUCTANCE (umhos/cm @ 25°C): 307 TEMP. (°C): 18.8 TURBIDITY (ntu): 10.1 DO (mg/L-ppm): 0.3 eH/ORP (mV): 185.7 Other:
Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: none Color: clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: light rain Precipitation: or N
 Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7.7.23 C. Fincher [Signature] [Signature]
 Date Name Signature Company

Eco-Vista (Tontitown)LF

Sample Delivery Group: L1633891
Samples Received: 07/11/2023
Project Number: 200
Description: Eco-Vista - GW-July
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 National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ GI

⁸ AI

⁹ Sc

SAMPLE SUMMARY

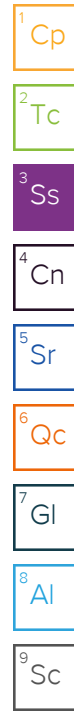
NE-10D L1633891-01 GW

Collected by
Chris Fincher

Collected date/time
07/08/23 14:00

Received date/time
07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2093592	1	07/13/23 09:06	07/13/23 10:05	ARD	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2095978	1	07/17/23 11:52	07/17/23 11:52	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 13:34	07/12/23 13:34	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092818	1	07/11/23 21:05	07/11/23 21:05	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096724	1	07/18/23 14:35	07/18/23 14:35	KMC	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2099016	1	07/22/23 19:28	07/22/23 19:28	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	1	07/11/23 20:07	07/19/23 11:41	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092923	1	07/12/23 08:55	07/12/23 14:11	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093479	1	07/12/23 16:34	07/12/23 16:34	DWR	Mt. Juliet, TN



MW-17 L1633891-02 GW

Collected by
Chris Fincher

Collected date/time
07/08/23 15:15

Received date/time
07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2093348	1	07/12/23 12:57	07/12/23 14:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2095978	1	07/17/23 11:56	07/17/23 11:56	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 13:36	07/12/23 13:36	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092818	1	07/11/23 21:14	07/11/23 21:14	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096724	1	07/18/23 14:52	07/18/23 14:52	KMC	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2099016	1	07/21/23 23:12	07/21/23 23:12	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	1	07/11/23 20:07	07/19/23 11:31	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092923	1	07/12/23 08:55	07/12/23 14:46	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093479	1	07/12/23 16:56	07/12/23 16:56	DWR	Mt. Juliet, TN

MW-2N L1633891-03 GW

Collected by
Chris Fincher

Collected date/time
07/08/23 16:35

Received date/time
07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2093592	1	07/13/23 09:06	07/13/23 10:05	ARD	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2095978	1	07/17/23 12:02	07/17/23 12:02	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 13:37	07/12/23 13:37	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092818	2	07/11/23 21:15	07/11/23 21:15	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096724	1	07/18/23 15:09	07/18/23 15:09	KMC	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2099016	1	07/21/23 23:37	07/21/23 23:37	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	1	07/11/23 20:07	07/19/23 11:44	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092923	1	07/12/23 08:55	07/12/23 14:49	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093479	1	07/12/23 17:18	07/12/23 17:18	DWR	Mt. Juliet, TN

MW-1N L1633891-04 GW

Collected by
Chris Fincher

Collected date/time
07/08/23 17:35

Received date/time
07/11/23 09:00

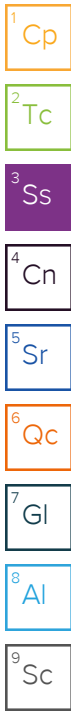
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Gravimetric Analysis by Method 2540 C-2011	WG2093592	1	07/13/23 09:06	07/13/23 10:05	ARD	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2095978	1	07/17/23 12:06	07/17/23 12:06	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092799	1	07/12/23 13:39	07/12/23 13:39	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092818	1	07/11/23 21:16	07/11/23 21:16	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096724	1	07/18/23 15:26	07/18/23 15:26	KMC	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2099016	1	07/22/23 00:29	07/22/23 00:29	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	1	07/11/23 20:07	07/19/23 11:47	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092923	1	07/12/23 08:55	07/12/23 14:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093479	1	07/12/23 17:39	07/12/23 17:39	DWR	Mt. Juliet, TN

SAMPLE SUMMARY

MW-11N L1633891-05 GW

Collected by: Chris Fincher
 Collected date/time: 07/08/23 18:35
 Received date/time: 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2093348	1	07/12/23 12:57	07/12/23 14:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2095978	1	07/17/23 12:22	07/17/23 12:22	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092801	1	07/12/23 14:06	07/12/23 14:06	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092818	1	07/11/23 21:17	07/11/23 21:17	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096724	1	07/18/23 15:43	07/18/23 15:43	KMC	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2099016	1	07/22/23 00:41	07/22/23 00:41	AW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	1	07/11/23 20:07	07/19/23 11:49	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2092923	1	07/12/23 08:55	07/12/23 14:56	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2093479	1	07/12/23 18:01	07/12/23 18:01	DWR	Mt. Juliet, TN



LCS-1 L1633891-06 GW

Collected by: Chris Fincher
 Collected date/time: 07/09/23 08:00
 Received date/time: 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2092801	1000	07/12/23 14:09	07/12/23 14:09	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096724	100	07/18/23 16:00	07/18/23 16:00	KMC	Mt. Juliet, TN

LCS-2 L1633891-07 GW

Collected by: Chris Fincher
 Collected date/time: 07/09/23 08:30
 Received date/time: 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2092801	1000	07/12/23 14:10	07/12/23 14:10	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096724	10	07/18/23 16:17	07/18/23 16:17	KMC	Mt. Juliet, TN

LCS-3 L1633891-08 GW

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2092801	1000	07/12/23 14:12	07/12/23 14:12	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096724	10	07/18/23 16:34	07/18/23 16:34	KMC	Mt. Juliet, TN

LCS-4 L1633891-09 GW

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2092801	1000	07/12/23 14:13	07/12/23 14:13	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096724	10	07/18/23 16:51	07/18/23 16:51	KMC	Mt. Juliet, TN

LCS-5 L1633891-10 GW

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2092801	1000	07/12/23 14:15	07/12/23 14:15	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096724	100	07/18/23 17:41	07/18/23 17:41	KMC	Mt. Juliet, TN

SAMPLE SUMMARY

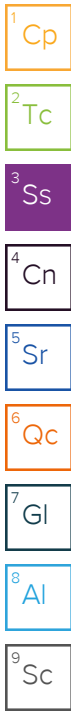
LCS-6 L1633891-11 GW

Collected by
Chris Fincher

Collected date/time
07/09/23 10:30

Received date/time
07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2092801	1000	07/12/23 14:16	07/12/23 14:16	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096724	10	07/18/23 17:58	07/18/23 17:58	KMC	Mt. Juliet, TN



LCS-7 L1633891-12 GW

Collected by
Chris Fincher

Collected date/time
07/09/23 11:00

Received date/time
07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2092801	5000	07/12/23 14:22	07/12/23 14:22	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096724	50	07/18/23 18:15	07/18/23 18:15	KMC	Mt. Juliet, TN

LCS-8 L1633891-13 GW

Collected by
Chris Fincher

Collected date/time
07/09/23 11:30

Received date/time
07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2092801	100	07/12/23 14:24	07/12/23 14:24	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2096724	10	07/18/23 18:49	07/18/23 18:49	KMC	Mt. Juliet, TN

LCS-9 L1633891-14 GW

Collected by
Chris Fincher

Collected date/time
07/09/23 13:00

Received date/time
07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2092801	200	07/12/23 14:27	07/12/23 14:27	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2097280	100	07/19/23 00:49	07/19/23 00:49	GEB	Mt. Juliet, TN

LCS-10 L1633891-15 GW

Collected by
Chris Fincher

Collected date/time
07/09/23 13:30

Received date/time
07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2092801	5000	07/12/23 14:28	07/12/23 14:28	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2097280	100	07/19/23 01:05	07/19/23 01:05	GEB	Mt. Juliet, TN

LCS-11 L1633891-16 GW

Collected by
Chris Fincher

Collected date/time
07/09/23 14:00

Received date/time
07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2092801	5000	07/12/23 14:30	07/12/23 14:30	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2097280	100	07/19/23 01:22	07/19/23 01:22	GEB	Mt. Juliet, TN

LCS-12 L1633891-17 GW

Collected by
Chris Fincher

Collected date/time
07/09/23 14:30

Received date/time
07/11/23 09:00

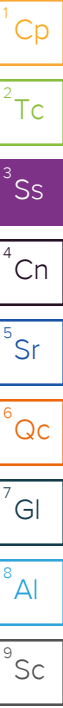
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2092801	1000	07/12/23 14:31	07/12/23 14:31	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2097280	100	07/19/23 01:38	07/19/23 01:38	GEB	Mt. Juliet, TN

SAMPLE SUMMARY

LDS-1 L1633891-18 GW

Collected by Chris Fincher Collected date/time 07/09/23 08:15 Received date/time 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG2095978	1	07/17/23 12:27	07/17/23 12:27	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092801	5	07/12/23 14:33	07/12/23 14:33	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092818	1	07/11/23 21:19	07/11/23 21:19	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2097280	1	07/19/23 02:29	07/19/23 02:29	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2097280	5	07/19/23 03:02	07/19/23 03:02	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	1	07/11/23 20:07	07/19/23 11:58	ZSA	Mt. Juliet, TN



LDS-2 L1633891-19 GW

Collected by Chris Fincher Collected date/time 07/09/23 08:45 Received date/time 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG2095978	1	07/17/23 12:32	07/17/23 12:32	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092801	1	07/12/23 14:34	07/12/23 14:34	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092818	1	07/11/23 21:20	07/11/23 21:20	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2097280	1	07/19/23 03:18	07/19/23 03:18	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2097280	5	07/19/23 03:35	07/19/23 03:35	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	1	07/11/23 20:07	07/19/23 12:01	ZSA	Mt. Juliet, TN

LDS-3 L1633891-20 GW

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG2095980	1	07/17/23 10:18	07/17/23 10:18	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092801	100	07/12/23 15:06	07/12/23 15:06	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092818	10	07/11/23 21:21	07/11/23 21:21	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2097280	20	07/19/23 03:51	07/19/23 03:51	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	1	07/11/23 20:07	07/19/23 12:03	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	5	07/11/23 20:07	07/21/23 02:19	CCE	Mt. Juliet, TN

LDS-4 L1633891-21 GW

Collected by Chris Fincher Collected date/time 07/09/23 09:45 Received date/time 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG2095980	1	07/17/23 10:26	07/17/23 10:26	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092801	5000	07/12/23 14:46	07/12/23 14:46	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092818	10	07/11/23 21:22	07/11/23 21:22	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2097280	20	07/19/23 04:07	07/19/23 04:07	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	1	07/11/23 20:07	07/19/23 12:06	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	5	07/11/23 20:07	07/21/23 02:21	CCE	Mt. Juliet, TN

LDS-5 L1633891-22 GW

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG2095980	1	07/17/23 10:33	07/17/23 10:33	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092801	500	07/12/23 14:48	07/12/23 14:48	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092818	10	07/11/23 21:24	07/11/23 21:24	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2097280	20	07/19/23 04:23	07/19/23 04:23	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	1	07/11/23 20:07	07/19/23 12:09	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	5	07/11/23 20:07	07/21/23 02:24	CCE	Mt. Juliet, TN

SAMPLE SUMMARY

LDS-6 L1633891-23 GW

Collected by: Chris Fincher
 Collected date/time: 07/09/23 10:45
 Received date/time: 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG2095980	1	07/17/23 10:41	07/17/23 10:41	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092801	1000	07/12/23 14:49	07/12/23 14:49	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092818	1	07/11/23 21:29	07/11/23 21:29	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2097280	20	07/19/23 04:40	07/19/23 04:40	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	1	07/11/23 20:07	07/19/23 12:12	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	5	07/11/23 20:07	07/21/23 02:27	CCE	Mt. Juliet, TN



LDS-7 L1633891-24 GW

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG2095980	1	07/17/23 10:48	07/17/23 10:48	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2092801	1000	07/12/23 14:51	07/12/23 14:51	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092818	1	07/11/23 21:30	07/11/23 21:30	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2097280	10	07/19/23 04:56	07/19/23 04:56	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	1	07/11/23 20:07	07/19/23 12:14	ZSA	Mt. Juliet, TN

LDS-8 L1633891-25 GW

Collected by: Chris Fincher
 Collected date/time: 07/09/23 11:45
 Received date/time: 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG2095980	1	07/17/23 10:53	07/17/23 10:53	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2094632	10	07/13/23 23:49	07/13/23 23:49	AEC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092818	1	07/11/23 21:31	07/11/23 21:31	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2097280	5	07/19/23 05:45	07/19/23 05:45	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	1	07/11/23 20:07	07/19/23 12:17	ZSA	Mt. Juliet, TN

LDS-9 L1633891-26 GW

Collected by: Chris Fincher
 Collected date/time: 07/09/23 13:15
 Received date/time: 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG2095980	1	07/17/23 11:00	07/17/23 11:00	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2094642	20	07/16/23 00:16	07/16/23 00:16	AEC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092818	1	07/11/23 21:33	07/11/23 21:33	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2097280	1	07/19/23 06:02	07/19/23 06:02	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	1	07/11/23 20:07	07/19/23 12:20	ZSA	Mt. Juliet, TN

LDS-10 L1633891-27 GW

Collected by: Chris Fincher
 Collected date/time: 07/09/23 13:45
 Received date/time: 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG2095980	1	07/17/23 11:26	07/17/23 11:26	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2094637	5000	07/14/23 22:41	07/14/23 22:41	AEC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092818	10	07/11/23 21:37	07/11/23 21:37	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2097280	20	07/19/23 06:18	07/19/23 06:18	GEB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	1	07/11/23 20:07	07/19/23 12:23	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	5	07/11/23 20:07	07/21/23 02:30	CCE	Mt. Juliet, TN

SAMPLE SUMMARY

LDS-12 L1633891-28 GW

Collected by: Chris Fincher
 Collected date/time: 07/09/23 14:45
 Received date/time: 07/11/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 2320 B-2011	WG2095980	1	07/17/23 11:34	07/17/23 11:34	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2094637	100	07/14/23 23:26	07/14/23 23:26	AEC	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2092818	10	07/11/23 21:38	07/11/23 21:38	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2097563	100	07/19/23 12:07	07/19/23 12:07	KMC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	1	07/11/23 20:07	07/19/23 10:44	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2092917	5	07/11/23 20:07	07/21/23 02:16	CCE	Mt. Juliet, TN

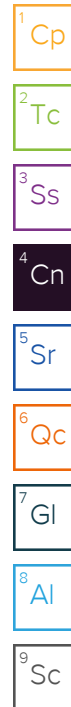
- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Sr
- ⁶Qc
- ⁷Gl
- ⁸Al
- ⁹Sc

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.

Sample Delivery Group (SDG) Narrative

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

Batch	Method	Lab Sample ID
WG2092801	350.1	L1633891-06, 07, 08, 09, 10, 11, 12, 14, 15, 16, 17, 20, 21, 22, 23
WG2092818	353.2	L1633891-20, 21, 22, 23, 27, 28
WG2094637	350.1	L1633891-27, 28

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
WG2093348	(DUP) R3948623-4	Dissolved Solids

Wet Chemistry by Method 350.1

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

Batch	Lab Sample ID	Analytes
WG2092799	(DUP) R3947829-7	Ammonia Nitrogen

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2097280	(MS) R3950233-4, L1633891-18	Chloride
WG2097563	(MS) R3950797-3, (MSD) R3950797-4	Sulfate

CASE NARRATIVE

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
WG2093479	(LCS) R3948671-1, L1633891-01, 02, 03, 04, 05	Vinyl acetate

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

Analyte	Result	Units
pH (On Site)	5.78	su
Specific Conductance (on site)	238	umhos/cm
Temperature (on-site)	17.9	Deg. C
Turbidity (on-site)	9.1	NTU
Dissolved Oxygen (on-site)	8.1	mg/l
eH/ORP (On Site)	161.5	mV
Depth to water (DTW) (FROM TOC)	101.28	ft

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 date / time	Batch
Dissolved Solids	121		10.0	1	07/13/2023 10:05	WG2093592

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	102		10.0	1	07/17/2023 11:52	WG2095978
Alkalinity,Bicarbonate	102		10.0	1	07/17/2023 11:52	WG2095978
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 11:52	WG2095978

Sample Narrative:

L1633891-01 WG2095978: Endpoint pH 4.5

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 13:34	WG2092799

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.803		0.100	1	07/11/2023 21:05	WG2092818

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	3.50		3.00	1	07/18/2023 14:35	WG2096724
Sulfate	ND		5.00	1	07/18/2023 14:35	WG2096724

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	ND		1.00	1	07/22/2023 19:28	WG2099016

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/19/2023 11:41	WG2092917
Barium,Total Recoverable	0.0206		0.00500	1	07/19/2023 11:41	WG2092917
Calcium, Total Recoverable	39.8		0.200	1	07/19/2023 11:41	WG2092917
Iron, Total Recoverable	ND		0.0600	1	07/19/2023 11:41	WG2092917
Potassium, Total Recoverable	ND		3.00	1	07/19/2023 11:41	WG2092917

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	1.08		0.200	1	07/19/2023 11:41	WG2092917
Manganese, Total Recoverable	0.00956	J	0.00300	1	07/19/2023 11:41	WG2092917
Sodium, Total Recoverable	ND		5.00	1	07/19/2023 11:41	WG2092917
Lead, Total Recoverable	ND		0.00500	1	07/19/2023 11:41	WG2092917
Selenium, Total Recoverable	ND		0.0100	1	07/19/2023 11:41	WG2092917

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	07/12/2023 14:11	WG2092923
Beryllium, Total Recoverable	ND		0.00100	1	07/12/2023 14:11	WG2092923
Cadmium, Total Recoverable	ND		0.00100	1	07/12/2023 14:11	WG2092923
Cobalt, Total Recoverable	ND		0.00300	1	07/12/2023 14:11	WG2092923
Chromium, Total Recoverable	ND		0.00300	1	07/12/2023 14:11	WG2092923
Copper, Total Recoverable	ND		0.00400	1	07/12/2023 14:11	WG2092923
Nickel, Total Recoverable	ND		0.00400	1	07/12/2023 14:11	WG2092923
Antimony, Total Recoverable	ND		0.00200	1	07/12/2023 14:11	WG2092923
Thallium, Total Recoverable	ND		0.00100	1	07/12/2023 14:11	WG2092923
Vanadium, Total Recoverable	ND		0.00300	1	07/12/2023 14:11	WG2092923
Zinc, Total Recoverable	0.00548	J	0.00500	1	07/12/2023 14:11	WG2092923

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	07/12/2023 16:34	WG2093479
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 16:34	WG2093479
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 16:34	WG2093479
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 16:34	WG2093479
1,1-Dichloroethane	ND		1.00	1	07/12/2023 16:34	WG2093479
1,1-Dichloroethene	ND		1.00	1	07/12/2023 16:34	WG2093479
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 16:34	WG2093479
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 16:34	WG2093479
1,2-Dibromoethane	ND		1.00	1	07/12/2023 16:34	WG2093479
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 16:34	WG2093479
1,2-Dichloroethane	ND		1.00	1	07/12/2023 16:34	WG2093479
1,2-Dichloropropane	ND		1.00	1	07/12/2023 16:34	WG2093479
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 16:34	WG2093479
2-Butanone (MEK)	ND		5.00	1	07/12/2023 16:34	WG2093479
2-Hexanone	ND		5.00	1	07/12/2023 16:34	WG2093479
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 16:34	WG2093479
Acetone	ND		10.0	1	07/12/2023 16:34	WG2093479
Acrylonitrile	ND		20.0	1	07/12/2023 16:34	WG2093479
Benzene	ND		1.00	1	07/12/2023 16:34	WG2093479
Bromochloromethane	ND		1.00	1	07/12/2023 16:34	WG2093479
Bromodichloromethane	ND		1.00	1	07/12/2023 16:34	WG2093479
Bromoform	ND		1.00	1	07/12/2023 16:34	WG2093479
Bromomethane	ND		1.00	1	07/12/2023 16:34	WG2093479
Carbon disulfide	ND		1.00	1	07/12/2023 16:34	WG2093479
Carbon tetrachloride	ND		1.00	1	07/12/2023 16:34	WG2093479
Chlorobenzene	ND		1.00	1	07/12/2023 16:34	WG2093479
Chloroethane	ND		1.00	1	07/12/2023 16:34	WG2093479
Chloroform	ND		1.00	1	07/12/2023 16:34	WG2093479
Chloromethane	ND		1.00	1	07/12/2023 16:34	WG2093479
Dibromochloromethane	ND		1.00	1	07/12/2023 16:34	WG2093479
Dibromomethane	ND		1.00	1	07/12/2023 16:34	WG2093479

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch	
	ug/l		ug/l		date / time		
Ethylbenzene	ND		1.00	1	07/12/2023 16:34	WG2093479	¹ Cp
Iodomethane	ND		1.00	1	07/12/2023 16:34	WG2093479	² Tc
Methylene Chloride	ND		1.07	1	07/12/2023 16:34	WG2093479	
Styrene	ND		1.00	1	07/12/2023 16:34	WG2093479	³ Ss
Tetrachloroethene	ND		1.00	1	07/12/2023 16:34	WG2093479	
Toluene	ND		1.00	1	07/12/2023 16:34	WG2093479	⁴ Cn
Trichloroethene	ND		1.00	1	07/12/2023 16:34	WG2093479	
Trichlorofluoromethane	ND		1.00	1	07/12/2023 16:34	WG2093479	
Vinyl acetate	ND	<u>J4</u>	5.00	1	07/12/2023 16:34	WG2093479	⁵ Sr
Vinyl chloride	ND		1.00	1	07/12/2023 16:34	WG2093479	
Xylenes, Total	ND		1.00	1	07/12/2023 16:34	WG2093479	⁶ Qc
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 16:34	WG2093479	
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 16:34	WG2093479	
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 16:34	WG2093479	⁷ Gl
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 16:34	WG2093479	
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 16:34	WG2093479	⁸ Al
(S) 1,2-Dichloroethane-d4	105			70.0-130	07/12/2023 16:34	WG2093479	
(S) 4-Bromofluorobenzene	90.8			77.0-126	07/12/2023 16:34	WG2093479	
(S) Toluene-d8	94.2			80.0-120	07/12/2023 16:34	WG2093479	⁹ Sc

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

Analyte	Result	Units
pH (On Site)	5.63	su
Specific Conductance (on site)	282	umhos/cm
Temperature (on-site)	19.6	Deg. C
Turbidity (on-site)	11.6	NTU
Dissolved Oxygen (on-site)	7.4	mg/l
eH/ORP (On Site)	181	mV
Depth to water (DTW) (FROM TOC)	60.3	ft

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 date / time	Batch
Dissolved Solids	154		10.0	1	07/12/2023 14:00	WG2093348

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	102		10.0	1	07/17/2023 11:56	WG2095978
Alkalinity,Bicarbonate	102		10.0	1	07/17/2023 11:56	WG2095978
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 11:56	WG2095978

Sample Narrative:

L1633891-02 WG2095978: Endpoint pH 4.5

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 13:36	WG2092799

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.45		0.100	1	07/11/2023 21:14	WG2092818

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	6.95		3.00	1	07/18/2023 14:52	WG2096724
Sulfate	13.5		5.00	1	07/18/2023 14:52	WG2096724

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	1.06		1.00	1	07/21/2023 23:12	WG2099016

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/19/2023 11:31	WG2092917
Barium,Total Recoverable	0.0338		0.00500	1	07/19/2023 11:31	WG2092917
Calcium, Total Recoverable	36.1		0.200	1	07/19/2023 11:31	WG2092917
Iron, Total Recoverable	ND		0.0600	1	07/19/2023 11:31	WG2092917
Potassium, Total Recoverable	ND		3.00	1	07/19/2023 11:31	WG2092917

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Magnesium, Total Recoverable	2.64		0.200	1	07/19/2023 11:31	WG2092917
Manganese, Total Recoverable	0.0108		0.00300	1	07/19/2023 11:31	WG2092917
Sodium, Total Recoverable	10.8		5.00	1	07/19/2023 11:31	WG2092917
Lead, Total Recoverable	ND		0.00500	1	07/19/2023 11:31	WG2092917
Selenium, Total Recoverable	0.0112		0.0100	1	07/19/2023 11:31	WG2092917



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	07/12/2023 14:46	WG2092923
Beryllium, Total Recoverable	ND		0.00100	1	07/12/2023 14:46	WG2092923
Cadmium, Total Recoverable	ND		0.00100	1	07/12/2023 14:46	WG2092923
Cobalt, Total Recoverable	ND		0.00300	1	07/12/2023 14:46	WG2092923
Chromium, Total Recoverable	ND		0.00300	1	07/12/2023 14:46	WG2092923
Copper, Total Recoverable	ND		0.00400	1	07/12/2023 14:46	WG2092923
Nickel, Total Recoverable	ND		0.00400	1	07/12/2023 14:46	WG2092923
Antimony, Total Recoverable	ND		0.00200	1	07/12/2023 14:46	WG2092923
Thallium, Total Recoverable	ND		0.00100	1	07/12/2023 14:46	WG2092923
Vanadium, Total Recoverable	ND		0.00300	1	07/12/2023 14:46	WG2092923
Zinc, Total Recoverable	ND		0.00500	1	07/12/2023 14:46	WG2092923



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	07/12/2023 16:56	WG2093479
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 16:56	WG2093479
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 16:56	WG2093479
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 16:56	WG2093479
1,1-Dichloroethane	ND		1.00	1	07/12/2023 16:56	WG2093479
1,1-Dichloroethene	ND		1.00	1	07/12/2023 16:56	WG2093479
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 16:56	WG2093479
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 16:56	WG2093479
1,2-Dibromoethane	ND		1.00	1	07/12/2023 16:56	WG2093479
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 16:56	WG2093479
1,2-Dichloroethane	ND		1.00	1	07/12/2023 16:56	WG2093479
1,2-Dichloropropane	ND		1.00	1	07/12/2023 16:56	WG2093479
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 16:56	WG2093479
2-Butanone (MEK)	ND		5.00	1	07/12/2023 16:56	WG2093479
2-Hexanone	ND		5.00	1	07/12/2023 16:56	WG2093479
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 16:56	WG2093479
Acetone	ND		10.0	1	07/12/2023 16:56	WG2093479
Acrylonitrile	ND		20.0	1	07/12/2023 16:56	WG2093479
Benzene	ND		1.00	1	07/12/2023 16:56	WG2093479
Bromochloromethane	ND		1.00	1	07/12/2023 16:56	WG2093479
Bromodichloromethane	ND		1.00	1	07/12/2023 16:56	WG2093479
Bromoform	ND		1.00	1	07/12/2023 16:56	WG2093479
Bromomethane	ND		1.00	1	07/12/2023 16:56	WG2093479
Carbon disulfide	ND		1.00	1	07/12/2023 16:56	WG2093479
Carbon tetrachloride	ND		1.00	1	07/12/2023 16:56	WG2093479
Chlorobenzene	ND		1.00	1	07/12/2023 16:56	WG2093479
Chloroethane	ND		1.00	1	07/12/2023 16:56	WG2093479
Chloroform	ND		1.00	1	07/12/2023 16:56	WG2093479
Chloromethane	ND		1.00	1	07/12/2023 16:56	WG2093479
Dibromochloromethane	ND		1.00	1	07/12/2023 16:56	WG2093479
Dibromomethane	ND		1.00	1	07/12/2023 16:56	WG2093479

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 16:56	WG2093479
Iodomethane	ND		1.00	1	07/12/2023 16:56	WG2093479
Methylene Chloride	ND		1.07	1	07/12/2023 16:56	WG2093479
Styrene	ND		1.00	1	07/12/2023 16:56	WG2093479
Tetrachloroethene	ND		1.00	1	07/12/2023 16:56	WG2093479
Toluene	ND		1.00	1	07/12/2023 16:56	WG2093479
Trichloroethene	ND		1.00	1	07/12/2023 16:56	WG2093479
Trichlorofluoromethane	ND		1.00	1	07/12/2023 16:56	WG2093479
Vinyl acetate	ND	J4	5.00	1	07/12/2023 16:56	WG2093479
Vinyl chloride	ND		1.00	1	07/12/2023 16:56	WG2093479
Xylenes, Total	ND		1.00	1	07/12/2023 16:56	WG2093479
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 16:56	WG2093479
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 16:56	WG2093479
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 16:56	WG2093479
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 16:56	WG2093479
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 16:56	WG2093479
(S) 1,2-Dichloroethane-d4	112			70.0-130	07/12/2023 16:56	WG2093479
(S) 4-Bromofluorobenzene	95.8			77.0-126	07/12/2023 16:56	WG2093479
(S) Toluene-d8	100			80.0-120	07/12/2023 16:56	WG2093479

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

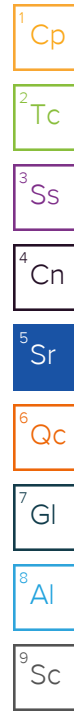
7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.29	su
Specific Conductance (on site)	530	umhos/cm
Temperature (on-site)	21.1	Deg. C
Turbidity (on-site)	5.3	NTU
Dissolved Oxygen (on-site)	2.9	mg/l
eH/ORP (On Site)	175.4	mV
Depth to water (DTW) (FROM TOC)	68.95	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	282		10.0	1	07/13/2023 10:05	WG2093592

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	240		10.0	1	07/17/2023 12:02	WG2095978
Alkalinity,Bicarbonate	240		10.0	1	07/17/2023 12:02	WG2095978
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 12:02	WG2095978

Sample Narrative:

L1633891-03 WG2095978: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 13:37	WG2092799

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	2.78		0.100	2	07/11/2023 21:15	WG2092818

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	7.02		3.00	1	07/18/2023 15:09	WG2096724
Sulfate	ND		5.00	1	07/18/2023 15:09	WG2096724

Wet Chemistry by Method 9060A

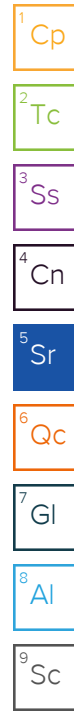
Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	ND		1.00	1	07/21/2023 23:37	WG2099016

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/19/2023 11:44	WG2092917
Barium,Total Recoverable	0.0859		0.00500	1	07/19/2023 11:44	WG2092917
Calcium, Total Recoverable	91.7		0.200	1	07/19/2023 11:44	WG2092917
Iron, Total Recoverable	ND		0.0600	1	07/19/2023 11:44	WG2092917
Potassium, Total Recoverable	ND		3.00	1	07/19/2023 11:44	WG2092917

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	1.49		0.200	1	07/19/2023 11:44	WG2092917
Manganese, Total Recoverable	ND		0.00300	1	07/19/2023 11:44	WG2092917
Sodium, Total Recoverable	12.2		5.00	1	07/19/2023 11:44	WG2092917
Lead, Total Recoverable	ND		0.00500	1	07/19/2023 11:44	WG2092917
Selenium, Total Recoverable	0.0241		0.0100	1	07/19/2023 11:44	WG2092917



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	07/12/2023 14:49	WG2092923
Beryllium, Total Recoverable	ND		0.00100	1	07/12/2023 14:49	WG2092923
Cadmium, Total Recoverable	ND		0.00100	1	07/12/2023 14:49	WG2092923
Cobalt, Total Recoverable	ND		0.00300	1	07/12/2023 14:49	WG2092923
Chromium, Total Recoverable	ND		0.00300	1	07/12/2023 14:49	WG2092923
Copper, Total Recoverable	ND		0.00400	1	07/12/2023 14:49	WG2092923
Nickel, Total Recoverable	ND		0.00400	1	07/12/2023 14:49	WG2092923
Antimony, Total Recoverable	ND		0.00200	1	07/12/2023 14:49	WG2092923
Thallium, Total Recoverable	ND		0.00100	1	07/12/2023 14:49	WG2092923
Vanadium, Total Recoverable	ND		0.00300	1	07/12/2023 14:49	WG2092923
Zinc, Total Recoverable	0.0245	J	0.00500	1	07/12/2023 14:49	WG2092923

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	07/12/2023 17:18	WG2093479
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 17:18	WG2093479
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 17:18	WG2093479
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 17:18	WG2093479
1,1-Dichloroethane	ND		1.00	1	07/12/2023 17:18	WG2093479
1,1-Dichloroethene	ND		1.00	1	07/12/2023 17:18	WG2093479
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 17:18	WG2093479
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 17:18	WG2093479
1,2-Dibromoethane	ND		1.00	1	07/12/2023 17:18	WG2093479
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 17:18	WG2093479
1,2-Dichloroethane	ND		1.00	1	07/12/2023 17:18	WG2093479
1,2-Dichloropropane	ND		1.00	1	07/12/2023 17:18	WG2093479
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 17:18	WG2093479
2-Butanone (MEK)	ND		5.00	1	07/12/2023 17:18	WG2093479
2-Hexanone	ND		5.00	1	07/12/2023 17:18	WG2093479
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 17:18	WG2093479
Acetone	ND		10.0	1	07/12/2023 17:18	WG2093479
Acrylonitrile	ND		20.0	1	07/12/2023 17:18	WG2093479
Benzene	ND		1.00	1	07/12/2023 17:18	WG2093479
Bromochloromethane	ND		1.00	1	07/12/2023 17:18	WG2093479
Bromodichloromethane	ND		1.00	1	07/12/2023 17:18	WG2093479
Bromoform	ND		1.00	1	07/12/2023 17:18	WG2093479
Bromomethane	ND		1.00	1	07/12/2023 17:18	WG2093479
Carbon disulfide	ND		1.00	1	07/12/2023 17:18	WG2093479
Carbon tetrachloride	ND		1.00	1	07/12/2023 17:18	WG2093479
Chlorobenzene	ND		1.00	1	07/12/2023 17:18	WG2093479
Chloroethane	ND		1.00	1	07/12/2023 17:18	WG2093479
Chloroform	ND		1.00	1	07/12/2023 17:18	WG2093479
Chloromethane	ND		1.00	1	07/12/2023 17:18	WG2093479
Dibromochloromethane	ND		1.00	1	07/12/2023 17:18	WG2093479
Dibromomethane	ND		1.00	1	07/12/2023 17:18	WG2093479

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 17:18	WG2093479
Iodomethane	ND		1.00	1	07/12/2023 17:18	WG2093479
Methylene Chloride	ND		1.07	1	07/12/2023 17:18	WG2093479
Styrene	ND		1.00	1	07/12/2023 17:18	WG2093479
Tetrachloroethene	ND		1.00	1	07/12/2023 17:18	WG2093479
Toluene	ND		1.00	1	07/12/2023 17:18	WG2093479
Trichloroethene	ND		1.00	1	07/12/2023 17:18	WG2093479
Trichlorofluoromethane	ND		1.00	1	07/12/2023 17:18	WG2093479
Vinyl acetate	ND	<u>J4</u>	5.00	1	07/12/2023 17:18	WG2093479
Vinyl chloride	ND		1.00	1	07/12/2023 17:18	WG2093479
Xylenes, Total	ND		1.00	1	07/12/2023 17:18	WG2093479
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 17:18	WG2093479
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 17:18	WG2093479
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 17:18	WG2093479
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 17:18	WG2093479
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 17:18	WG2093479
(S) 1,2-Dichloroethane-d4	110			70.0-130	07/12/2023 17:18	WG2093479
(S) 4-Bromofluorobenzene	88.5			77.0-126	07/12/2023 17:18	WG2093479
(S) Toluene-d8	99.0			80.0-120	07/12/2023 17:18	WG2093479

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)	6.4	su
Specific Conductance (on site)	409	umhos/cm
Temperature (on-site)	20.7	Deg. C
Turbidity (on-site)	5	NTU
Dissolved Oxygen (on-site)	1.9	mg/l
eH/ORP (On Site)	168.9	mV
Depth to water (DTW) (FROM TOC)	80.33	ft

- 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 date / time	Batch
Dissolved Solids	220		10.0	1	07/13/2023 10:05	WG2093592

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	193		10.0	1	07/17/2023 12:06	WG2095978
Alkalinity,Bicarbonate	193		10.0	1	07/17/2023 12:06	WG2095978
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 12:06	WG2095978

Sample Narrative:

L1633891-04 WG2095978: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 13:39	WG2092799

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/11/2023 21:16	WG2092818

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	3.40		3.00	1	07/18/2023 15:26	WG2096724
Sulfate	ND		5.00	1	07/18/2023 15:26	WG2096724

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	ND		1.00	1	07/22/2023 00:29	WG2099016

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/19/2023 11:47	WG2092917
Barium, Total Recoverable	0.0397		0.00500	1	07/19/2023 11:47	WG2092917
Calcium, Total Recoverable	70.0		0.200	1	07/19/2023 11:47	WG2092917
Iron, Total Recoverable	ND		0.0600	1	07/19/2023 11:47	WG2092917
Potassium, Total Recoverable	ND		3.00	1	07/19/2023 11:47	WG2092917

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	3.27		0.200	1	07/19/2023 11:47	WG2092917
Manganese, Total Recoverable	ND		0.00300	1	07/19/2023 11:47	WG2092917
Sodium, Total Recoverable	7.39		5.00	1	07/19/2023 11:47	WG2092917
Lead, Total Recoverable	ND		0.00500	1	07/19/2023 11:47	WG2092917
Selenium, Total Recoverable	0.0158		0.0100	1	07/19/2023 11:47	WG2092917

¹ Cp

² Tc

³ Ss

⁴ Cn

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	07/12/2023 14:53	WG2092923
Beryllium, Total Recoverable	ND		0.00100	1	07/12/2023 14:53	WG2092923
Cadmium, Total Recoverable	ND		0.00100	1	07/12/2023 14:53	WG2092923
Cobalt, Total Recoverable	ND		0.00300	1	07/12/2023 14:53	WG2092923
Chromium, Total Recoverable	ND		0.00300	1	07/12/2023 14:53	WG2092923
Copper, Total Recoverable	ND		0.00400	1	07/12/2023 14:53	WG2092923
Nickel, Total Recoverable	0.00616		0.00400	1	07/12/2023 14:53	WG2092923
Antimony, Total Recoverable	ND		0.00200	1	07/12/2023 14:53	WG2092923
Thallium, Total Recoverable	ND		0.00100	1	07/12/2023 14:53	WG2092923
Vanadium, Total Recoverable	ND		0.00300	1	07/12/2023 14:53	WG2092923
Zinc, Total Recoverable	0.0506		0.00500	1	07/12/2023 14:53	WG2092923

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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	07/12/2023 17:39	WG2093479
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 17:39	WG2093479
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 17:39	WG2093479
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 17:39	WG2093479
1,1-Dichloroethane	ND		1.00	1	07/12/2023 17:39	WG2093479
1,1-Dichloroethene	ND		1.00	1	07/12/2023 17:39	WG2093479
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 17:39	WG2093479
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 17:39	WG2093479
1,2-Dibromoethane	ND		1.00	1	07/12/2023 17:39	WG2093479
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 17:39	WG2093479
1,2-Dichloroethane	ND		1.00	1	07/12/2023 17:39	WG2093479
1,2-Dichloropropane	ND		1.00	1	07/12/2023 17:39	WG2093479
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 17:39	WG2093479
2-Butanone (MEK)	ND		5.00	1	07/12/2023 17:39	WG2093479
2-Hexanone	ND		5.00	1	07/12/2023 17:39	WG2093479
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 17:39	WG2093479
Acetone	ND		10.0	1	07/12/2023 17:39	WG2093479
Acrylonitrile	ND		20.0	1	07/12/2023 17:39	WG2093479
Benzene	ND		1.00	1	07/12/2023 17:39	WG2093479
Bromochloromethane	ND		1.00	1	07/12/2023 17:39	WG2093479
Bromodichloromethane	ND		1.00	1	07/12/2023 17:39	WG2093479
Bromoform	ND		1.00	1	07/12/2023 17:39	WG2093479
Bromomethane	ND		1.00	1	07/12/2023 17:39	WG2093479
Carbon disulfide	ND		1.00	1	07/12/2023 17:39	WG2093479
Carbon tetrachloride	ND		1.00	1	07/12/2023 17:39	WG2093479
Chlorobenzene	ND		1.00	1	07/12/2023 17:39	WG2093479
Chloroethane	ND		1.00	1	07/12/2023 17:39	WG2093479
Chloroform	ND		1.00	1	07/12/2023 17:39	WG2093479
Chloromethane	ND		1.00	1	07/12/2023 17:39	WG2093479
Dibromochloromethane	ND		1.00	1	07/12/2023 17:39	WG2093479
Dibromomethane	ND		1.00	1	07/12/2023 17:39	WG2093479

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 17:39	WG2093479
Iodomethane	ND		1.00	1	07/12/2023 17:39	WG2093479
Methylene Chloride	ND		1.07	1	07/12/2023 17:39	WG2093479
Styrene	ND		1.00	1	07/12/2023 17:39	WG2093479
Tetrachloroethene	ND		1.00	1	07/12/2023 17:39	WG2093479
Toluene	ND		1.00	1	07/12/2023 17:39	WG2093479
Trichloroethene	ND		1.00	1	07/12/2023 17:39	WG2093479
Trichlorofluoromethane	ND		1.00	1	07/12/2023 17:39	WG2093479
Vinyl acetate	ND	J4	5.00	1	07/12/2023 17:39	WG2093479
Vinyl chloride	ND		1.00	1	07/12/2023 17:39	WG2093479
Xylenes, Total	ND		1.00	1	07/12/2023 17:39	WG2093479
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 17:39	WG2093479
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 17:39	WG2093479
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 17:39	WG2093479
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 17:39	WG2093479
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 17:39	WG2093479
(S) 1,2-Dichloroethane-d4	115			70.0-130	07/12/2023 17:39	WG2093479
(S) 4-Bromofluorobenzene	98.4			77.0-126	07/12/2023 17:39	WG2093479
(S) Toluene-d8	99.9			80.0-120	07/12/2023 17:39	WG2093479

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.18	su
Specific Conductance (on site)	366	umhos/cm
Temperature (on-site)	18	Deg. C
Turbidity (on-site)	5	NTU
Dissolved Oxygen (on-site)	6.5	mg/l
eH/ORP (On Site)	166.3	mV
Depth to water (DTW) (FROM TOC)	58.32	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	197		10.0	1	07/12/2023 14:00	WG2093348

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	177		10.0	1	07/17/2023 12:22	WG2095978
Alkalinity,Bicarbonate	177		10.0	1	07/17/2023 12:22	WG2095978
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 12:22	WG2095978

Sample Narrative:

L1633891-05 WG2095978: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	07/12/2023 14:06	WG2092801

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.418		0.100	1	07/11/2023 21:17	WG2092818

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	ND		3.00	1	07/18/2023 15:43	WG2096724
Sulfate	ND		5.00	1	07/18/2023 15:43	WG2096724

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	ND		1.00	1	07/22/2023 00:41	WG2099016

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	07/19/2023 11:49	WG2092917
Barium,Total Recoverable	0.0511		0.00500	1	07/19/2023 11:49	WG2092917
Calcium, Total Recoverable	67.3		0.200	1	07/19/2023 11:49	WG2092917
Iron, Total Recoverable	ND		0.0600	1	07/19/2023 11:49	WG2092917
Potassium, Total Recoverable	ND		3.00	1	07/19/2023 11:49	WG2092917

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	0.572	J	0.200	1	07/19/2023 11:49	WG2092917
Manganese, Total Recoverable	ND		0.00300	1	07/19/2023 11:49	WG2092917
Sodium, Total Recoverable	ND		5.00	1	07/19/2023 11:49	WG2092917
Lead, Total Recoverable	ND		0.00500	1	07/19/2023 11:49	WG2092917
Selenium, Total Recoverable	0.0166		0.0100	1	07/19/2023 11:49	WG2092917

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

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	07/12/2023 14:56	WG2092923
Beryllium, Total Recoverable	ND		0.00100	1	07/12/2023 14:56	WG2092923
Cadmium, Total Recoverable	ND		0.00100	1	07/12/2023 14:56	WG2092923
Cobalt, Total Recoverable	ND		0.00300	1	07/12/2023 14:56	WG2092923
Chromium, Total Recoverable	ND		0.00300	1	07/12/2023 14:56	WG2092923
Copper, Total Recoverable	ND		0.00400	1	07/12/2023 14:56	WG2092923
Nickel, Total Recoverable	ND		0.00400	1	07/12/2023 14:56	WG2092923
Antimony, Total Recoverable	ND		0.00200	1	07/12/2023 14:56	WG2092923
Thallium, Total Recoverable	ND		0.00100	1	07/12/2023 14:56	WG2092923
Vanadium, Total Recoverable	ND		0.00300	1	07/12/2023 14:56	WG2092923
Zinc, Total Recoverable	0.0228	J	0.00500	1	07/12/2023 14:56	WG2092923

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	07/12/2023 18:01	WG2093479
1,1,1-Trichloroethane	ND		1.00	1	07/12/2023 18:01	WG2093479
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/12/2023 18:01	WG2093479
1,1,2-Trichloroethane	ND		1.00	1	07/12/2023 18:01	WG2093479
1,1-Dichloroethane	ND		1.00	1	07/12/2023 18:01	WG2093479
1,1-Dichloroethene	ND		1.00	1	07/12/2023 18:01	WG2093479
1,2,3-Trichloropropane	ND		1.00	1	07/12/2023 18:01	WG2093479
1,2-Dibromo-3-Chloropropane	ND		2.00	1	07/12/2023 18:01	WG2093479
1,2-Dibromoethane	ND		1.00	1	07/12/2023 18:01	WG2093479
1,2-Dichlorobenzene	ND		1.00	1	07/12/2023 18:01	WG2093479
1,2-Dichloroethane	ND		1.00	1	07/12/2023 18:01	WG2093479
1,2-Dichloropropane	ND		1.00	1	07/12/2023 18:01	WG2093479
1,4-Dichlorobenzene	ND		1.00	1	07/12/2023 18:01	WG2093479
2-Butanone (MEK)	ND		5.00	1	07/12/2023 18:01	WG2093479
2-Hexanone	ND		5.00	1	07/12/2023 18:01	WG2093479
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	07/12/2023 18:01	WG2093479
Acetone	ND		10.0	1	07/12/2023 18:01	WG2093479
Acrylonitrile	ND		20.0	1	07/12/2023 18:01	WG2093479
Benzene	ND		1.00	1	07/12/2023 18:01	WG2093479
Bromochloromethane	ND		1.00	1	07/12/2023 18:01	WG2093479
Bromodichloromethane	ND		1.00	1	07/12/2023 18:01	WG2093479
Bromoform	ND		1.00	1	07/12/2023 18:01	WG2093479
Bromomethane	ND		1.00	1	07/12/2023 18:01	WG2093479
Carbon disulfide	ND		1.00	1	07/12/2023 18:01	WG2093479
Carbon tetrachloride	ND		1.00	1	07/12/2023 18:01	WG2093479
Chlorobenzene	ND		1.00	1	07/12/2023 18:01	WG2093479
Chloroethane	ND		1.00	1	07/12/2023 18:01	WG2093479
Chloroform	ND		1.00	1	07/12/2023 18:01	WG2093479
Chloromethane	ND		1.00	1	07/12/2023 18:01	WG2093479
Dibromochloromethane	ND		1.00	1	07/12/2023 18:01	WG2093479
Dibromomethane	ND		1.00	1	07/12/2023 18:01	WG2093479

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	07/12/2023 18:01	WG2093479
Iodomethane	ND		1.00	1	07/12/2023 18:01	WG2093479
Methylene Chloride	ND		1.07	1	07/12/2023 18:01	WG2093479
Styrene	ND		1.00	1	07/12/2023 18:01	WG2093479
Tetrachloroethene	ND		1.00	1	07/12/2023 18:01	WG2093479
Toluene	ND		1.00	1	07/12/2023 18:01	WG2093479
Trichloroethene	ND		1.00	1	07/12/2023 18:01	WG2093479
Trichlorofluoromethane	ND		1.00	1	07/12/2023 18:01	WG2093479
Vinyl acetate	ND	J4	5.00	1	07/12/2023 18:01	WG2093479
Vinyl chloride	ND		1.00	1	07/12/2023 18:01	WG2093479
Xylenes, Total	ND		1.00	1	07/12/2023 18:01	WG2093479
cis-1,2-Dichloroethene	ND		1.00	1	07/12/2023 18:01	WG2093479
cis-1,3-Dichloropropene	ND		1.00	1	07/12/2023 18:01	WG2093479
trans-1,2-Dichloroethene	ND		1.00	1	07/12/2023 18:01	WG2093479
trans-1,3-Dichloropropene	ND		1.00	1	07/12/2023 18:01	WG2093479
trans-1,4-Dichloro-2-butene	ND		1.00	1	07/12/2023 18:01	WG2093479
(S) 1,2-Dichloroethane-d4	116			70.0-130	07/12/2023 18:01	WG2093479
(S) 4-Bromofluorobenzene	91.7			77.0-126	07/12/2023 18:01	WG2093479
(S) Toluene-d8	95.3			80.0-120	07/12/2023 18:01	WG2093479

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

Analyte	Result	Units
pH (On Site)	7.16	su
Specific Conductance (on site)	18558	umhos/cm
Temperature (on-site)	23.8	Deg. C
Turbidity (on-site)	439.75	NTU
Dissolved Oxygen (on-site)	1.16	mg/l
eH/ORP (On Site)	156.1	mV

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

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	1630		31.7	1000	07/12/2023 14:09	WG2092801

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	1190		5.19	100	07/18/2023 16:00	WG2096724

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)	15429	umhos/cm
Temperature (on-site)	22.6	Deg. C
Turbidity (on-site)	522.11	NTU
Dissolved Oxygen (on-site)	1.21	mg/l
eH/ORP (On Site)	212	mV

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

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	1110		31.7	1000	07/12/2023 14:10	WG2092801

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	1430		3.00	10	07/18/2023 16:17	WG2096724

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

Analyte	Result	Units
pH (On Site)	7.01	su
Specific Conductance (on site)	13600	umhos/cm
Temperature (on-site)	22.9	Deg. C
Turbidity (on-site)	45.45	NTU
Dissolved Oxygen (on-site)	4.8	mg/l
eH/ORP (On Site)	194.5	mV

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

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	967		31.7	1000	07/12/2023 14:12	WG2092801

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	1140		3.00	10	07/18/2023 16:34	WG2096724

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

Analyte	Result	Units
pH (On Site)	6.79	su
Specific Conductance (on site)	19705	umhos/cm
Temperature (on-site)	27	Deg. C
Turbidity (on-site)	76.81	NTU
Dissolved Oxygen (on-site)	1.11	mg/l
eH/ORP (On Site)	162.2	mV

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

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	1520		31.7	1000	07/12/2023 14:13	WG2092801

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	1500		3.00	10	07/18/2023 16:51	WG2096724

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

Analyte	Result	Units
pH (On Site)	7.6	su
Specific Conductance (on site)	29225	umhos/cm
Temperature (on-site)	31.5	Deg. C
Turbidity (on-site)	121.71	NTU
Dissolved Oxygen (on-site)	0.63	mg/l
eH/ORP (On Site)	122.2	mV

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

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	2650		31.7	1000	07/12/2023 14:15	WG2092801

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	2460		5.19	100	07/18/2023 17:41	WG2096724

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)	21142	umhos/cm
Temperature (on-site)	24.4	Deg. C
Turbidity (on-site)	361.05	NTU
Dissolved Oxygen (on-site)	4.2	mg/l
eH/ORP (On Site)	172.9	mV

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

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	1530		31.7	1000	07/12/2023 14:16	WG2092801

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	1680		3.00	10	07/18/2023 17:58	WG2096724

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

Analyte	Result	Units
pH (On Site)	6.98	su
Specific Conductance (on site)	23174	umhos/cm
Temperature (on-site)	30.3	Deg. C
Turbidity (on-site)	36.95	NTU
Dissolved Oxygen (on-site)	2.24	mg/l
eH/ORP (On Site)	179.7	mV

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

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	1570		158	5000	07/12/2023 14:22	WG2092801

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	2330		3.00	50	07/18/2023 18:15	WG2096724

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

Analyte	Result	Units
pH (On Site)	8.33	su
Specific Conductance (on site)	12562	umhos/cm
Temperature (on-site)	36	Deg. C
Turbidity (on-site)	2529.71	NTU
Dissolved Oxygen (on-site)	2.45	mg/l
eH/ORP (On Site)	176.4	mV

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	825		3.17	100	07/12/2023 14:24	WG2092801

5 Sr

6 Qc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	1070		3.00	10	07/18/2023 18:49	WG2096724

7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	8.98	su
Specific Conductance (on site)	20942	umhos/cm
Temperature (on-site)	31.2	Deg. C
Turbidity (on-site)	48.79	NTU
Dissolved Oxygen (on-site)	0.99	mg/l
eH/ORP (On Site)	178	mV

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

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	1490		6.34	200	07/12/2023 14:27	WG2092801

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	1800		5.19	100	07/19/2023 00:49	WG2097280

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

Analyte	Result	Units
pH (On Site)	8.18	su
Specific Conductance (on site)	24571	umhos/cm
Temperature (on-site)	35.7	Deg. C
Turbidity (on-site)	79.52	NTU
Dissolved Oxygen (on-site)	0.32	mg/l
eH/ORP (On Site)	154.8	mV

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

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	2020		158	5000	07/12/2023 14:28	WG2092801

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	2080		5.19	100	07/19/2023 01:05	WG2097280

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

Analyte	Result	Units
pH (On Site)	8.47	su
Specific Conductance (on site)	24887	umhos/cm
Temperature (on-site)	33.3	Deg. C
Turbidity (on-site)	248.52	NTU
Dissolved Oxygen (on-site)	2.15	mg/l
eH/ORP (On Site)	169	mV

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

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	1800		158	5000	07/12/2023 14:30	WG2092801

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	2060		5.19	100	07/19/2023 01:22	WG2097280

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

Analyte	Result	Units
pH (On Site)	8.13	su
Specific Conductance (on site)	20199	umhos/cm
Temperature (on-site)	33.4	Deg. C
Turbidity (on-site)	185.31	NTU
Dissolved Oxygen (on-site)	3.09	mg/l
eH/ORP (On Site)	155.1	mV

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

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	1400		31.7	1000	07/12/2023 14:31	WG2092801

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	1730		5.19	100	07/19/2023 01:38	WG2097280

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

Analyte	Result	Units
pH (On Site)	6.48	su
Specific Conductance (on site)	4478	umhos/cm
Temperature (on-site)	24.6	Deg. C
Turbidity (on-site)	4.35	NTU
Dissolved Oxygen (on-site)	1.91	mg/l
eH/ORP (On Site)	114.8	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity	1460		10.0	1	07/17/2023 12:27	WG2095978
Alkalinity,Bicarbonate	1460		10.0	1	07/17/2023 12:27	WG2095978
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 12:27	WG2095978

Sample Narrative:

L1633891-18 WG2095978: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	17.0		0.158	5	07/12/2023 14:33	WG2092801

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.100	1	07/11/2023 21:19	WG2092818

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	345	<u>V</u>	3.00	5	07/19/2023 03:02	WG2097280
Sulfate	ND		5.00	1	07/19/2023 02:29	WG2097280

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Calcium, Total Recoverable	87.5		0.200	1	07/19/2023 11:58	WG2092917
Potassium, Total Recoverable	22.7		3.00	1	07/19/2023 11:58	WG2092917
Magnesium, Total Recoverable	22.7		0.200	1	07/19/2023 11:58	WG2092917
Sodium,Total Recoverable	761		5.00	1	07/19/2023 11:58	WG2092917

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)	3618	umhos/cm
Temperature (on-site)	23.8	Deg. C
Turbidity (on-site)	6.51	NTU
Dissolved Oxygen (on-site)	4.44	mg/l
eH/ORP (On Site)	134.3	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity	919		10.0	1	07/17/2023 12:32	WG2095978
Alkalinity,Bicarbonate	919		10.0	1	07/17/2023 12:32	WG2095978
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 12:32	WG2095978

Sample Narrative:

L1633891-19 WG2095978: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	6.22		0.100	1	07/12/2023 14:34	WG2092801

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.100	1	07/11/2023 21:20	WG2092818

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	362		3.00	5	07/19/2023 03:35	WG2097280
Sulfate	ND		5.00	1	07/19/2023 03:18	WG2097280

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Calcium, Total Recoverable	88.8		0.200	1	07/19/2023 12:01	WG2092917
Potassium, Total Recoverable	13.0		3.00	1	07/19/2023 12:01	WG2092917
Magnesium, Total Recoverable	14.0		0.200	1	07/19/2023 12:01	WG2092917
Sodium,Total Recoverable	514		5.00	1	07/19/2023 12:01	WG2092917

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

Analyte	Result	Units
pH (On Site)	6.9	su
Specific Conductance (on site)	18885	umhos/cm
Temperature (on-site)	23.6	Deg. C
Turbidity (on-site)	34.17	NTU
Dissolved Oxygen (on-site)	2.13	mg/l
eH/ORP (On Site)	168.3	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity	8370		10.0	1	07/17/2023 10:18	WG2095980
Alkalinity,Bicarbonate	8370		10.0	1	07/17/2023 10:18	WG2095980
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 10:18	WG2095980

Sample Narrative:

L1633891-20 WG2095980: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	195		3.17	100	07/12/2023 15:06	WG2092801

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.197	10	07/11/2023 21:21	WG2092818

Sample Narrative:

L1633891-20 WG2092818: Diluted to leachate matrix.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1820		3.00	20	07/19/2023 03:51	WG2097280
Sulfate	8.53	J	5.00	20	07/19/2023 03:51	WG2097280

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Calcium, Total Recoverable	41.4		0.200	1	07/19/2023 12:03	WG2092917
Potassium, Total Recoverable	44.1		3.00	1	07/19/2023 12:03	WG2092917
Magnesium, Total Recoverable	106		0.200	1	07/19/2023 12:03	WG2092917
Sodium,Total Recoverable	3090		5.00	5	07/21/2023 02:19	WG2092917

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

Analyte	Result	Units
pH (On Site)	6.98	su
Specific Conductance (on site)	17730	umhos/cm
Temperature (on-site)	27.8	Deg. C
Turbidity (on-site)	203.7	NTU
Dissolved Oxygen (on-site)	2.01	mg/l
eH/ORP (On Site)	148.3	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity	7610		10.0	1	07/17/2023 10:26	WG2095980
Alkalinity,Bicarbonate	7610		10.0	1	07/17/2023 10:26	WG2095980
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 10:26	WG2095980

Sample Narrative:

L1633891-21 WG2095980: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	913		158	5000	07/12/2023 14:46	WG2092801

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.197	10	07/11/2023 21:22	WG2092818

Sample Narrative:

L1633891-21 WG2092818: Diluted to leachate matrix.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1250		3.00	20	07/19/2023 04:07	WG2097280
Sulfate	17.1	J	5.00	20	07/19/2023 04:07	WG2097280

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Calcium, Total Recoverable	24.8		0.200	1	07/19/2023 12:06	WG2092917
Potassium, Total Recoverable	278		3.00	5	07/21/2023 02:21	WG2092917
Magnesium, Total Recoverable	49.2		0.200	1	07/19/2023 12:06	WG2092917
Sodium,Total Recoverable	1980		5.00	5	07/21/2023 02:21	WG2092917

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

Analyte	Result	Units
pH (On Site)	7.46	su
Specific Conductance (on site)	11274	umhos/cm
Temperature (on-site)	28.1	Deg. C
Turbidity (on-site)	44.75	NTU
Dissolved Oxygen (on-site)	1.03	mg/l
eH/ORP (On Site)	111.9	mV

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity	4600		10.0	1	07/17/2023 10:33	WG2095980
Alkalinity,Bicarbonate	4600		10.0	1	07/17/2023 10:33	WG2095980
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 10:33	WG2095980

5 Sr

6 Qc

7 Gl

Sample Narrative:

L1633891-22 WG2095980: Endpoint pH 4.5 Headspace

8 Al

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	333		15.8	500	07/12/2023 14:48	WG2092801

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	4.75		0.197	10	07/11/2023 21:24	WG2092818

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	533		3.00	20	07/19/2023 04:23	WG2097280
Sulfate	17.2	J	5.00	20	07/19/2023 04:23	WG2097280

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Calcium, Total Recoverable	12.0		0.200	1	07/19/2023 12:09	WG2092917
Potassium, Total Recoverable	94.2		3.00	1	07/19/2023 12:09	WG2092917
Magnesium, Total Recoverable	12.7		0.200	1	07/19/2023 12:09	WG2092917
Sodium,Total Recoverable	1950		5.00	5	07/21/2023 02:24	WG2092917

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

Analyte	Result	Units
pH (On Site)	7.65	su
Specific Conductance (on site)	14425	umhos/cm
Temperature (on-site)	25.2	Deg. C
Turbidity (on-site)	12.5	NTU
Dissolved Oxygen (on-site)	2.61	mg/l
eH/ORP (On Site)	139.5	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity	5470		10.0	1	07/17/2023 10:41	WG2095980
Alkalinity,Bicarbonate	5470		10.0	1	07/17/2023 10:41	WG2095980
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 10:41	WG2095980

Sample Narrative:

L1633891-23 WG2095980: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	219		31.7	1000	07/12/2023 14:49	WG2092801

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.100	1	07/11/2023 21:29	WG2092818

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1630		3.00	20	07/19/2023 04:40	WG2097280
Sulfate	59.0	J	5.00	20	07/19/2023 04:40	WG2097280

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Calcium, Total Recoverable	52.4		0.200	1	07/19/2023 12:12	WG2092917
Potassium, Total Recoverable	76.1		3.00	1	07/19/2023 12:12	WG2092917
Magnesium, Total Recoverable	68.2		0.200	1	07/19/2023 12:12	WG2092917
Sodium,Total Recoverable	3080		5.00	5	07/21/2023 02:27	WG2092917

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

Analyte	Result	Units
pH (On Site)	7.59	su
Specific Conductance (on site)	6941	umhos/cm
Temperature (on-site)	27.2	Deg. C
Turbidity (on-site)	7.03	NTU
Dissolved Oxygen (on-site)	2.13	mg/l
eH/ORP (On Site)	128	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity	2580		10.0	1	07/17/2023 10:48	WG2095980
Alkalinity,Bicarbonate	2580		10.0	1	07/17/2023 10:48	WG2095980
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 10:48	WG2095980

Sample Narrative:

L1633891-24 WG2095980: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	185		31.7	1000	07/12/2023 14:51	WG2092801

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	0.136		0.100	1	07/11/2023 21:30	WG2092818

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	299		3.00	10	07/19/2023 04:56	WG2097280
Sulfate	31.0	J	5.00	10	07/19/2023 04:56	WG2097280

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Calcium, Total Recoverable	12.5		0.200	1	07/19/2023 12:14	WG2092917
Potassium, Total Recoverable	83.9		3.00	1	07/19/2023 12:14	WG2092917
Magnesium, Total Recoverable	12.5		0.200	1	07/19/2023 12:14	WG2092917
Sodium,Total Recoverable	939		5.00	1	07/19/2023 12:14	WG2092917

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

Analyte	Result	Units
pH (On Site)	8.7	su
Specific Conductance (on site)	3485	umhos/cm
Temperature (on-site)	32.8	Deg. C
Turbidity (on-site)	13.13	NTU
Dissolved Oxygen (on-site)	1.81	mg/l
eH/ORP (On Site)	129.9	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity	896		10.0	1	07/17/2023 10:53	WG2095980
Alkalinity,Bicarbonate	896		10.0	1	07/17/2023 10:53	WG2095980
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 10:53	WG2095980

Sample Narrative:

L1633891-25 WG2095980: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	26.8		0.317	10	07/13/2023 23:49	WG2094632

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.100	1	07/11/2023 21:31	WG2092818

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	120		3.00	5	07/19/2023 05:45	WG2097280
Sulfate	271		5.00	5	07/19/2023 05:45	WG2097280

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Calcium, Total Recoverable	23.7		0.200	1	07/19/2023 12:17	WG2092917
Potassium, Total Recoverable	23.8		3.00	1	07/19/2023 12:17	WG2092917
Magnesium, Total Recoverable	5.99		0.200	1	07/19/2023 12:17	WG2092917
Sodium,Total Recoverable	531		5.00	1	07/19/2023 12:17	WG2092917

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

Analyte	Result	Units
pH (On Site)	8.29	su
Specific Conductance (on site)	1630	umhos/cm
Temperature (on-site)	29.2	Deg. C
Turbidity (on-site)	2.29	NTU
Dissolved Oxygen (on-site)	1.57	mg/l
eH/ORP (On Site)	121.3	mV

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity	1390		10.0	1	07/17/2023 11:00	WG2095980
Alkalinity,Bicarbonate	1390		10.0	1	07/17/2023 11:00	WG2095980
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 11:00	WG2095980

5 Sr

6 Qc

7 Gl

Sample Narrative:

L1633891-26 WG2095980: Endpoint pH 4.5

8 Al

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	23.8		0.634	20	07/16/2023 00:16	WG2094642

9 Sc

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.100	1	07/11/2023 21:33	WG2092818

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	119		3.00	1	07/19/2023 06:02	WG2097280
Sulfate	ND		5.00	1	07/19/2023 06:02	WG2097280

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Calcium, Total Recoverable	53.6		0.200	1	07/19/2023 12:20	WG2092917
Potassium, Total Recoverable	24.6		3.00	1	07/19/2023 12:20	WG2092917
Magnesium, Total Recoverable	15.8		0.200	1	07/19/2023 12:20	WG2092917
Sodium,Total Recoverable	549		5.00	1	07/19/2023 12:20	WG2092917

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

Analyte	Result	Units
pH (On Site)	8.37	su
Specific Conductance (on site)	15407	umhos/cm
Temperature (on-site)	30.9	Deg. C
Turbidity (on-site)	157.87	NTU
Dissolved Oxygen (on-site)	0.34	mg/l
eH/ORP (On Site)	144.1	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity	9660		10.0	1	07/17/2023 11:26	WG2095980
Alkalinity,Bicarbonate	9660		10.0	1	07/17/2023 11:26	WG2095980
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 11:26	WG2095980

Sample Narrative:

L1633891-27 WG2095980: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	1270		158	5000	07/14/2023 22:41	WG2094637

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.197	10	07/11/2023 21:37	WG2092818

Sample Narrative:

L1633891-27 WG2092818: Diluted to leachate matrix.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2180		3.00	20	07/19/2023 06:18	WG2097280
Sulfate	8.83	J	5.00	20	07/19/2023 06:18	WG2097280

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Calcium, Total Recoverable	32.1		0.200	1	07/19/2023 12:23	WG2092917
Potassium, Total Recoverable	437		3.00	5	07/21/2023 02:30	WG2092917
Magnesium, Total Recoverable	36.0		0.200	1	07/19/2023 12:23	WG2092917
Sodium,Total Recoverable	1510		5.00	5	07/21/2023 02:30	WG2092917

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

Analyte	Result	Units
pH (On Site)	8.49	su
Specific Conductance (on site)	14490	umhos/cm
Temperature (on-site)	31.1	Deg. C
Turbidity (on-site)	37.47	NTU
Dissolved Oxygen (on-site)	1.36	mg/l
eH/ORP (On Site)	141.8	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity	5450		10.0	1	07/17/2023 11:34	WG2095980
Alkalinity,Bicarbonate	5450		10.0	1	07/17/2023 11:34	WG2095980
Alkalinity,Carbonate	ND		10.0	1	07/17/2023 11:34	WG2095980

Sample Narrative:

L1633891-28 WG2095980: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	644		3.17	100	07/14/2023 23:26	WG2094637

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.197	10	07/11/2023 21:38	WG2092818

Sample Narrative:

L1633891-28 WG2092818: Diluted to leachate matrix.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	1270		5.19	100	07/19/2023 12:07	WG2097563
Sulfate	69.6	J	7.74	100	07/19/2023 12:07	WG2097563

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Calcium, Total Recoverable	70.0		0.200	1	07/19/2023 10:44	WG2092917
Potassium, Total Recoverable	219		3.00	5	07/21/2023 02:16	WG2092917
Magnesium, Total Recoverable	183		0.200	1	07/19/2023 10:44	WG2092917
Sodium,Total Recoverable	1860		5.00	5	07/21/2023 02:16	WG2092917

Method Blank (MB)

(MB) R3948623-1 07/12/23 14:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	ND		2.82	10.0

1 Cp

2 Tc

3 Ss

L1633385-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1633385-04 07/12/23 14:00 • (DUP) R3948623-3 07/12/23 14:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	1200	1190	1	1.51		5

4 Cn

5 Sr

6 Qc

L1633529-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633529-01 07/12/23 14:00 • (DUP) R3948623-4 07/12/23 14:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	302	325	1	7.34	J3	5

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3948623-2 07/12/23 14:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8540	97.0	77.3-123	

Method Blank (MB)

(MB) R3948766-1 07/13/23 10:05

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	ND		2.82	10.0

¹Cp

²Tc

³Ss

L1633581-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633581-01 07/13/23 10:05 • (DUP) R3948766-3 07/13/23 10:05

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	369	377	1	2.14		5

⁴Cn

⁵Sr

L1633864-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1633864-07 07/13/23 10:05 • (DUP) R3948766-4 07/13/23 10:05

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	393	398	1	1.26		5

⁶Qc

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3948766-2 07/13/23 10:05

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8480	96.4	77.3-123	

⁹Sc

Method Blank (MB)

(MB) R3949298-2 07/17/23 10:06

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Alkalinity	ND		2.71	20.0
Alkalinity,Bicarbonate	ND		2.71	20.0
Alkalinity,Carbonate	ND		2.71	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1633770-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633770-01 07/17/23 10:43 • (DUP) R3949298-3 07/17/23 10:47

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	164	164	1	0.316		20
Alkalinity,Bicarbonate	164	164	1	0.316		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1634156-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1634156-01 07/17/23 12:36 • (DUP) R3949298-4 07/17/23 12:42

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	894	905	1	1.28		20
Alkalinity,Bicarbonate	707	716	1	1.23		20
Alkalinity,Carbonate	186	189	1	1.45		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5



Laboratory Control Sample (LCS)

(LCS) R3949298-1 07/17/23 10:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Alkalinity	100	98.3	98.3	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3949303-2 07/17/23 10:02

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Alkalinity	ND		2.71	20.0
Alkalinity,Bicarbonate	ND		2.71	20.0
Alkalinity,Carbonate	ND		2.71	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1633891-26 Original Sample (OS) • Duplicate (DUP)

(OS) L1633891-26 07/17/23 11:00 • (DUP) R3949303-3 07/17/23 11:05

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	1390	1420	1	2.70		20
Alkalinity,Bicarbonate	1390	1420	1	2.70		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

L1634106-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1634106-01 07/17/23 12:13 • (DUP) R3949303-4 07/17/23 12:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	271	269	1	0.755		20
Alkalinity,Bicarbonate	271	269	1	0.755		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5



Laboratory Control Sample (LCS)

(LCS) R3949303-1 07/17/23 09:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Alkalinity	100	107	107	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3947829-1 07/12/23 12:51

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ammonia Nitrogen	ND		0.0317	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1633864-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1633864-13 07/12/23 13:30 • (DUP) R3947829-7 07/12/23 13:31

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	0.161	0.102	1	200	P1	10

L1633864-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1633864-03 07/12/23 13:03 • (DUP) R3947829-5 07/12/23 13:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	ND	ND	1	0.000		10

Laboratory Control Sample (LCS)

(LCS) R3947829-2 07/12/23 12:52

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	7.50	7.71	103	90.0-110	

L1633864-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633864-02 07/12/23 12:58 • (MS) R3947829-3 07/12/23 13:00 • (MSD) R3947829-4 07/12/23 13:01

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	ND	5.07	5.25	101	105	1	90.0-110			3.49	10

L1633864-12 Original Sample (OS) • Matrix Spike (MS)

(OS) L1633864-12 07/12/23 13:22 • (MS) R3947829-6 07/12/23 13:24

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Ammonia Nitrogen	5.00	ND	5.12	102	1	90.0-110	

Method Blank (MB)

(MB) R3947834-1 07/12/23 14:03

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ammonia Nitrogen	ND		0.0317	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1633891-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1633891-13 07/12/23 14:24 • (DUP) R3947834-4 07/12/23 14:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	825	820	100	0.533		10

L1633891-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1633891-20 07/12/23 15:06 • (DUP) R3947834-11 07/12/23 15:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	195	195	100	0.0374		10

Laboratory Control Sample (LCS)

(LCS) R3947834-2 07/12/23 14:04

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	7.50	7.65	102	90.0-110	

L1633891-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1633891-05 07/12/23 14:06 • (MS) R3947834-3 07/12/23 14:07

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Ammonia Nitrogen	5.00	ND	5.16	103	1	90.0-110	

L1633891-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633891-19 07/12/23 14:34 • (MS) R3947834-8 07/12/23 14:36 • (MSD) R3947834-9 07/12/23 14:42

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	6.22	11.0	11.2	96.4	101	1	90.0-110	E	E	1.88	10

Method Blank (MB)

(MB) R3948477-1 07/13/23 22:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ammonia Nitrogen	ND		0.0317	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1632866-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1632866-01 07/13/23 23:03 • (DUP) R3948477-3 07/13/23 23:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	ND	ND	1	0.000		10

L1634841-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1634841-01 07/13/23 23:39 • (DUP) R3948477-6 07/13/23 23:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	ND	ND	1	0.000		10

Laboratory Control Sample (LCS)

(LCS) R3948477-2 07/13/23 23:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	7.50	7.70	103	90.0-110	

L1632866-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1632866-01 07/13/23 23:03 • (MS) R3948477-4 07/13/23 23:06 • (MSD) R3948477-5 07/13/23 23:07

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	ND	4.96	5.03	99.1	101	1	90.0-110			1.52	10

L1634841-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1634841-01 07/13/23 23:39 • (MS) R3948477-7 07/13/23 23:42

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Ammonia Nitrogen	5.00	ND	4.93	98.5	1	90.0-110	

Method Blank (MB)

(MB) R3948873-1 07/14/23 22:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ammonia Nitrogen	ND		0.0317	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1633913-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633913-01 07/14/23 23:27 • (DUP) R3948873-3 07/14/23 22:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	0.103	ND	1	10.2		10

L1634249-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1634249-01 07/14/23 23:18 • (DUP) R3948873-5 07/14/23 23:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	3.77	3.73	1	1.04		10

Laboratory Control Sample (LCS)

(LCS) R3948873-2 07/14/23 22:38

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	7.50	7.77	104	90.0-110	

L1633913-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1633913-01 07/14/23 23:27 • (MS) R3948873-4 07/14/23 22:47

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Ammonia Nitrogen	5.00	0.103	5.13	101	1	90.0-110	

L1634249-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1634249-01 07/14/23 23:18 • (MS) R3948873-6 07/14/23 23:21 • (MSD) R3948873-7 07/14/23 23:23

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	3.77	8.58	8.72	96.2	99.0	1	90.0-110			1.64	10

Method Blank (MB)

(MB) R3949015-1 07/16/23 00:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ammonia Nitrogen	ND		0.0317	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1634548-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1634548-02 07/16/23 00:19 • (DUP) R3949015-3 07/16/23 00:21

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	ND	ND	1	0.000		10

L1634851-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1634851-02 07/16/23 00:46 • (DUP) R3949015-6 07/16/23 00:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	0.383	0.389	1	1.55		10

Laboratory Control Sample (LCS)

(LCS) R3949015-2 07/16/23 00:15

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	7.50	7.19	95.8	90.0-110	

L1634548-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1634548-02 07/16/23 00:19 • (MS) R3949015-4 07/16/23 00:22 • (MSD) R3949015-5 07/16/23 00:24

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	ND	4.93	4.83	98.6	96.6	1	90.0-110			2.03	10

L1634851-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1634851-02 07/16/23 00:46 • (MS) R3949015-7 07/16/23 00:54

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Ammonia Nitrogen	5.00	0.383	4.95	91.4	1	90.0-110	

Method Blank (MB)

(MB) R3947358-1 07/11/23 20:57

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Nitrate-Nitrite	ND		0.0197	0.100

L1633891-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1633891-01 07/11/23 21:05 • (DUP) R3947358-3 07/11/23 21:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	0.803	0.810	1	0.868		20

L1633891-26 Original Sample (OS) • Duplicate (DUP)

(OS) L1633891-26 07/11/23 21:33 • (DUP) R3947358-6 07/11/23 21:34

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3947358-2 07/11/23 20:58

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Nitrate-Nitrite	2.50	2.46	98.4	90.0-110	

L1633891-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633891-01 07/11/23 21:05 • (MS) R3947358-4 07/11/23 21:07 • (MSD) R3947358-5 07/11/23 21:12

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	2.50	0.803	3.46	3.44	106	105	1	90.0-110			0.580	20

L1633891-26 Original Sample (OS) • Matrix Spike (MS)

(OS) L1633891-26 07/11/23 21:33 • (MS) R3947358-7 07/11/23 21:35

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Nitrate-Nitrite	2.50	ND	2.67	107	1	90.0-110	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3950404-1 07/18/23 09:36

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1633864-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1633864-12 07/18/23 12:20 • (DUP) R3950404-5 07/18/23 13:11

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	mg/l	mg/l	%	%		%
Chloride	21.5	21.4	1	0.174		15
Sulfate	ND	ND	1	0.000		15

L1635301-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1635301-02 07/18/23 19:06 • (DUP) R3950404-6 07/18/23 19:23

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	mg/l	mg/l	%	%		%
Chloride	4.37	4.38	1	0.288		15
Sulfate	30.1	28.5	1	5.33		15

Laboratory Control Sample (LCS)

(LCS) R3950404-2 07/18/23 09:53

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	mg/l	mg/l	%	%	
Chloride	40.0	40.1	100	80.0-120	
Sulfate	40.0	39.5	98.9	80.0-120	

L1633864-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633864-12 07/18/23 12:20 • (MS) R3950404-3 07/18/23 12:37 • (MSD) R3950404-4 07/18/23 12:54

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	21.5	70.4	70.4	97.9	98.0	1	80.0-120			0.0987	15
Sulfate	50.0	ND	48.8	49.2	97.7	98.3	1	80.0-120			0.658	15

L1635301-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1635301-02 07/18/23 19:06 • (MS) R3950404-7 07/18/23 19:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50.0	4.37	53.5	98.2	1	80.0-120	
Sulfate	50.0	30.1	78.4	96.6	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3950233-1 07/18/23 22:07

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

L1632774-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1632774-01 07/19/23 00:16 • (DUP) R3950233-3 07/19/23 00:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	mg/l	mg/l		%		%
Chloride	52.8	53.2	100	0.661	U	15
Sulfate	907	902	100	0.522		15

L1634084-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1634084-02 07/19/23 06:51 • (DUP) R3950233-5 07/19/23 07:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	mg/l	mg/l		%		%
Chloride	46.2	46.2	1	0.0539		15
Sulfate	19.3	19.3	1	0.0788		15

Laboratory Control Sample (LCS)

(LCS) R3950233-2 07/18/23 22:23

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	mg/l	mg/l	%	%	
Chloride	40.0	39.9	99.7	80.0-120	
Sulfate	40.0	39.5	98.8	80.0-120	

L1633891-18 Original Sample (OS) • Matrix Spike (MS)

(OS) L1633891-18 07/19/23 02:29 • (MS) R3950233-4 07/19/23 02:45

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Chloride	mg/l	mg/l	mg/l	%		%	
Chloride	50.0	351	381	61.9	1	80.0-120	EV
Sulfate	50.0	ND	47.8	95.6	1	80.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1634084-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1634084-02 07/19/23 06:51 • (MS) R3950233-6 07/19/23 07:24 • (MSD) R3950233-7 07/19/23 07:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	50.0	46.2	90.9	91.0	89.2	89.5	1	80.0-120			0.127	15
Sulfate	50.0	19.3	63.9	65.8	89.2	93.0	1	80.0-120			2.92	15

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

Method Blank (MB)

(MB) R3950797-1 07/19/23 10:52

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

L1634137-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1634137-01 07/19/23 12:23 • (DUP) R3950797-5 07/19/23 13:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	mg/l	mg/l	%	%		%
Chloride	89.6	89.6	1	0.0175		15
Sulfate	1840	1840	1	0.00692	E	15

L1634640-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1634640-07 07/19/23 19:09 • (DUP) R3950797-6 07/19/23 19:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	mg/l	mg/l	%	%		%
Chloride	ND	ND	1	9.01		15
Sulfate	ND	ND	1	1.13		15

Laboratory Control Sample (LCS)

(LCS) R3950797-2 07/19/23 11:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	mg/l	mg/l	%	%	
Chloride	40.0	39.5	98.8	80.0-120	
Sulfate	40.0	39.2	98.0	80.0-120	

L1634137-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1634137-01 07/19/23 12:23 • (MS) R3950797-3 07/19/23 12:40 • (MSD) R3950797-4 07/19/23 12:57

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	89.6	135	135	91.3	91.7	1	80.0-120			0.141	15
Sulfate	50.0	1840	1830	1820	0.000	0.000	1	80.0-120	E V	E V	0.525	15

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1634640-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1634640-07 07/19/23 19:09 • (MS) R3950797-7 07/19/23 19:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50.0	ND	49.2	96.8	1	80.0-120	
Sulfate	50.0	ND	49.2	96.3	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3951638-2 07/21/23 17:08

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC	0.334	↓	0.102	1.00

1 Cp

2 Tc

3 Ss

L1633864-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1633864-07 07/21/23 19:41 • (DUP) R3951638-5 07/21/23 19:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	1.49	1.35	1	9.78		20

4 Cn

5 Sr

L1633891-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1633891-02 07/21/23 23:12 • (DUP) R3951638-6 07/21/23 23:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	1.06	ND	1	16.1		20

6 Qc

7 Gl

8 Al

Laboratory Control Sample (LCS)

(LCS) R3951638-1 07/21/23 16:57

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

9 Sc

L1633864-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633864-06 07/21/23 18:46 • (MS) R3951638-3 07/21/23 19:07 • (MSD) R3951638-4 07/21/23 19:28

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	ND	24.6	24.6	96.2	96.4	1	80.0-120			0.244	20

L1633891-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633891-01 07/22/23 19:28 • (MS) R3951638-9 07/22/23 19:50 • (MSD) R3951638-10 07/22/23 20:11

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	ND	25.7	25.3	100	98.7	1	80.0-120			1.41	20

Method Blank (MB)

(MB) R3950358-1 07/19/23 11:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver, Total Recoverable	ND		0.00280	0.00500
Barium, Total Recoverable	ND		0.00170	0.00500
Calcium, Total Recoverable	ND		0.0463	1.00
Iron, Total Recoverable	0.0203	U	0.0141	0.100
Potassium, Total Recoverable	0.300	U	0.102	1.00
Magnesium, Total Recoverable	ND		0.0111	1.00
Manganese, Total Recoverable	ND		0.00120	0.0100
Sodium, Total Recoverable	0.0399		0.0111	1.00
Lead, Total Recoverable	ND		0.00190	0.00500
Selenium, Total Recoverable	ND		0.00740	0.0100

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3950358-2 07/19/23 11:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver, Total Recoverable	0.200	0.196	98.1	80.0-120	
Barium, Total Recoverable	1.00	1.04	104	80.0-120	
Calcium, Total Recoverable	10.0	9.83	98.3	80.0-120	
Iron, Total Recoverable	10.0	9.88	98.8	80.0-120	
Potassium, Total Recoverable	10.0	9.99	99.9	80.0-120	
Magnesium, Total Recoverable	10.0	9.62	96.2	80.0-120	
Manganese, Total Recoverable	1.00	0.994	99.4	80.0-120	
Sodium, Total Recoverable	10.0	9.99	99.9	80.0-120	
Lead, Total Recoverable	1.00	0.978	97.8	80.0-120	
Selenium, Total Recoverable	1.00	0.985	98.5	80.0-120	

L1633891-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633891-02 07/19/23 11:31 • (MS) R3950358-4 07/19/23 11:36 • (MSD) R3950358-5 07/19/23 11:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver, Total Recoverable	0.200	ND	0.194	0.194	96.8	97.1	1	75.0-125			0.281	20
Barium, Total Recoverable	1.00	0.0338	1.05	1.05	101	101	1	75.0-125			0.00563	20
Calcium, Total Recoverable	10.0	36.1	45.1	45.0	89.8	88.5	1	75.0-125			0.287	20
Iron, Total Recoverable	10.0	ND	9.67	9.73	96.3	96.9	1	75.0-125			0.547	20
Potassium, Total Recoverable	10.0	ND	11.7	12.0	94.2	97.7	1	75.0-125			2.92	20
Magnesium, Total Recoverable	10.0	2.64	12.2	12.0	95.2	94.1	1	75.0-125			0.967	20
Manganese, Total Recoverable	1.00	0.0108	0.977	0.979	96.6	96.8	1	75.0-125			0.211	20

L1633891-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633891-02 07/19/23 11:31 • (MS) R3950358-4 07/19/23 11:36 • (MSD) R3950358-5 07/19/23 11:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sodium, Total Recoverable	10.0	10.8	19.7	19.7	88.2	88.9	1	75.0-125			0.367	20
Lead, Total Recoverable	1.00	ND	0.959	0.966	95.9	96.6	1	75.0-125			0.725	20
Selenium, Total Recoverable	1.00	0.0112	0.996	0.985	98.5	97.4	1	75.0-125			1.08	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3947739-1 07/12/23 14:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
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	ND		0.000520	0.00500
Nickel, Total Recoverable	ND		0.000350	0.00200
Antimony, Total Recoverable	ND		0.000754	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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3947739-2 07/12/23 14:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Total Recoverable	0.0500	0.0506	101	80.0-120	
Beryllium, Total Recoverable	0.0500	0.0483	96.6	80.0-120	
Cadmium, Total Recoverable	0.0500	0.0513	103	80.0-120	
Cobalt, Total Recoverable	0.0500	0.0507	101	80.0-120	
Chromium, Total Recoverable	0.0500	0.0509	102	80.0-120	
Copper, Total Recoverable	0.0500	0.0482	96.5	80.0-120	
Nickel, Total Recoverable	0.0500	0.0508	102	80.0-120	
Antimony, Total Recoverable	0.0500	0.0457	91.4	80.0-120	
Thallium, Total Recoverable	0.0500	0.0493	98.5	80.0-120	
Vanadium, Total Recoverable	0.0500	0.0505	101	80.0-120	
Zinc, Total Recoverable	0.0500	0.0482	96.3	80.0-120	

L1633891-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633891-01 07/12/23 14:11 • (MS) R3947739-4 07/12/23 14:18 • (MSD) R3947739-5 07/12/23 14:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic, Total Recoverable	0.0500	ND	0.0499	0.0493	99.8	98.7	1	75.0-125			1.09	20
Beryllium, Total Recoverable	0.0500	ND	0.0491	0.0465	98.3	93.1	1	75.0-125			5.46	20
Cadmium, Total Recoverable	0.0500	ND	0.0517	0.0507	103	101	1	75.0-125			2.04	20
Cobalt, Total Recoverable	0.0500	ND	0.0502	0.0499	100	99.9	1	75.0-125			0.502	20
Chromium, Total Recoverable	0.0500	ND	0.0507	0.0507	101	101	1	75.0-125			0.0118	20

L1633891-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1633891-01 07/12/23 14:11 • (MS) R3947739-4 07/12/23 14:18 • (MSD) R3947739-5 07/12/23 14:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Copper, Total Recoverable	0.0500	ND	0.0473	0.0462	94.5	92.5	1	75.0-125			2.18	20
Nickel, Total Recoverable	0.0500	ND	0.0506	0.0496	99.2	97.2	1	75.0-125			1.94	20
Antimony, Total Recoverable	0.0500	ND	0.0447	0.0442	89.3	88.4	1	75.0-125			1.03	20
Thallium, Total Recoverable	0.0500	ND	0.0479	0.0492	95.9	98.3	1	75.0-125			2.55	20
Vanadium, Total Recoverable	0.0500	ND	0.0517	0.0500	102	99.0	1	75.0-125			3.23	20
Zinc, Total Recoverable	0.0500	0.00548	0.0519	0.0518	104	104	1	75.0-125			0.0376	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3948671-2 07/12/23 09:42

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3948671-2 07/12/23 09:42

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	93.6			70.0-130
(S) 4-Bromofluorobenzene	90.3			77.0-126
(S) Toluene-d8	98.6			80.0-120

Laboratory Control Sample (LCS)

(LCS) R3948671-1 07/12/23 08:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,1,2-Tetrachloroethane	5.00	5.18	104	75.0-125	
1,1,1-Trichloroethane	5.00	5.14	103	73.0-124	
1,1,2,2-Tetrachloroethane	5.00	5.34	107	65.0-130	
1,1,2-Trichloroethane	5.00	5.04	101	80.0-120	
1,1-Dichloroethane	5.00	5.37	107	70.0-126	
1,1-Dichloroethene	5.00	5.07	101	71.0-124	
1,2,3-Trichloropropane	5.00	5.50	110	73.0-130	
1,2-Dibromo-3-Chloropropane	5.00	4.39	87.8	58.0-134	
1,2-Dibromoethane	5.00	5.06	101	80.0-122	
1,2-Dichlorobenzene	5.00	5.03	101	79.0-121	
1,2-Dichloroethane	5.00	5.15	103	70.0-128	
1,2-Dichloropropane	5.00	5.39	108	77.0-125	
1,4-Dichlorobenzene	5.00	5.40	108	79.0-120	
2-Butanone (MEK)	25.0	31.5	126	44.0-160	
2-Hexanone	25.0	28.3	113	67.0-149	
4-Methyl-2-pentanone (MIBK)	25.0	28.0	112	68.0-142	
Acetone	25.0	27.8	111	19.0-160	
Acrylonitrile	25.0	35.7	143	55.0-149	
Benzene	5.00	4.83	96.6	70.0-123	
Bromochloromethane	5.00	5.46	109	76.0-122	
Bromodichloromethane	5.00	5.14	103	75.0-120	
Bromoform	5.00	4.76	95.2	68.0-132	
Bromomethane	5.00	1.77	35.4	10.0-160	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3948671-1 07/12/23 08:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Carbon disulfide	5.00	4.25	85.0	61.0-128	
Carbon tetrachloride	5.00	5.53	111	68.0-126	
Chlorobenzene	5.00	4.84	96.8	80.0-121	
Chloroethane	5.00	6.27	125	47.0-150	
Chloroform	5.00	5.19	104	73.0-120	
Chloromethane	5.00	3.38	67.6	41.0-142	
Dibromochloromethane	5.00	5.38	108	77.0-125	
Dibromomethane	5.00	5.96	119	80.0-120	
Ethylbenzene	5.00	5.31	106	79.0-123	
Iodomethane	25.0	14.2	56.8	33.0-147	
Methylene Chloride	5.00	5.50	110	67.0-120	
Styrene	5.00	4.34	86.8	73.0-130	
Tetrachloroethene	5.00	5.08	102	72.0-132	
Toluene	5.00	4.84	96.8	79.0-120	
Trichloroethene	5.00	4.70	94.0	78.0-124	
Trichlorofluoromethane	5.00	4.90	98.0	59.0-147	
Vinyl acetate	25.0	51.0	204	11.0-160	J4
Vinyl chloride	5.00	5.19	104	67.0-131	
Xylenes, Total	15.0	15.3	102	79.0-123	
cis-1,2-Dichloroethene	5.00	5.45	109	73.0-120	
cis-1,3-Dichloropropene	5.00	4.89	97.8	80.0-123	
trans-1,2-Dichloroethene	5.00	5.11	102	73.0-120	
trans-1,3-Dichloropropene	5.00	4.56	91.2	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	3.95	79.0	33.0-144	
(S) 1,2-Dichloroethane-d4			102	70.0-130	
(S) 4-Bromofluorobenzene			98.3	77.0-126	
(S) Toluene-d8			96.9	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

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

Report to:
Jodi Reynolds

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

Project Description:
Eco-Vista - GW-July

City/State
Collected:

Please Circle:
PT MT CT ET

Phone: 501-993-8966

Client Project #
200

Lab Project #
WMECOVISAR-00019

Collected by (print):
Chris Fincher

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

Same Day Five Day
Next Day 5 Day (Rad Only)
Two Day 10 Day (Rad Only)
Three Day

Date Results Needed

No. of
Cnts

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cnts
-----------	-----------	----------	-------	------	------	-------------

LGW-8R NE-10D	Grab	GW	101.45	7.8.23	1400	8
LGW-9 MW-17	↓	GW	60.35	↓	1515	8
LGW-10 MW-2N	↓	GW	70.95	↓	1635	8
LGW-14R MW-1N	↓	GW	81.70	↓	1735	8
LEACHATE-COMPOSITE MW-11N	↓	GW	63.55	↓	1835	8
DUP		GW				8
DUP2		GW				8
LCS-1	Grab	GW	N/A	7.9.23	0800	2
LCS-2	↓	GW	↓	↓	0830	2
LCS-3	↓	GW	↓	↓	0900	2

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

Remarks:

Samples returned via:

UPS FedEx Courier

Tracking #

Relinquished by: (Signature)

Date:

7.10.23

Time:

1800

Received by: (Signature)

Trip Blank Received: Yes/No

2 BCL/MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

97 If preservation required by Lab: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: Time:

7.11.23 9:00

Hold:

Condition:
NCF/OK

Analysis / Container / Preservative

Chain of Custody Page 1 of 3

Pres
Chk



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/hubs/pas-standard-
terms.pdf

SDG #

U103889

Table #

B219

Acctnum

COVISAR

Template: T211193

Prelogin: P1006574

PM: 616 - Stacy Kennedy

PB:

Shipped Via: FedEX Ground

Remarks

Sample # (lab only)

Sample Receipt Checklist

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

PH-10BD-4321 TRC-231-3312
CR6-2022/V

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



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/hubs/pas-standard-terms.pdf>

Report to:
Jodi Reynolds

Email To:
ciara.childrens.beavers@jettenviro.com; jeffholm

Project Description:
Eco-Vista - GW-July

City/State
Collected:

Please Circle:
PT MT CT ET

Phone: 501-993-8966

Client Project #
200

Lab Project #
WMECOVISAR-00019

Collected by (print):
Chris Fincher

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

Immediately
Packed on Ice N Y X

Same Day Five Day
Next Day 5 Day (Rad Only)
Two Day 10 Day (Rad Only)
Three Day

Date Results Needed

No.
of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK, CHLORIDE, SULFA 250mHDPE-NoPres	CHLORIDE 125mHDPE-NoPres	Metals 250mHDPE-HNO3	NH3 250mHDPE-H2SO4	NH3, NO2NO3 250mHDPE-H2SO4	TDS 1L-HDPE NoPres	TOC 250mHDPE-HCl	V8260LL 40mIAmb-HCl	V8260LL TB 40mIAmb-HCl-Bik
LCS-4	Grab	GW	N/A	7.9.23	0930	2		X		X					
LCS-5		GW			1000	2		X		X					
LCS-6		GW			1030	2		X		X					
LCS-7		GW			1100	2		X		X					
LCS-8		GW			1130	2		X		X					
LCS-9		GW			1300	2		X		X					
LCS-10		GW			1330	2		X		X					
LCS-11		GW			1400	2		X		X					
LCS-12		GW			1430	2		X		X					
LDS-1		GW			0815	3	X		X		X				

SDG # U63891

Table #

Acctnum: WMECOVISAR

Template: T211193

Prelogin: P1006574

PM: 616 - Stacy Kennedy

PB:

Shipped Via: FedEX Ground

Remarks | Sample # (lab only)

-09
-10
-11
-12
-13
-14
-15
-16
-17
-18

* 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 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

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 7.11.23 Time: 9:00

Hold:

Condition:
NCF / OK

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

88 Joyce Lane
Russellville, AR 72801

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

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 3 of 3

Report to:
Jodi Reynolds

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

Project Description:
Eco-Vista - GW-July

City/State
Collected:

Please Circle:
PT MT CT ET

Phone: **501-993-8966**

Client Project #
200

Lab Project #
WMECOVISAR-00019

Collected by (print):
Chotis Fincher

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Date Results Needed

No.
of
Cnts

Packed on Ice N Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
LDS-2	Grab	GW	N/A	7.9.23	0845	3
LDS-3		GW			0915	3
LDS-4		GW			0945	3
LDS-5		GW			1015	3
LDS-6		GW			1045	3
LDS-7		GW			1115	3
LDS-8		GW			1145	3
LDS-9		GW			1315	3
LDS-10		GW			1345	3
LDS-11		GW			1445	3
LDS-12		GW				

ALK, CHLORIDE, SULFA 250mlHDPE-NoPres

CHLORIDE 125mlHDPE-NoPres

Metals 250mlHDPE-HNO3

NH3 250mlHDPE-H2SO4

NH3,NO2NO3 250mlHDPE-H2SO4

TDS 1L-HDPE NoPres

TOC 250mlHDPE-HCl

V8260LL 40mlAmb-HCl

V8260LL TB 40mlAmb-HCl-BIK

Remarks | Sample # (lab only)

-19
-20
-21
-22
-23
-24
-25
-26
-27
-28



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/hubs/pas-standard-terms.pdf>

SDG # **41033891**

Table #

Acctnum: **WMECOVISAR**

Template: **T211193**

Prelogin: **P1006574**

PM: **616 - Stacy Kennedy**

PB:

Shipped Via: **FedEx Ground**

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

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

Samples returned via:
 UPS FedEx Courier

Tracking #

Relinquished by: (Signature) <i>[Signature]</i>	Date: 7.10.23	Time: 1800	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) 9 10	Date: 7.11.23 Time: 7:00 Hold: Condition: NCF / OK

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: NE 100
Sample ID

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:
L1633891

PURGE INFO
 PURGE DATE: 070823 (MM DD YY)
 PURGE TIME: 13:30 (2400 Hr Clock)
 ELAPSED HRS: (hrs:min)
 WATER VOL IN CASING: (Gallons)
 ACTUAL VOL PURGED: (Gallons)
 WELL VOL PURGED:

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or X
 Purging Device: A A-Submersible Pump D-Bailer
 Sampling Device: A B-Peristaltic Pump E-Piston Pump
 C-QED Bladder Pump F-Dipper/Bottle
 X-Other:
 Filter Device: Y or X 0.45 μ or μ (circle or fill in)
 Filter Type:
 Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 10128 (ft)
 Groundwater Elevation (site datum, from TOC): (ft/msl)
 Total Well Depth (from TOC): (ft) Stick Up (from ground elevation): (ft)
 Casing ID: 2 (in) Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
13:35	300 1 st	9.55	240	17.6	718	7.9	146.6	10145
13:40	300 2 nd	6.23	241	17.8	470	8.0	151.0	10145
13:45	300 3 rd	5.93	241	17.9	328	8.1	155.1	10145
13:50	300 4 th	5.81	239	17.6	189	8.1	159.6	10145
13:55	300	5.80	239	18.1	142	8.1	160.6	10145
14:00	300	5.78	238	17.9	91	8.1	161.5	10145

Suggested range for 3 consec. readings or note Permit/State requirements:

+/- 0.2

+/- 3%

+/- 10%

+/- 25 mV

Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 070823 pH (std): 5.78
 CONDUCTANCE (umhos/cm @ 25°C): 238 TEMP. (°C): 17.9
 TURBIDITY (ntu): 91 DO (mg/L-ppm): 8.1
 eH/ORP (mV): 161.5 Other:
 Units:

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: Clear Odor: None Color: Clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N
 Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7.8.23 C. Funder [Signature] Promus
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: MW-17
 Sample ID

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:
LU633891

PURGE INFO
 PURGE DATE: 070823 PURGE TIME: 1430 ELAPSED HRS:
 WATER VOL IN CASING: ACTUAL VOL PURGED: WELL VOL PURGED:
(MM DD YY) (2400 Hr Clock) (hrs:min) (Gallons) (Gallons)
 Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or N
 Purging Device: A A-Submersible Pump D-Bailer Filter Device: Y or N 0.45 μ or μ (circle or fill in)
 Sampling Device: A B-Peristaltic Pump E-Piston Pump Filter Type: A-In-line Disposable C-Vacuum
 X-Other: C-QED Bladder Pump F-Dipper/Bottle B-Pressure X-Other:
 Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 60.30 (ft) Groundwater Elevation (site datum, from TOC): (ft/msl)
 Total Well Depth (from TOC): (ft) Stick Up (from ground elevation): (ft) Casing ID: 2 (in) Casing Material: PVC
 Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
14:35	200 1 st	6.77	473	19.6	3446	3.9	173.2	60.35
14:40	200 2 nd	6.52	461	19.6	3022	4.1	168.3	60.35
14:45	200 3 rd	6.26	438	19.7	2586	4.6	164.9	60.35
14:50	200 4 th	6.06	370	19.5	1901	5.9	166.8	60.35
14:55	200	5.86	328	19.7	1608	6.7	172.2	60.35
15:00	200	5.80	305	19.3	1100.1	7.0	175.5	60.35
15:05	200	5.73	297	19.3	602	7.2	177.6	60.35
15:10	200	5.69	286	19.4	309	7.4	179.9	60.35
15:15	200	5.63	282	19.6	116	7.4	181.0	60.35

Suggested range for 3 consec. readings or note Permit/State requirements: pH +/- 0.2, Conductance +/- 3%, D.O. +/- 10%, eH/ORP +/- 25 mV, DTW Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 070823 pH (std): 5.63 CONDUCTANCE (umhos/cm @ 25°C): 282 TEMP. (°C): 19.6 TURBIDITY (ntu): 116 DO (mg/L-ppm): 7.4 eH/ORP (mV): 181.0 Other:
 Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: None Color: clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N
 Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7, 8, 23 C. Fincher [Signature] Promus
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: MW-2N
 Sample ID:

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/ Lab ID:
L1633591

PURGE INFO: 070823 16:00
 PURGE DATE (MM DD YY) PURGE TIME (2400 Hr Clock) ELAPSED HRS (hrs:min) WATER VOL IN CASING (Gallons) ACTUAL VOL PURGED (Gallons) WELL VOLS PURGED
Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGING AND SAMPLING EQUIPMENT: Purging and Sampling Equipment ... Dedicated: or N
 Purging Device: C A- Submersible Pump D-Bailer
 Sampling Device: C B-Peristaltic Pump E-Piston Pump
 X-Other: C-QED Bladder Pump F-Dipper/Bottle
 Filter Device: Y or X 0.45 μ or μ (circle or fill in)
 Filter Type: A-In-line Disposable C-Vacuum
 B-Pressure X-Other
 Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA: Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 69.95 (ft) Groundwater Elevation (site datum, from TOC) (ft/msl)
 Total Well Depth (from TOC) (ft) Stick Up (from ground elevation) (ft) Casing ID 2 (in) Material PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
16:05	250 1 st	8.44 1 st	469	27.5	2.44	5.9	175.2	69.75
16:10	250 2 nd	7.94 2 nd	528	23.4	8.3	4.4	170.4	70.45
16:15	250 3 rd	7.20 3 rd	530	22.2	7.9	4.2	172.1	70.55
16:20	250 4 th	6.50 4 th	530	22.2	6.6	3.4	174.1	70.75
16:25	250	6.38	531	22.2	5.1	3.0	174.4	70.85
16:30	250	6.33	531	21.8	5.4	2.8	174.8	70.95
16:35	250	6.29	530	21.1	5.3	2.9	175.4	70.95

Suggested range for 3 consec. readings or note Permit/State requirements: pH +/- 0.2, Conductance +/- 3%, D.O. +/- 10%, eH/ORP +/- 25 mV, DTW Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA: SAMPLE DATE (MM DD YY) 070823 pH (std) 6.29 CONDUCTANCE (umhos/cm @ 25°C) 530 TEMP. (°C) 21.1 TURBIDITY (ntu) 5.3 DO (mg/L-ppm) 2.9 eH/ORP (mV) 175.4 Other:
 Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: Clear Odor: None Color: Clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N
 Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS:

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7/8/23 C. FINDER [Signature] Proimus
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: NW-1N
 Sample ID:

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:
4633891

PURGE INFO
 PURGE DATE (MM DD YY): 070823
 PURGE TIME (2400 Hr Clock): 17:05
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOL PURGED:

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: or N
 Purging Device: C A-Submersible Pump D-Bailer
 B-Peristaltic Pump E-Piston Pump
 Sampling Device: C C-QED Bladder Pump F-Dipper/Bottle
 X-Other:
 Filter Device: Y or X 0.45 μ or μ (circle or fill in)
 Filter Type:
 A-In-line Disposable C-Vacuum
 B-Pressure X-Other:
 Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 80.33 (ft) Groundwater Elevation (site datum, from TOC) (ft/msl)
 Total Well Depth (from TOC) (ft) Stick Up (from ground elevation) (ft) Casing ID 2 (in) Casing Material PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		17:10	200 1 st	7.24 1 st	419	23.0	21.2	8.2	166.1
	17:15	200 2 nd	7.28 2 nd	415	21.9	9.3	5.9	162.7	81.70
	17:20	200 3 rd	6.85 3 rd	416	21.5	8.3	3.0	165.1	81.7
	17:25	200 4 th	6.49 4 th	412	21.1	5.8	2.2	167.7	81.75
	17:30	200	6.43	410	20.8	5.3	2.0	168.5	81.75
	17:35	200	6.40	409	20.7	5.0	1.9	168.9	81.7
	:								
	:								
	:								
	:								
	:								
	:								

Suggested range for 3 consec. readings or note Permit/State requirements:
 pH: +/- 0.2 Conductance: +/- 3% Temp: -- Turbidity: -- D.O.: +/- 10% eH/ORP: +/- 25 mV DTW: Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 070823
 pH (std): 6.40
 CONDUCTANCE (umhos/cm @ 25 °C): 409
 TEMP. (°C): 20.7
 TURBIDITY (ntu): 5.0
 DO (mg/L-ppm): 1.9
 eH/ORP (mV): 168.9
 Other:

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: Clear Odor: none Color: clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N
 Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7, 8, 23 C. Funder
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: MW-11M
 Sample ID:

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:
L1633891

PURGE INFO
 PURGE DATE: 070823 PURGE TIME: 18:00 ELAPSED HRS:
 WATER VOL IN CASING: ACTUAL VOL PURGED: WELL VOLS PURGED:
(MM DD YY) (2400 Hr Clock) (hrs:min) (Gallons) (Gallons)
Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: or N
 Filter Device: Y or X 0.45 μ or μ (circle or fill in)
 Purging Device: C A-Submersible Pump D-Bailer
 Filter Type: A-In-line Disposable C-Vacuum
 B-Peristaltic Pump E-Piston Pump B-Pressure X-Other
 Sampling Device: C C-QED Bladder Pump F-Dipper/Bottle
 X-Other: Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 58.32 (ft) Groundwater Elevation (site datum, from TOC): (ft/msl)
 Total Well Depth (from TOC): (ft) Stick Up (from ground elevation): (ft) Casing ID: 2 (in) Casing Material: PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		18:05	225	8.00	366	18.8	5.6	4.8	160.3
	18:10	200	7.01	366	17.9	5.6	6.0	163.4	62.25
	18:15	200	6.43	367	18.0	7.2	6.4	164.8	62.85
	18:20	200	6.28	368	18.0	5.3	6.5	165.9	63.35
	18:25	200	6.24	367	17.9	5.9	6.6	166.7	63.55
	18:30	200	6.21	367	18.0	5.5	6.5	166.5	63.55
	18:35	200	6.18	366	18.0	5.0	6.5	166.3	63.55

Suggested range for 3 consec. readings or note Permit/State requirements:
 pH: +/- 0.2 Conductance: +/- 3% Temp: -- Turbidity: -- D.O.: +/- 10% eH/ORP: +/- 25 mV DTW: Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 070823 pH (std): 6.18 CONDUCTANCE (umhos/cm @ 25°C): 366 TEMP. (°C): 18.0 TURBIDITY (ntu): 5.0 DO (mg/L-ppm): 6.5 eH/ORP (mV): 166.3 Other:
Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.)

Sample Appearance: clear Odor: NONE Color: clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or N
 Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
7, 8, 23 C. Fincher [Signature] Probus
 Date Name Signature Company

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Laboratory Use Only / Lab I.D.:

Site Name: EVLF

44633891

Sample I.D. LCS-2

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D - Direct Sampling Equipment: S - Dipper S - Sample Bottle
 I - Indirect T - Transfer Vessel O - Other
 V - Visual

Sample Type: Grab / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp 'C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
<u>07/09/2023</u>	<u>0830</u>	<u>6.75</u>	<u>15429</u>	<u>22.6</u>	<u>522.11</u>	<u>1.21</u>	<u>212.0</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: yes Color: Brown Other: _____

Sheen Present Y or N Foam Present: Y or N Floating Solids: Y or N

Weather Conditions: (required daily, or as conditions change):

Direction/Speed: _____ Precipitation: Y or N

Specific Comments: _____

7.9.23 C. Finch Proams

Date

Name

Signature

Company

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Laboratory Use Only / Lab I.D.:

Site Name: EVLF

Sample I.D. LCS-12

L11633891

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D D - Direct Sampling Equipment: S D - Dipper S - Sample Bottle
I - Indirect T - Transfer Vessel O - Other
V - Visual

Sample Type: Grab / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp 'C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
<u>07/09/2013</u>	<u>1430</u>	<u>8.13</u>	<u>20199</u>	<u>33.4</u>	<u>185.31</u>	<u>3.09</u>	<u>155.1</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: Brown Other: _____

Sheen Present Y or N Foam Present: Y or N Floating Solids: Y or N

Weather Conditions: (required daily, or as conditions change):

Direction/Speed: _____ Precipitation: Y or N

Specific Comments: _____

7.9.123 C. Fincher [Signature] Pom's

Date Name Signature Company

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Laboratory Use Only / Lab I.D.:

Site Name: EVLF

11633891

Sample I.D. L03-4

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D - Direct Sampling Equipment: S - Dipper S - Sample Bottle
 I - Indirect T - Transfer Vessel O - Other
 V - Visual

Sample Type: Grab / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp °C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
<u>07/09/2023</u>	<u>0945</u>	<u>6.98</u>	<u>17730</u>	<u>27.8</u>	<u>203.70</u>	<u>2.01</u>	<u>148.3</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: Black Other: _____

Sheen Present Y or N Foam Present: Y or N Floating Solids: Y or N

Weather Conditions: (required daily, or as conditions change):

Direction/Speed: _____ Precipitation: Y or N

Specific Comments: _____

7.19 / 1.23 C. Fincher [Signature] Promis

Date Name Signature Company

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Site Name: EVLF

Sample I.D.: LDS-7

Laboratory Use Only / Lab I.D.:

L1633891

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D - Direct Sampling Equipment: S - Dipper S - Sample Bottle
 I - Indirect T - Transfer Vessel O - Other
 V - Visual

Sample Type: Grab / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp °C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
<u>07/09/2023</u>	<u>1115</u>	<u>7.59</u>	<u>694</u>	<u>27.2</u>	<u>7.03</u>	<u>2.13</u>	<u>128.0</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: Yellow Other: _____
 Sheen Present Y or N Foam Present: Y or N Floating Solids: Y or N

Weather Conditions: (required daily, or as conditions change):

Direction/Speed: _____ Precipitation: Y or N

Specific Comments: _____

7, 9, 23 C. Fincher [Signature] Proamus

Date

Name

Signature

Company

L11033891

<u>Tracking Numbers</u>	<u>Temperature</u>
6525 5570 5921	GBA6 5.420 = 5.4
6525 5570 5895	GBA6 2.610 = 2.6
6525 5570 5932	GBA6 2.770 = 2.7
6525 5570 5873	GBA6 1.220 = 1.2
6525 5570 5910	GBA6 5.420 = 5.4
6525 5570 5900	GBA6 3.510 = 3.5



7/11-NCF-L1633891 WMECOVISAR

R5

Time estimate: oh

Time spent: oh

Members

-  Hailey Melson (responsible)
-  Stacy Kennedy

Due on 14 July 2023 8:00 AM for target Done

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

Comments

- Hailey Melson* *11 July 2023 1:45 PM*

pH out of range for all LCS IDs. Sample reacted with Sulfuric so no samples were preserved.
- Stacy Kennedy* *11 July 2023 2:08 PM*

Noted. Please proceed with analysis. These are a leachate-type matrix.
- Hailey Melson* *11 July 2023 2:09 PM*

Done