Karen Blue (adpce.ad)

From: Travis Doll <travis.doll@jettenviro.com>
Sent: Thursday, September 28, 2023 10:58 AM
To: gwreports
Cc: Reynolds, Jodi; Steve Jett P.G.; Ciara Childers Beavers
Subject: August 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 August 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/1_fdOCH0qfnyw2NnvUouK4Lk3y3iZ8cUo/view?usp=sharing

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

Sincerely,

AFIN: 72-00144
PMT#: 0290-S1-R4
Received
By Karen Blue at 8:13 pm, Oct 1, 2023
DOC ID#: 84695
TO: BS>FILE <KMB

Travis Doll, P.G.
Senior Geologist
Jett Environmental Consulting
18 Lexington Oaks Court
Foristell, MO 63348
573-418-5488
travis.doll@jettenviro.com
www.jettenviro.com

JETT ENVIRONMENTAL CONSULTING

September 28, 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: August 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 August 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 August 2023 sampling event was completed on August 1-3, 2023. A copy of the laboratory analytical report and field sampling forms are included in **Attachment G**.

A list of the required groundwater monitoring wells, LDS locations, and LCS locations are provided in **Attachment A**. A summary of the August 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 August 2023 chloride concentration was compared to 10 times the baseline value (see **Attachment A**). No August 2023 chloride concentrations exceeded the 10 times baseline values.

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

For monitoring wells with statistically significant increasing trends, the August 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 August 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 (gpad). 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 August 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 August 2023 LDS flow rates was below 60 gpad (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 August 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.
- During the August 2023 event, the field meter experienced 'drift' issues for the pH sensor, which resulted in lower than historical values for field pH. The field sampling consultant has since replaced the field pH sensor and verified proper operation through bench testing and calibration.

No significant findings were determined with respect to groundwater for the August 2023 monitoring period. In addition, there were no flow rate exceedances to report for August 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
August 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	8/1/2023	78	10.6	<0.1	610	4.92	1302.14	72.45	1229.69
LGW-3R	8/2/2023	124	5.29	<0.1	107	3.44	1289.20	55.55	1233.65
LGW-4	8/2/2023	149	18.3	<0.1	776	5.39	1267.79	60.64	1207.15
LGW-5	8/2/2023	124	33.2	<0.1	851	5.60	1271.91	70.31	1201.60
LGW-6	8/2/2023	133	15.7	<0.1	774	5.00	1244.79	50.65	1194.14
LGW-7	8/1/2023	113	15.3	<0.1	567	4.49	1220.60	43.40	1177.20
LGW-8R	8/1/2023	122	18.9	<0.1	727	4.20	1186.24	10.95	1175.29
LGW-9	8/1/2023	169	36.0	<0.1	780	3.96	1237.47	54.48	1182.99
LGW-10	8/1/2023	151	22.1	<0.1	820	3.83	1240.61	59.54	1181.07
LGW-14R	8/2/2023	39	5.39	<0.1	648	5.93	1250.93	56.30	1194.63
MW-7N	8/1/2023	93	31.5	<0.1	577	4.41	1250.84	87.50	1163.34
MW-15	8/1/2023	278	37.6	<0.1	576	4.04	1291.46	58.63	1232.83
MW-16	8/1/2023	108	4.21	<0.1	374	4.87	1289.70	73.52	1216.18
MW-17	8/2/2023	205	7.10	<0.1	336	6.07	1288.93	60.31	1228.62
MW-19	8/1/2023	92	7.84	<0.1	310	5.50	1293.90	68.10	1225.80
LCS-1	8/3/2023	NA	1520 V	1770	18494	7.18	NA	NA	NA
LCS-2	8/3/2023	NA	1770	1280	17491	6.65	NA	NA	NA
LCS-3	8/3/2023	NA	1340	912	14740	7.35	NA	NA	NA
LCS-4	8/3/2023	NA	1560	1280	18337	7.82	NA	NA	NA
LCS-5	8/3/2023	NA	2260	2560	30541	7.48	NA	NA	NA
LCS-6	8/3/2023	NA	1850	1490	23358	7.87	NA	NA	NA
LCS-7	8/3/2023	NA	2270	1740	25224	7.52	NA	NA	NA
LCS-8	8/3/2023	NA	1170	890	13899	7.80	NA	NA	NA
LCS-9	8/3/2023	NA	1680	1400	20482	10.05	NA	NA	NA
LCS-10	8/3/2023	NA	1910	1730	24227	8.89	NA	NA	NA
LCS-11	8/3/2023	NA	1990	1990	25601	9.52	NA	NA	NA
LCS-12	8/3/2023	NA	1770	1480	22798	9.72	NA	NA	NA
LDS-1	8/3/2023	NA	357	17.5	4967	6.71	NA	NA	NA
LDS-2	8/3/2023	NA	375	7.12	4133	6.82	NA	NA	NA
LDS-3	8/3/2023	NA	1720	181	19189	6.97	NA	NA	NA
LDS-4	8/3/2023	NA	1200	1070	18479	7.42	NA	NA	NA
LDS-5	8/3/2023	NA	557	276	12371	9.58	NA	NA	NA
LDS-6	8/3/2023	NA	1540	200	14487	7.90	NA	NA	NA
LDS-7	8/3/2023	NA	290	169	6336	8.94	NA	NA	NA
LDS-8	8/3/2023	NA	139	30.1	3679	8.09	NA	NA	NA
LDS-9	8/3/2023	NA	67	20.6	2700	8.52	NA	NA	NA
LDS-10	8/3/2023	NA	1690	1090	24251	8.41	NA	NA	NA
LDS-11	8/3/2023	NA	2250	1450	27728	8.61	NA	NA	NA
LDS-12	8/3/2023	NA	1580	611	16619	7.97	NA	NA	NA
Field Blank	8/1/2023	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 31, 2023.
NA - Not Applicable
Chloride Intra-Well Limit is the baseline mean concentration multiplied by 10. See Report Attachment D for calculations.
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
8/1/2023 - 8/3/2023	<.100	22.1	3.83	820.0

* - 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
8/1/2023 - 8/3/2023	<.100	5.39	5.93	648.0

* - 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
8/1/2023 - 8/3/2023	<.100	10.60	4.92	610.0

* - 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
8/1/2023 - 8/3/2023	<.100	5.29	3.44	107.0

* - 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
8/1/2023 - 8/3/2023	<.100	18.30	5.39	776.0

* - 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
8/1/2023 - 8/3/2023	<.100	33.2	5.60	851.0

* - 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	<1.000	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
8/1/2023 - 8/3/2023	<.100	15.7	5.00	774.0

* - 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
8/1/2023 - 8/3/2023	<.100	15.3	4.49	567.0

* - 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
8/1/2023 - 8/3/2023	<.100	18.9	4.20	727.0

* - 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	<1.000	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
8/1/2023 - 8/3/2023	<.100	36.0	3.96	780.0

* - 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
8/1/2023 - 8/3/2023	<.10	37.6	4.04	576.0

* - 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
8/1/2023 - 8/3/2023	<.10	4.21	4.87	374.0

* - 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
8/1/2023 - 8/3/2023	<.1	7.10	6.07	336.0

* - 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
8/1/2023 - 8/3/2023	<.10	7.84	5.50	310.0

* - 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

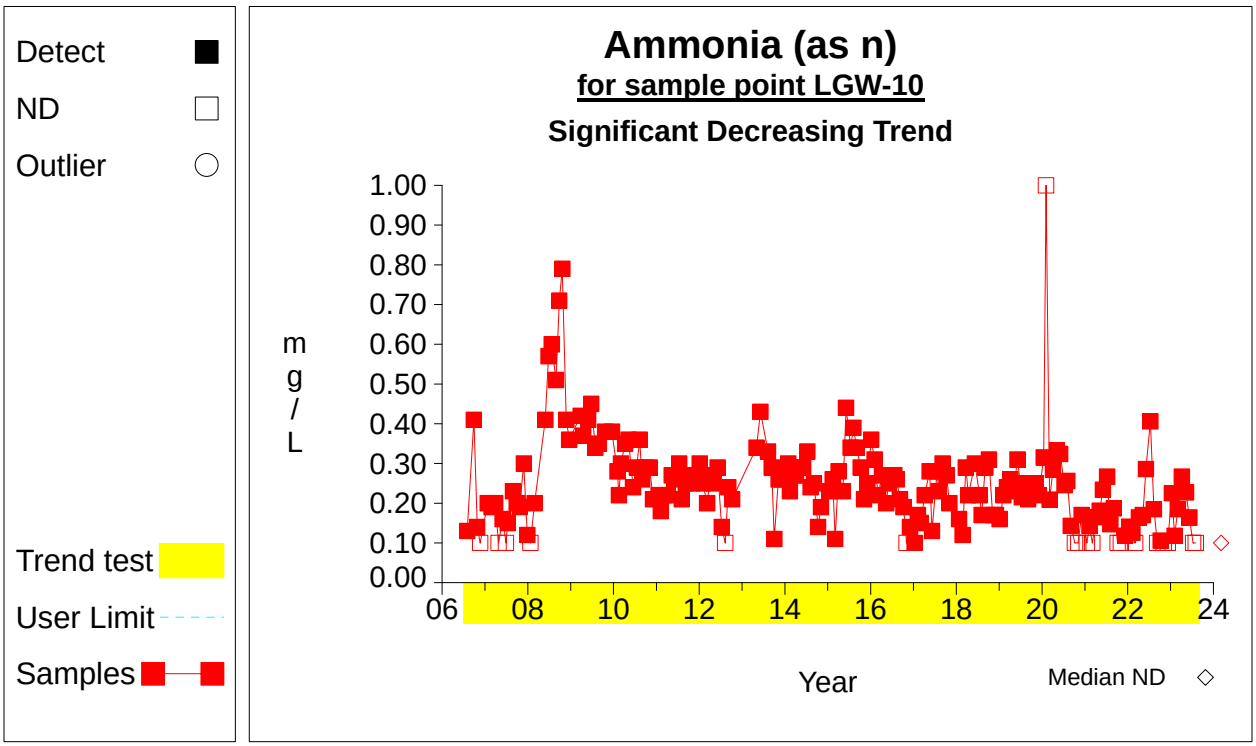
Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
8/9/2022 - 8/10/2022	<.100	39.5	6.42	609.0
9/7/2022 - 9/8/2022	<.100	40.7	6.35	610.0
10/5/2022 - 10/7/2022	<.100	37.4	5.98 *	590.0 *
11/2/2022 - 11/3/2022	<.100	36.2	6.35	641.0
12/6/2022 - 12/7/2022	<.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
8/1/2023 - 8/3/2023	<.100	31.5	4.41	577.0

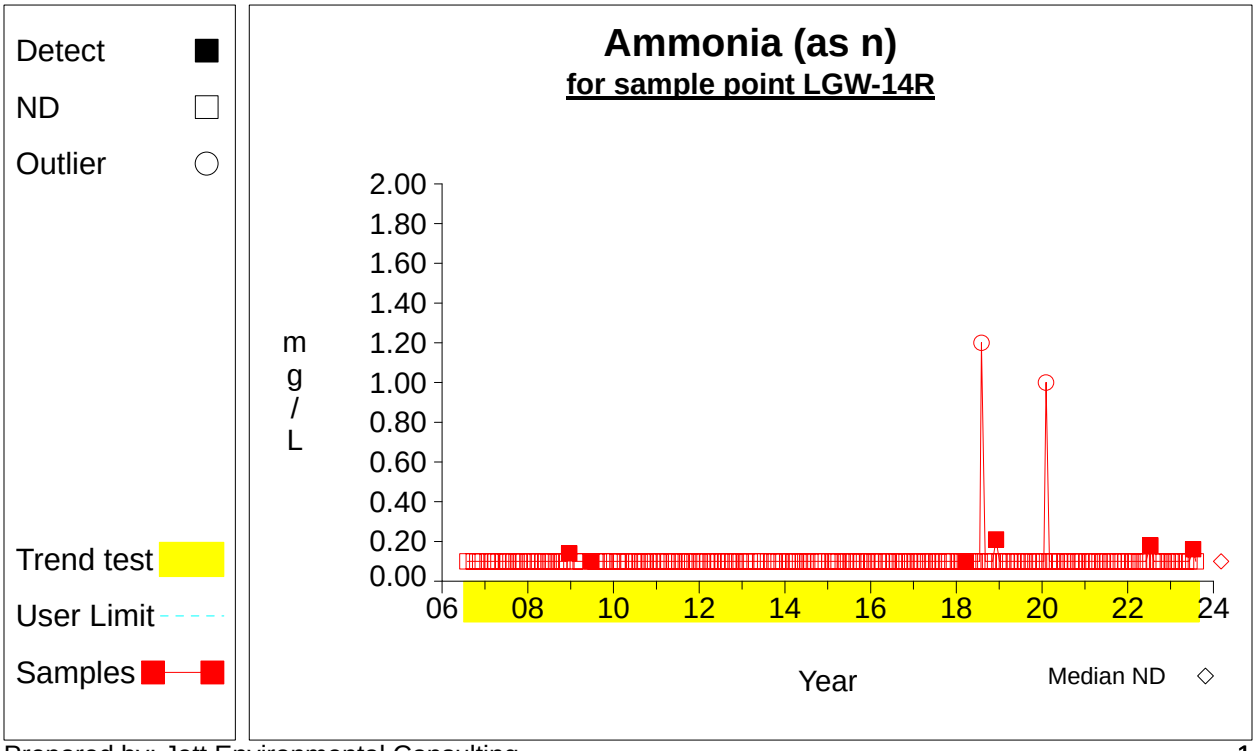
* - The displayed value is the arithmetic mean of multiple database matches.

ATTACHMENT C

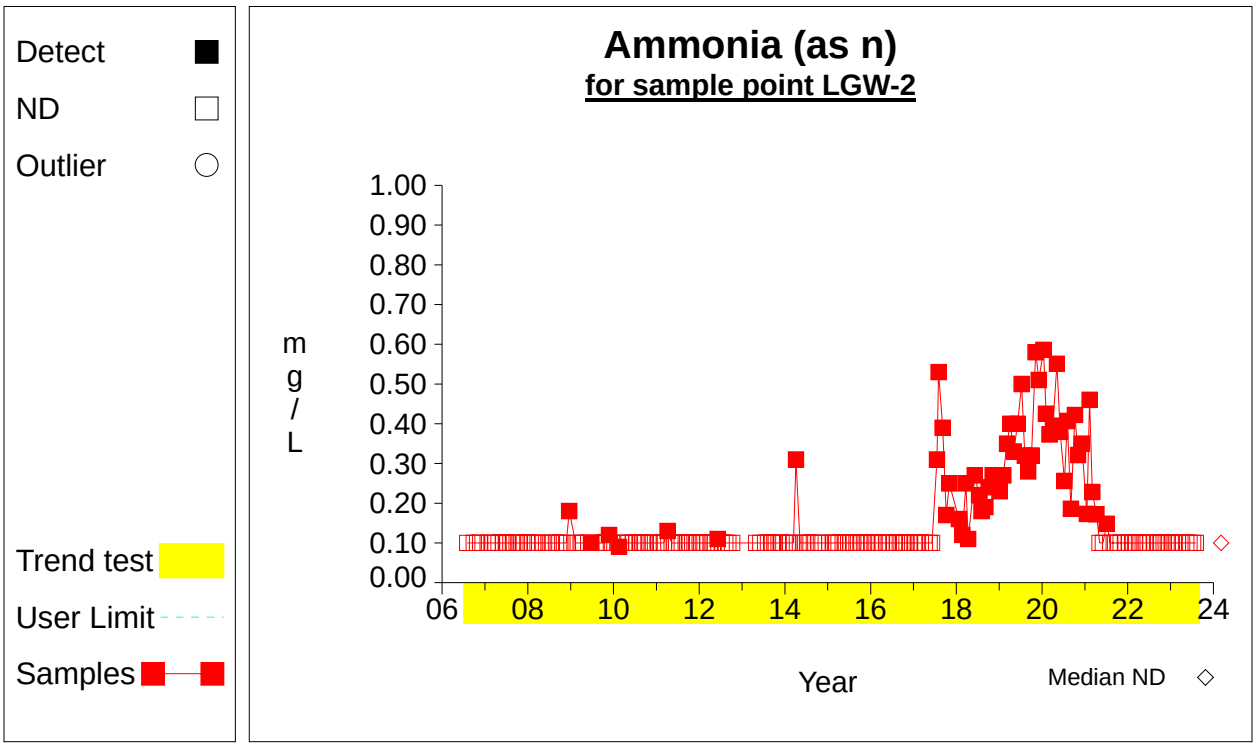
Trend Analysis

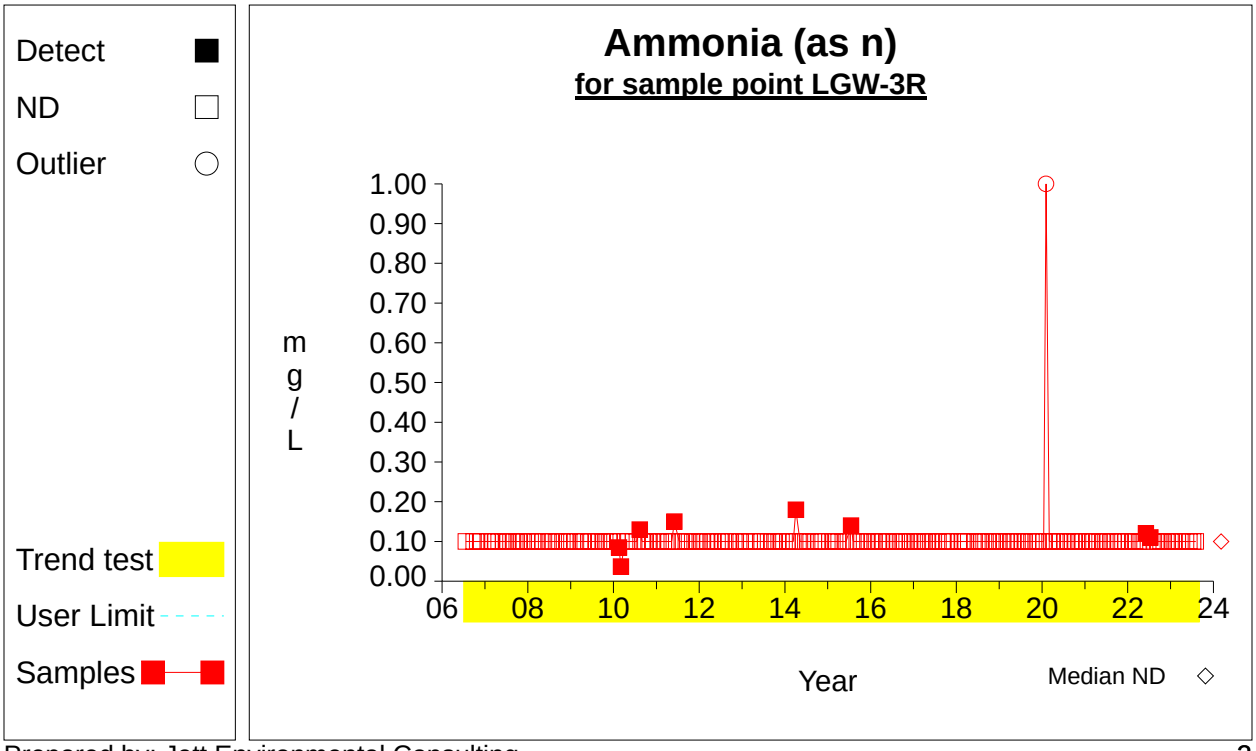
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Ammonia (as n)
for sample point LGW-10
Significant Decreasing Trend
mg/L
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
06
08
10
12
14
16
18
20
22
24
Year
Median ND

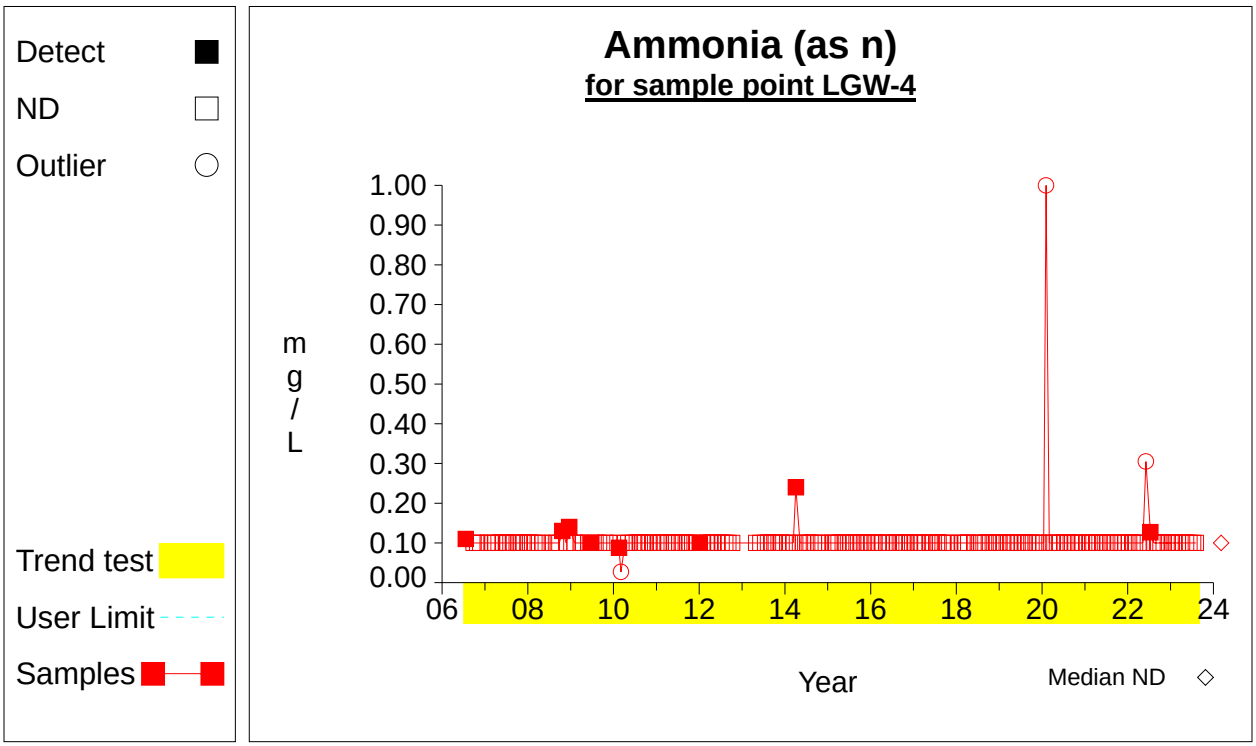

Detect
ND
Outlier
Trend test
User Limit
Samples
Ammonia (as n)
for sample point LGW-14R
mg/L
2.00
1.80
1.60
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
06
08
10
12
14
16
18
20
22
24
Year
Median ND

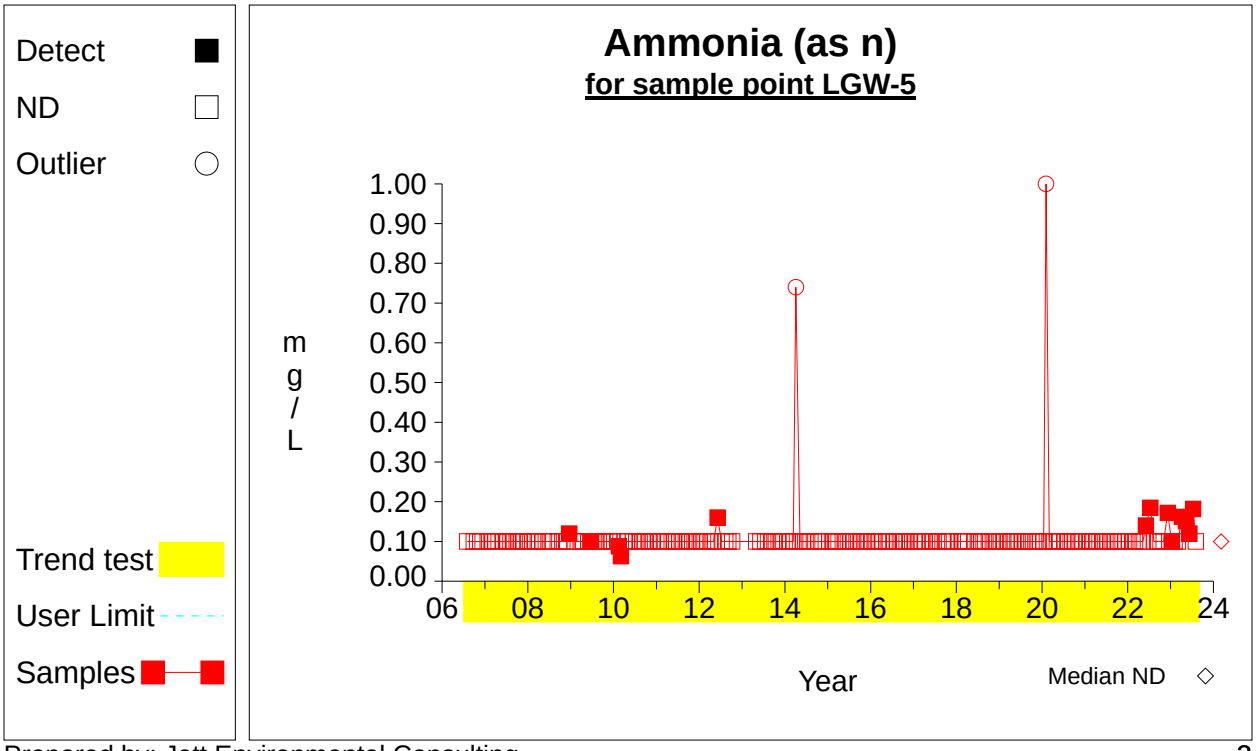
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Ammonia (as n)
for sample point LGW-2
mg/L
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
06
08
10
12
14
16
18
20
22
24
Year
Median ND

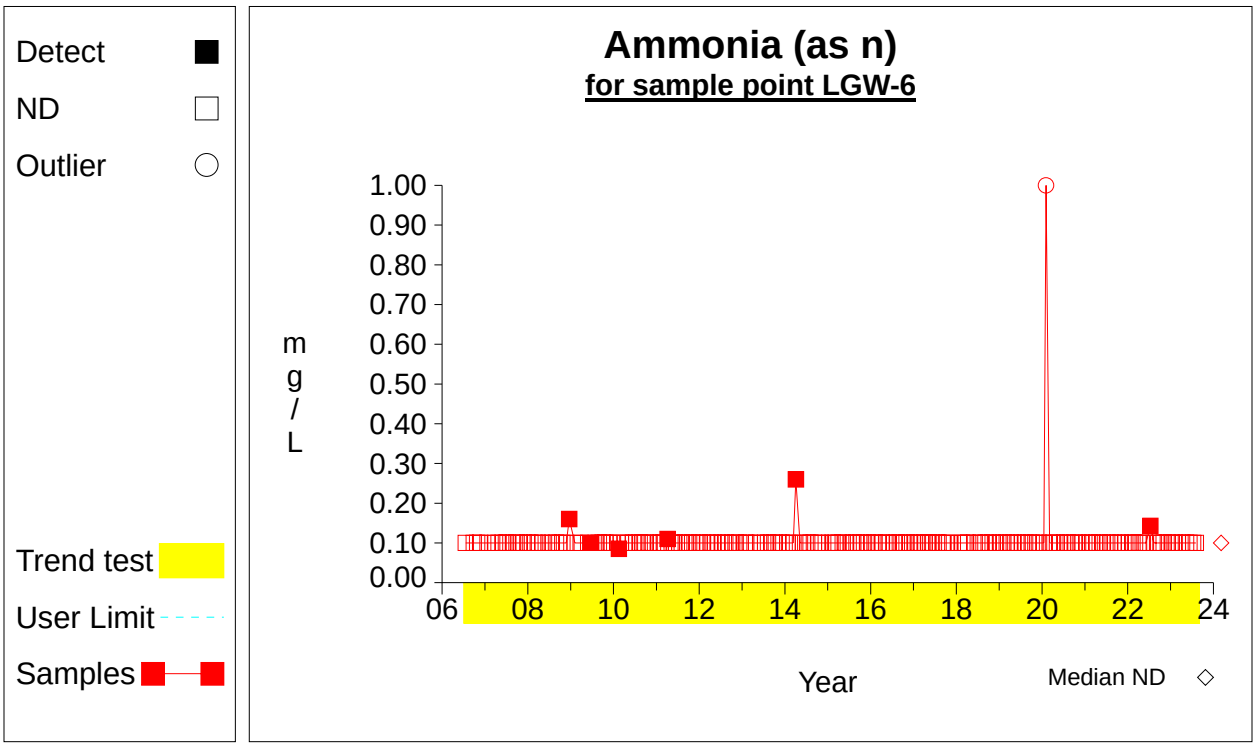

Detect
ND
Outlier
Trend test
User Limit
Samples
Ammonia (as n)
for sample point LGW-3R
mg/L
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
06
08
10
12
14
16
18
20
22
24
Year
Median ND

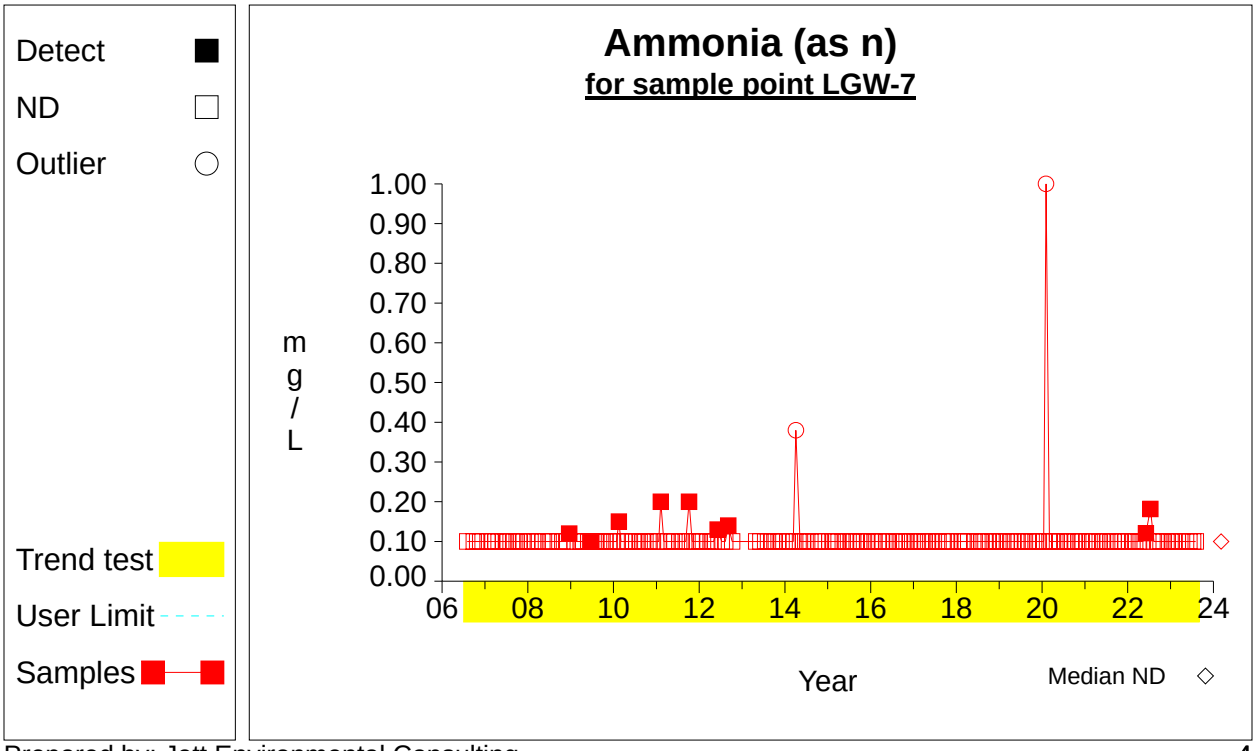
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Ammonia (as n)
for sample point LGW-4
mg/L
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
06
08
10
12
14
16
18
20
22
24
Year
Median ND

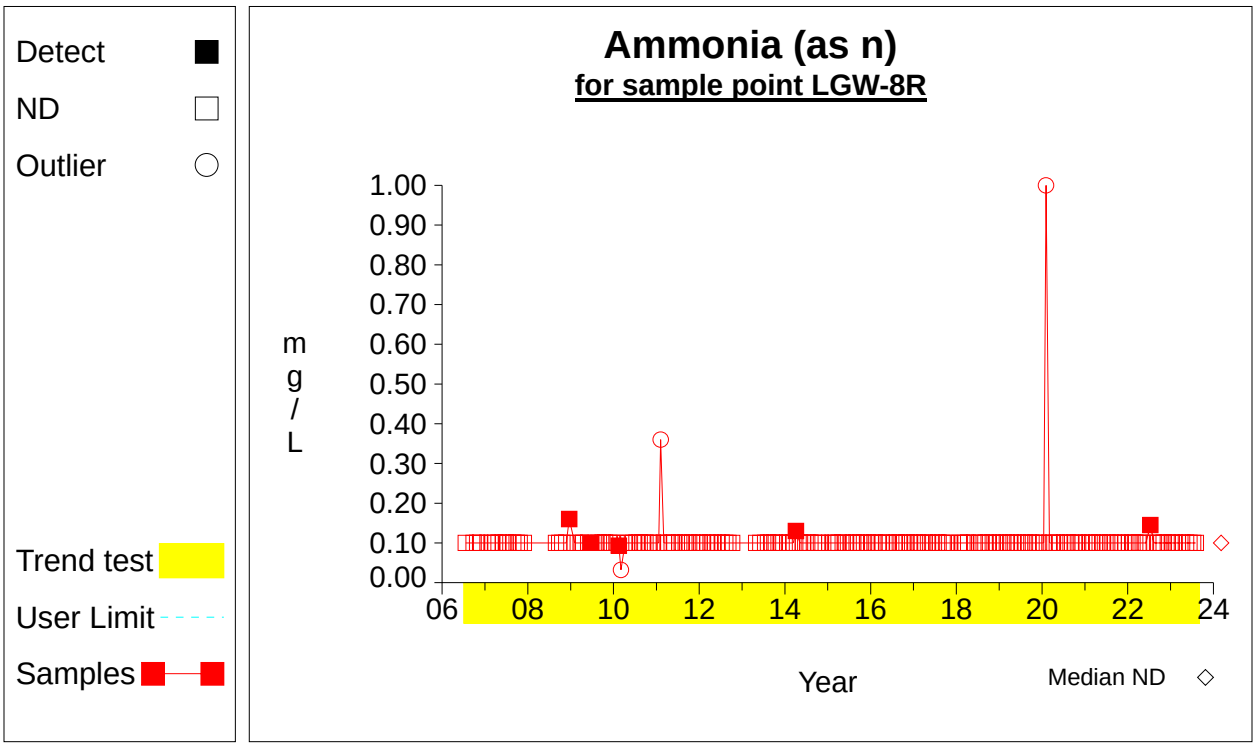

Detect
ND
Outlier
Trend test
User Limit
Samples
Ammonia (as n)
for sample point LGW-5
mg/L
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
06
08
10
12
14
16
18
20
22
24
Year
Median ND

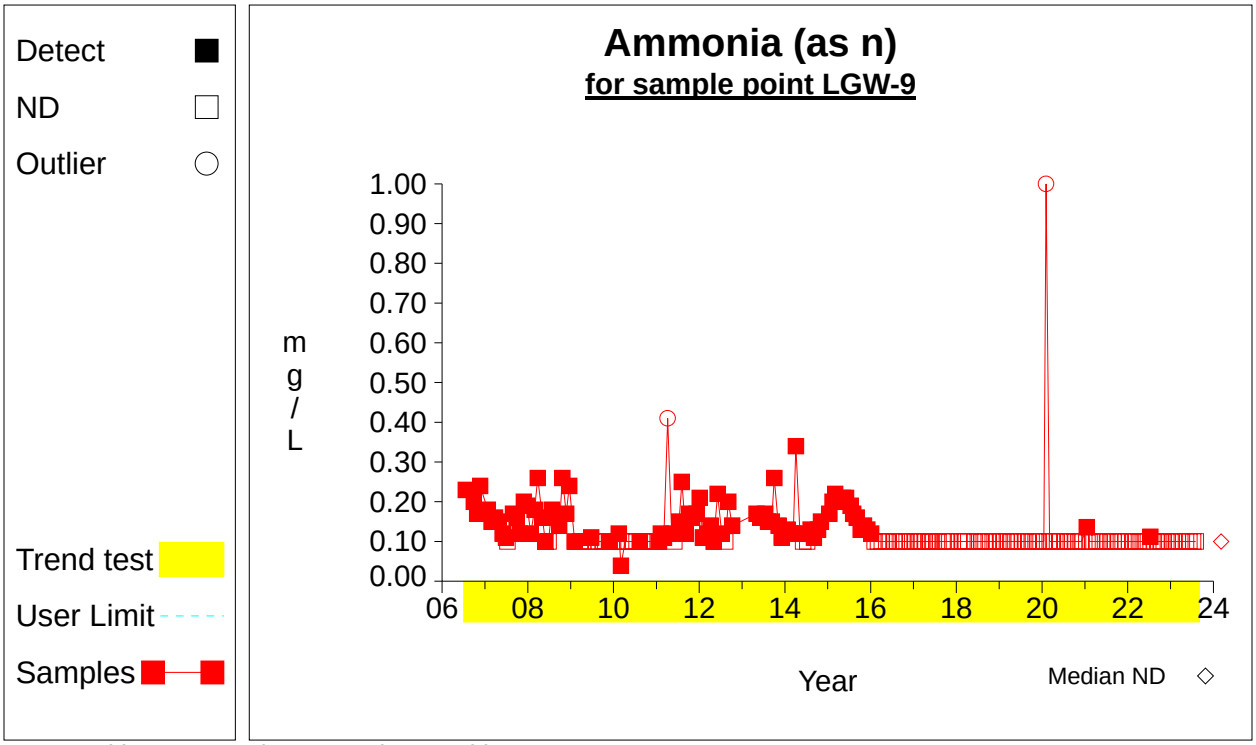
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Ammonia (as n)
for sample point LGW-6
mg/L
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
06
08
10
12
14
16
18
20
22
24
Year
Median ND

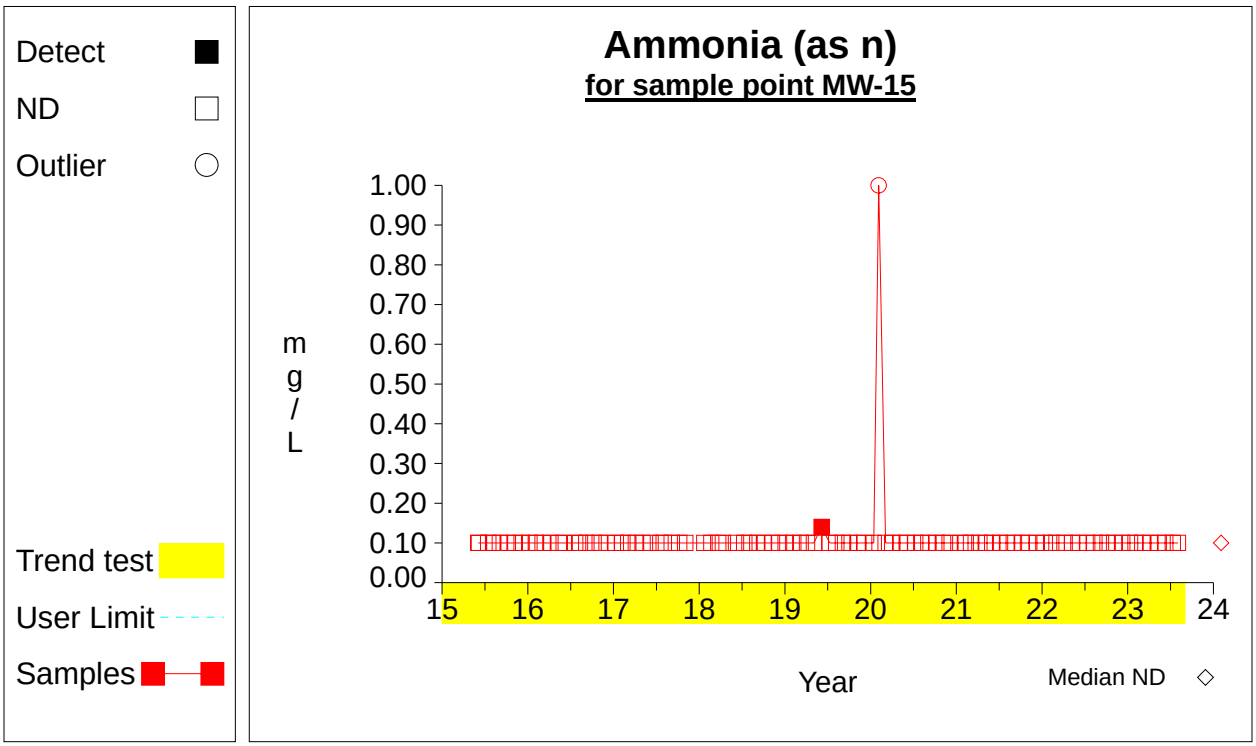

Detect
ND
Outlier
Trend test
User Limit
Samples
Ammonia (as n)
for sample point LGW-7
mg/L
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
06
08
10
12
14
16
18
20
22
24
Year
Median ND

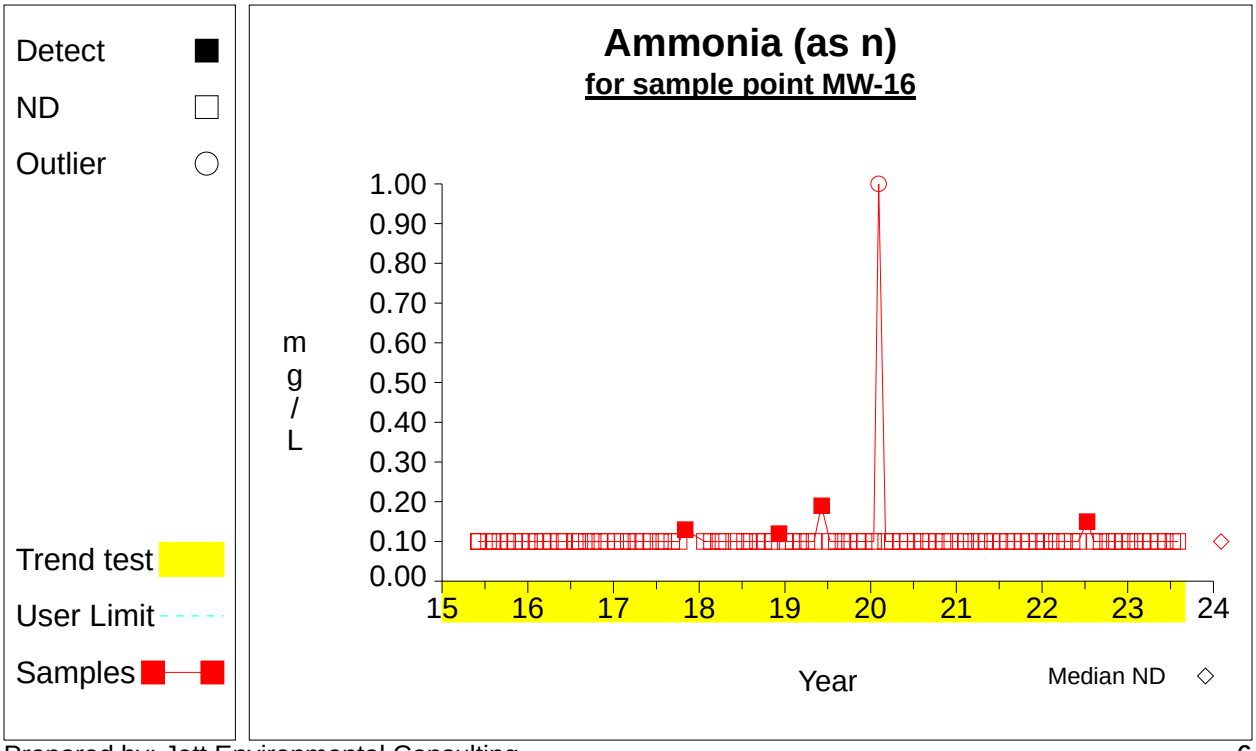
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Ammonia (as n)
for sample point LGW-8R
mg/L
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
06
08
10
12
14
16
18
20
22
24
Year
Median ND

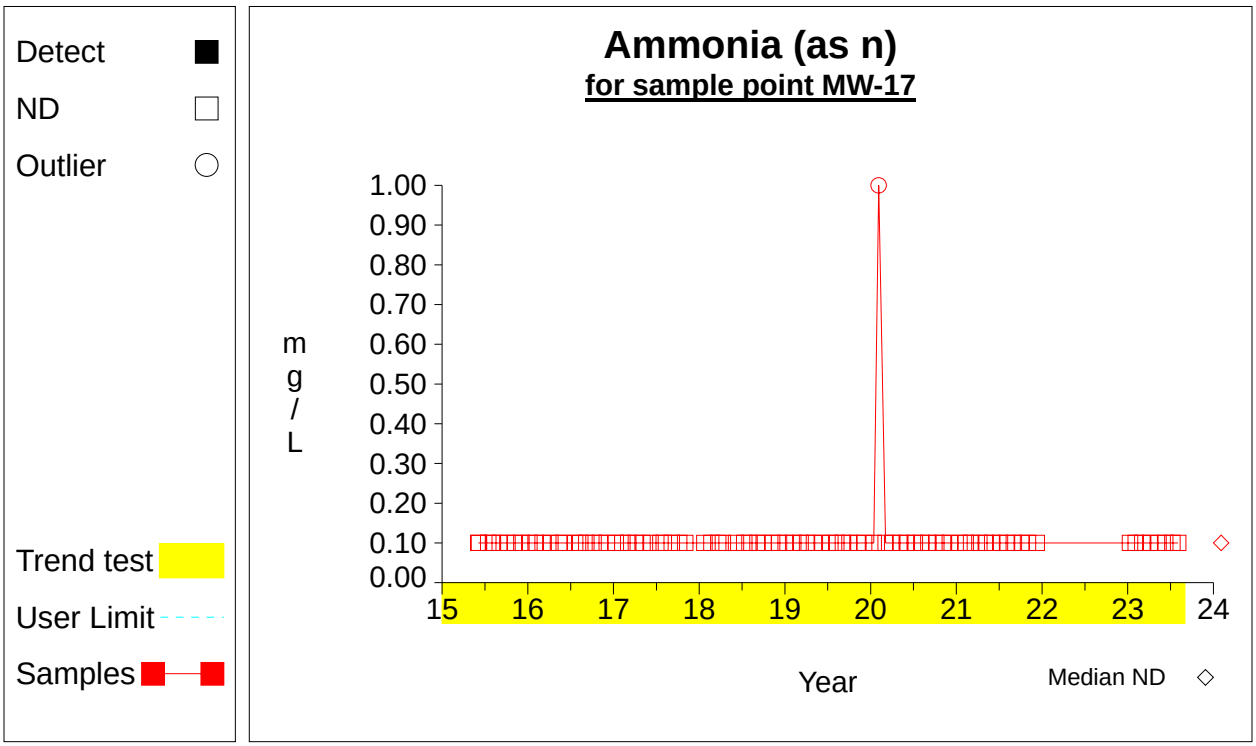

Detect
ND
Outlier
Trend test
User Limit
Samples
Ammonia (as n)
for sample point LGW-9
mg/L
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
06
08
10
12
14
16
18
20
22
24
Year
Median ND

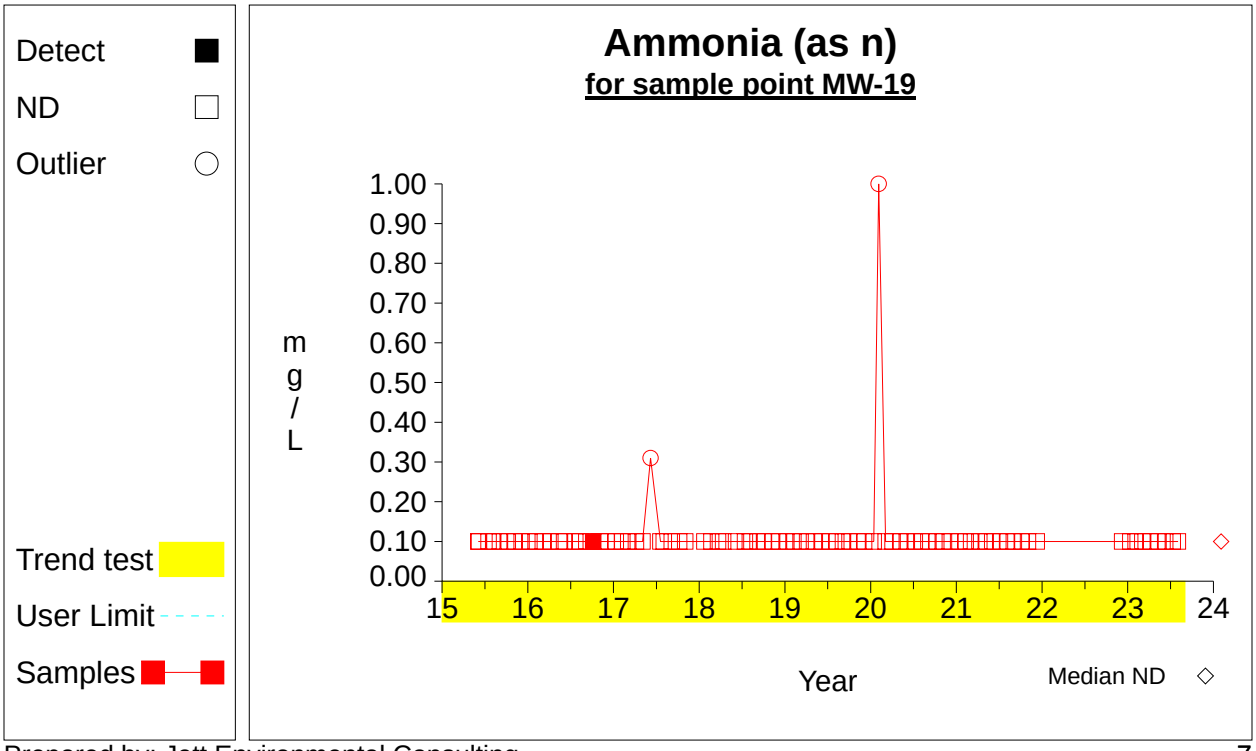
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Ammonia (as n)
for sample point MW-15
mg/L
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
15
16
17
18
19
20
21
22
23
24
Year
Median ND

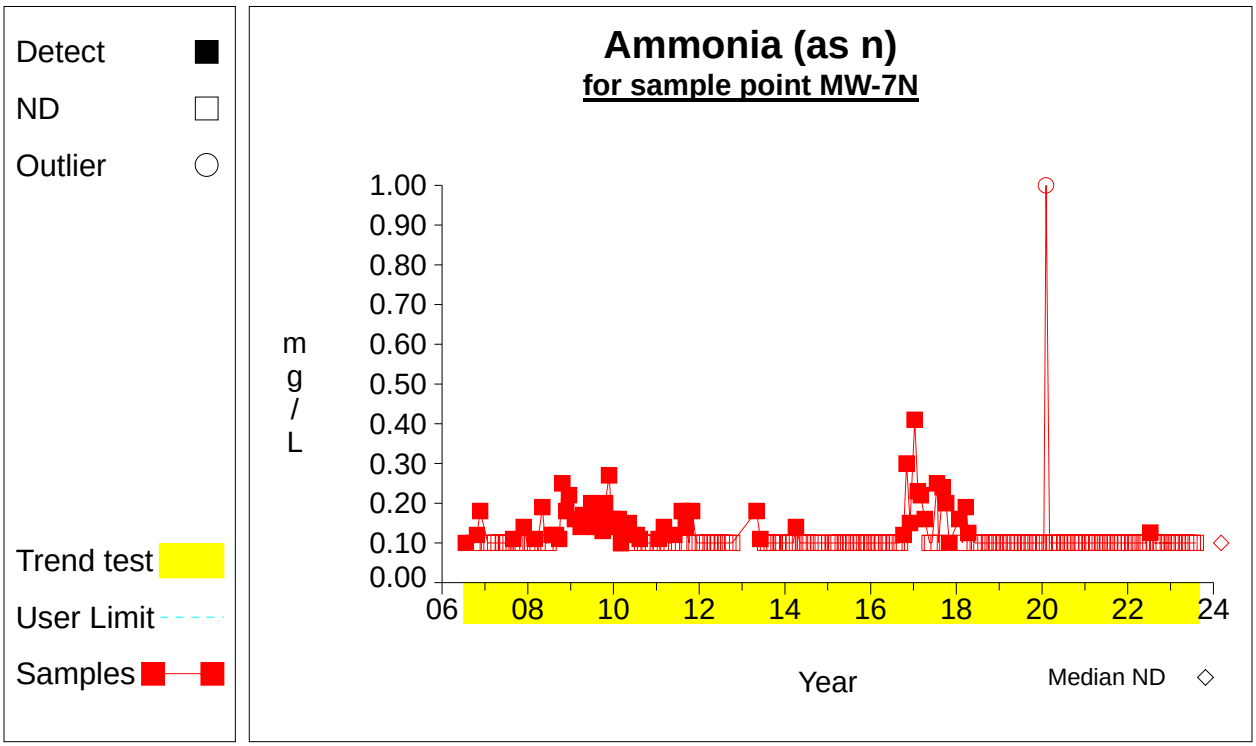

Detect
ND
Outlier
Trend test
User Limit
Samples
Ammonia (as n)
for sample point MW-16
mg/L
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
15
16
17
18
19
20
21
22
23
24
Year
Median ND

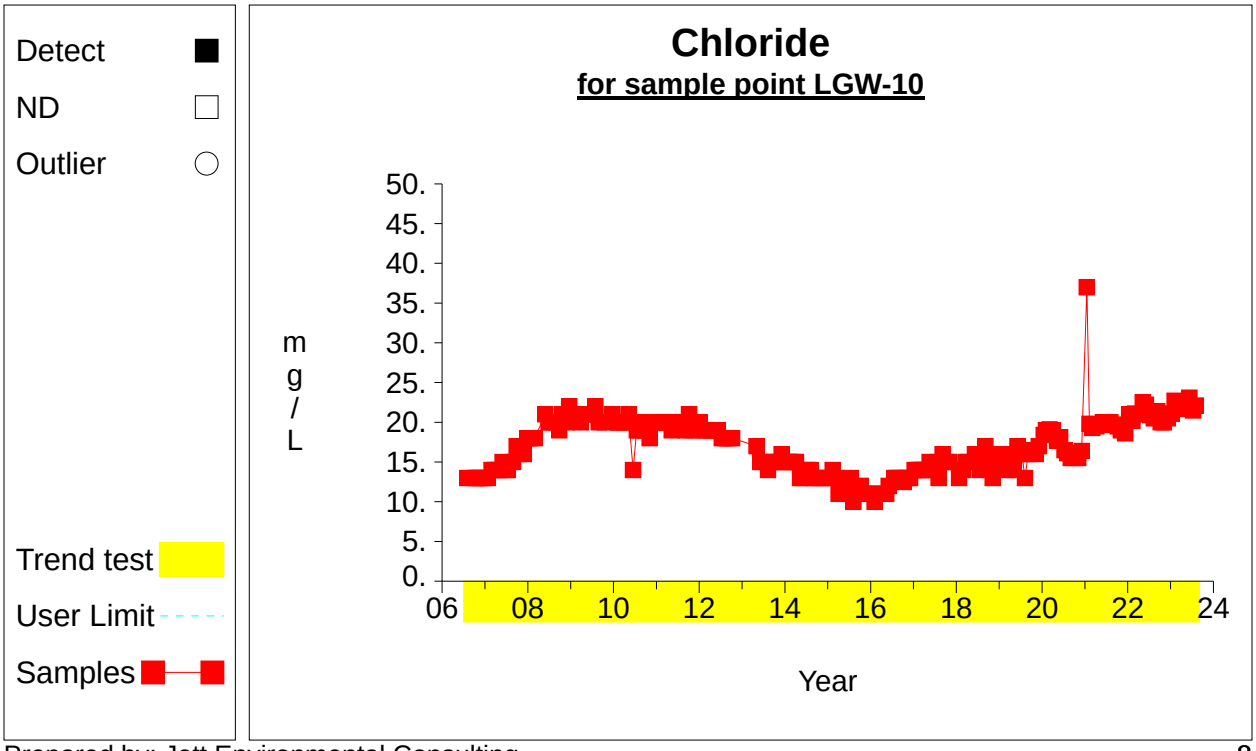
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Ammonia (as n)
for sample point MW-17
mg/L
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
15
16
17
18
19
20
21
22
23
24
Year
Median ND

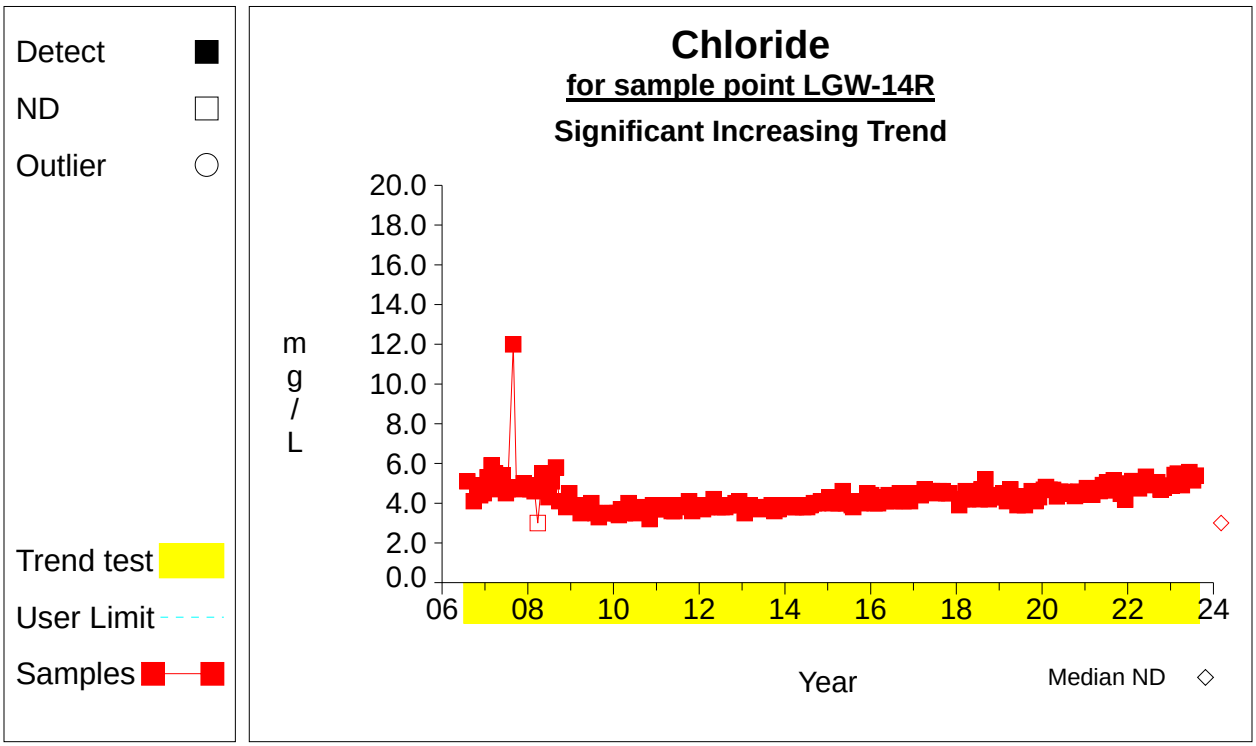

Detect
ND
Outlier
Trend test
User Limit
Samples
Ammonia (as n)
for sample point MW-19
mg/L
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
15
16
17
18
19
20
21
22
23
24
Year
Median ND

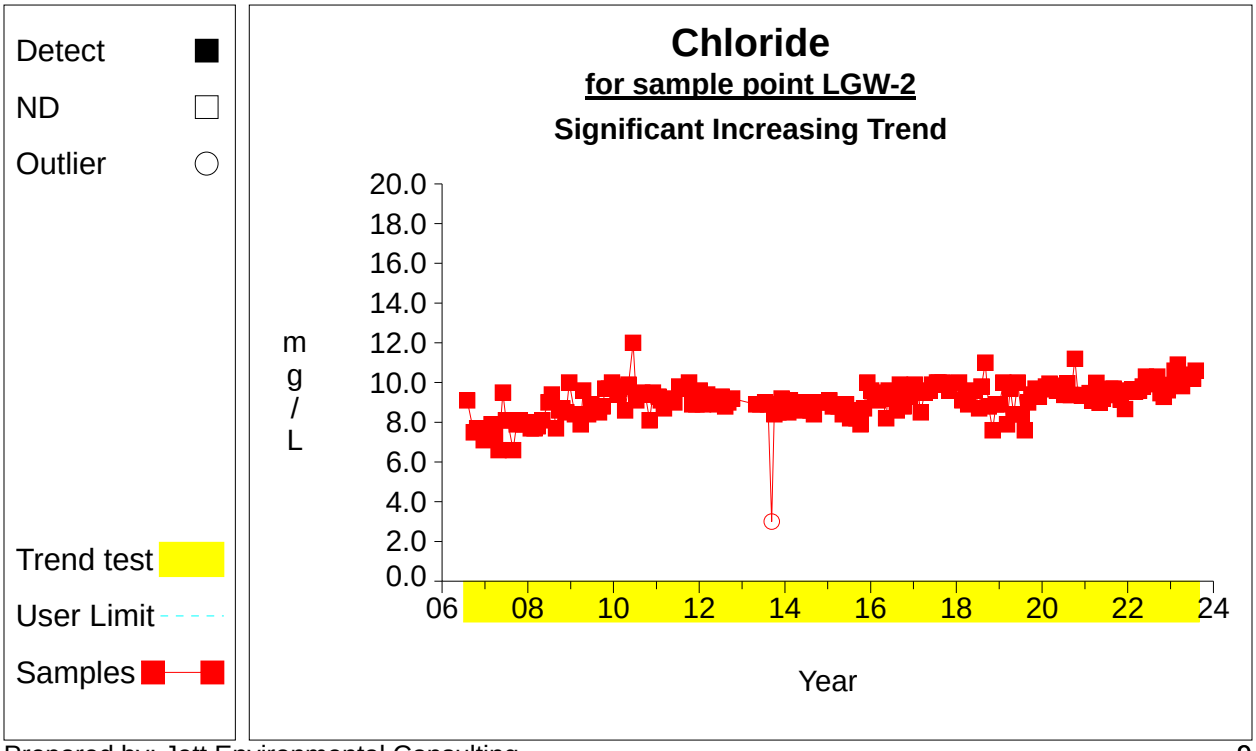
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Ammonia (as n)
for sample point MW-7N
mg/L
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
06
08
10
12
14
16
18
20
22
24
Year
Median ND

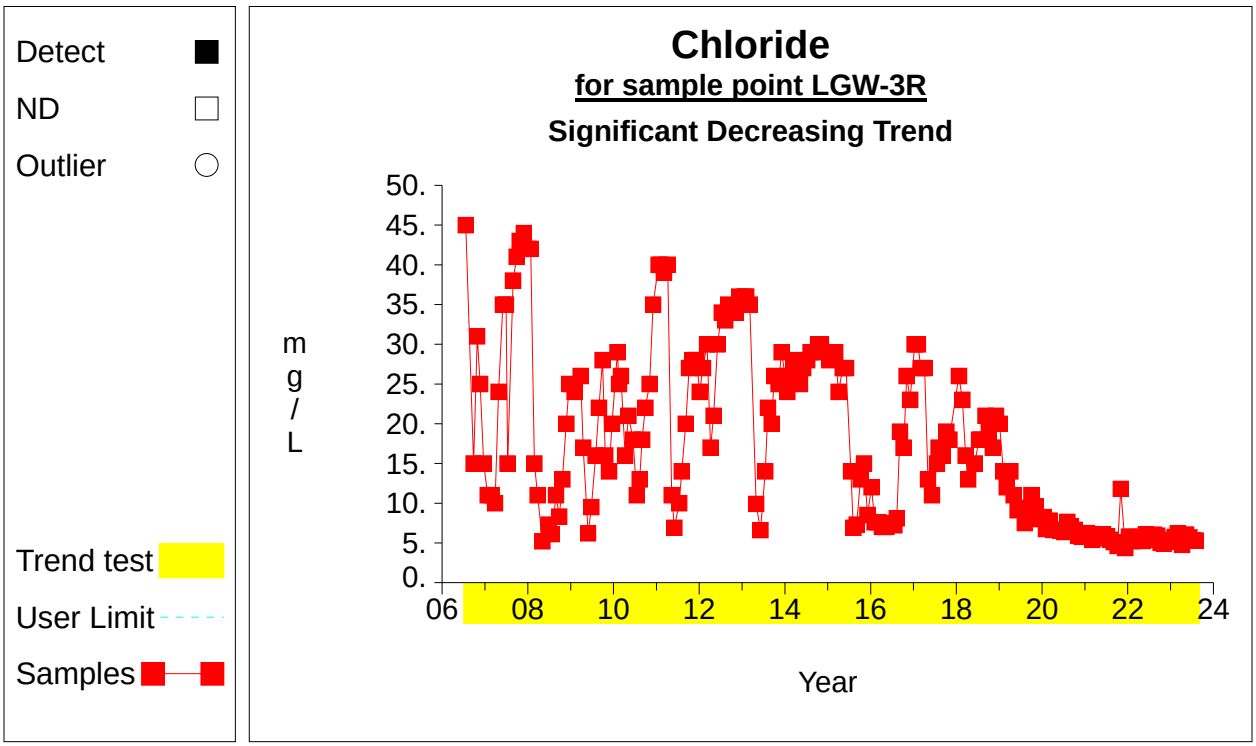

Detect
ND
Outlier
Trend test
User Limit
Samples
Chloride
for sample point LGW-10
mg/L
50.
45.
40.
35.
30.
25.
20.
15.
10.
5.
0.
06
08
10
12
14
16
18
20
22
24
Year

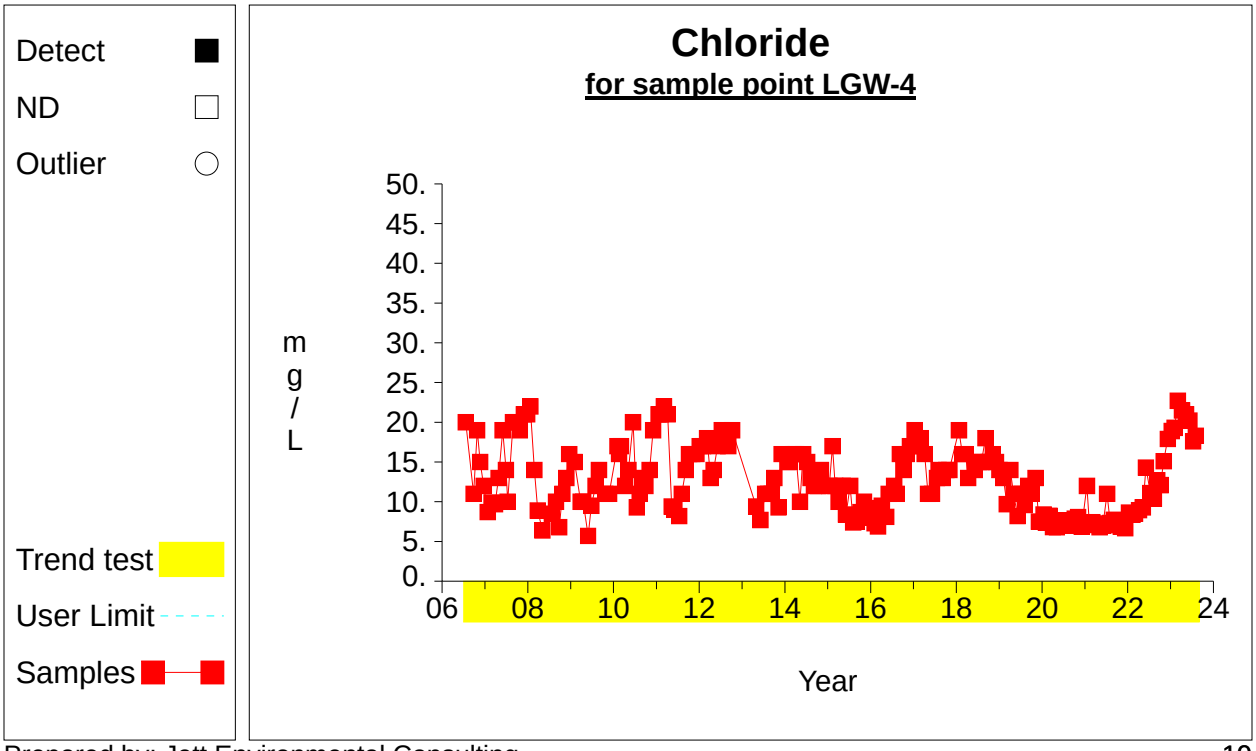
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Chloride
for sample point LGW-14R
Significant Increasing Trend
mg/L
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
06
08
10
12
14
16
18
20
22
24
Year
Median ND

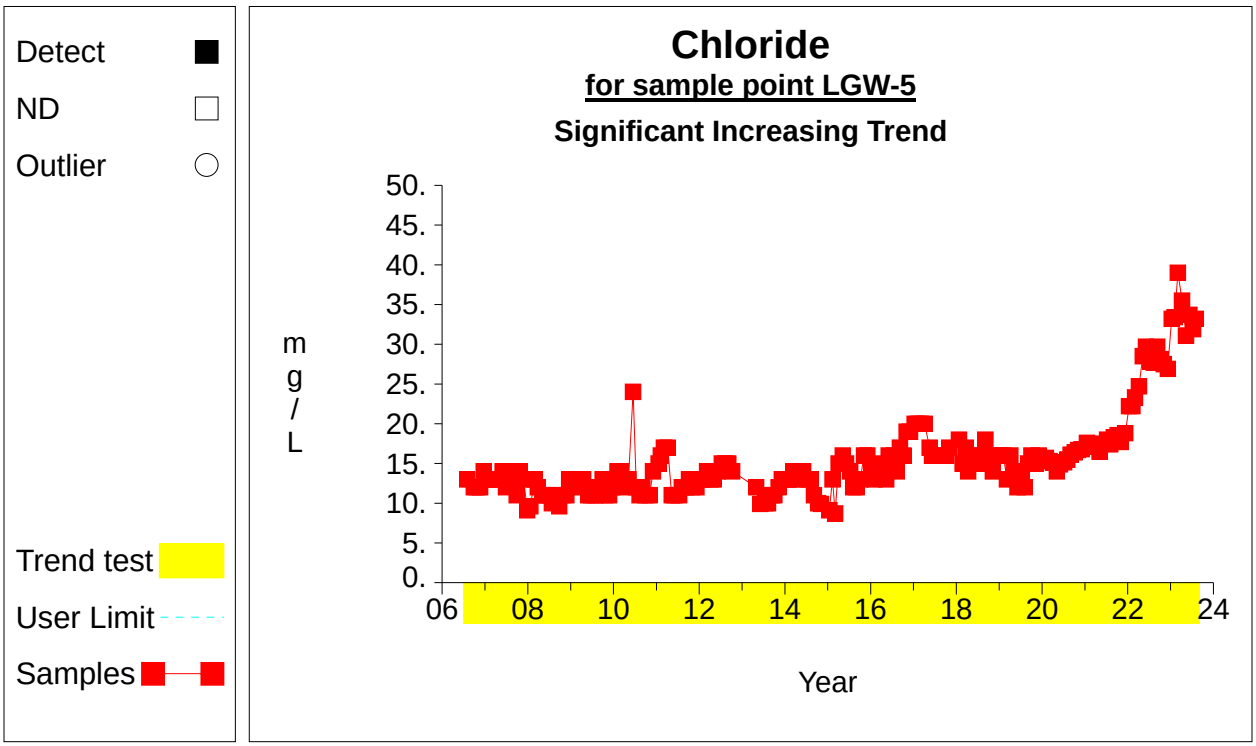

Detect
ND
Outlier
Trend test
User Limit
Samples
Chloride
for sample point LGW-2
Significant Increasing Trend
mg/L
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
06
08
10
12
14
16
18
20
22
24
Year

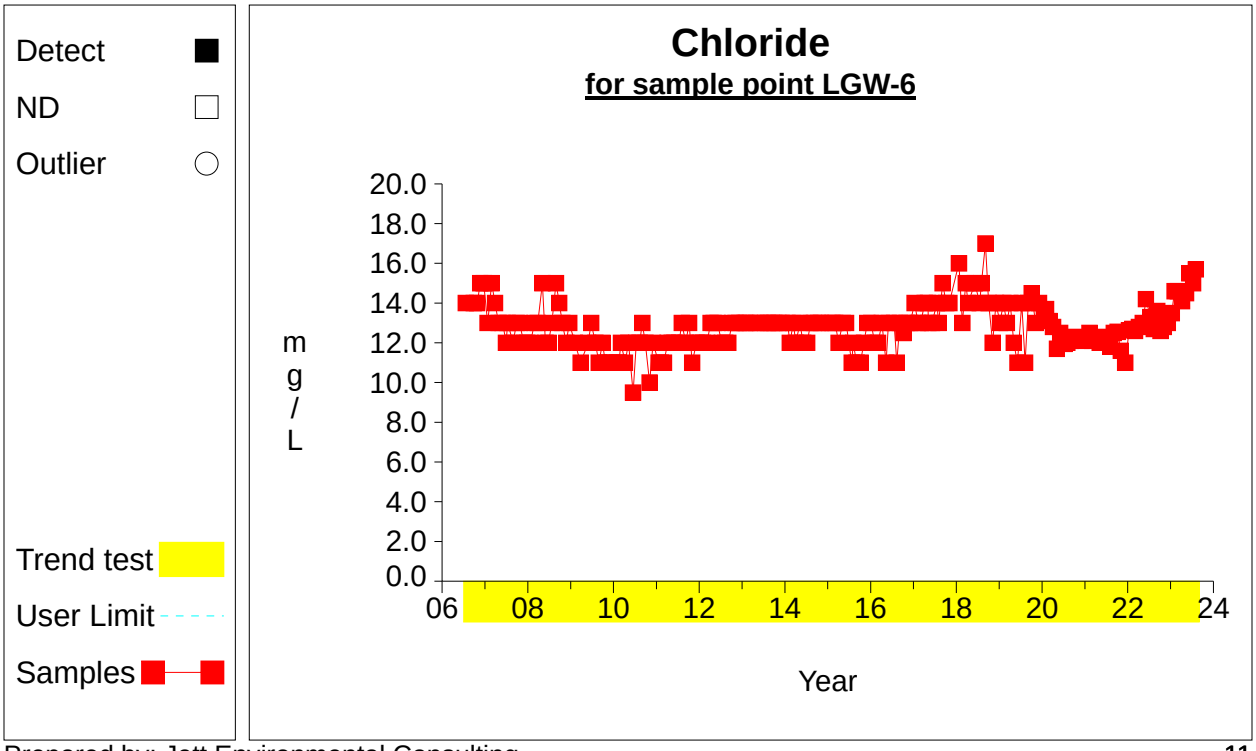
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Chloride
for sample point LGW-3R
Significant Decreasing Trend
mg/L
50.
45.
40.
35.
30.
25.
20.
15.
10.
5.
0.
06
08
10
12
14
16
18
20
22
24
Year

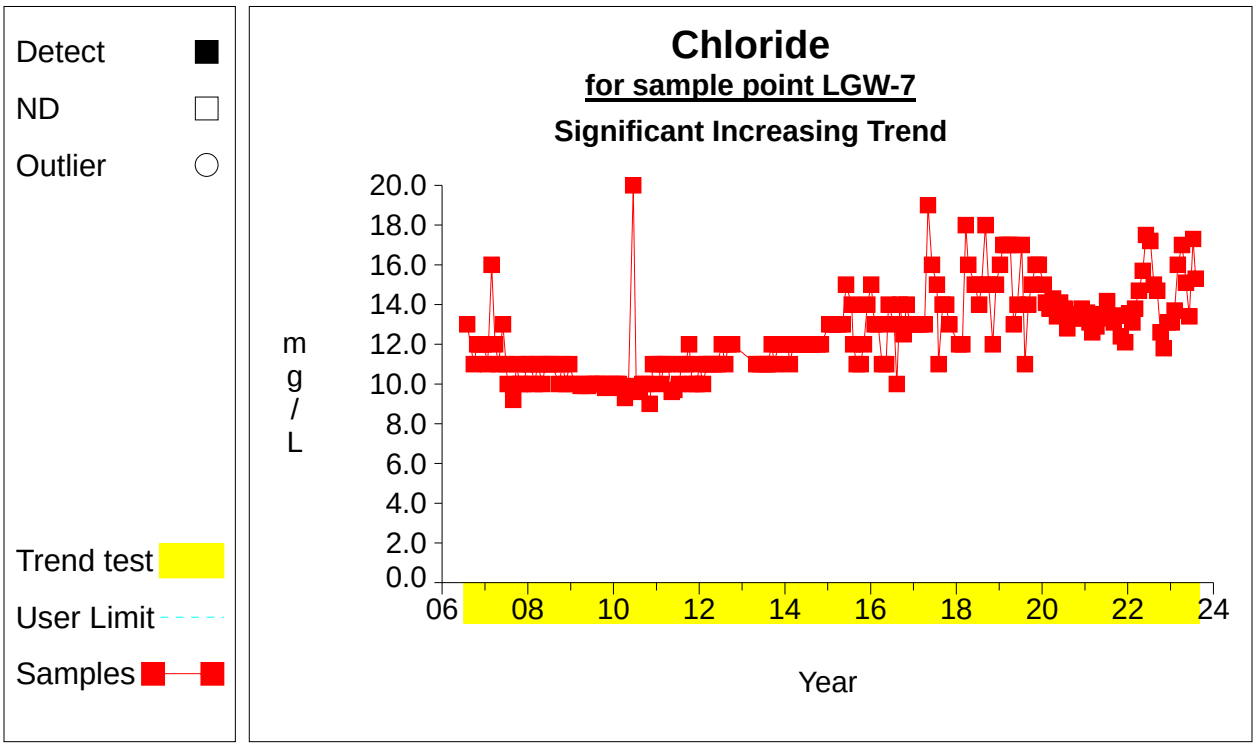

Detect
ND
Outlier
Trend test
User Limit
Samples
Chloride
for sample point LGW-4
mg/L
50.
45.
40.
35.
30.
25.
20.
15.
10.
5.
0.
06
08
10
12
14
16
18
20
22
24
Year

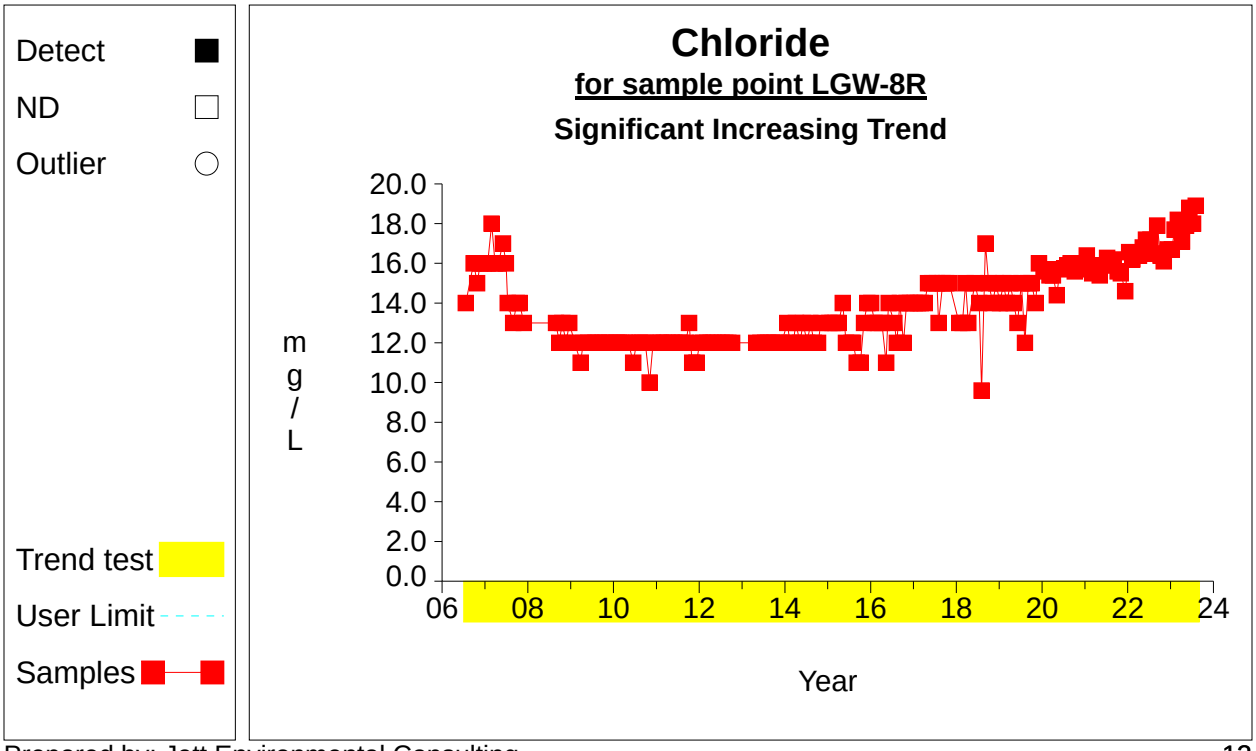
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Chloride
for sample point LGW-5
Significant Increasing Trend
mg/L
50.
45.
40.
35.
30.
25.
20.
15.
10.
5.
0.
06
08
10
12
14
16
18
20
22
24
Year

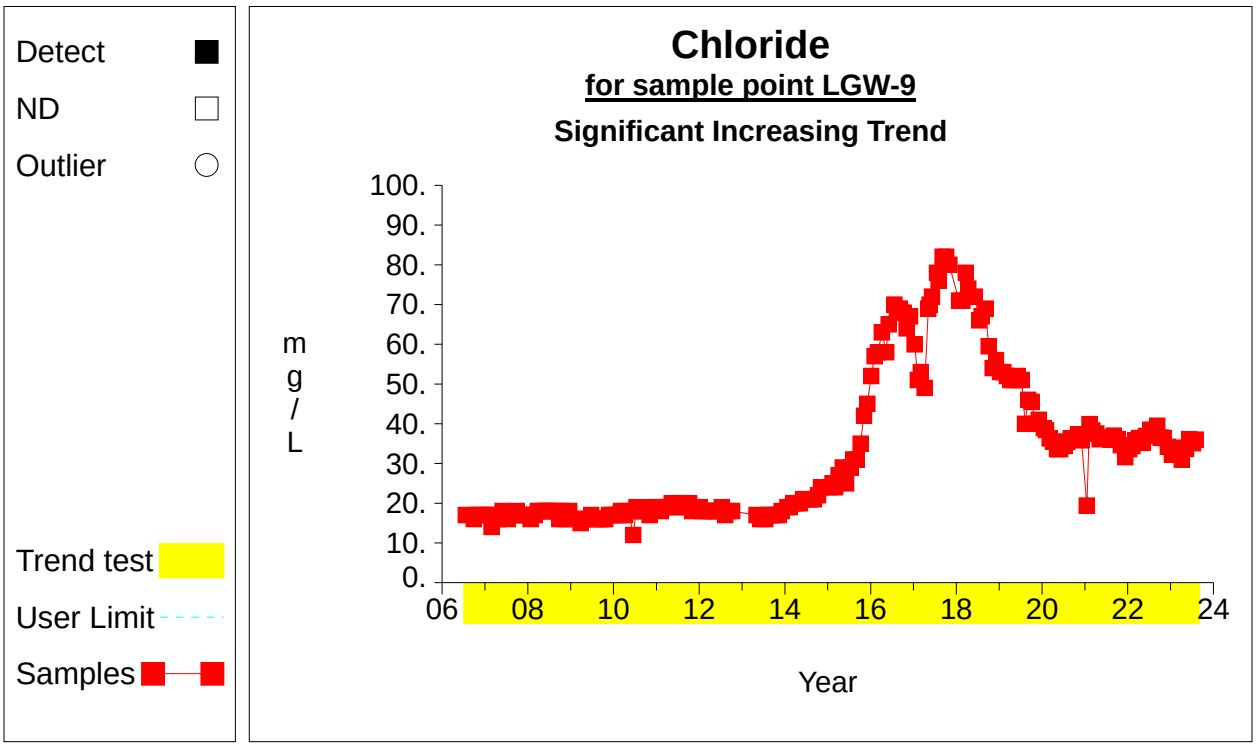

Detect
ND
Outlier
Trend test
User Limit
Samples
Chloride
for sample point LGW-6
mg/L
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
06
08
10
12
14
16
18
20
22
24
Year

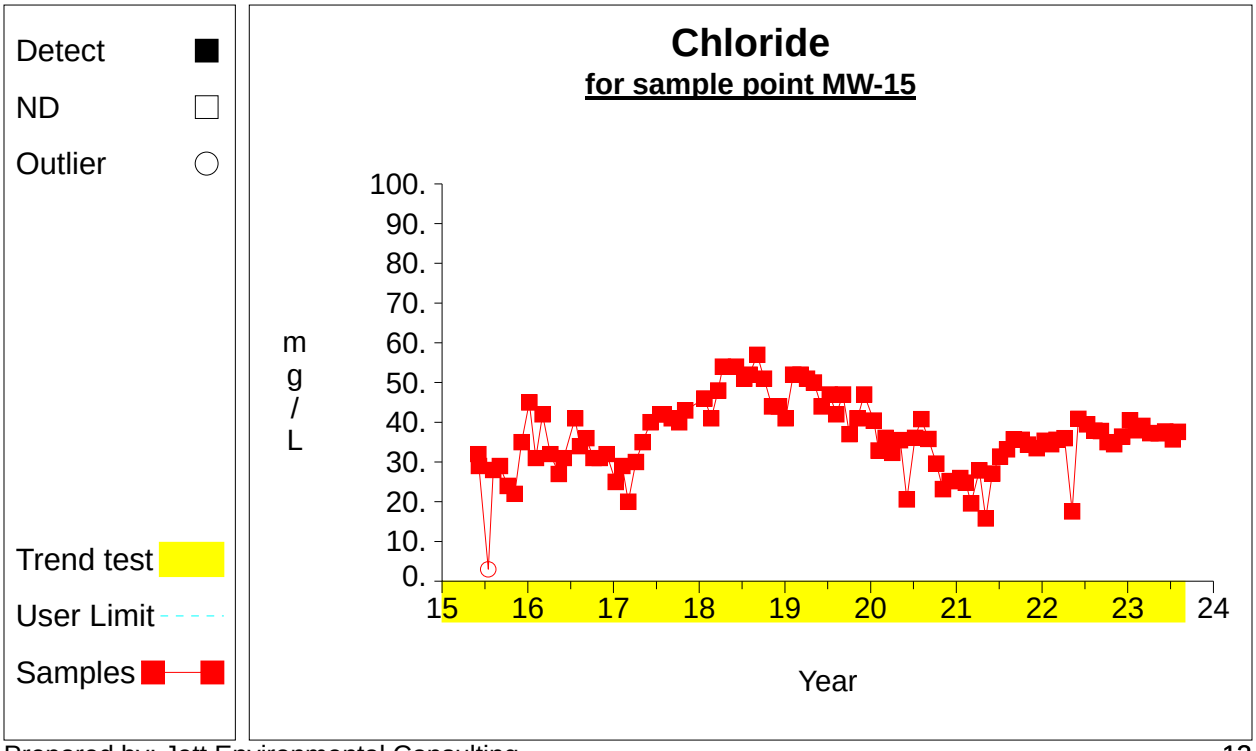
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Chloride
for sample point LGW-7
Significant Increasing Trend
mg/L
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
06
08
10
12
14
16
18
20
22
24
Year

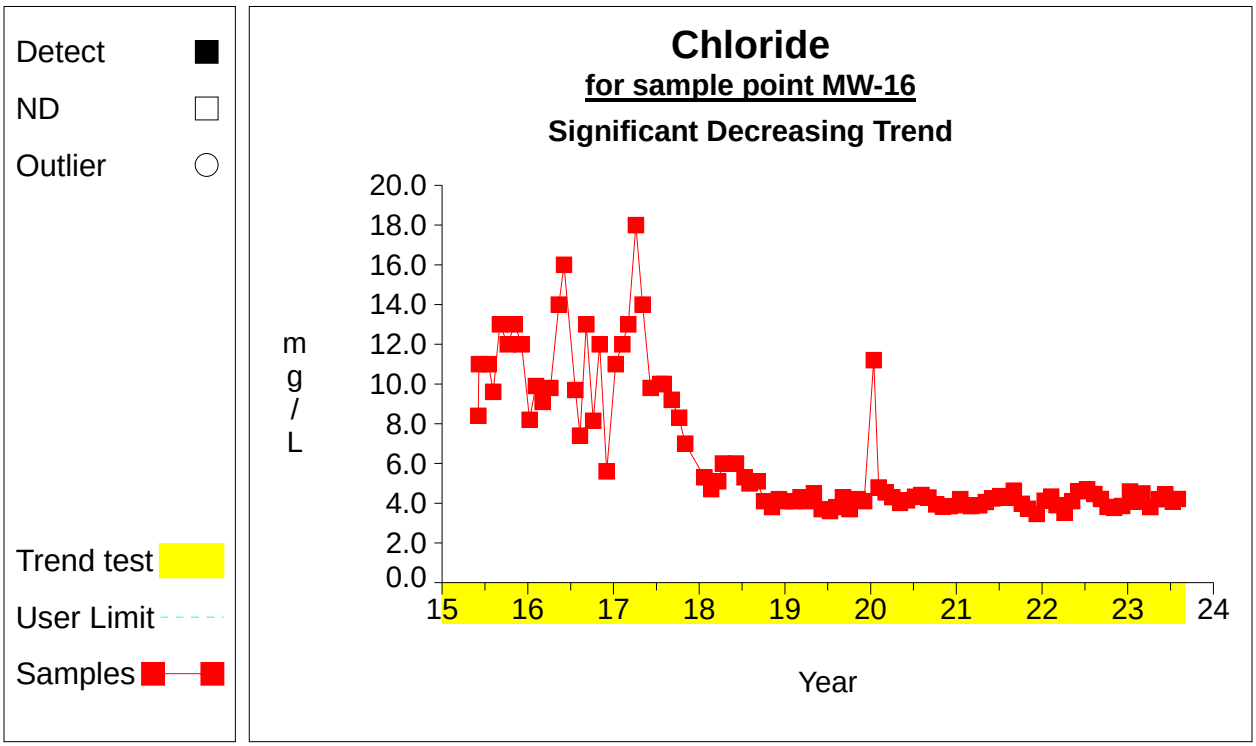

Detect
ND
Outlier
Trend test
User Limit
Samples
Chloride
for sample point LGW-8R
Significant Increasing Trend
mg/L
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
06
08
10
12
14
16
18
20
22
24
Year

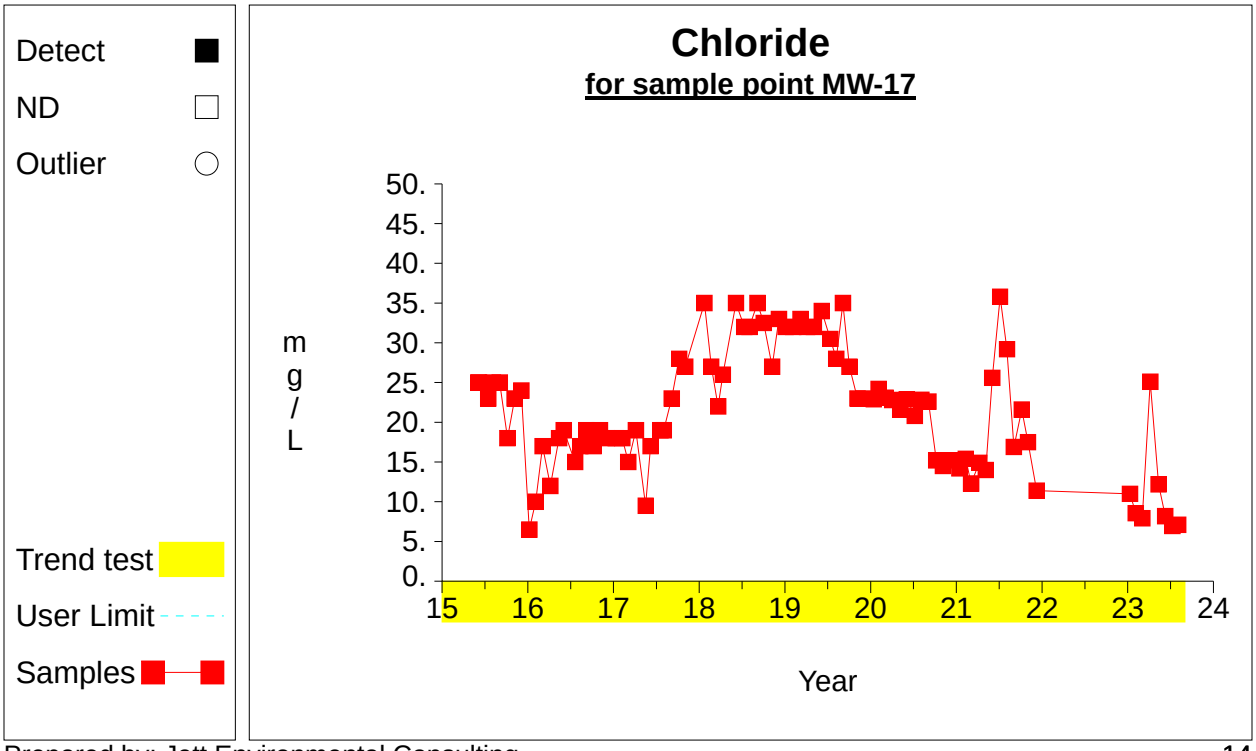
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Chloride
for sample point LGW-9
Significant Increasing Trend
mg/L
100.
90.
80.
70.
60.
50.
40.
30.
20.
10.
0.
06
08
10
12
14
16
18
20
22
24
Year

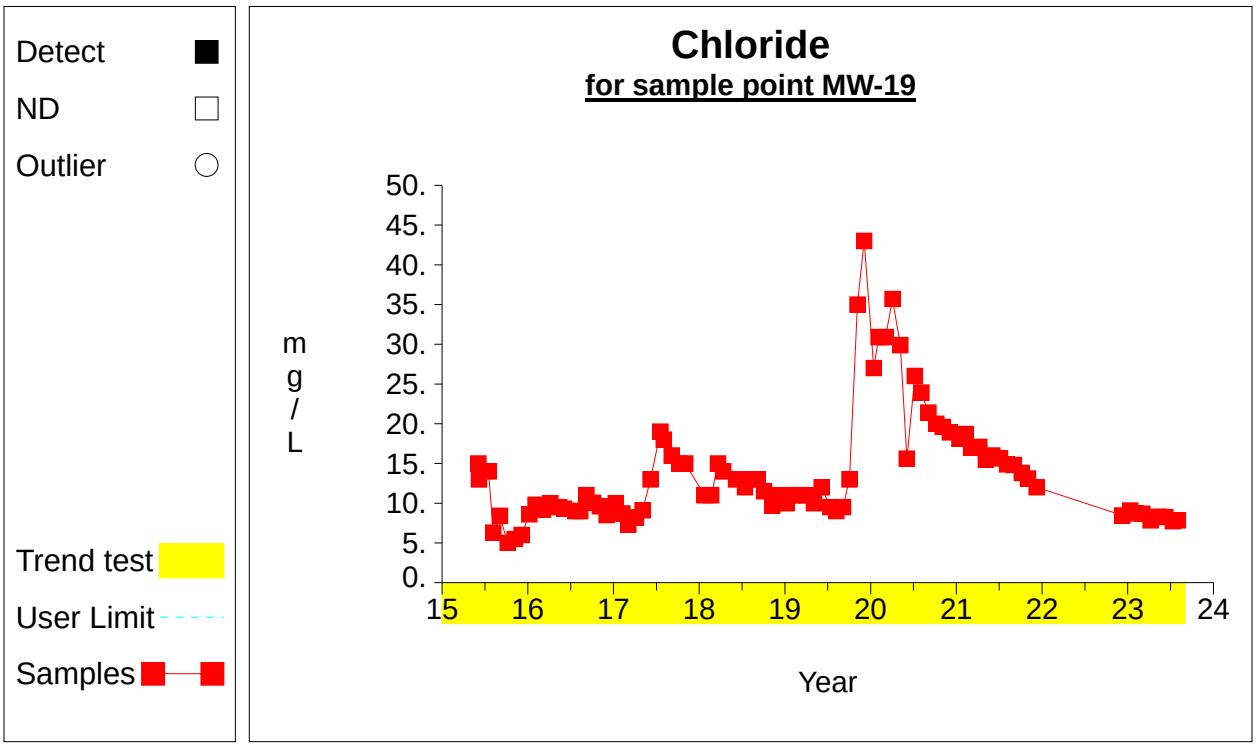

Detect
ND
Outlier
Trend test
User Limit
Samples
Chloride
for sample point MW-15
mg/L
100.
90.
80.
70.
60.
50.
40.
30.
20.
10.
0.
15
16
17
18
19
20
21
22
23
24
Year

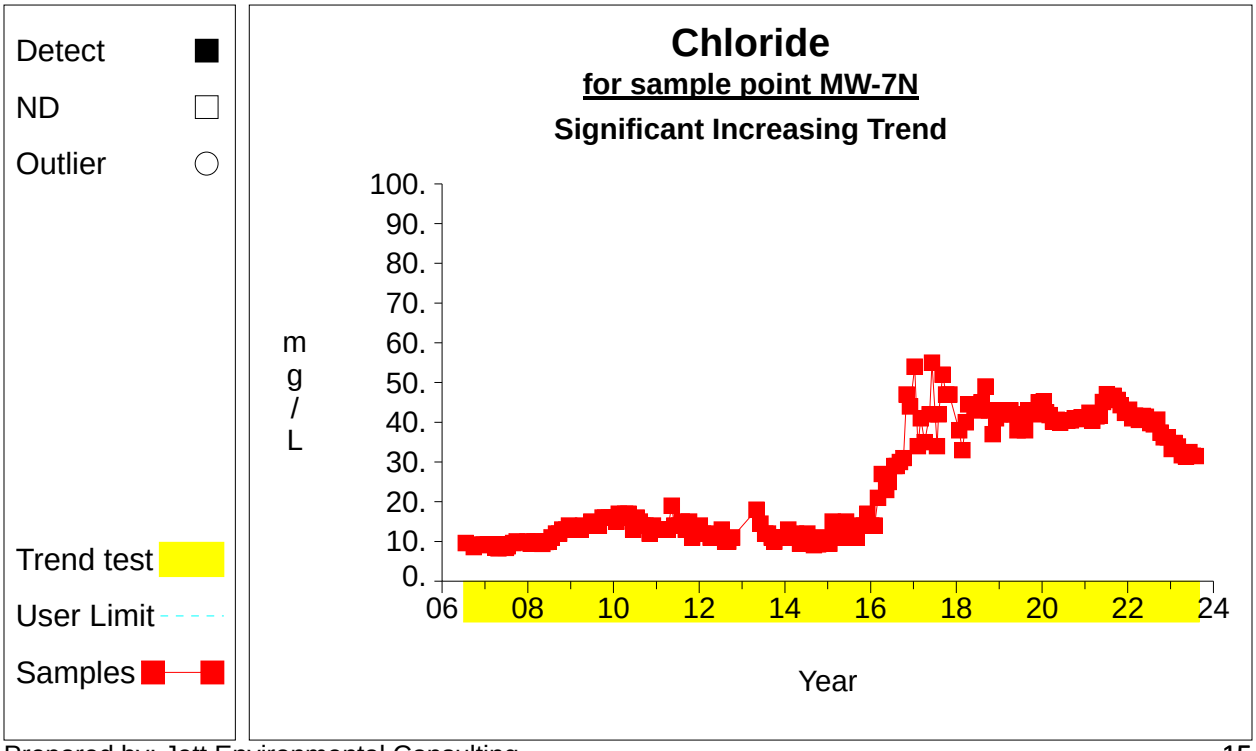
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Chloride
for sample point MW-16
Significant Decreasing Trend
mg/L
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
15
16
17
18
19
20
21
22
23
24
Year

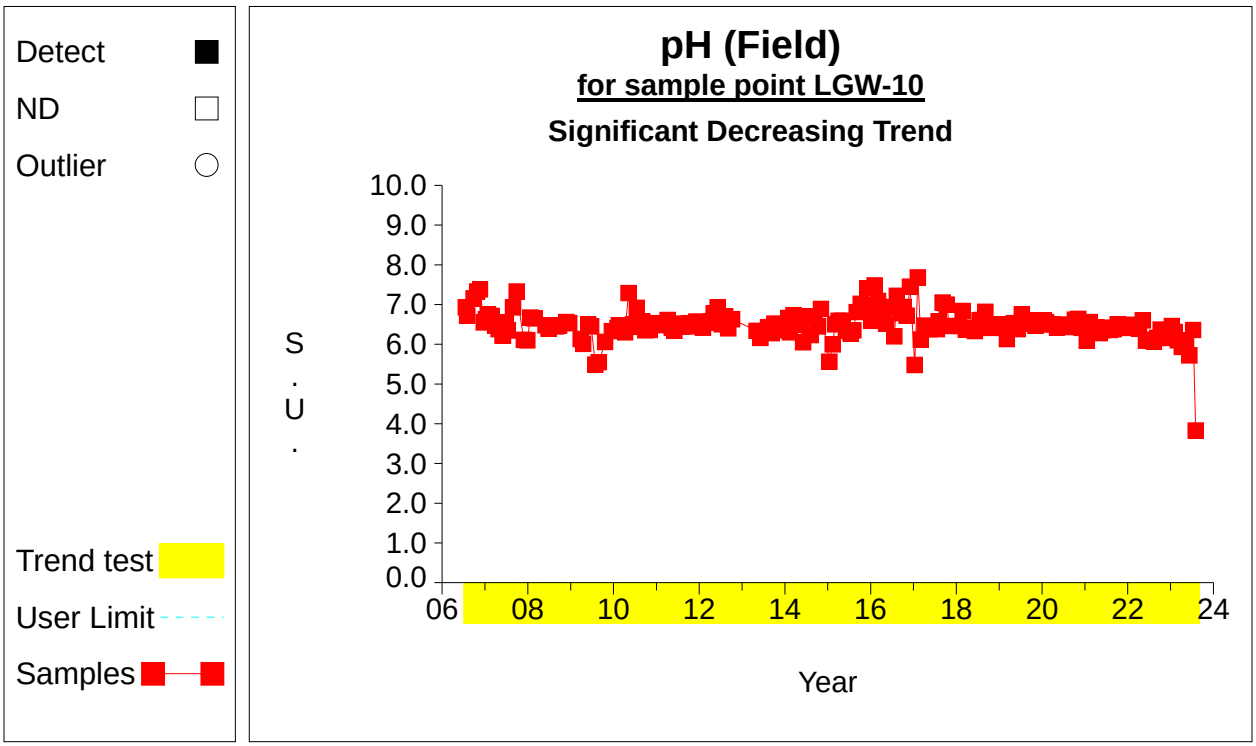

Detect
ND
Outlier
Trend test
User Limit
Samples
Chloride
for sample point MW-17
mg/L
50.
45.
40.
35.
30.
25.
20.
15.
10.
5.
0.
15
16
17
18
19
20
21
22
23
24
Year

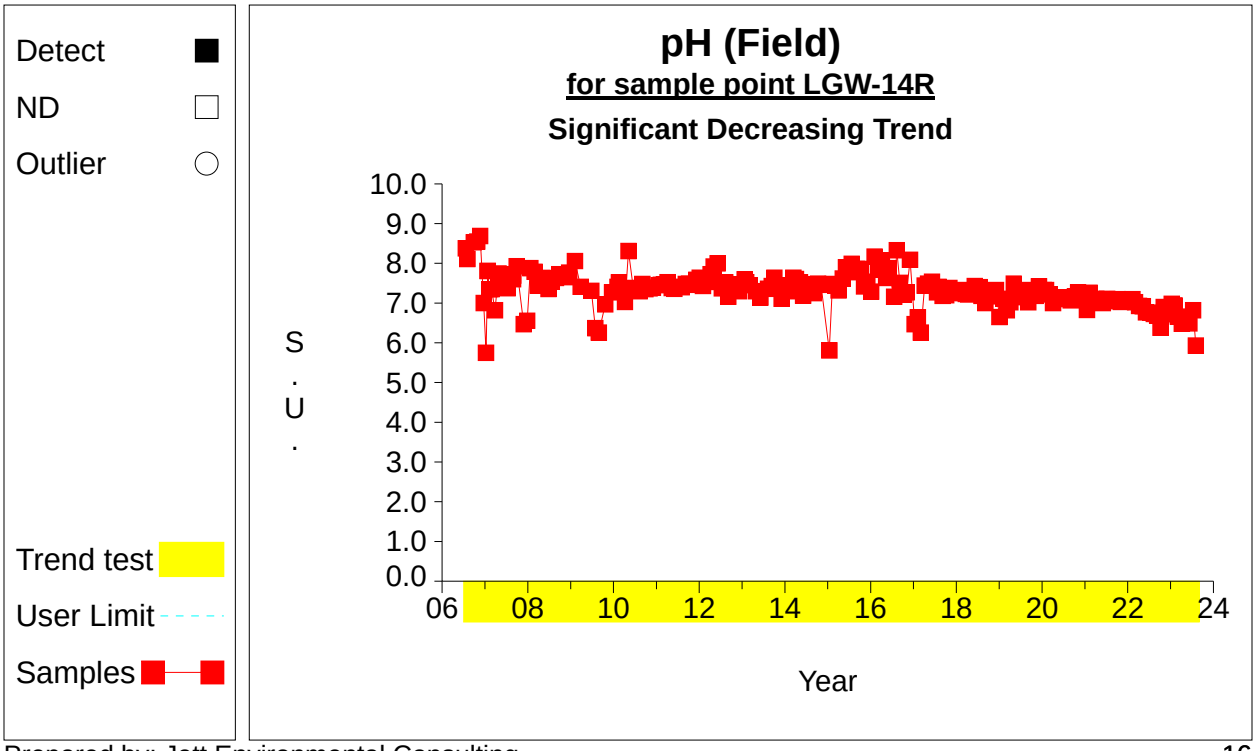
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Chloride
for sample point MW-19
mg/L
50.
45.
40.
35.
30.
25.
20.
15.
10.
5.
0.
15
16
17
18
19
20
21
22
23
24
Year

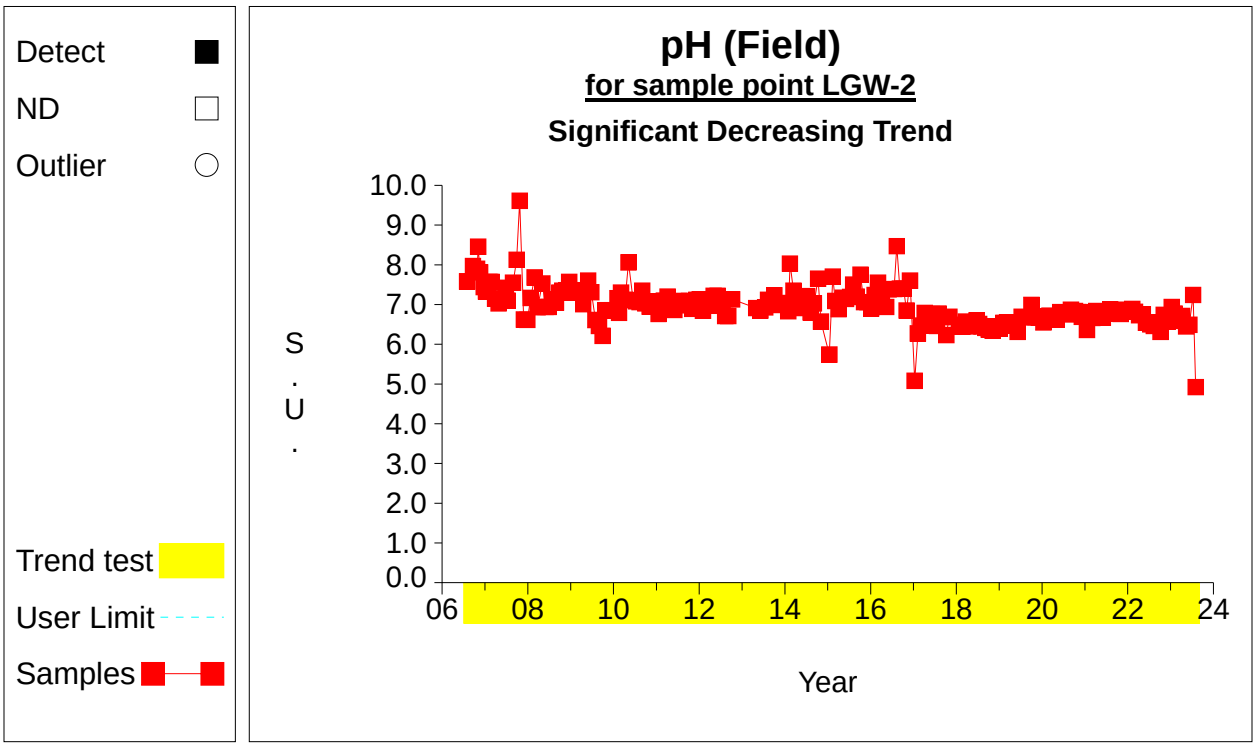

Detect
ND
Outlier
Trend test
User Limit
Samples
Chloride
for sample point MW-7N
Significant Increasing Trend
mg/L
100.
90.
80.
70.
60.
50.
40.
30.
20.
10.
0.
06
08
10
12
14
16
18
20
22
24
Year

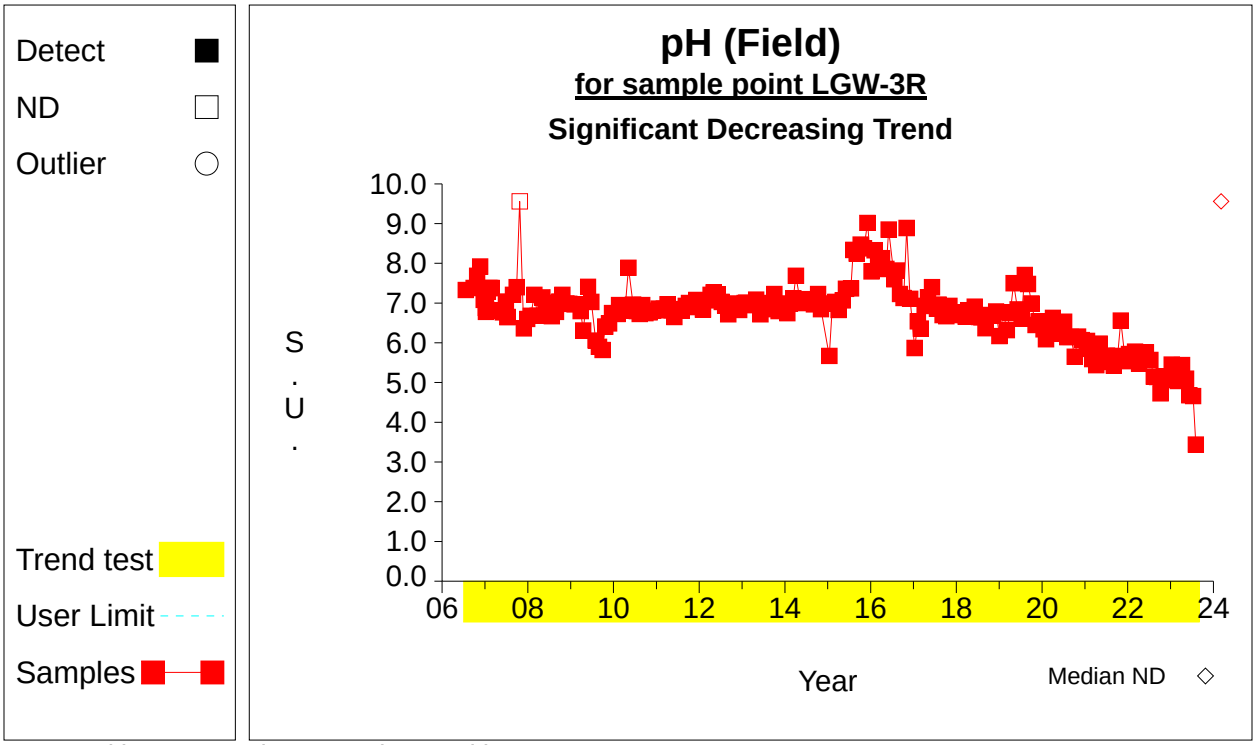
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
pH (Field)
for sample point LGW-10
Significant Decreasing Trend
S.U.
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
06
08
10
12
14
16
18
20
22
24
Year

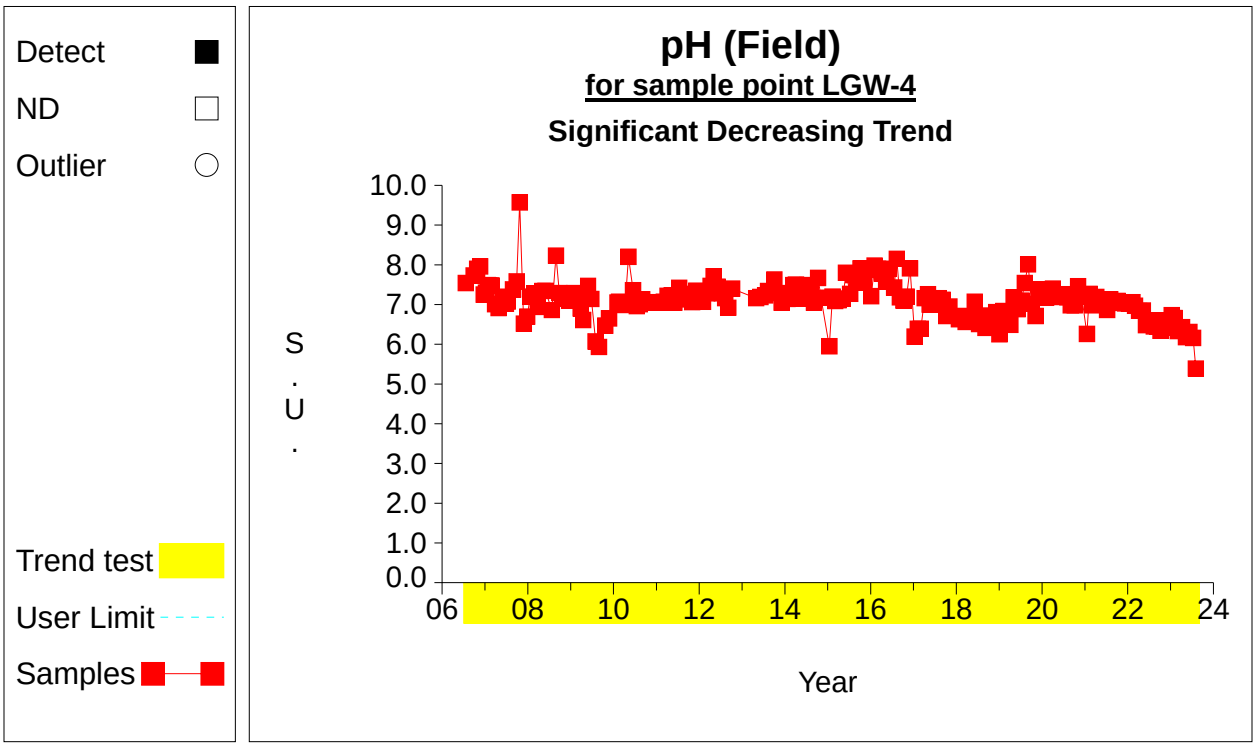

Detect
ND
Outlier
Trend test
User Limit
Samples
pH (Field)
for sample point LGW-14R
Significant Decreasing Trend
S.U.
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
06
08
10
12
14
16
18
20
22
24
Year

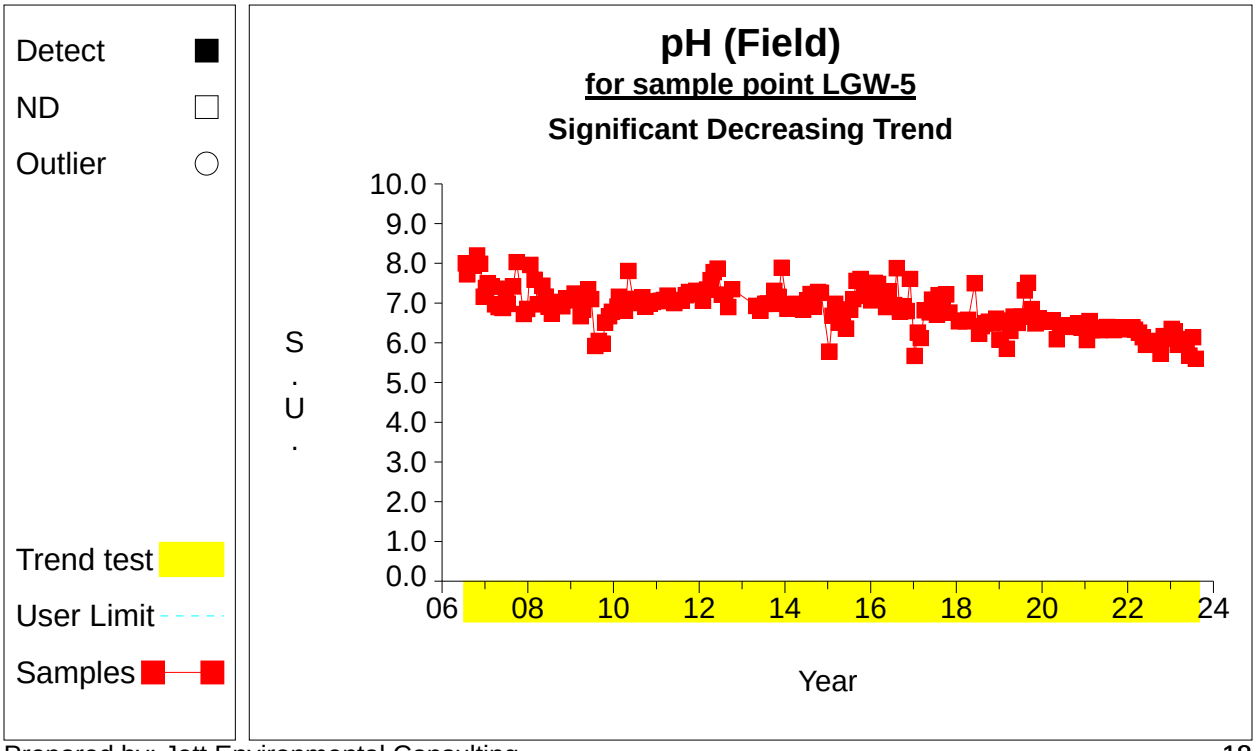
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
pH (Field)
for sample point LGW-2
Significant Decreasing Trend
S.U.
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
06
08
10
12
14
16
18
20
22
24
Year

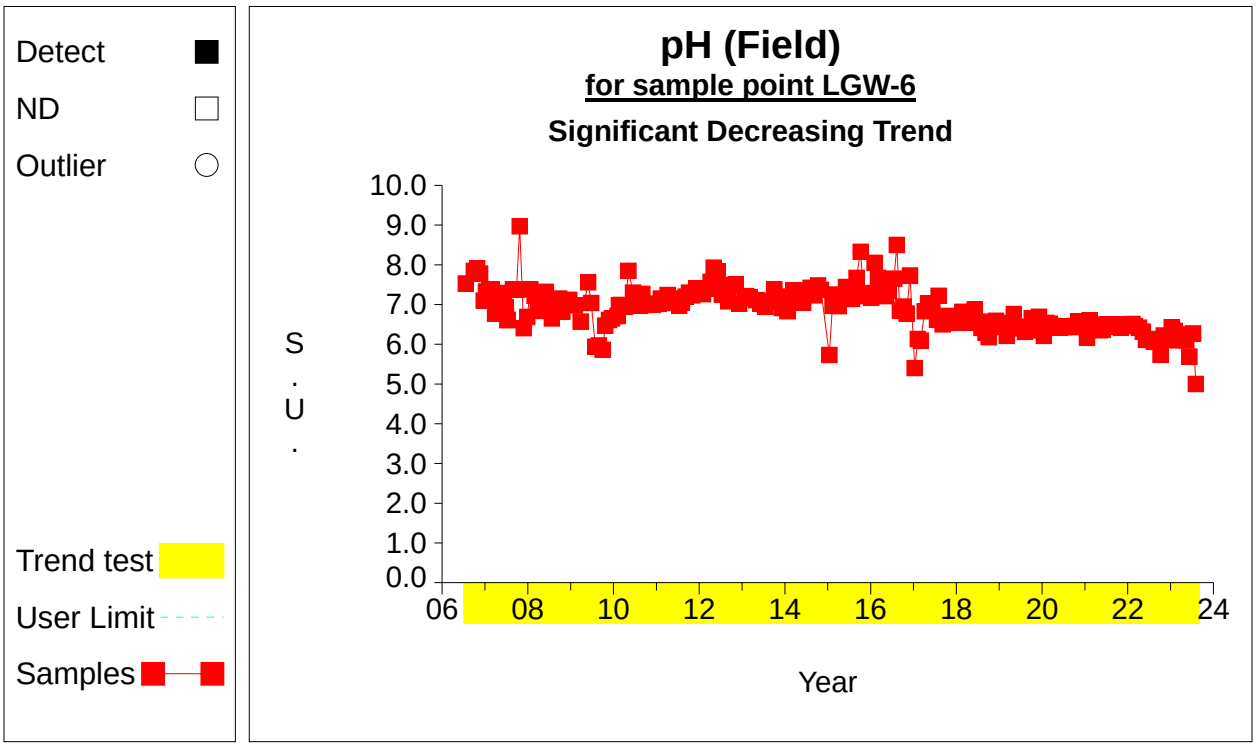

Detect
ND
Outlier
Trend test
User Limit
Samples
pH (Field)
for sample point LGW-3R
Significant Decreasing Trend
S.U.
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
06
08
10
12
14
16
18
20
22
24
Year
Median ND

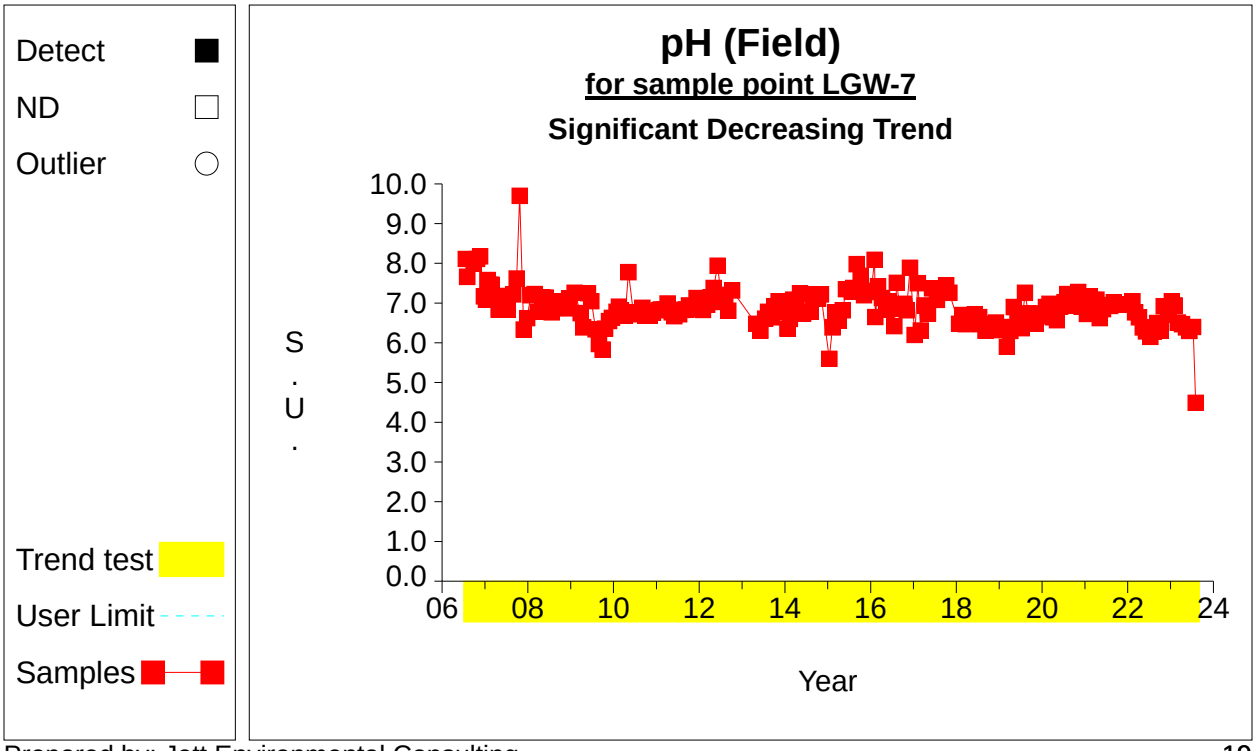
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
pH (Field)
for sample point LGW-4
Significant Decreasing Trend
S.U.
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
06
08
10
12
14
16
18
20
22
24
Year

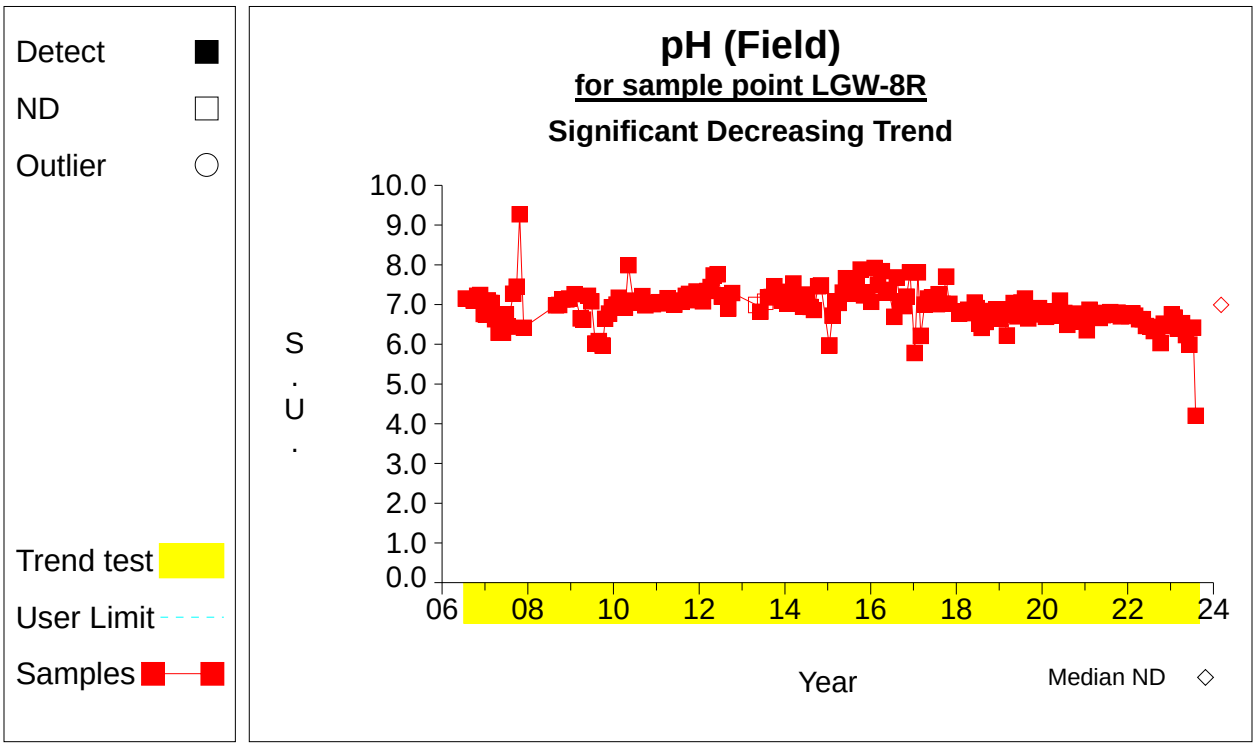

Detect
ND
Outlier
Trend test
User Limit
Samples
pH (Field)
for sample point LGW-5
Significant Decreasing Trend
S.U.
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
06
08
10
12
14
16
18
20
22
24
Year

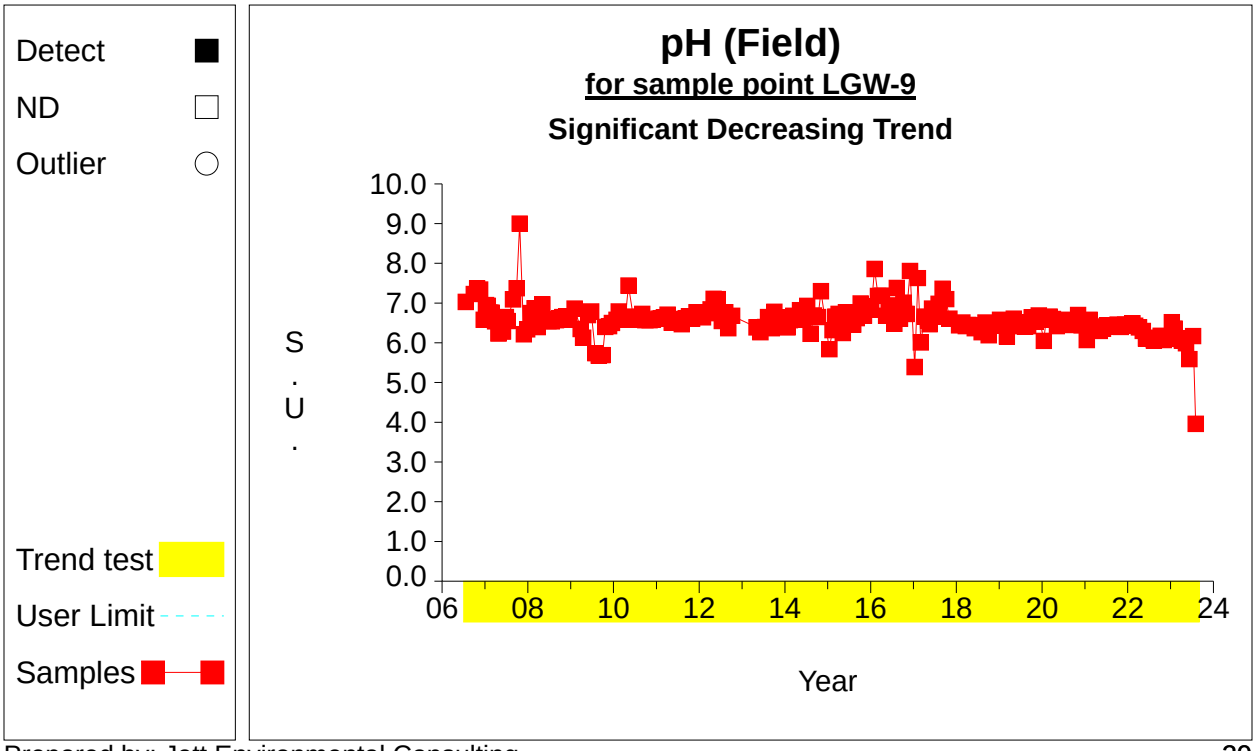
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
pH (Field)
for sample point LGW-6
Significant Decreasing Trend
S.U.
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
06
08
10
12
14
16
18
20
22
24
Year

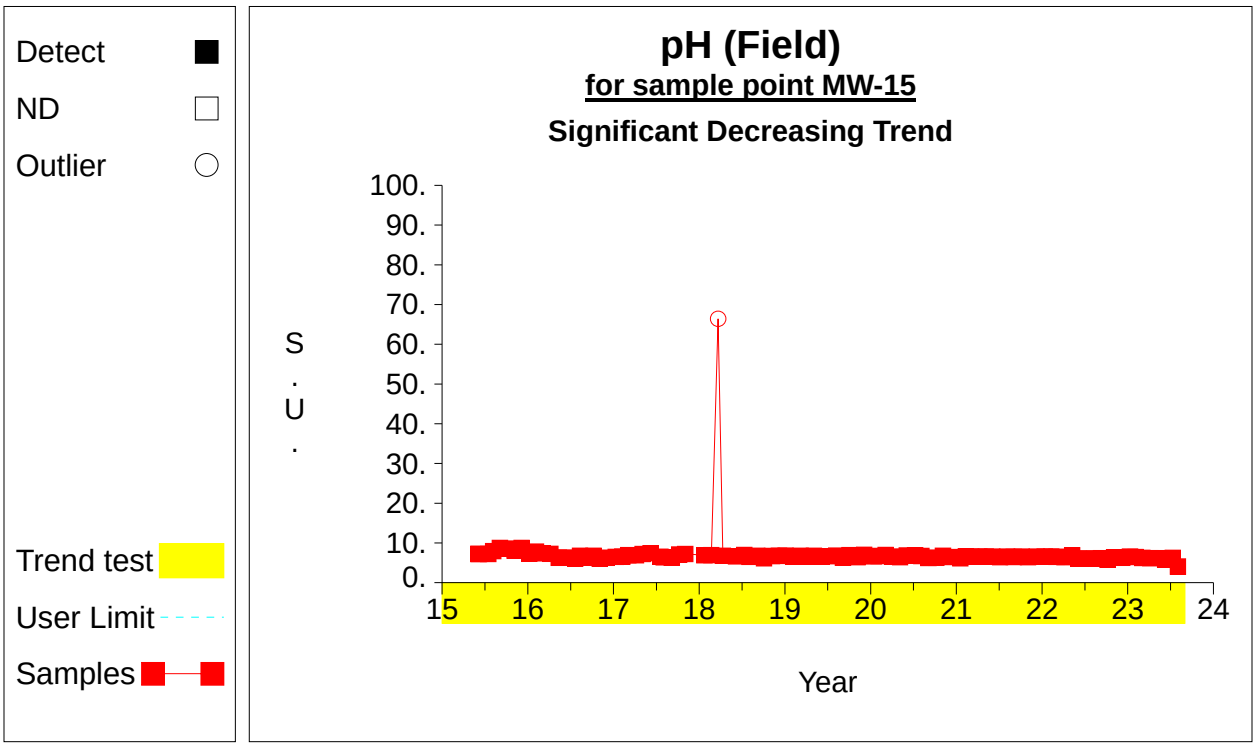

Detect
ND
Outlier
Trend test
User Limit
Samples
pH (Field)
for sample point LGW-7
Significant Decreasing Trend
S.U.
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
06
08
10
12
14
16
18
20
22
24
Year

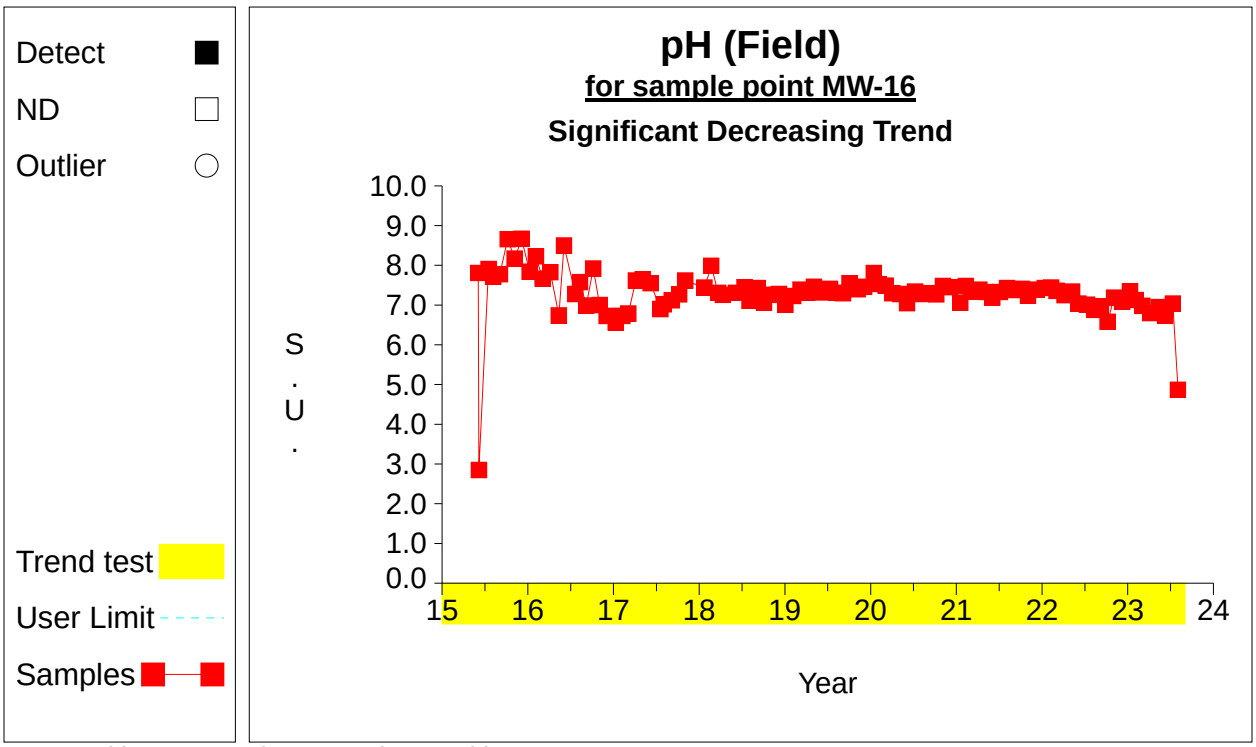
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
pH (Field)
for sample point LGW-8R
Significant Decreasing Trend
S.U.
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
06
08
10
12
14
16
18
20
22
24
Year
Median ND

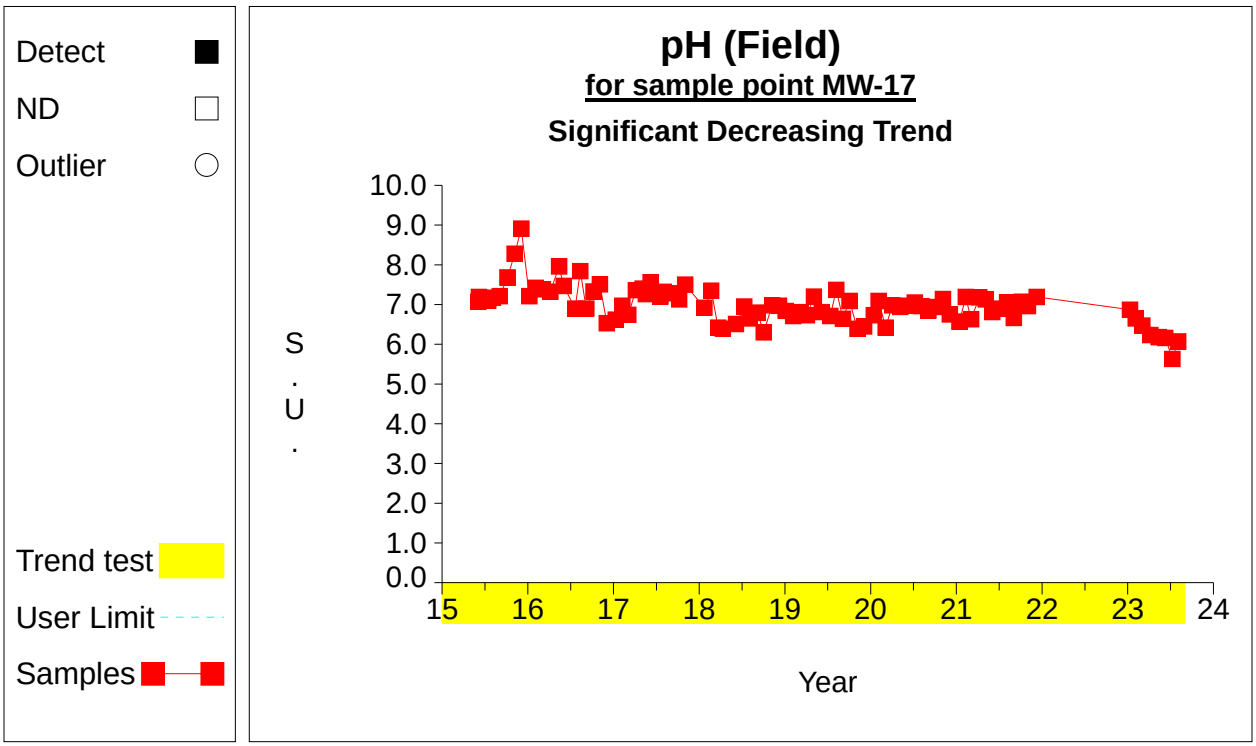

Detect
ND
Outlier
Trend test
User Limit
Samples
pH (Field)
for sample point LGW-9
Significant Decreasing Trend
S.U.
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
06
08
10
12
14
16
18
20
22
24
Year

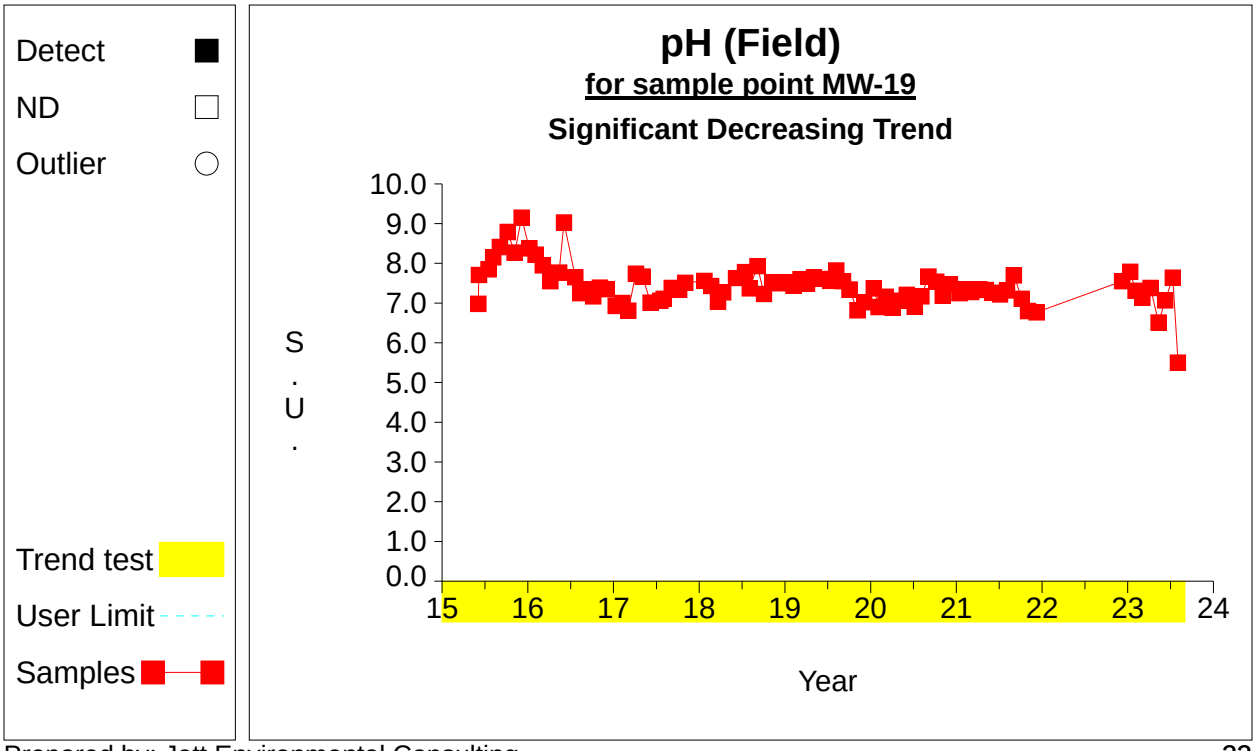
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
pH (Field)
for sample point MW-15
Significant Decreasing Trend
S.U.
100.
90.
80.
70.
60.
50.
40.
30.
20.
10.
0.
15
16
17
18
19
20
21
22
23
24
Year

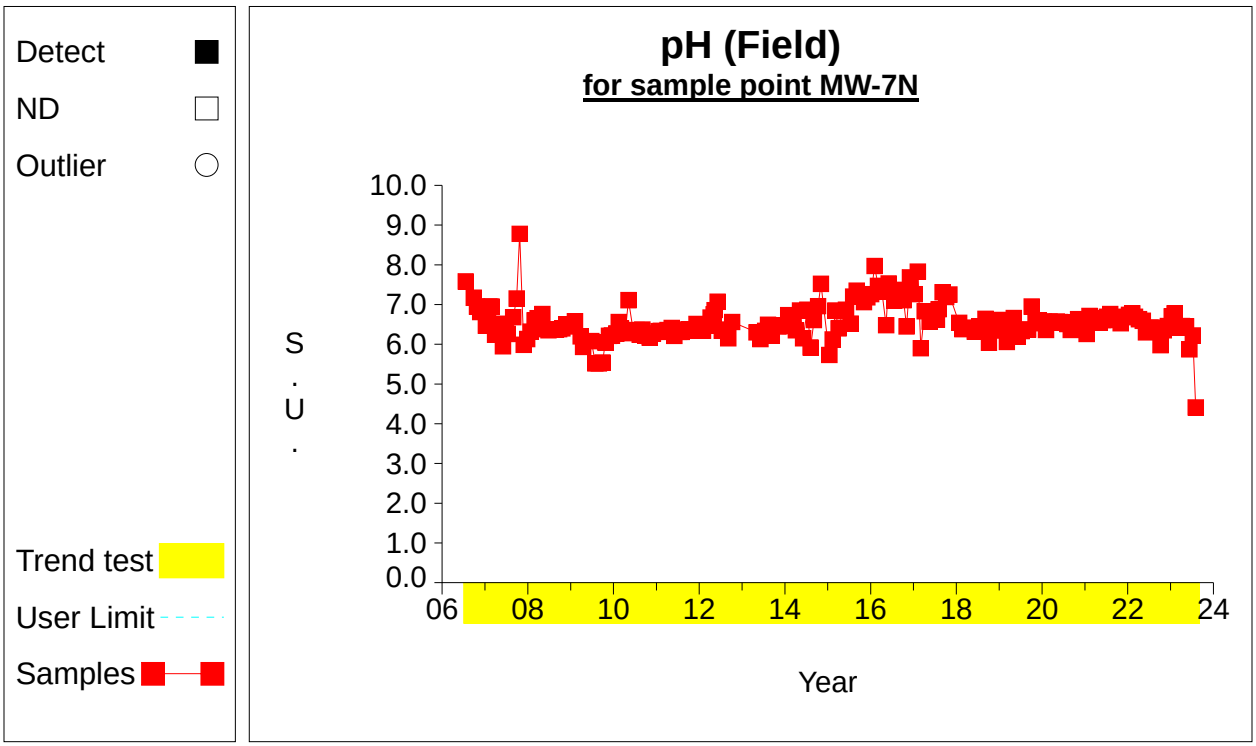

Detect
ND
Outlier
Trend test
User Limit
Samples
pH (Field)
for sample point MW-16
Significant Decreasing Trend
S.U.
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
15
16
17
18
19
20
21
22
23
24
Year

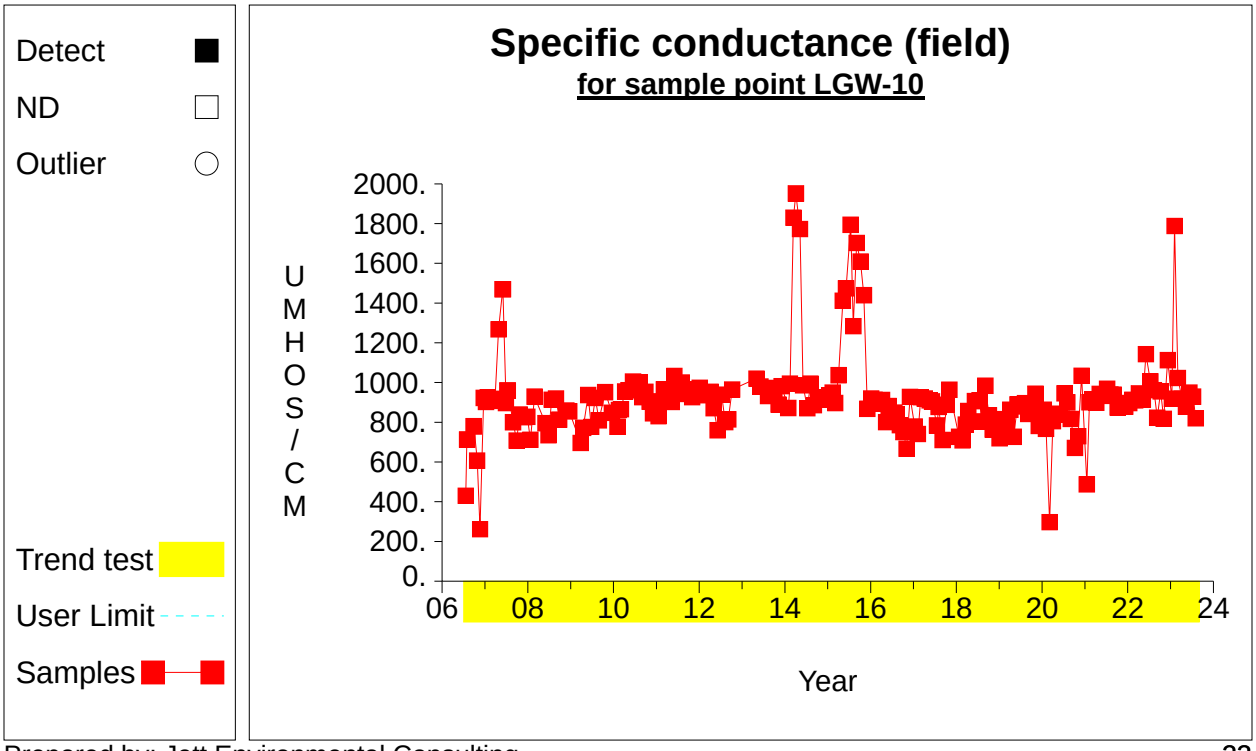
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
pH (Field)
for sample point MW-17
Significant Decreasing Trend
S.U.
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
15
16
17
18
19
20
21
22
23
24
Year

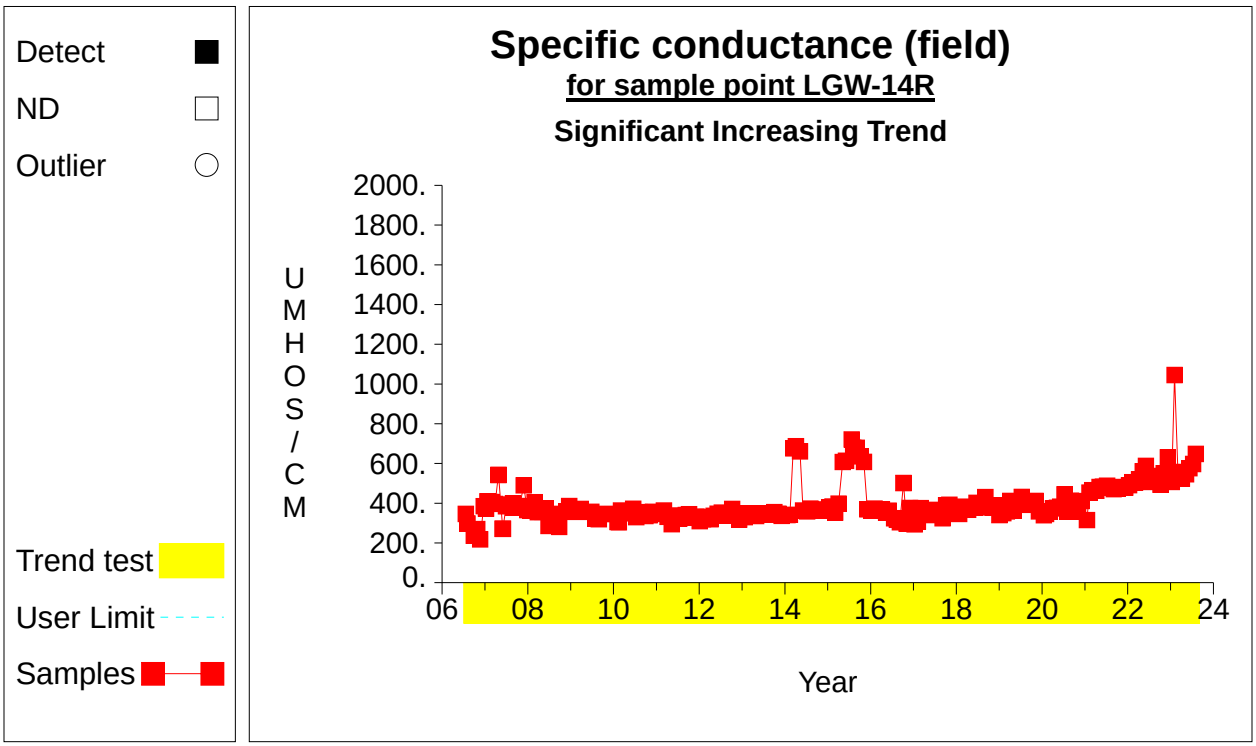

Detect
ND
Outlier
Trend test
User Limit
Samples
pH (Field)
for sample point MW-19
Significant Decreasing Trend
S.U.
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
15
16
17
18
19
20
21
22
23
24
Year

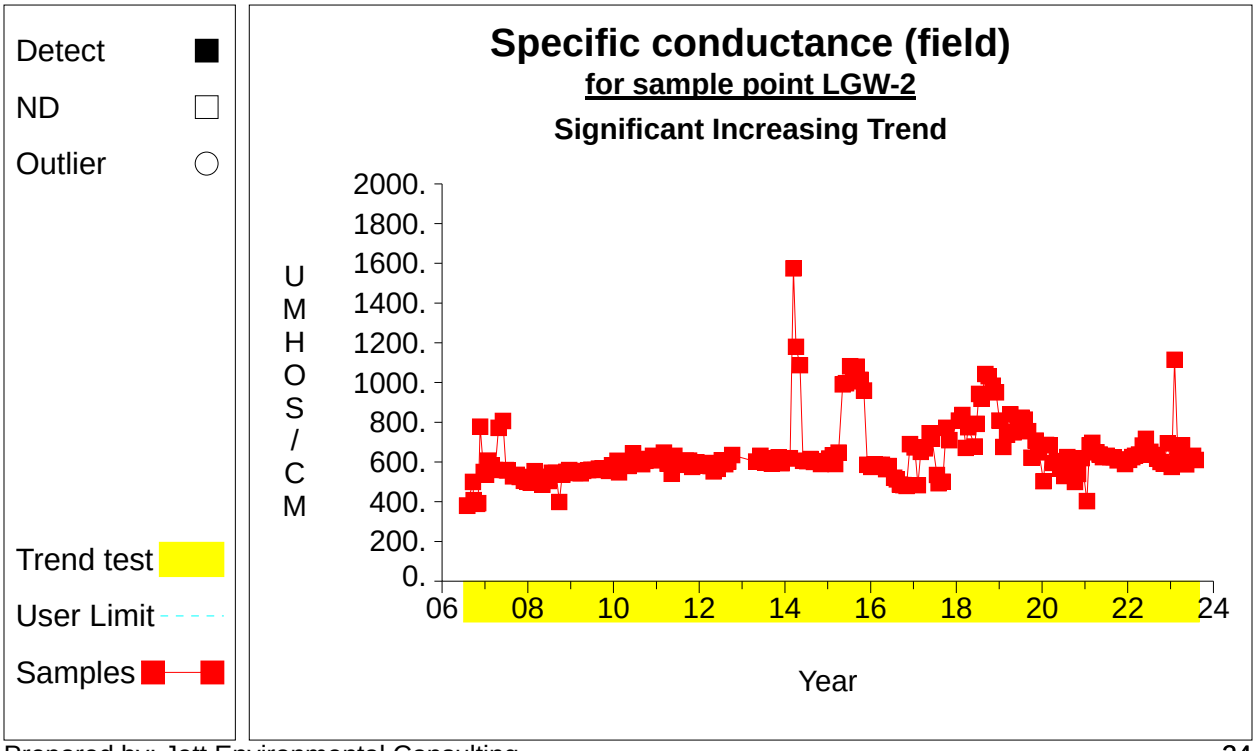
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
pH (Field)
for sample point MW-7N
S.U.
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
06
08
10
12
14
16
18
20
22
24
Year

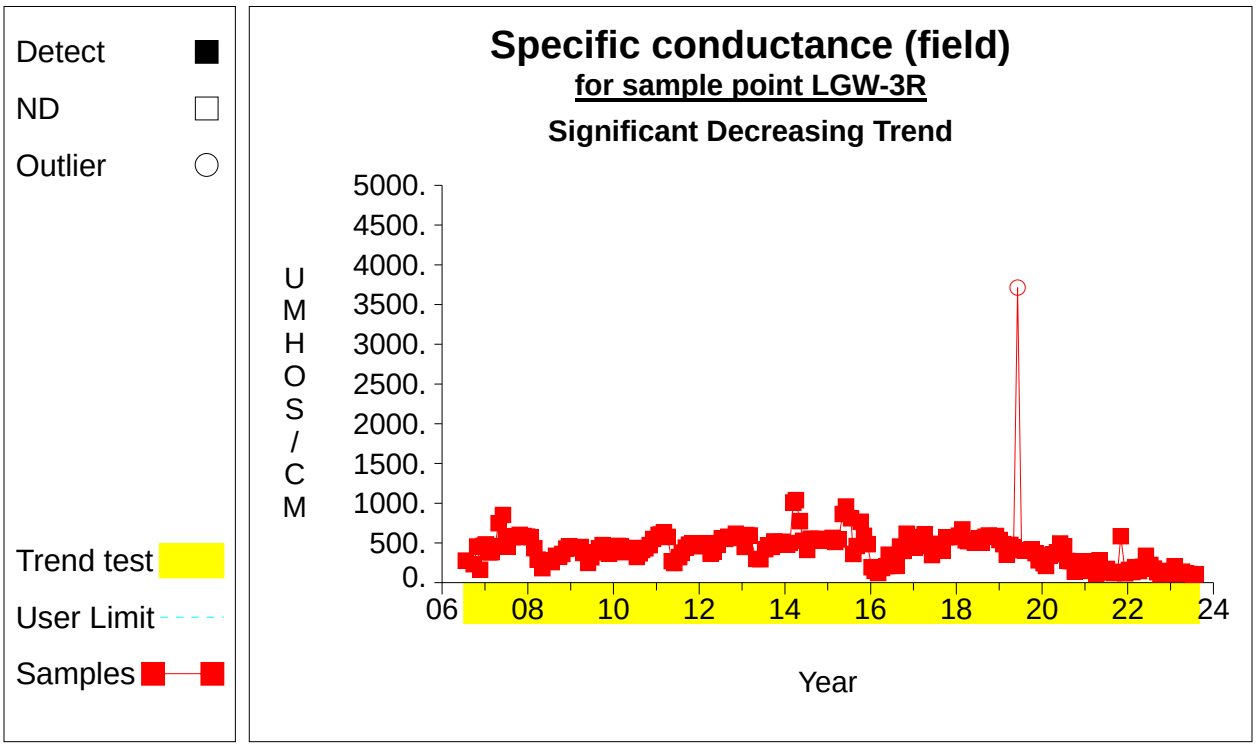

Detect
ND
Outlier
Trend test
User Limit
Samples
Specific conductance (field)
for sample point LGW-10
UMHOS/CM
2000.
1800.
1600.
1400.
1200.
1000.
800.
600.
400.
200.
0.
06
08
10
12
14
16
18
20
22
24
Year

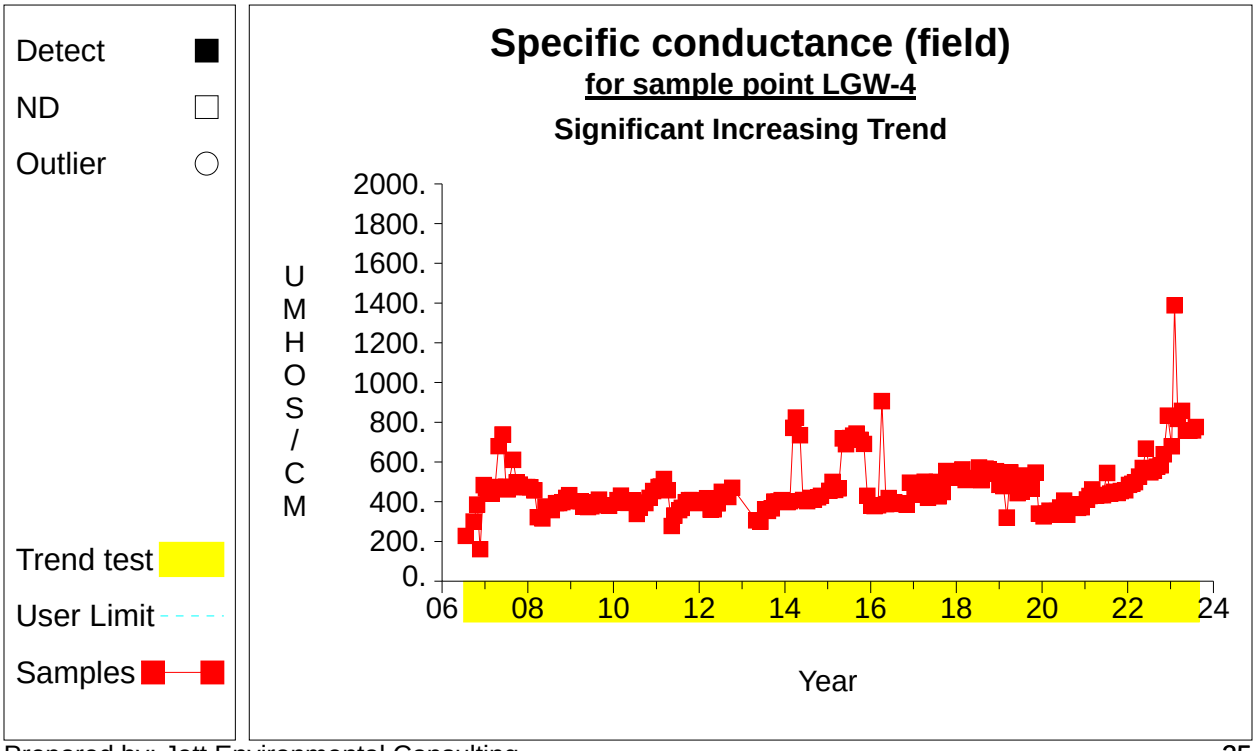
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Specific conductance (field)
for sample point LGW-14R
Significant Increasing Trend
UMHOS/CM
2000.
1800.
1600.
1400.
1200.
1000.
800.
600.
400.
200.
0.
06
08
10
12
14
16
18
20
22
24
Year

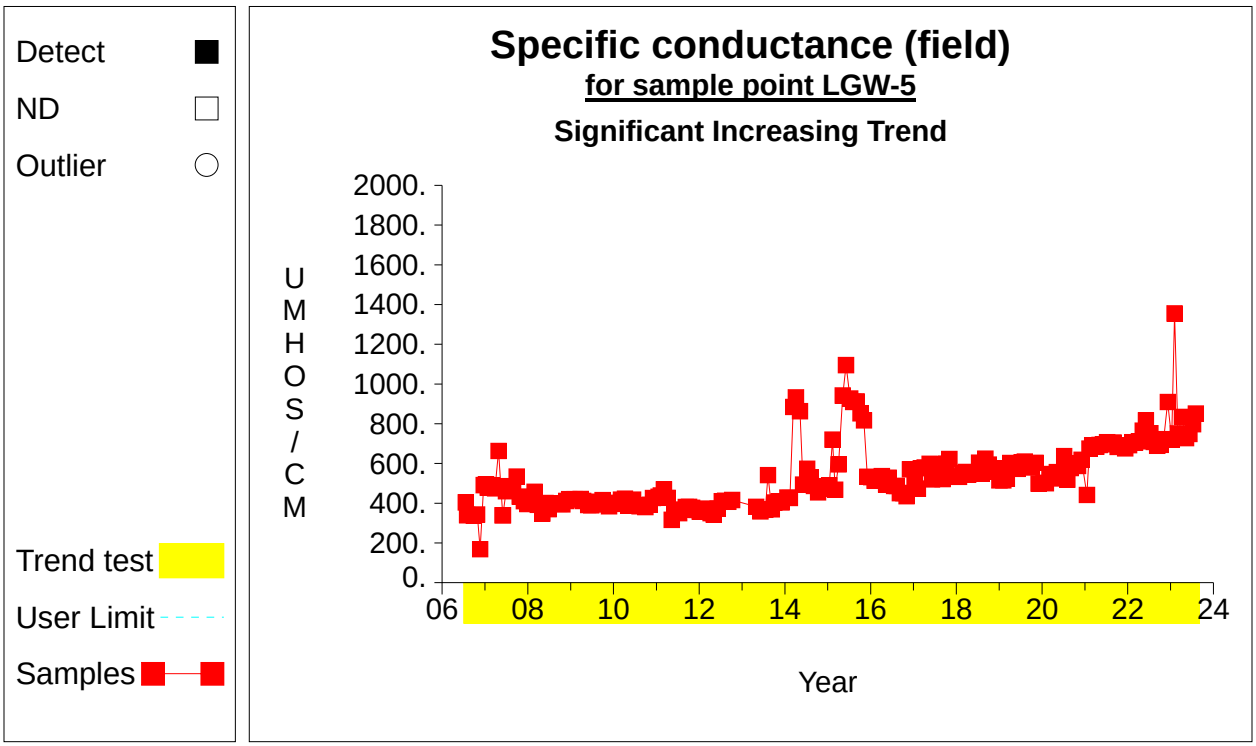

Detect
ND
Outlier
Trend test
User Limit
Samples
Specific conductance (field)
for sample point LGW-2
Significant Increasing Trend
UMHOS/CM
2000.
1800.
1600.
1400.
1200.
1000.
800.
600.
400.
200.
0.
06
08
10
12
14
16
18
20
22
24
Year

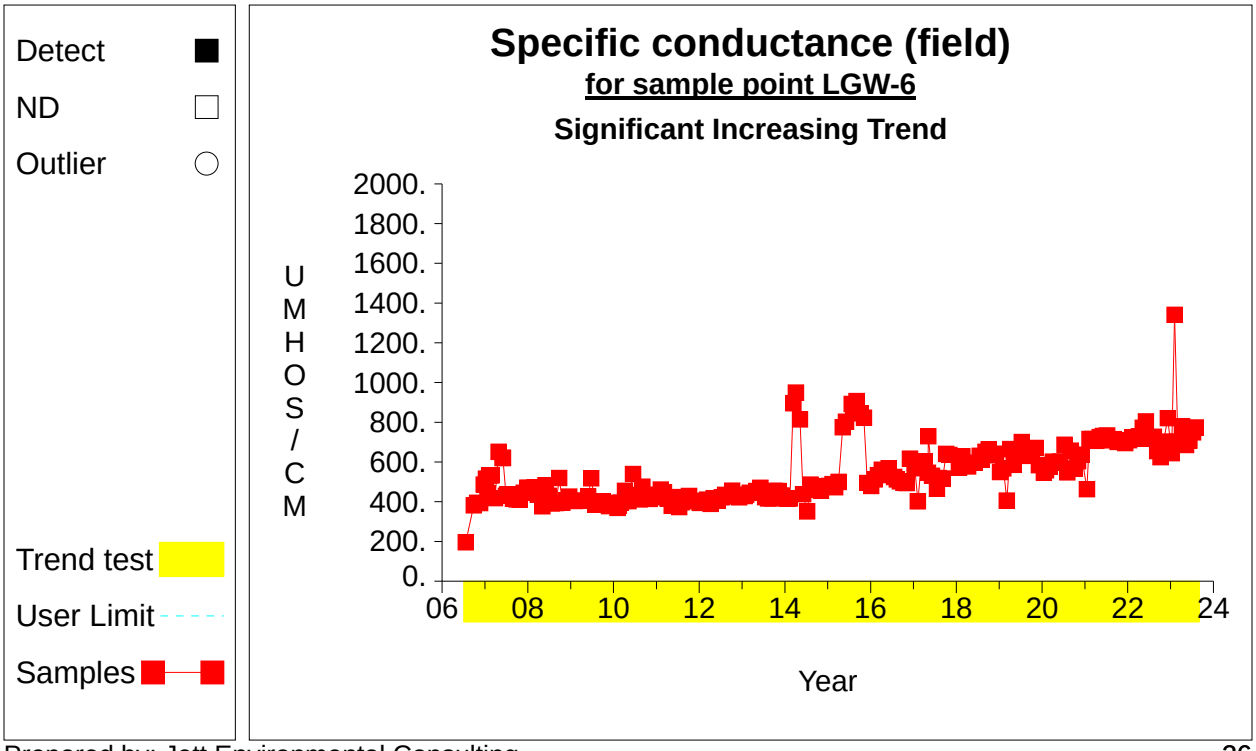
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Specific conductance (field)
for sample point LGW-3R
Significant Decreasing Trend
UMHOS/CM
5000.
4500.
4000.
3500.
3000.
2500.
2000.
1500.
1000.
500.
0.
06
08
10
12
14
16
18
20
22
24
Year

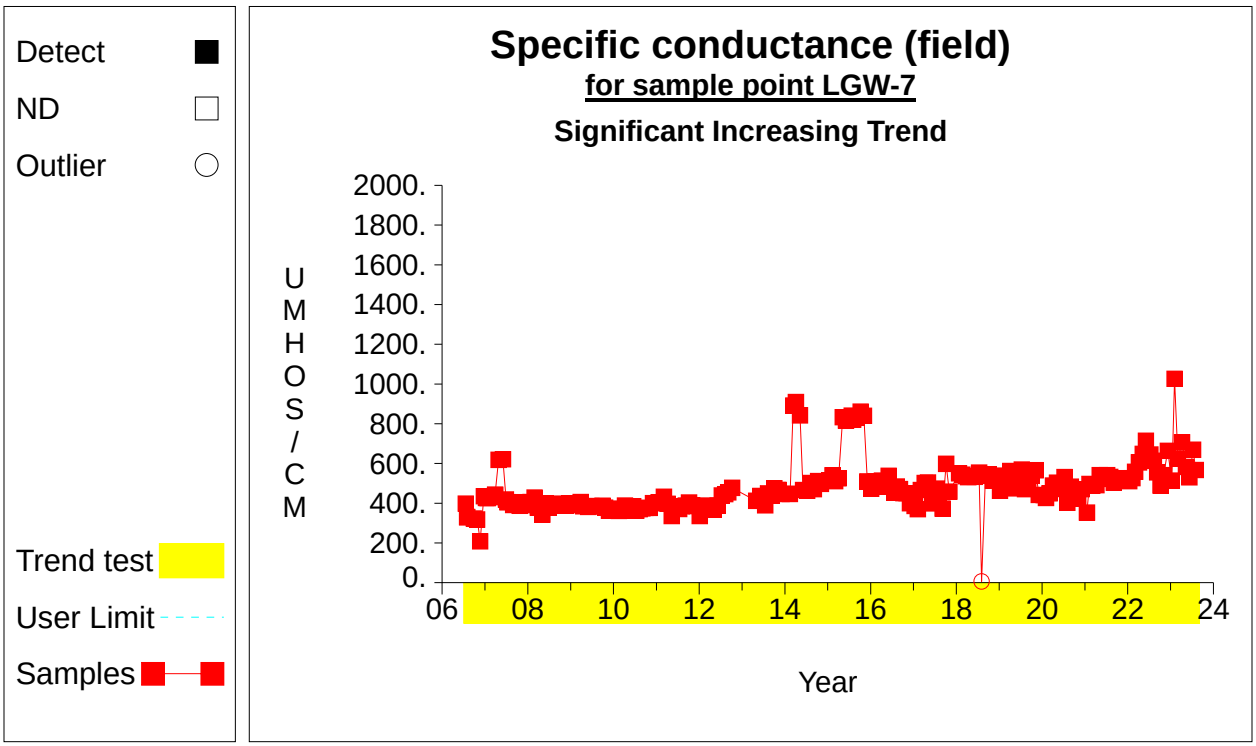

Detect
ND
Outlier
Trend test
User Limit
Samples
Specific conductance (field)
for sample point LGW-4
Significant Increasing Trend
UMHOS/CM
2000.
1800.
1600.
1400.
1200.
1000.
800.
600.
400.
200.
0.
06
08
10
12
14
16
18
20
22
24
Year

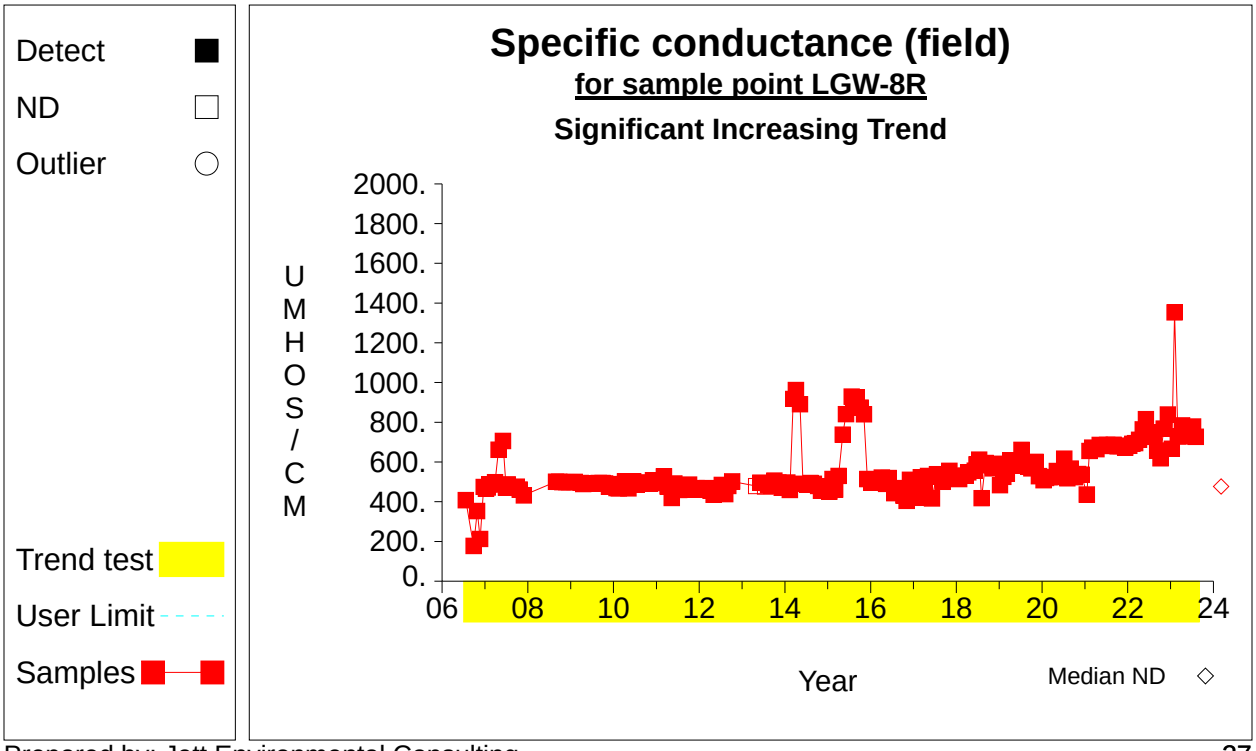
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Specific conductance (field)
for sample point LGW-5
Significant Increasing Trend
UMHOS/CM
2000.
1800.
1600.
1400.
1200.
1000.
800.
600.
400.
200.
0.
06
08
10
12
14
16
18
20
22
24
Year

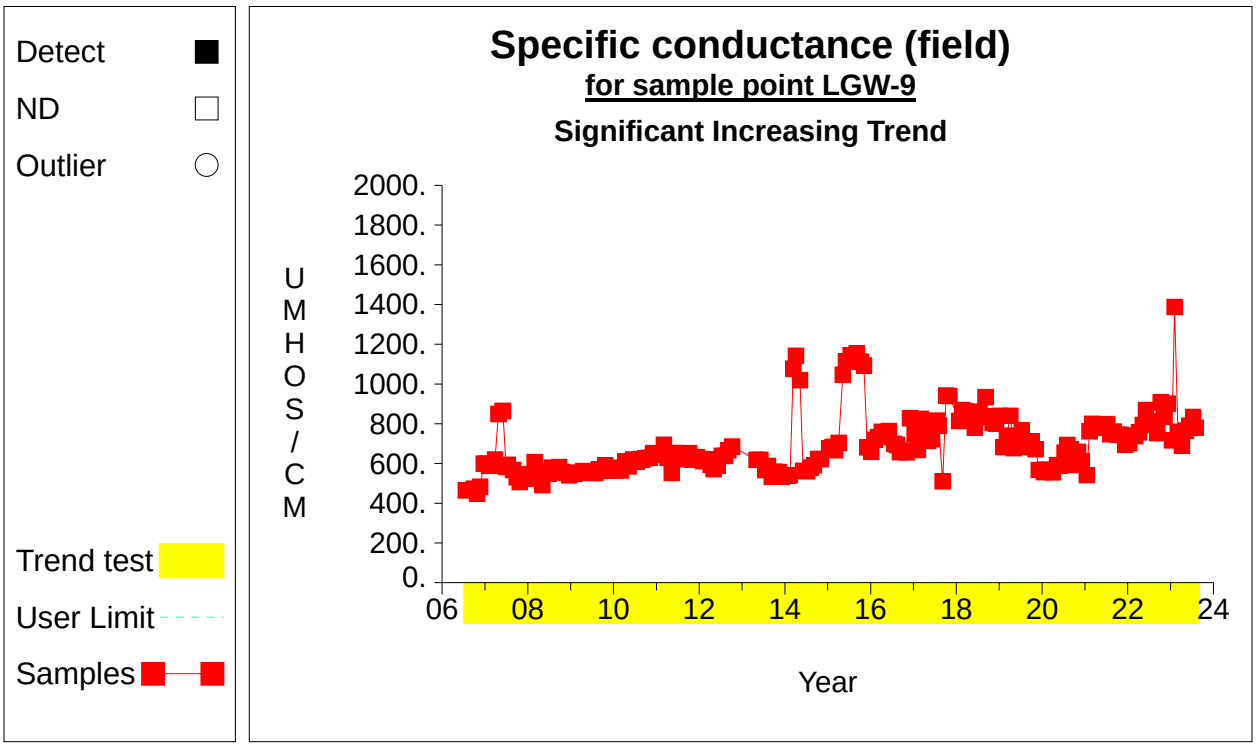

Detect
ND
Outlier
Trend test
User Limit
Samples
Specific conductance (field)
for sample point LGW-6
Significant Increasing Trend
UMHOS/CM
2000.
1800.
1600.
1400.
1200.
1000.
800.
600.
400.
200.
0.
06
08
10
12
14
16
18
20
22
24
Year

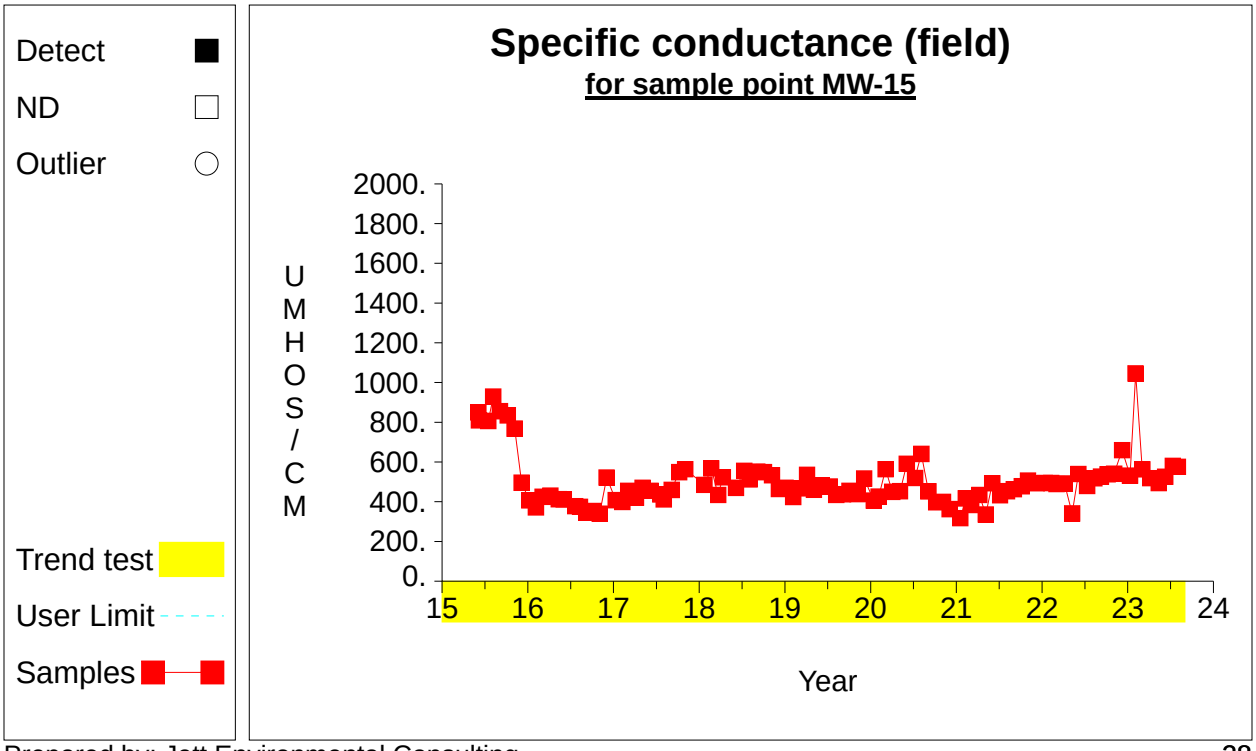
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Specific conductance (field)
for sample point LGW-7
Significant Increasing Trend
UMHOS/CM
2000.
1800.
1600.
1400.
1200.
1000.
800.
600.
400.
200.
0.
06
08
10
12
14
16
18
20
22
24
Year

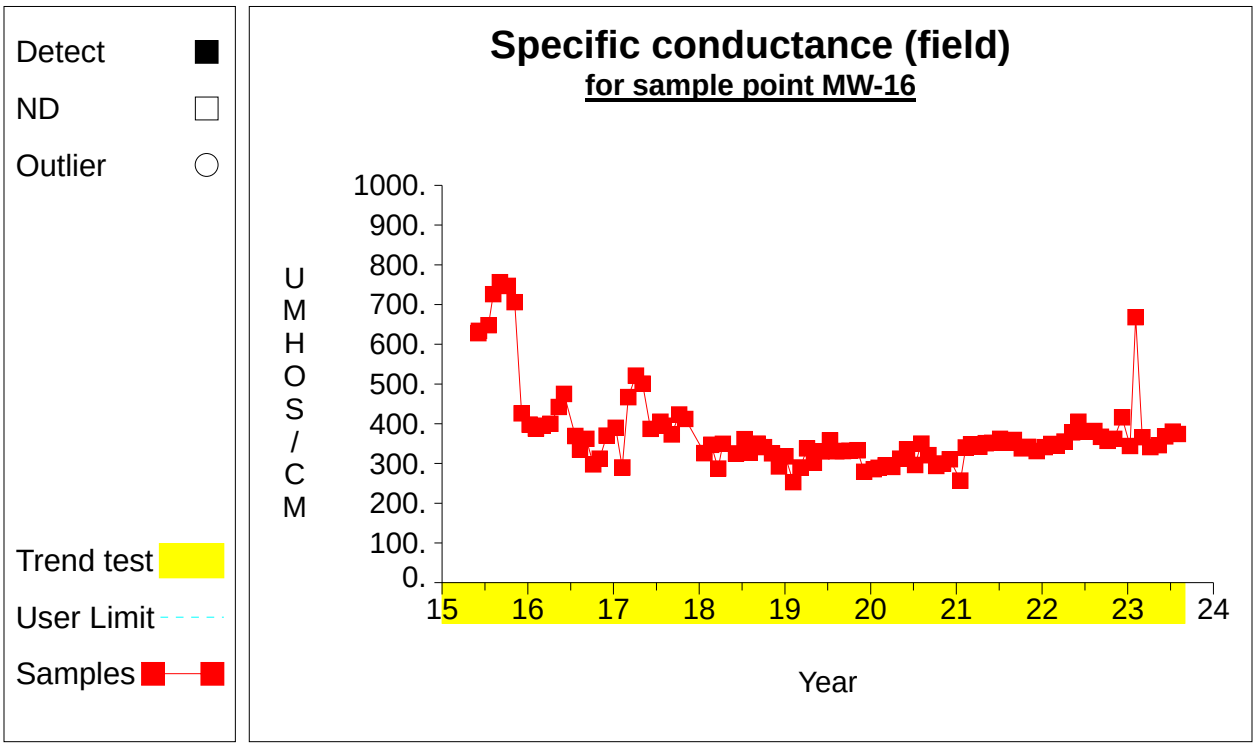

Detect
ND
Outlier
Trend test
User Limit
Samples
Specific conductance (field)
for sample point LGW-8R
Significant Increasing Trend
UMHOS/CM
2000.
1800.
1600.
1400.
1200.
1000.
800.
600.
400.
200.
0.
06
08
10
12
14
16
18
20
22
24
Year
Median ND

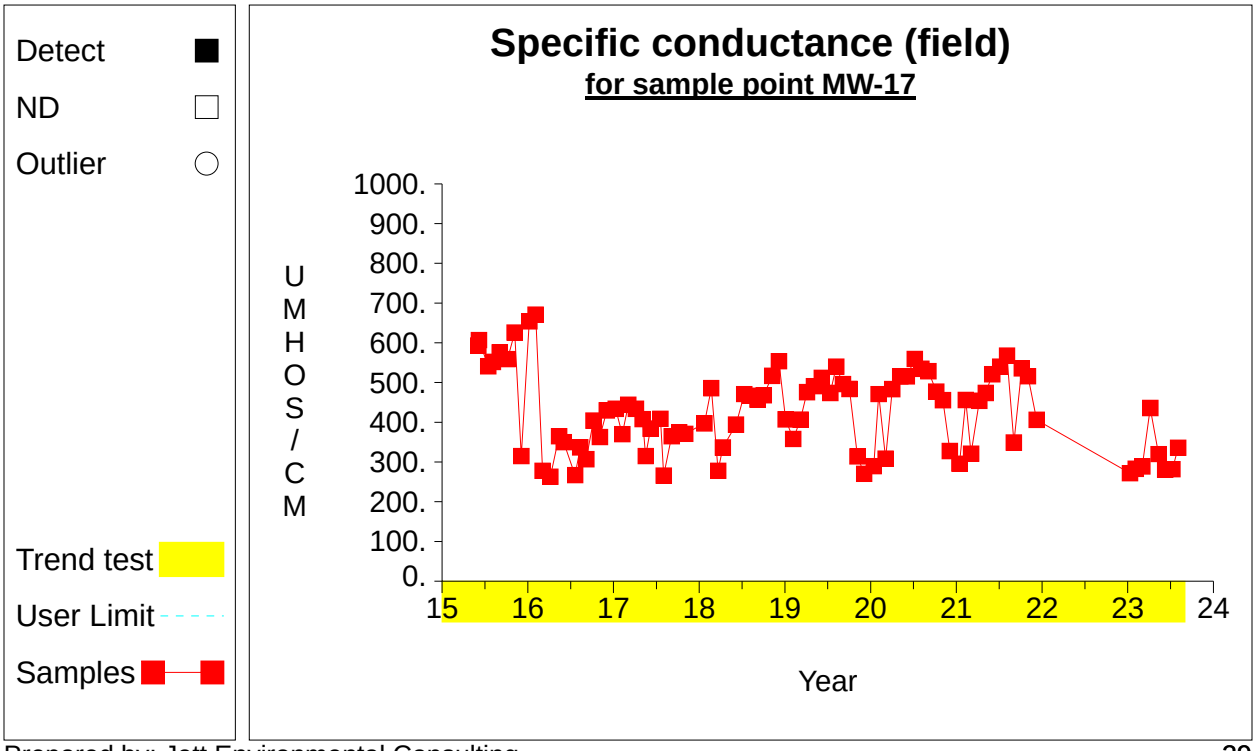
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Specific conductance (field)
for sample point LGW-9
Significant Increasing Trend
UMHOS/CM
2000.
1800.
1600.
1400.
1200.
1000.
800.
600.
400.
200.
0.
06
08
10
12
14
16
18
20
22
24
Year

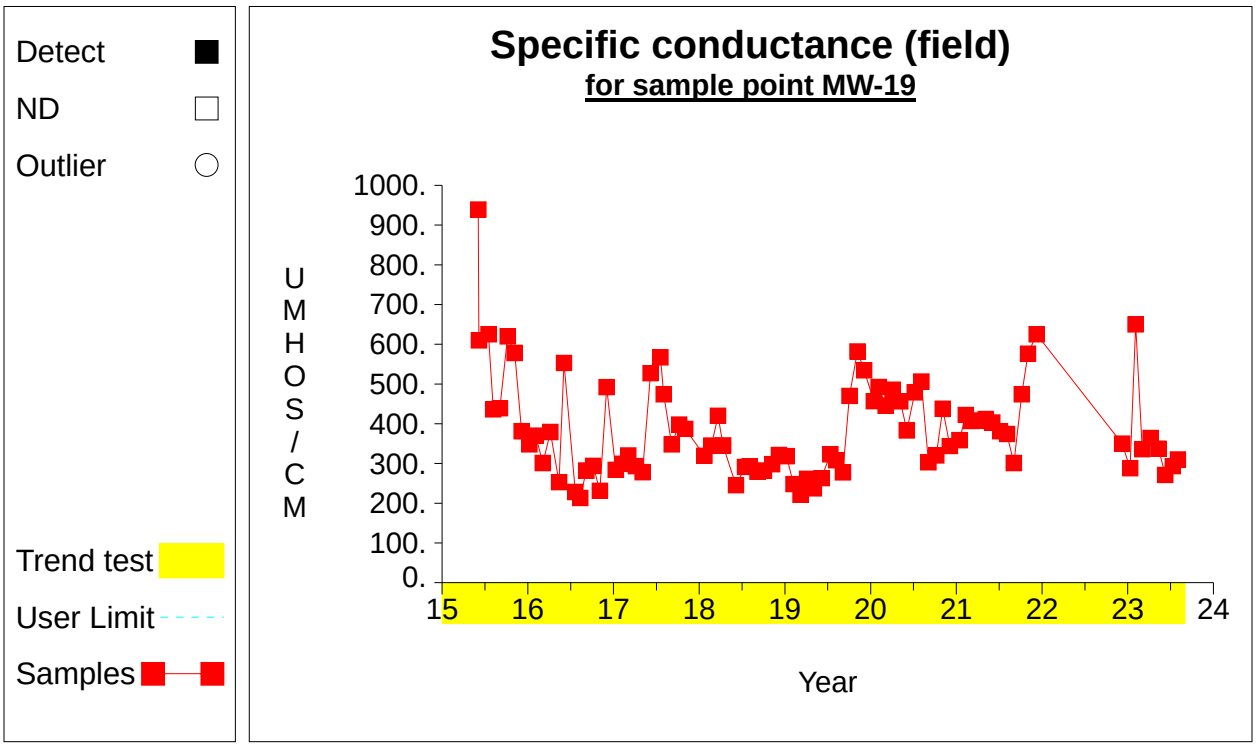

Detect
ND
Outlier
Trend test
User Limit
Samples
Specific conductance (field)
for sample point MW-15
UMHOS/CM
2000.
1800.
1600.
1400.
1200.
1000.
800.
600.
400.
200.
0.
15
16
17
18
19
20
21
22
23
24
Year

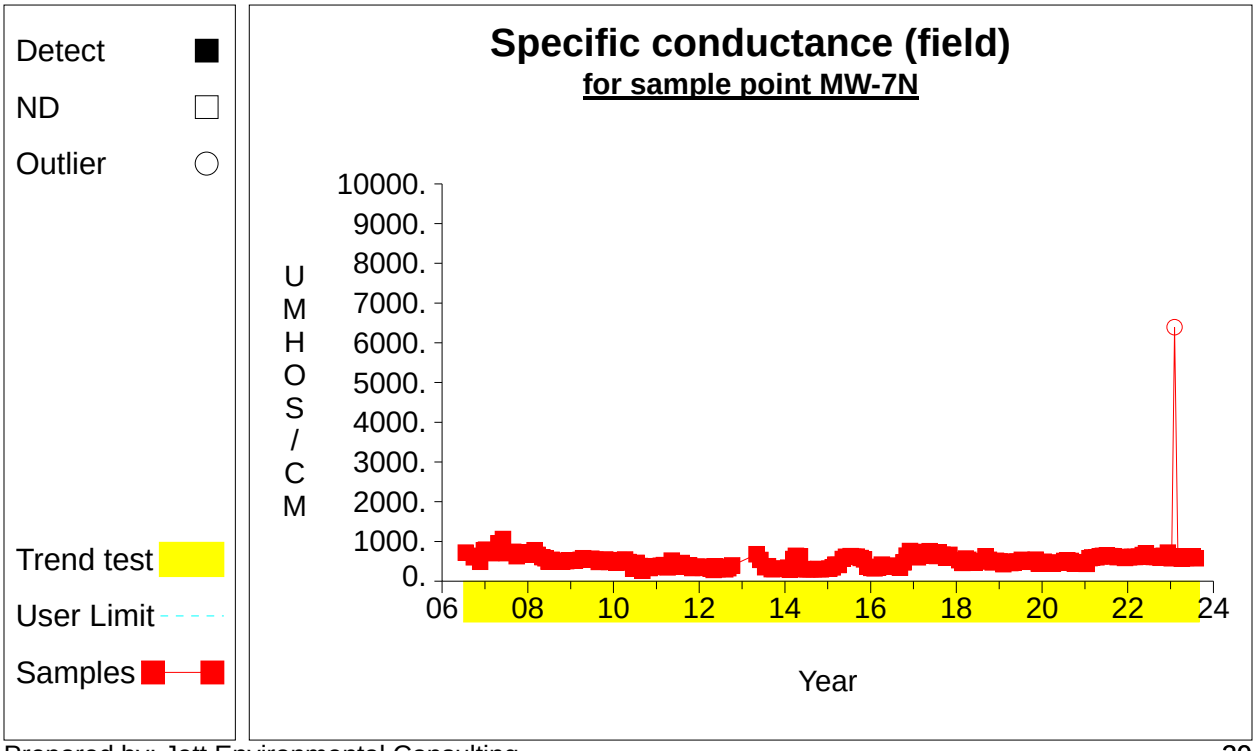
Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Specific conductance (field)
for sample point MW-16
UMHOS/CM
1000.
900.
800.
700.
600.
500.
400.
300.
200.
100.
0.
15
16
17
18
19
20
21
22
23
24
Year


Detect
ND
Outlier
Trend test
User Limit
Samples
Specific conductance (field)
for sample point MW-17
UMHOS/CM
1000.
900.
800.
700.
600.
500.
400.
300.
200.
100.
0.
15
16
17
18
19
20
21
22
23
24
Year

Time Series


Detect
ND
Outlier
Trend test
User Limit
Samples
Specific conductance (field)
for sample point MW-19
UMHOS/CM
1000.
900.
800.
700.
600.
500.
400.
300.
200.
100.
0.
15
16
17
18
19
20
21
22
23
24
Year


Detect
ND
Outlier
Trend test
User Limit
Samples
Specific conductance (field)
for sample point MW-7N
UMHOS/CM
10000.
9000.
8000.
7000.
6000.
5000.
4000.
3000.
2000.
1000.
0.
06
08
10
12
14
16
18
20
22
24
Year

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	15.1	151

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		
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	13.3	133
LGW-7	8/1/2006	Chloride	13	mg/L		
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	11.3	113

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		
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	20.5	205
MW-19	6/2/2015	Chloride	15	mg/L		
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	9.2	92
MW-7N	7/19/2006	Chloride	9.6	mg/L		
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	9.3	93

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
8/1/23	Tue	25.4	733219	0	21.7	171,306	21.2	0	44.97	14.99		
8/2/23	Wed	25.9	733219	1,474	21.8	171,306	21.2	0	0.00			
8/3/23	Thu	20.1	734693	0	21.9	171,306	21.2	0	0.00		3.21	
8/4/23	Fri	20.4	734693	0	21.9	171,306	21.2	0	0.00	0.00		
8/5/23	Sat	20.4	734693	0	21.9	171,306	21.2	0	0.00			
8/6/23	Sun	20.4	734693	0	21.9	171,306	21.2	0	0.00			
8/7/23	Mon	21.7	734693	0	22.4	171,306	21.2	0	0.00	0.00		
8/8/23	Tue	22.2	734693	0	22.5	171,306	21.2	0	0.00			
8/9/23	Wed	22.6	734693	0	22.5	171,306	21.2	0	0.00			LCS flow meter not functioning, replaced meter. New read is 0
8/10/23	Thu	22.7	0	0	22.6	171,306	21.2	19	0.00	0.00		
8/11/23	Fri	22.8	0	0	23.2	171,325	21.3	0	3.61			
8/12/23	Sat	22.8	0	0	23.2	171,325	21.3	0	0.00			
8/13/23	Sun	22.8	0	0	23.2	171,325	21.3	0	0.00	1.20		
8/14/23	Mon	23	0	0	24.7	171,325	21.3	0	0.00			
8/15/23	Tue	23.2	0	0	25.2	171,325	21.3	0	0.00			
8/16/23	Wed	23.6	0	0	25.6	171,325	21.3	0	0.00	0.00		
8/17/23	Thu	24.1	0	0	26.2	171,325	21.3	0	0.00		0.26	
8/18/23	Fri	24.5	0	0	27.0	171,325	21.3	0	0.00			
8/19/23	Sat	24.5	0	0	27.0	171,325	21.3	0	0.00	0.00		
8/20/23	Sun	24.5	0	0	27.0	171,325	21.3	0	0.00			
8/21/23	Mon	24.7	0	0	27.2	171,325	21.3	0	0.00			
8/22/23	Tue	24.7	0	0	27.2	171,325	21.3	0	0.00	0.00		
8/23/23	Wed	24.8	0	0	27.3	171,325	21.3	86	0.00			
8/24/23	Thu	24.9	0	9	27.2	171,411	22.0	0	16.32			
8/25/23	Fri	24.3	9	0	27.3	171,411	22.0	0	0.00	5.44		
8/26/23	Sat	24.3	9	0	27.3	171,411	22.0	0	0.00			
8/27/23	Sun	24.3	9	0	27.3	171,411	22.0	0	0.00			
8/28/23	Mon	24.7	9	0	27.5	171,411	22.0	0	0.00	0.00		
8/29/23	Tue	24.7	9	0	27.6	171,411	22.0	0	0.00			
8/30/23	Wed	24.9	9	0	27.9	171,411	22.0	0	0.00			
8/31/23	Thu	24.9	9	0	27.9	171,411	22.0	0	0.00	0.00	1.17	

		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
8/1/23	Tue	19.8	26088	0	26.2	11,150	20.9	0	0.00			
8/2/23	Wed	19.9	26088	0	26.3	11,150	20.9	0	0.00			
8/3/23	Thu	19.9	26088	0	26.3	11,150	20.9	0	0.00	0.00		
8/4/23	Fri	20.3	26088	0	26.5	11,150	20.9	0	0.00			
8/5/23	Sat	20.3	26088	0	26.5	11,150	20.9	0	0.00			
8/6/23	Sun	20.3	26088	0	26.5	11,150	20.9	0	0.00	0.00		
8/7/23	Mon	21.2	26088	0	26.7	11,150	20.9	0	0.00		0.00	
8/8/23	Tue	21.3	26088	0	26.7	11,150	20.9	0	0.00			
8/9/23	Wed	21.8	26088	0	26.7	11,150	20.9	0	0.00	0.00		
8/10/23	Thu	22.3	26088	0	26.8	11,150	20.9	0	0.00			
8/11/23	Fri	22.4	26088	0	26.8	11,150	20.9	0	0.00			
8/12/23	Sat	22.4	26088	0	26.8	11,150	20.9	0	0.00	0.00		
8/13/23	Sun	22.4	26088	0	26.8	11,150	20.9	0	0.00			
8/14/23	Mon	22.5	26088	0	26.6	11,150	20.9	0	0.00			
8/15/23	Tue	22.5	26088	0	26.7	11,150	20.9	0	0.00	0.00		
8/16/23	Wed	22.6	26088	0	26.8	11,150	20.9	0	0.00			
8/17/23	Thu	22.7	26088	0	26.8	11,150	20.9	0	0.00			
8/18/23	Fri	22.7	26088	0	26.9	11,150	20.9	0	0.00	0.00		
8/19/23	Sat	22.7	26088	0	26.9	11,150	20.9	0	0.00			
8/20/23	Sun	22.7	26088	0	26.9	11,150	20.9	0	0.00			
8/21/23	Mon	22.8	26088	0	26.9	11,150	20.9	0	0.00	0.00	0.00	
8/22/23	Tue	22.9	26088	0	26.8	11,150	20.9	0	0.00			
8/23/23	Wed	23	26088	0	26.8	11,150	20.9	0	0.00			
8/24/23	Thu	23.3	26088	427	26.9	11,150	20.9	0	0.00	0.00		
8/25/23	Fri	21	26515	0	27.0	11,150	20.9	0	0.00			
8/26/23	Sat	21	26515	0	27.0	11,150	20.9	0	0.00			
8/27/23	Sun	21	26515	0	27.0	11,150	20.9	0	0.00	0.00		
8/28/23	Mon	21.5	26515	0	27.1	11,150	20.9	0	0.00			
8/29/23	Tue	21.7	26515	0	27.3	11,150	20.9	0	0.00			
8/30/23	Wed	21.7	26515	0	27.3	11,150	20.9	0	0.00	0.00		
8/31/23	Thu	22	26515	0	27.6	11,150	20.9	0	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
8/1/23	Tue	23.4	85633	1,857	28.7	39	33.7	0	0.00			
8/2/23	Wed	25.1	87490	2,225	28.7	39	33.7	0	0.00	0.00		
8/3/23	Thu	23.8	89715	0	28.9	39	33.7	0	0.00			
8/4/23	Fri	24.2	89715	0	28.9	39	33.7	0	0.00			
8/5/23	Sat	24.2	89715	0	28.9	39	33.7	0	0.00	0.00		
8/6/23	Sun	24.2	89715	0	28.9	39	33.7	0	0.00			
8/7/23	Mon	25.9	89715	0	29.0	39	33.7	0	0.00			
8/8/23	Tue	26.1	89715	3,846	29.2	39	33.7	0	0.00	0.00		
8/9/23	Wed	20.3	93561	3,415	29.1	39	33.7	0	0.00			
8/10/23	Thu	21	96976	0	29.2	39	33.7	0	0.00		0.00	
8/11/23	Fri	21	96976	0	29.0	39	33.7	0	0.00	0.00		
8/12/23	Sat	21	96976	0	29.0	39	33.7	0	0.00			
8/13/23	Sun	21	96976	0	29.0	39	33.7	0	0.00			
8/14/23	Mon	21	96976	0	29.0	39	33.7	0	0.00	0.00		
8/15/23	Tue	21	96976	0	29.2	39	33.7	0	0.00			
8/16/23	Wed	21	96976	0	29.4	39	33.7	0	0.00			
8/17/23	Thu	21.2	96976	0	29.4	39	33.7	0	0.00	0.00		
8/18/23	Fri	21.2	96976	0	29.3	39	33.7	0	0.00			
8/19/23	Sat	21.2	96976	0	29.3	39	33.7	0	0.00			
8/20/23	Sun	21.2	96976	0	29.3	39	33.7	0	0.00	0.00		
8/21/23	Mon	21.3	96976	0	29.7	39	33.7	0	0.00			
8/22/23	Tue	21.3	96976	0	29.9	39	33.7	0	0.00			
8/23/23	Wed	21.4	96976	0	29.9	39	33.7	0	0.00	0.00		
8/24/23	Thu	21.4	96976	0	30.0	39	33.7	0	0.00		0.00	
8/25/23	Fri	21.6	96976	2,669	30.2	39	33.7	0	0.00			
8/26/23	Sat	21.6	99645	2,669	30.2	39	33.7	0	0.00	0.00		
8/27/23	Sun	21.6	102314	2,671	30.2	39	33.7	0	0.00			
8/28/23	Mon	26.5	104985	0	30.1	39	33.7	0	0.00			
8/29/23	Tue	27.8	104985	0	30.1	39	33.7	0	0.00	0.00		
8/30/23	Wed	28	104985	0	30.1	39	33.7	0	0.00			
8/31/23	Thu	28.2	104985	0	30.3	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
8/1/23	Tue	17.7	906455	1,432	30.0	7,369	15.4	0	0.00			
8/2/23	Wed	17.5	907887	1,292	30.2	7,369	15.4	0	0.00		0.00	
8/3/23	Thu	18	909179	1,562	30.4	7,369	15.4	0	0.00	0.00		
8/4/23	Fri	18.2	910741	1,038	30.3	7,369	15.4	0	0.00			
8/5/23	Sat	18.2	911779	1,038	30.3	7,369	15.4	0	0.00			
8/6/23	Sun	18.2	912817	1,040	30.3	7,369	15.4	0	0.00	0.00		
8/7/23	Mon	17.3	913857	2,101	31.0	7,369	15.4	0	0.00			
8/8/23	Tue	17.5	915958	1,529	31.1	7,369	15.4	0	0.00			
8/9/23	Wed	18.2	917487	1,118	31.2	7,369	15.4	0	0.00	0.00		
8/10/23	Thu	18	918605	1,115	31.3	7,369	15.4	0	0.00			
8/11/23	Fri	18	919720	1,224	31.3	7,369	15.4	0	0.00			
8/12/23	Sat	18	920944	1,224	31.3	7,369	15.4	0	0.00	0.00		
8/13/23	Sun	18	922168	1,224	31.3	7,369	15.4	0	0.00			
8/14/23	Mon	16.8	923392	1,082	31.6	7,369	15.4	0	0.00			
8/15/23	Tue	17.3	924474	1,385	31.7	7,369	15.4	0	0.00	0.00		
8/16/23	Wed	17.1	925859	1,133	31.7	7,369	15.4	0	0.00		0.00	
8/17/23	Thu	18.2	926992	1,397	31.7	7,369	15.4	0	0.00			
8/18/23	Fri	17.6	928389	1,168	31.8	7,369	15.4	0	0.00	0.00		
8/19/23	Sat	17.6	929557	1,168	31.8	7,369	15.4	0	0.00			
8/20/23	Sun	17.6	930725	1,169	31.8	7,369	15.4	0	0.00			
8/21/23	Mon	17.8	931894	1,461	32.0	7,369	15.4	0	0.00	0.00		
8/22/23	Tue	18	933355	1,278	32.1	7,369	15.4	1	0.13			
8/23/23	Wed	17.5	934633	1,276	32.3	7,370	15.4	0	0.00			
8/24/23	Thu	13	935909	2,018	32.3	7,370	15.4	0	0.00	0.04		
8/25/23	Fri	17.5	937927	1,321	32.4	7,370	15.4	0	0.00			
8/26/23	Sat	17.5	939248	1,321	32.4	7,370	15.4	0	0.00			
8/27/23	Sun	17.5	940569	1,323	32.4	7,370	15.4	0	0.00	0.00		
8/28/23	Mon	14.1	941892	0	32.4	7,370	15.4	0	0.00			
8/29/23	Tue	16.3	941892	1,212	32.5	7,370	15.4	0	0.00			
8/30/23	Wed	16.8	943104	1,493	32.6	7,370	15.4	0	0.00	0.00	0.01	
8/31/23	Thu	17.2	944597	1,400	32.6	7,370	15.4	0	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
8/1/2023	Tue	22.9	4078136	9602	17.5	8273	26	0	0.00	0.00		
8/2/2023	Wed	24.7	4087738	7668	17.6	8273	26	0	0.00			
8/3/2023	Thu	25.1	4095406	7285	17.7	8273	26	13	3.51			
8/4/2023	Fri	26.8	4102691	7721	17.3	8286	26.1	0	0.00	1.17		
8/5/2023	Sat	26.8	4110412	7721	17.3	8286	26.1	0	0.00			
8/6/2023	Sun	26.8	4118133	7723	17.3	8286	26.1	0	0.00			
8/7/2023	Mon	27.7	4125856	8921	17.1	8286	26.1	0	0.00	0.00	0.25	
8/8/2023	Tue	23.4	4134777	6554	17.1	8286	26.1	0	0.00			
8/9/2023	Wed	33.6	4141331	10980	17.3	8286	26.1	1	0.27			
8/10/2023	Thu	29.7	4152311	8194	17.2	8287	26.1	0	0.00	0.09		
8/11/2023	Fri	28.6	4160505	10516	17.2	8287	26.1	0	0.00			
8/12/2023	Sat	28.6	4171021	10516	17.2	8287	26.1	0	0.00			
8/13/2023	Sun	28.6	4181537	10516	17.2	8287	26.1	0	0.00	0.00		
8/14/2023	Mon	28.6	4192053	11278	16.9	8287	26.1	0	0.00			
8/15/2023	Tue	30.3	4203331	14333	17.1	8287	26.1	0	0.00			
8/16/2023	Wed	27.8	4217664	10846	17.2	8287	26.1	0	0.00	0.00		
8/17/2023	Thu	31.4	4228510	10684	17.3	8287	26.1	0	0.00			
8/18/2023	Fri	29.2	4239194	10249	17.3	8287	26.1	0	0.00			
8/19/2023	Sat	29.2	4249443	10249	17.3	8287	26.1	0	0.00	0.00		
8/20/2023	Sun	29.2	4259692	10249	17.3	8287	26.1	0	0.00			
8/21/2023	Mon	32	4269941	10101	17	8287	26.1	0	0.00		0.02	
8/22/2023	Tue	30.1	4280042	9754	17.2	8287	26.1	0	0.00	0.00		
8/23/2023	Wed	22.7	4289796	7160	17.1	8287	26.1	0	0.00			
8/24/2023	Thu	34	4296956	10026	17	8287	26.1	10	2.70			
8/25/2023	Fri	27.1	4306982	14774	17.4	8297	26.1	0	0.00	0.90		
8/26/2023	Sat	27.1	4321756	14774	17.4	8297	26.1	0	0.00			
8/27/2023	Sun	27.1	4336530	14776	17.4	8297	26.1	0	0.00			
8/28/2023	Mon	27.3	4351306	17504	17.1	8297	26.1	0	0.00	0.00		
8/29/2023	Tue	33	4368810	7492	17.3	8297	26.1	0	0.00			
8/30/2023	Wed	29.9	4376302	7576	17.2	8297	26.1	0	0.00			
8/31/2023	Thu	39	4383878	8343	17.1	8297	26.1	0	0.00	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
8/1/2023	Tue	16.4	1406496	1523	16.9	2850	42	0	0.00	0.00		
8/2/2023	Wed	17	1408019	1416	16.9	2850	42	0	0.00			
8/3/2023	Thu	16.7	1409435	1616	16.8	2850	42	0	0.00			
8/4/2023	Fri	13.7	1411051	312	16.8	2850	42	0	0.00	0.00		
8/5/2023	Sat	13.7	1411363	312	16.8	2850	42	0	0.00			
8/6/2023	Sun	13.7	1411675	312	16.8	2850	42	0	0.00			
8/7/2023	Mon	16.6	1411987	787	16.8	2850	42	0	0.00	0.00		
8/8/2023	Tue	17.1	1412774	636	16.8	2850	42	0	0.00			
8/9/2023	Wed	15.6	1413410	680	16.7	2850	42	0	0.00			
8/10/2023	Thu	12.7	1414090	446	16.6	2850	42	0	0.00	0.00	0.00	
8/11/2023	Fri	16.5	1414536	835	16.7	2850	42	0	0.00			
8/12/2023	Sat	16.5	1415371	835	16.7	2850	42	0	0.00			
8/13/2023	Sun	16.5	1416206	836	16.7	2850	42	0	0.00	0.00		
8/14/2023	Mon	14.2	1417042	955	16.6	2850	42	0	0.00			
8/15/2023	Tue	15.5	1417997	1554	16.6	2850	42	0	0.00			
8/16/2023	Wed	22.2	1419551	1110	16.5	2850	42	0	0.00	0.00		
8/17/2023	Thu	15.9	1420661	673	16.6	2850	42	0	0.00			
8/18/2023	Fri	11.9	1421334	701	16.5	2850	42	0	0.00			
8/19/2023	Sat	11.9	1422035	701	16.5	2850	42	0	0.00	0.00		
8/20/2023	Sun	11.9	1422736	701	16.5	2850	42	0	0.00			
8/21/2023	Mon	14.9	1423437	671	16.7	2850	42	0	0.00			
8/22/2023	Tue	13.1	1424108	514	16.9	2850	42	0	0.00	0.00		
8/23/2023	Wed	18.5	1424622	741	16.8	2850	42	0	0.00			
8/24/2023	Thu	17.4	1425363	739	16.8	2850	42	0	0.00		0.00	
8/25/2023	Fri	16.2	1426102	646	16.9	2850	42	0	0.00	0.00		
8/26/2023	Sat	16.2	1426748	646	16.9	2850	42	0	0.00			
8/27/2023	Sun	16.2	1427394	648	16.9	2850	42	0	0.00			
8/28/2023	Mon	16.9	1428042	707	17.1	2850	42	0	0.00	0.00		
8/29/2023	Tue	13.9	1428749	716	17	2850	42	0	0.00			
8/30/2023	Wed	12.7	1429465	482	16.9	2850	42	0	0.00			
8/31/2023	Thu	24.3	1429947	897	16.9	2850	42	0	0.00	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
8/1/2023	Tue	1.9	1903918	1966	23.6	4066	16.4	0	0.00			
8/2/2023	Wed	3.7	1905884	1347	23.8	4066	16.4	0	0.00	0.00		
8/3/2023	Thu	1.8	1907231	1766	23.8	4066	16.4	0	0.00			
8/4/2023	Fri	3.3	1908997	1447	23.9	4066	16.4	0	0.00			
8/5/2023	Sat	3.3	1910444	1447	23.9	4066	16.4	0	0.00	0.00		
8/6/2023	Sun	3.3	1911891	1449	23.9	4066	16.4	0	0.00			
8/7/2023	Mon	1.5	1913340	1535	24.1	4066	16.4	0	0.00			
8/8/2023	Tue	2	1914875	1854	24.1	4066	16.4	0	0.00	0.00		
8/9/2023	Wed	3.7	1916729	5162	24.2	4066	16.4	6	0.86		0.06	
8/10/2023	Thu	2.3	1921891	1346	23.9	4072	16.5	0	0.00			
8/11/2023	Fri	2.5	1923237	3180	23.8	4072	16.5	0	0.00	0.29		
8/12/2023	Sat	2.5	1926417	3180	23.8	4072	16.5	0	0.00			
8/13/2023	Sun	2.5	1929597	3180	23.8	4072	16.5	0	0.00			
8/14/2023	Mon	1.8	1932777	1651	23.4	4072	16.5	0	0.00	0.00		
8/15/2023	Tue	2.7	1934428	1621	23.4	4072	16.5	0	0.00			
8/16/2023	Wed	2.8	1936049	1958	23.1	4072	16.5	0	0.00			
8/17/2023	Thu	1.9	1938007	1329	23.2	4072	16.5	0	0.00	0.00		
8/18/2023	Fri	2.8	1939336	1670	23	4072	16.5	0	0.00			
8/19/2023	Sat	2.8	1941006	1670	23	4072	16.5	0	0.00			
8/20/2023	Sun	2.8	1942676	1671	23	4072	16.5	0	0.00	0.00		
8/21/2023	Mon	3.1	1944347	1393	22.9	4072	16.5	0	0.00			
8/22/2023	Tue	2.3	1945740	1601	22.9	4072	16.5	0	0.00			
8/23/2023	Wed	3	1947341	1565	22.8	4072	16.5	0	0.00	0.00	0.00	
8/24/2023	Thu	1.7	1948906	1738	22.8	4072	16.5	0	0.00			
8/25/2023	Fri	3.3	1950644	1541	22.6	4072	16.5	0	0.00			
8/26/2023	Sat	3.3	1952185	1541	22.6	4072	16.5	0	0.00	0.00		
8/27/2023	Sun	3.3	1953726	1541	22.6	4072	16.5	0	0.00			
8/28/2023	Mon	1.8	1955267	1469	23	4072	16.5	0	0.00			
8/29/2023	Tue	1.8	1956736	1558	22.9	4072	16.5	0	0.00	0.00		
8/30/2023	Wed	3.1	1958294	1711	22.9	4072	16.5	0	0.00			
8/31/2023	Thu	1.2	1960005	1625	23	4072	16.5	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
8/1/2023	Tue	7.4	2009974	3587	26	7870	40.3	0	0.00			
8/2/2023	Wed	5.9	2013561	2667	26.3	7870	40.3	0	0.00	14.18		
8/3/2023	Thu	8.1	2016228	1759	26.4	7870	40.3	0	0.00			
8/4/2023	Fri	7	2017987	0	26.7	7870	40.3	0	0.00			
8/5/2023	Sat	7	2017987	0	26.7	7870	40.3	0	0.00	0.00		
8/6/2023	Sun	7	2017987	972	26.7	7870	40.3	0	0.00			
8/7/2023	Mon	5.8	2018959	1065	27.4	7870	40.3	0	0.00			
8/8/2023	Tue	13	2020024	886	28	7870	40.3	0	0.00	0.00		
8/9/2023	Wed	10.1	2020910	872	28.1	7870	40.3	0	0.00		3.04	
8/10/2023	Thu	12.2	2021782	908	28.3	7870	40.3	366	46.33			
8/11/2023	Fri	11.1	2022690	917	25	8236	42.9	300	37.97	28.10		
8/12/2023	Sat	11.1	2023607	917	25	8536	42.9	300	37.97			
8/13/2023	Sun	11.1	2024524	919	25	8836	42.9	300	37.97			
8/14/2023	Mon	10.5	2025443	1571	19.2	9136	46.7	0	0.00	25.32		
8/15/2023	Tue	9.8	2027014	1277	19.4	9136	46.7	0	0.00			
8/16/2023	Wed	11.7	2028291	709	20	9136	46.7	275	34.81			
8/17/2023	Thu	10.1	2029000	823	16.9	9411	48	288	36.46	23.76		
8/18/2023	Fri	12.5	2029823	992	14.8	9699	49.2	0	0.00			
8/19/2023	Sat	12.5	2030815	992	14.8	9699	49.2	0	0.00			
8/20/2023	Sun	12.5	2031807	992	14.8	9699	49.2	0	0.00	0.00		
8/21/2023	Mon	10.2	2032799	1467	15.9	9699	49.2	0	0.00			
8/22/2023	Tue	9.5	2034266	1463	16.7	9699	49.2	423	53.54			
8/23/2023	Wed	9.8	2035729	1309	14.4	10122	50.3	213	26.96	26.84	22.29	
8/24/2023	Thu	11.9	2037038	1508	12.9	10335	51.7	583	73.80			
8/25/2023	Fri	2.9	2038546	1266	10.3	10918	54	0	0.00			
8/26/2023	Sat	2.9	2039812	1266	10.3	10918	54	0	0.00	24.60		
8/27/2023	Sun	2.9	2041078	1267	10.3	10918	54	0	0.00			
8/28/2023	Mon	2.2	2042345	1288	12.2	10918	54	0	0.00			
8/29/2023	Tue	10.9	2043633	1270	12.4	10918	54	0	0.00	0.00		
8/30/2023	Wed	9.9	2044903	1407	12.8	10918	54	0	0.00			
8/31/2023	Thu	10.9	2046310	1461	12.9	10918	54	0	0.00			

		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
8/1/2023	Tue	9.8	12142217	4604	25.7	18631	0	0.00			
8/2/2023	Wed	10.5	12146821	4936	26.1	18631	0	0.00	0.00		
8/3/2023	Thu	12.4	12151757	5454	26.3	18631	0	0.00			
8/4/2023	Fri	9.7	12157211	4849	26.4	18631	0	0.00		9.46	
8/5/2023	Sat	9.7	12162060	4849	26.4	18631	0	0.00	0.00		
8/6/2023	Sun	9.7	12166909	4849	26.4	18631	0	0.00			
8/7/2023	Mon	7.7	12171758	4957	27	18631	0	0.00			
8/8/2023	Tue	11	12176715	4402	27.1	18631	0	0.00	0.00		
8/9/2023	Wed	8.9	12181117	7208	27.7	18631	1598	155.15			
8/10/2023	Thu	12	12188325	5067	22.3	20229	670	65.05			
8/11/2023	Fri	11.9	12193392	5955	22	20899	512	49.71	89.97		
8/12/2023	Sat	11.9	12199347	5955	22	21411	512	49.71			
8/13/2023	Sun	11.9	12205302	5956	21.7	21923	512	49.71			
8/14/2023	Mon	9.9	12211258	6022	21.3	22435	462	44.85	48.09		
8/15/2023	Tue	10.4	12217280	7432	21	22897	762	73.98			
8/16/2023	Wed	11	12224712	5832	20.8	23659	565	54.85			
8/17/2023	Thu	9.7	12230544	5519	20.5	24224	382	37.09	55.31		
8/18/2023	Fri	11.2	12236063	5351	20	24606	500	48.54		44.90	
8/19/2023	Sat	11.2	12241414	5351	20	25106	500	48.54			
8/20/2023	Sun	11.2	12246765	5352	20	25606	500	48.54	48.54		
8/21/2023	Mon	10.1	12252117	5669	18.9	26106	1005	97.57			
8/22/2023	Tue	12.4	12257786	5543	18.6	27111	1300	126.21			
8/23/2023	Wed	12	12263329	5543	18.3	28411	541	52.52	92.10		
8/24/2023	Thu	9.2	12269015	11592	18.2	28952	625	60.68			
8/25/2023	Fri	10.6	12274921	5454	18.1	29577	224	21.75			
8/26/2023	Sat	10.6	12280375	5454	18.1	29801	224	21.75	34.72		
8/27/2023	Sun	10.6	12285829	5456	18.1	30025	226	21.94			
8/28/2023	Mon	10.4	12291285	4966	19.6	30251	0	0.00			
8/29/2023	Tue	12	12296251	5380	20.2	30251	0	0.00	7.31		
8/30/2023	Wed	9.2	12301631	5777	20.6	30251	0	0.00			
8/31/2023	Thu	11	12307408	5285	20.9	30251	128	12.43			

		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
8/1/2023	Tue	10.7	18559636	5553	23.6	180231	0	0.00			
8/2/2023	Wed	12.1	18565189	7237	23.6	180231	0	0.00	0.00		
8/3/2023	Thu	11.8	18572426	6888	23.8	180231	0	0.00			
8/4/2023	Fri	10.5	18579314	3985	23.9	180231	0	0.00		0.00	
8/5/2023	Sat	10.5	18583299	3985	23.9	180231	0	0.00	0.00		
8/6/2023	Sun	10.5	18587284	3986	23.9	180231	0	0.00			
8/7/2023	Mon	11.7	18591270	4456	25.2	180231	0	0.00			
8/8/2023	Tue	13.1	18595726	5475	25.7	180231	0	0.00	0.00		
8/9/2023	Wed	11.1	18601201	4251	29.3	180231	2767	379.04			
8/10/2023	Thu	12.3	18605452	4037	19.7	182998	270	36.99			
8/11/2023	Fri	13.1	18609489	5420	19.6	183268	0	0.00	138.68		
8/12/2023	Sat	13.1	18614909	5420	19.6	183268	0	0.00			
8/13/2023	Sun	13.1	18620329	5421	19.6	183268	0	0.00			
8/14/2023	Mon	11	18625750	7111	20.2	183268	0	0.00	0.00		
8/15/2023	Tue	10.3	18632861	8919	18.2	183268	1173	160.68			
8/16/2023	Wed	13.3	18641780	5914	16.9	184441	869	119.04			
8/17/2023	Thu	12.1	18647694	6180	17.2	185310	0	0.00	93.24		
8/18/2023	Fri	14	18653874	4989	17.5	185310	0	0.00		49.70	
8/19/2023	Sat	14	18658863	4989	17.5	185310	0	0.00			
8/20/2023	Sun	14	18663852	4990	17.5	185310	0	0.00	0.00		
8/21/2023	Mon	10.7	18668842	5732	20.4	185310	874	119.73			
8/22/2023	Tue	12.1	18674574	5057	19.4	186184	1803	246.99			
8/23/2023	Wed	12.3	18679631	5251	16.9	187987	0	0.00	122.24		
8/24/2023	Thu	10.3	18684882	7377	17.5	187987	816	111.78			
8/25/2023	Fri	13.7	18692259	4530	16.2	188803	360	49.32			
8/26/2023	Sat	13.7	18696789	4530	16.2	189163	360	49.32	70.14		
8/27/2023	Sun	13.7	18701319	4532	16.2	189523	361	49.45			
8/28/2023	Mon	11.1	18705851	3700	16.7	189884	0	0.00			
8/29/2023	Tue	11.5	18709551	4832	17	189884	0	0.00	16.48		
8/30/2023	Wed	11.2	18714383	5171	17.4	189884	0	0.00			
8/31/2023	Thu	13.1	18719554	5918	18.5	189884	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
8/1/2023	Tue	9.8	19332066	26345	23.9	8490	0	0.00			
8/2/2023	Wed	12.6	19358411	28146	23.9	8490	0	0.00	0.00		
8/3/2023	Thu	10	19386557	24766	24.1	8490	0	0.00			
8/4/2023	Fri	11.6	19411323	20169	24.4	8490	0	0.00			
8/5/2023	Sat	11.6	19431492	20169	24.4	8490	0	0.00	0.00		
8/6/2023	Sun	11.6	19451661	20170	24.4	8490	0	0.00			
8/7/2023	Mon	12	19471831	26336	25.4	8490	951	128.51			
8/8/2023	Tue	12.7	19498167	26140	12.9	9441	0	0.00	42.84		
8/9/2023	Wed	10.4	19524307	27570	13	9441	86	11.62			
8/10/2023	Thu	12.2	19551877	22643	12.7	9527	0	0.00			
8/11/2023	Fri	11.3	19574520	16020	13	9527	0	0.00	3.87	10.01	
8/12/2023	Sat	11.3	19590540	16020	13	9527	0	0.00			
8/13/2023	Sun	11.3	19606560	16020	13	9527	0	0.00			
8/14/2023	Mon	290.2	19622580	33831	15.6	9527	0	0.00	0.00		
8/15/2023	Tue	11.1	19656411	26256	17.1	9527	0	0.00			
8/16/2023	Wed	13.4	19682667	24826	18.2	9527	0	0.00			
8/17/2023	Thu	10.7	19707493	19950	19	9527	478	64.59	21.53		
8/18/2023	Fri	16.6	19727443	21599	16.5	10005	0	0.00			
8/19/2023	Sat	16.6	19749042	21599	16.5	10005	0	0.00			
8/20/2023	Sun	16.6	19770641	21600	16.5	10005	0	0.00	0.00		
8/21/2023	Mon	12.1	19792241	11719	18.9	10005	0	0.00			
8/22/2023	Tue	15.6	19803960	6319	19.6	10005	0	0.00			
8/23/2023	Wed	6.5	19810279	4195	20.2	10005	0	0.00	0.00		
8/24/2023	Thu	5.5	19814474	3990	22	10005	729	98.51			
8/25/2023	Fri	6.7	19818464	3411	20.6	10734	79	10.68		12.41	
8/26/2023	Sat	6.7	19821875	3411	20.6	10813	79	10.68	39.95		
8/27/2023	Sun	6.7	19825286	3411	20.6	10892	80	10.81			
8/28/2023	Mon	7.1	19828697	3139	13.2	10972	0	0.00			
8/29/2023	Tue	60	19831836	12854	13.5	10972	0	0.00	3.60		
8/30/2023	Wed	5.4	19844690	4542	13.6	10972	0	0.00			
8/31/2023	Thu	6.9	19849232	4274	13.9	10972	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
8/1/2023	Tue	8.3	7078456	4186	23.8	39603	297263	386	43.86	24.81		
8/2/2023	Wed	6.9	7082642	5529	24.3	39989	297649	369	41.93			
8/3/2023	Thu	6.1	7088171	5430	24.7	40358	298018	443	50.34			
8/4/2023	Fri	4.7	7093601	5034	24.7	40801	298461	310	35.23	42.50		
8/5/2023	Sat	4.7	7098635	5034	24.7	41111	298771	310	35.23			
8/6/2023	Sun	4.7	7103669	5034	24.7	41421	299081	312	35.45			
8/7/2023	Mon	5.5	7108703	4992	23.5	41733	299393	330	37.50	36.06		
8/8/2023	Tue	6.4	7113695	4151	24.1	42063	299723	253	28.75			
8/9/2023	Wed	5.2	7117846	6524	25.6	42316	299976	405	46.02			
8/10/2023	Thu	3	7124370	5006	26	42721	300381	407	46.25	40.34		
8/11/2023	Fri	5.6	7129376	3413	25.2	43128	300788	501	56.93		36.19	
8/12/2023	Sat	5.6	7132789	3413	25.2	43629	301289	501	56.93			
8/13/2023	Sun	5.6	7136202	3414	25.2	44130	301790	501	56.93	56.93		
8/14/2023	Mon	121.3	7139616	11125	24.8	44631	302291	270	30.68			
8/15/2023	Tue	34.9	7150741	8973	25.6	44901	302561	418	47.50			
8/16/2023	Wed	6.3	7159714	8978	23.9	45319	302979	573	65.11	47.77		
8/17/2023	Thu	5.4	7168692	4960	26.1	45892	303552	477	54.20			
8/18/2023	Fri	2.2	7173652	6131	25.7	46369	304029	466	52.95			
8/19/2023	Sat	2.2	7179783	6131	25.7	46835	304495	466	52.95	53.37		
8/20/2023	Sun	2.2	7185914	6133	25.7	47301	304961	466	52.95			
8/21/2023	Mon	3.9	7192047	5463	24.7	47767	305427	497	56.48			
8/22/2023	Tue	7.8	7197510	5401	22.8	48264	305924	738	83.86	64.43		
8/23/2023	Wed	7.9	7202911	5533	23.5	49002	306662	820	93.18			
8/24/2023	Thu	3.1	7208444	5808	25.6	49822	307482	537	61.02			
8/25/2023	Fri	5.9	7214252	5357	23	50359	308019	300	34.09	62.77	57.06	
8/26/2023	Sat	5.9	7219609	5357	23	50659	308319	300	34.09			
8/27/2023	Sun	5.9	7224966	5358	23	50959	308619	300	34.09			
8/28/2023	Mon	8.9	7230324	4896	23.6	51259	308919	0	0.00	22.73		
8/29/2023	Tue	3	7235220	5318	24.6	51259	308919	0	0.00			
8/30/2023	Wed	4.7	7240538	5847	25.2	51259	308919	0	0.00			
8/31/2023	Thu	5	7246385	5035	25.7	51259	308919	0	0.00	0.00		

		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	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
8/1/23	Tue	13.4	633,365	0	6.4	122,371	0	0.00			
8/2/23	Wed	14.7	633,365	5,396	6.6	122,371	0	0.00			
8/3/23	Thu	5.6	638,761	0	6.7	122,371	0	0.00	0.00		
8/4/23	Fri	6.9	638,761	0	6.9	122,371	0	0.00			
8/5/23	Sat	6.9	638,761	0	6.9	122,371	0	0.00			
8/6/23	Sun	6.9	638,761	0	6.9	122,371	0	0.00	0.00		
8/7/23	Mon	10.2	638,761	1,351	7.3	122,371	0	0.00			
8/8/23	Tue	5.8	640,112	1,457	7.5	122,371	0	0.00			
8/9/23	Wed	6.2	641,569	1,796	7.9	122,371	0	0.00	0.00		
8/10/23	Thu	4.4	643,365	734	7.9	122,371	0	0.00			
8/11/23	Fri	5.6	644,099	456	8.4	122,371	0	0.00		0.00	
8/12/23	Sat	5.6	644,555	456	8.4	122,371	0	0.00	0.00		
8/13/23	Sun	5.6	645,011	456	8.4	122,371	0	0.00			
8/14/23	Mon	7.4	645,467	770	9.3	122,371	0	0.00			
8/15/23	Tue	4.9	646,237	0	9.7	122,371	0	0.00	0.00		
8/16/23	Wed	5.6	646,237	0	10.2	122,371	0	0.00			
8/17/23	Thu	6.2	646,237	962	10.4	122,371	0	0.00			
8/18/23	Fri	4.1	647,199	673	11.1	122,371	0	0.00	0.00		
8/19/23	Sat	4.1	647,872	673	11.1	122,371	0	0.00			
8/20/23	Sun	4.1	648,545	673	11.1	122,371	0	0.00			
8/21/23	Mon	9.7	649,218	886	12.4	122,371	0	0.00	0.00		
8/22/23	Tue	12.3	650,104	1,043	12.9	122,371	0	0.00			
8/23/23	Wed	6.8	651,147	864	13.2	122,371	0	0.00			
8/24/23	Thu	9.9	652,011	790	13.7	122,371	0	0.00	0.00		
8/25/23	Fri	11.1	652,801	461	14.2	122,371	0	0.00		0.00	
8/26/23	Sat	11.1	653,262	0	14.2	122,371	0	0.00			
8/27/23	Sun	11.1	653,262	0	14.2	122,371	57	4.86	1.62		
8/28/23	Mon	19.4	653,262	2,018	15.9	122,428	14	1.19			LDS Hand pumped to verify pump is operational, no weekend avg done
8/29/23	Tue	23.3	655,280	0	18.8	122,442	0	0.00			
8/30/23	Wed	24	655,280	0	18.8	122,442	0	0.00	0.40		
8/31/23	Thu	24.7	655,280	0	18.8	122,442	0	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
8/1/23	Tue	35.8	36,411	0	33.6	116519	7	0	0.00			
8/2/23	Wed	35.8	36,411	0	33.6	116519	7	0	0.00			
8/3/23	Thu	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
8/4/23	Fri	35.8	36,411	0	33.6	116519	7	0	0.00			
8/5/23	Sat	35.8	36,411	0	33.6	116519	7	0	0.00			
8/6/23	Sun	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
8/7/23	Mon	35.8	36,411	0	33.6	116519	7	0	0.00			
8/8/23	Tue	35.8	36,411	0	33.6	116519	7	0	0.00			
8/9/23	Wed	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
8/10/23	Thu	35.8	36,411	0	33.6	116519	7	0	0.00			
8/11/23	Fri	35.8	36,411	0	33.6	116519	7	0	0.00			
8/12/23	Sat	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
8/13/23	Sun	35.8	36,411	0	33.6	116519	7	0	0.00		0.00	
8/14/23	Mon	35.8	36,411	0	33.6	116519	7	0	0.00			
8/15/23	Tue	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
8/16/23	Wed	35.8	36,411	0	33.6	116519	7	0	0.00			
8/17/23	Thu	35.8	36,411	0	33.6	116519	7	0	0.00			
8/18/23	Fri	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
8/19/23	Sat	35.8	36,411	0	33.6	116519	7	0	0.00			
8/20/23	Sun	35.8	36,411	0	33.6	116519	7	0	0.00			
8/21/23	Mon	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
8/22/23	Tue	35.8	36,411	0	33.6	116519	7	0	0.00			
8/23/23	Wed	35.8	36,411	0	33.6	116519	7	0	0.00			
8/24/23	Thu	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
8/25/23	Fri	35.8	36,411	0	33.6	116519	7	0	0.00			
8/26/23	Sat	35.8	36,411	0	33.6	116519	7	0	0.00			
8/27/23	Sun	35.8	36,411	0	33.6	116519	7	0	0.00	0.00	0.00	
8/28/23	Mon	35.8	36,411	0	33.6	116519	7	0	0.00			
8/29/23	Tue	35.8	36,411	0	33.6	116519	7	0	0.00			
8/30/23	Wed	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
8/31/23	Thu	35.8	36,411	0	33.6	116519	7	0	0.00			

ATTACHMENT F

Gas Extraction Well Operations & Location Map

Device Name	Alias	Description	Active	Location	Downtime (hours)
New Hill Gas Wells					
EVLFLE01	LE-1	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE03	LE-03	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE04	LE-4	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE05	LE-05	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE07	LE-7	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE08	LE-08	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFLE8R	LE-8R	REPLACEMENT FOR LE-08	Yes	Interior	0.25 hour
EVLFLE10	LE-10	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE11	LE-11	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE12	LE-12	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE13	LE-13	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE13R	LE-13R	Replacement for LE-13	Yes	Interior	0.25 hour
EVLFLE15	LE-15	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE16	LE-16	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE18	LE-18	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE18R	LE-18R	REPLACEMENT FOR LE-18	Yes	Interior	0.25 hour
EVLFLE19	LE-19	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE21	LE-21	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE24	LE-24	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE26	LE-26	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE27	LE-27	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE29	LE-29	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE31	LE-31	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE31R	LE-31R	REPLACEMENT FOR LE-31	Yes	Interior	0.25 hour
EVLFLE32	LE-32	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE33	LE-33	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE34	LE-34	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE34R	LE-34R	REPLACEMENT FOR LE-34	Yes	Interior	0.25 hour
EVLFLE36	LE-36	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE38	LE-38	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE38R	LE-38R	REPLACEMENT FOR LE-38	Yes	Interior	0.25 hour
EVLFLE39	LE-39	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE41	LE-41	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFLE41R	LE-41R	REPLACEMENT FOR LE-41	Yes	Interior	0.25 hour
EVLFLE42	LE-42	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE43	LE-43	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE45	LE-45	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE48	LE-48	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE50	LE-50	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE50R	LE-50R	REPLACEMENT FOR LE-50	Yes	Interior	0.25 hour
EVLFLE52	LE-52	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE52R	LE-52R	REPLACEMENT FOR LE-52	Yes	Interior	0.25 hour
EVLFLE53	LE-53	Lateral Expansion Area Well	No	Interior	REPLACED
EVLF53R	LE-53R	REPLACEMENT FOR LE-53	Yes	Interior	0.25 hour
EVLFLE55	LE-55	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE55R	LE-55R	REPLACEMENT FOR LE-55	Yes	Interior	0.25 hour
EVLFLE56	LE-56	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE56R	LE-56R	REPLACEMENT FOR LE-56	Yes	Interior	0.25 hour
EVLFLE57	LE-57	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE57R	LE-57R	REPLACEMENT FOR LE-57	Yes	Interior	0.25 hour
EVLFLE58	LE-58	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE58R	LE-58R	REPLACEMENT FOR LE-58	Yes	Interior	0.25 hour
EVLFLE59	LE-59	Lateral Expansion Area Well	No	Interior	0.25 hour

Device Name	Alias	Description	Active	Location	Downtime (hours)
EVLLE59R	LE-59R	REPLACEMENT FOR LE-59	Yes	Interior	0.25 hour
EVLFLE62	LE-62	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE62R	LE-62R	REPLACEMENT FOR LE-62	Yes	Interior	0.25 hour
EVLFLE64	LE-64	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE65	LE-65	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE65R	LE-65R	REPLACEMENT FOR LE-65	Yes	Interior	0.25 hour
EVLFLE67	LE-67	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE70	LE-70	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFE70R	LE-70R	Replacement for LE-70	Yes	Interior	0.25 hour
EVLFLE71	LE-71	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE72	LE-72	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE73	LE-73	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE73R	LE-73R	Replacement for LE-73	Yes	Interior	0.25 hour
EVLFLE75	LE-75	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE76	LE-76	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFE76R	LE-76R	Replacement for LE-76	Yes	Interior	0.25 hour
EVLFLE78	LE-78	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE79	LE-79	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE80	LE-80	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE83	LE-83	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE84	LE-84	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE85	LE-85	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE86	LE-86	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFLE87	LE-87	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLLF114	LE-114	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLLE116	LE-116	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLLE117	LE-117	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLLE118	LE-118	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLLE119	LE-119	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLLE120	LE-120	Lateral Expansion Area Well	No	Interior	REPLACED
EVLE120R	LE-120R	REPLACEMENT FOR LE-120	Yes	Interior	0.25 hour
EVLLE121	LE-121	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLLE122	LE-122	Lateral Expansion Area Well	No	Interior	REPLACED
EVLE122R	LE-122R	REPLACEMENT FOR LE-122	Yes	Interior	0.25 hour
EVLLE127	LE-127	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLLE130	LE-130	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLLE143	LE-143	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLLE145	LE-145	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLLE146	LE-146	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLLE151	LE-151	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLLE154	LE-154	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1000	EW-1000	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1002	EW-1002	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1003	EW-1003	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1006	EW-1006	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1007	EW-1007	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1008	EW-1008	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1009	EW-1009	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1010	EW-1010	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1011	EW-1011	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1012	EW-1012	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1014	EW-1014	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1017	EW-1017	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1018	EW-1018	Lateral Expansion Area Well	Yes	Interior	0.25 hour

Device Name	Alias	Description	Active	Location	Downtime (hours)
EVEW1022	EW-1022	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1024	EW-1024	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1025	EW-1025	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1027	EW-1027	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1028	EW-1028	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1055	EW-1055	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1056	EW-1056	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1057	EW-1057	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1058	EW-1058	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1059	EW-1059	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1060	EW-1060	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1061	EW-1061	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVEW1067	EW-1067	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFTD1A	TD-1A	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFTD1B	TD-1B	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFTD02	TD-2	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EWEVOT10	OT-10	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EWEVOT11	OT-11	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EWEVOT12	OT-12	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EWEVOT13	OT-13	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EWEVOT14	OT-14	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EWEVOT15	OT-15	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EWEVOT16	OT-16	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EWEVOT17	OT-17	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EWEVOT18	OT-18	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EWEVOT19	OT-19	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EWEVOT20	OT-20	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EWEVOT21	OT-21	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EWEVOT22	OT-22	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EWEVOT23	OT-23	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EWEVOT24	OT-24	Lateral Expansion Area Well	Yes	Interior	0.25 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	0.25 hour
EVLFHGC4	HGC-4	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFHGC5	HGC-5	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFHGC6	HGC-6	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLFHGC7	HGC-7	Lateral Expansion Area Well	Yes	Interior	0.25 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	0.25 hour
EVHGC10A	HGC-10A	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVHGC10B	HGC-10B	Lateral Expansion Area Well	Yes	Interior	0.25 hour
EVLHGC12	HGC-12	Lateral Expansion Area Well	Yes	Interior	0.25 hour
Old Hill Gas Wells					
TOTIEW01	EW-01	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW02	EW-02	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW03	EW-03	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW04	EW-04	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW05	EW-05	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW06	EW-06	Old Hill Extraction Well	No	Interior	REPLACED
TOTIEW6R	EW-6R	Replacement for EW-6	Yes	Interior	0.25 hour
TOTIEW07	EW-07	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW08	EW-08	Old Hill Extraction Well	No	Interior	0.25 hour

Device Name	Alias	Description	Active	Location	Downtime (hours)
TOTIEW09	EW-09	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW10	EW-10	Old Hill Extraction Well	No	Interior	REPLACED
TOTEW10R	EW-10R	Replacement for EW-10	Yes	Interior	0.25 hour
TOTIEW11	EW-11	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW12	EW-12	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW13	EW-13	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW14	EW-14	Old Hill Extraction Well	No	Interior	REPLACED
TOTEW14R	EW-14R	Replacement for EW-14	Yes	Interior	0.25 hour
TOTIEW15	EW-15	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW16	EW-16	Old Hill Extraction Well	No	Interior	shut off 5.16
TOTIEW17	EW-17	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW18	EW-18	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW19	EW-19	Old Hill Extraction Well	No	Interior	shut off 5.16
TOTIEW20	EW-20	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW21	EW-21	Old Hill Extraction Well	No	Interior	shut off 5.16
TOTIEW22	EW-22	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW23	EW-23	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW24	EW-24	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW25	EW-25	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW26	EW-26	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW27	EW-27	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW28	EW-28	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW29	EW-29	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW30	EW-30	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW31	EW-31	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW32	EW-32	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW33	EW-33	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW34	EW-34	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW35	EW-35	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW36	EW-36	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW37	EW-37	Old Hill Extraction Well	No	Interior	REPLACED
TOTEW37R	EW-37R	REPLACEMENT FOR EW-37	Yes	Interior	0.25 hour
TOTIEW38	EW-38	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW39	EW-39	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW40	EW-40	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW41	EW-41	Old Hill Extraction Well	No	Interior	REPLACED
TOTEW41R	EW-41R	REPLACEMENT FOR EW-41	Yes	Interior	0.25 hour
TOTIEW42	EW-42	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW43	EW-43	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW44	EW-44	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW45	EW-45	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW46	EW-46	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW47	EW-47	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW48	EW-48	Old Hill Extraction Well	No	Interior	REPLACED
TOTEW48R	EW-48R	REPLACEMENT FOR EW-48	Yes	Interior	0.25 hour
TOTIEW49	EW-49	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW50	EW-50	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW51	EW-51	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW52	EW-52	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW53	EW-53	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW54	EW-54	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW55	EW-55	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW56	EW-56	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW57	EW-57	Old Hill Extraction Well	Yes	Interior	0.25 hour

Device Name	Alias	Description	Active	Location	Downtime (hours)
TOTIEW58	EW-58	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW59	EW-59	Old Hill Extraction Well	Yes	Interior	0.25 hour
TOTIEW60	EW-60	Old Hill Extraction Well	Yes	Interior	0.25 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 Stutts 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): 8.11.23-power outage 0.25 hour

File Path: D:\DROPBOX (PROMUS ENGINEERING)\PROJECTS-ACTIVE\200130-WMEV-GCCS-CQA\DRAWINGS\WMEV-UPDATED SITE PLAN.DWG
Date: 8/27/2020 10:21 AM
Last Saved By: JONATHANKING

NOTE:

1. 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.

2. PROPERTY BOUNDARY, WASTE LIMITS, AND DISPOSAL AREAS, WERE OBTAINED FROM CAD FILES PROVIDED BY THE OWNER AND ARE APPROXIMATE.

3. 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:

WASTE MANAGEMENT

PREPARED BY:

PROMUS ENGINEERING
www.promusengineering.com

GENERAL SITE PLAN - 2020

GCCS SYSTEM CONFIGURATION
ECO VISTA CLASS 1 LANDFILL
TONTITOWN, ARKANSAS

PROJECT NO.: 200130
SHEET NUMBER
1

ATTACHMENT G

Laboratory Analytical Report & Field Forms

ANALYTICAL REPORT

August 10, 2023

Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1642293
Samples Received:	08/03/2023
Project Number:	300
Description:	Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, Dec
Site:	AR03
Report To:	Jodi Reynolds 88 Joyce Lane Russellville, AR 72801

Entire Report Reviewed By:

Stacy Kennedy
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

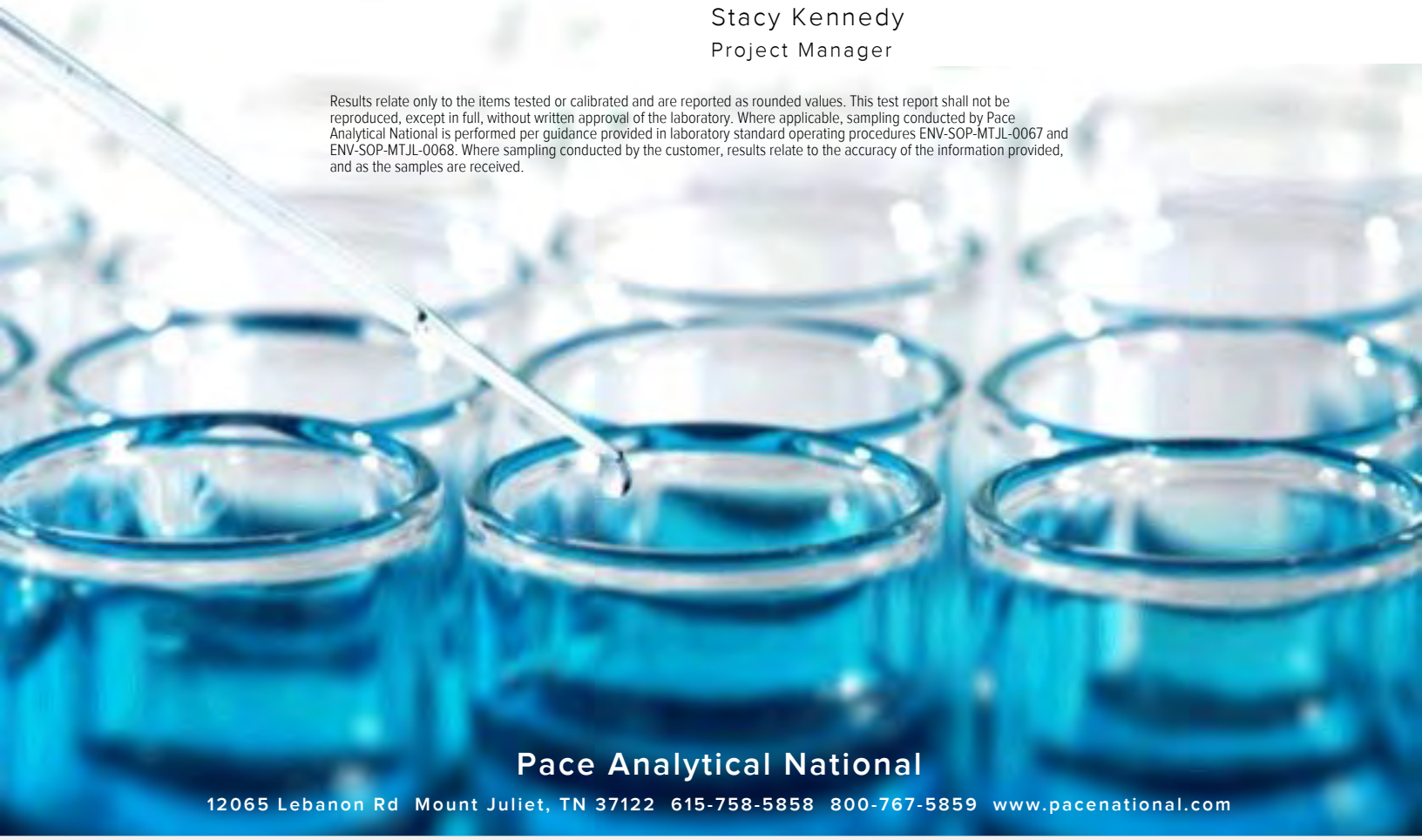


TABLE OF CONTENTS

LGW-6-DUP L1642293-01 GW

Collected by: Chris Fincher | Collected date/time: 08/02/23 07:00 | Received date/time: 08/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2107784	1	08/05/23 00:46	08/05/23 00:46	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107783	1	08/04/23 11:48	08/04/23 11:48	GEB	Mt. Juliet, TN

LGW-2 L1642293-02 GW

Collected by: Chris Fincher | Collected date/time: 08/01/23 19:05 | Received date/time: 08/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2107784	1	08/05/23 00:51	08/05/23 00:51	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107783	1	08/04/23 12:55	08/04/23 12:55	GEB	Mt. Juliet, TN

LGW-3R L1642293-03 GW

Collected by: Chris Fincher | Collected date/time: 08/02/23 09:45 | Received date/time: 08/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2107784	1	08/05/23 00:57	08/05/23 00:57	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107783	1	08/04/23 13:47	08/04/23 13:47	GEB	Mt. Juliet, TN

LGW-4 L1642293-04 GW

Collected by: Chris Fincher | Collected date/time: 08/02/23 10:25 | Received date/time: 08/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2107784	1	08/05/23 00:58	08/05/23 00:58	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107783	1	08/04/23 14:04	08/04/23 14:04	GEB	Mt. Juliet, TN

LGW-5 L1642293-05 GW

Collected by: Chris Fincher | Collected date/time: 08/02/23 11:05 | Received date/time: 08/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2107784	1	08/05/23 01:00	08/05/23 01:00	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107783	1	08/04/23 14:20	08/04/23 14:20	GEB	Mt. Juliet, TN

LGW-6 L1642293-06 GW

Collected by: Chris Fincher | Collected date/time: 08/02/23 12:25 | Received date/time: 08/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2107784	1	08/05/23 01:01	08/05/23 01:01	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107783	1	08/04/23 14:37	08/04/23 14:37	GEB	Mt. Juliet, TN

LGW-7 L1642293-07 GW

Collected by: Chris Fincher | Collected date/time: 08/01/23 17:00 | Received date/time: 08/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2107784	1	08/05/23 01:03	08/05/23 01:03	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107783	1	08/04/23 14:54	08/04/23 14:54	GEB	Mt. Juliet, TN

LGW-8R L1642293-08 GW

Collected by: Chris Fincher | Collected date/time: 08/01/23 16:10 | Received date/time: 08/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2107784	1	08/05/23 01:04	08/05/23 01:04	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107783	1	08/04/23 15:11	08/04/23 15:11	GEB	Mt. Juliet, TN

LGW-9 L1642293-09 GW

Collected by: Chris Fincher | Collected date/time: 08/01/23 15:25 | Received date/time: 08/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2107784	1	08/05/23 01:06	08/05/23 01:06	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107783	1	08/04/23 15:28	08/04/23 15:28	GEB	Mt. Juliet, TN

LGW-10 L1642293-10 GW

Collected by: Chris Fincher | Collected date/time: 08/01/23 18:25 | Received date/time: 08/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2107784	1	08/05/23 01:07	08/05/23 01:07	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107783	1	08/04/23 15:45	08/04/23 15:45	GEB	Mt. Juliet, TN

LGW-14R L1642293-11 GW

Collected by: Chris Fincher | Collected date/time: 08/02/23 11:45 | Received date/time: 08/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2107784	1	08/05/23 01:09	08/05/23 01:09	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107783	1	08/04/23 16:01	08/04/23 16:01	GEB	Mt. Juliet, TN

MW-7N L1642293-12 GW

Collected by: Chris Fincher | Collected date/time: 08/01/23 17:50 | Received date/time: 08/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2107784	1	08/05/23 01:10	08/05/23 01:10	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107783	1	08/04/23 16:18	08/04/23 16:18	GEB	Mt. Juliet, TN

MW-15 L1642293-13 GW

Collected by: Chris Fincher | Collected date/time: 08/01/23 14:15 | Received date/time: 08/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2107784	1	08/05/23 01:16	08/05/23 01:16	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107783	1	08/04/23 17:09	08/04/23 17:09	GEB	Mt. Juliet, TN

MW-16 L1642293-14 GW

Collected by: Chris Fincher | Collected date/time: 08/01/23 13:30 | Received date/time: 08/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2107784	1	08/05/23 01:18	08/05/23 01:18	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107783	1	08/04/23 17:26	08/04/23 17:26	GEB	Mt. Juliet, TN

MW-17 L1642293-15 GW

Collected by: Chris Fincher | Collected date/time: 08/02/23 14:15 | Received date/time: 08/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2107784	1	08/05/23 01:19	08/05/23 01:19	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107783	1	08/04/23 17:43	08/04/23 17:43	GEB	Mt. Juliet, TN

MW-19 L1642293-16 GW

Collected by: Chris Fincher | Collected date/time: 08/01/23 19:40 | Received date/time: 08/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2107784	1	08/05/23 01:21	08/05/23 01:21	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107783	1	08/04/23 18:00	08/04/23 18:00	GEB	Mt. Juliet, TN

FB L1642293-17 GW

Collected by: Chris Fincher | Collected date/time: 08/01/23 13:20 | Received date/time: 08/03/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2107784	1	08/05/23 01:22	08/05/23 01:22	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107783	1	08/04/23 18:17	08/04/23 18:17	GEB	Mt. Juliet, TN

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

Stacy Kennedy
Project Manager

Project Comments

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

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

Analyte	Result	Units
pH (On Site)	5	su
Specific Conductance (on site)	774	umhos/cm
Temperature (on-site)	19.5	Deg. C
Turbidity (on-site)	5.1	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	186.6	mV
Depth to water (DTW) (FROM TOC)	50.65	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/05/2023 00:46	WG2107784

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	15.5		3.00	1	08/04/2023 11:48	WG2107783

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

Analyte	Result	Units
pH (On Site)	4.92	su
Specific Conductance (on site)	610	umhos/cm
Temperature (on-site)	23.6	Deg. C
Turbidity (on-site)	5.9	NTU
Dissolved Oxygen (on-site)	6.6	mg/l
eH/ORP (On Site)	178.5	mV
Depth to water (DTW) (FROM TOC)	72.45	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/05/2023 00:51	WG2107784

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	10.6		3.00	1	08/04/2023 12:55	WG2107783

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

Analyte	Result	Units
pH (On Site)	3.44	su
Specific Conductance (on site)	107	umhos/cm
Temperature (on-site)	19.5	Deg. C
Turbidity (on-site)	10.2	NTU
Dissolved Oxygen (on-site)	5.9	mg/l
eH/ORP (On Site)	260.9	mV
Depth to water (DTW) (FROM TOC)	55.55	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/05/2023 00:57	WG2107784

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	5.29		3.00	1	08/04/2023 13:47	WG2107783

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

Analyte	Result	Units
pH (On Site)	5.39	su
Specific Conductance (on site)	776	umhos/cm
Temperature (on-site)	18.5	Deg. C
Turbidity (on-site)	7.8	NTU
Dissolved Oxygen (on-site)	2	mg/l
eH/ORP (On Site)	179.6	mV
Depth to water (DTW) (FROM TOC)	60.64	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/05/2023 00:58	WG2107784

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	18.3		3.00	1	08/04/2023 14:04	WG2107783

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

Analyte	Result	Units
pH (On Site)	5.6	su
Specific Conductance (on site)	851	umhos/cm
Temperature (on-site)	23	Deg. C
Turbidity (on-site)	4.5	NTU
Dissolved Oxygen (on-site)	1.6	mg/l
eH/ORP (On Site)	193.9	mV
Depth to water (DTW) (FROM TOC)	70.31	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/05/2023 01:00	WG2107784

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	33.2		3.00	1	08/04/2023 14:20	WG2107783

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

Analyte	Result	Units
pH (On Site)	5	su
Specific Conductance (on site)	774	umhos/cm
Temperature (on-site)	19.5	Deg. C
Turbidity (on-site)	5.1	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	186.6	mV
Depth to water (DTW) (FROM TOC)	50.65	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/05/2023 01:01	WG2107784

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	15.7		3.00	1	08/04/2023 14:37	WG2107783

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

Analyte	Result	Units
pH (On Site)	4.49	su
Specific Conductance (on site)	567	umhos/cm
Temperature (on-site)	20	Deg. C
Turbidity (on-site)	3.9	NTU
Dissolved Oxygen (on-site)	2.8	mg/l
eH/ORP (On Site)	184.7	mV
Depth to water (DTW) (FROM TOC)	43.4	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/05/2023 01:03	WG2107784

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	15.3		3.00	1	08/04/2023 14:54	WG2107783

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

Analyte	Result	Units
pH (On Site)	4.2	su
Specific Conductance (on site)	727	umhos/cm
Temperature (on-site)	18.9	Deg. C
Turbidity (on-site)	4.1	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	187.6	mV
Depth to water (DTW) (FROM TOC)	10.95	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/05/2023 01:04	WG2107784

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	18.9		3.00	1	08/04/2023 15:11	WG2107783

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

Analyte	Result	Units
pH (On Site)	3.96	su
Specific Conductance (on site)	780	umhos/cm
Temperature (on-site)	19.1	Deg. C
Turbidity (on-site)	3.9	NTU
Dissolved Oxygen (on-site)	0.5	mg/l
eH/ORP (On Site)	201.9	mV
Depth to water (DTW) (FROM TOC)	54.48	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/05/2023 01:06	WG2107784

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	36.0		3.00	1	08/04/2023 15:28	WG2107783

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

Analyte	Result	Units
pH (On Site)	3.83	su
Specific Conductance (on site)	820	umhos/cm
Temperature (on-site)	18.6	Deg. C
Turbidity (on-site)	5.7	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	196	mV
Depth to water (DTW) (FROM TOC)	59.54	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/05/2023 01:07	WG2107784

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	22.1		3.00	1	08/04/2023 15:45	WG2107783

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

Analyte	Result	Units
pH (On Site)	5.93	su
Specific Conductance (on site)	648	umhos/cm
Temperature (on-site)	21.6	Deg. C
Turbidity (on-site)	4.4	NTU
Dissolved Oxygen (on-site)	4.9	mg/l
eH/ORP (On Site)	165.5	mV
Depth to water (DTW) (FROM TOC)	56.3	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/05/2023 01:09	WG2107784

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	5.39		3.00	1	08/04/2023 16:01	WG2107783

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

Analyte	Result	Units
pH (On Site)	4.41	su
Specific Conductance (on site)	577	umhos/cm
Temperature (on-site)	19.4	Deg. C
Turbidity (on-site)	7.6	NTU
Dissolved Oxygen (on-site)	5	mg/l
eH/ORP (On Site)	186	mV
Depth to water (DTW) (FROM TOC)	87.5	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/05/2023 01:10	WG2107784

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	31.5		3.00	1	08/04/2023 16:18	WG2107783

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

Analyte	Result	Units
pH (On Site)	4.04	su
Specific Conductance (on site)	576	umhos/cm
Temperature (on-site)	18.7	Deg. C
Turbidity (on-site)	6.9	NTU
Dissolved Oxygen (on-site)	5.6	mg/l
eH/ORP (On Site)	196.7	mV
Depth to water (DTW) (FROM TOC)	58.63	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/05/2023 01:16	WG2107784

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	37.6		3.00	1	08/04/2023 17:09	WG2107783

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

Analyte	Result	Units
pH (On Site)	4.87	su
Specific Conductance (on site)	374	umhos/cm
Temperature (on-site)	20.1	Deg. C
Turbidity (on-site)	4.2	NTU
Dissolved Oxygen (on-site)	6.8	mg/l
eH/ORP (On Site)	177.4	mV
Depth to water (DTW) (FROM TOC)	73.52	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/05/2023 01:18	WG2107784

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	4.21		3.00	1	08/04/2023 17:26	WG2107783

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

Analyte	Result	Units
pH (On Site)	6.07	su
Specific Conductance (on site)	336	umhos/cm
Temperature (on-site)	21.4	Deg. C
Turbidity (on-site)	11.7	NTU
Dissolved Oxygen (on-site)	7.5	mg/l
eH/ORP (On Site)	165.2	mV
Depth to water (DTW) (FROM TOC)	60.31	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/05/2023 01:19	WG2107784

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	7.10		3.00	1	08/04/2023 17:43	WG2107783

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

Analyte	Result	Units
pH (On Site)	5.5	su
Specific Conductance (on site)	310	umhos/cm
Temperature (on-site)	19.9	Deg. C
Turbidity (on-site)	4.5	NTU
Dissolved Oxygen (on-site)	8	mg/l
eH/ORP (On Site)	152.4	mV
Depth to water (DTW) (FROM TOC)	68.1	ft

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/05/2023 01:21	WG2107784

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	7.84		3.00	1	08/04/2023 18:00	WG2107783

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/05/2023 01:22	WG2107784

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	ND		3.00	1	08/04/2023 18:17	WG2107783

Method Blank (MB)

(MB) R3957165-1 08/05/23 00:37

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

L1642044-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1642044-01 08/05/23 00:43 • (DUP) R3957165-3 08/05/23 00:45

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	1.94	1.93	1	0.724		10

L1642293-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1642293-17 08/05/23 01:22 • (DUP) R3957165-6 08/05/23 01:24

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

Laboratory Control Sample (LCS)

(LCS) R3957165-2 08/05/23 00:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.33	97.8	90.0-110	

L1642293-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1642293-01 08/05/23 00:46 • (MS) R3957165-4 08/05/23 00:48 • (MSD) R3957165-5 08/05/23 00:49

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	ND	4.88	4.88	97.6	97.6	1	90.0-110			0.000	10

L1642293-17 Original Sample (OS) • Matrix Spike (MS)

(OS) L1642293-17 08/05/23 01:22 • (MS) R3957165-7 08/05/23 01:25

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

Method Blank (MB)

(MB) R3958712-1 08/04/23 10:18

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

L1642293-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1642293-01 08/04/23 11:48 • (DUP) R3958712-3 08/04/23 12:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	15.5	15.5	1	0.288		15

L1642293-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1642293-17 08/04/23 18:17 • (DUP) R3958712-6 08/04/23 18:34

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

Laboratory Control Sample (LCS)

(LCS) R3958712-2 08/04/23 10:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.1	97.8	80.0-120	

L1642293-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1642293-01 08/04/23 11:48 • (MS) R3958712-4 08/04/23 12:22 • (MSD) R3958712-5 08/04/23 12:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	15.5	65.2	65.5	99.4	100	1	80.0-120			0.465	15

L1642293-17 Original Sample (OS) • Matrix Spike (MS)

(OS) L1642293-17 08/04/23 18:17 • (MS) R3958712-7 08/04/23 18:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	ND	49.7	98.0	1	80.0-120	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

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

88 Joyce Lane
Russellville, AR 72801

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

Pres Chk

Report to: **Jodi Reynolds**

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

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

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project # **300**

Lab Project # **WMECOVISAR-00005**

Collected by (print): Chris Fowler

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Site/Facility ID # **AR03**

P.O. #

Quote #

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

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4	Remarks	Sample # (lab only)
~~LDS-9~~	Grab	GW				~~2~~	X	X		
~~LDS-10~~		GW				~~2~~	X	X		
~~LDS-11~~		GW				~~2~~	X	X		
~~LDS-12~~ LGW-6-Dup		GW	77.77	8.2.23	0700	2	X	X		-01
LGW-2		GW	74.10	8.1.23	1905	2	X	X		-02
LGW-3R		GW	56.00	8.2.23	0945	2	X	X		-03
LGW-4		GW	60.85	8.2.23	1025	2	X	X		-04
LGW-5		GW	71.35	8.2.23	1105	2	X	X		-05
LGW-6		GW	50.65	8.2.23	1225	2	X	X		-06
LGW-7		GW	43.95	8.1.23	1700	2	X	X		-07

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

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

SDG # L1642293
F042
Acctnum: WMECOVISAR
Template: T161046
Prelogin: P1011993
PM: 616 - Stacy Kennedy
PB: 7/17/23 C4m
Shipped Via: FedEX Ground

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

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

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 6337 2260 1211

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	8.2.23	1600			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.9 °C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/3/23 Time: 9:00	Hold: / Condition: NCF / OK

Chain of Custody Page 2 of 2

Pace® PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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

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

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

Report to:
Jodi Reynolds

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

City/State Collected:

Please Circle: PT MT CT ET

Phone: 501-993-8966

Client Project # 300

Lab Project # WMECOVISAR-00005

Collected by (print): Chris Fincher

Site/Facility ID # AR03

P.O. #

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

SDG # L1642293

Table #

Acctnum: WMECOVISAR
Template: T161046
Prelogin: P1011993
PM: 616 - Stacy Kennedy
PB: 7/17/23 CAM
Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4	Remarks	Sample # (lab only)
LGW-8R	Grab	GW	11.10	8.1.23	1610	2	X	X		-08
LGW-9	↓	GW	55.55	8.1.23	1525	2	X	X		-09
LGW-10		GW	61.65	8.1.23	1825	2	X	X		-10
LGW-14R		GW	58.85	8.2.23	1145	2	X	X		-11
MW-7N		GW	87.75	8.1.23	1750	2	X	X		-12
MW-15		GW	58.72	8.1.23	1415	2	X	X		-13
MW-16		GW	76.75	8.1.23	1330	2	X	X		-14
MW-17		GW	60.35	8.2.23	1415	2	X	X		-15
MW-19		GW	68.60	8.1.23	1940	2	X	X		-16
FB		GW	N/A	8.1.23	1320	2	X	X		-17

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

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

pH ______ Temp ______

Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier ________

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
[signature]	8-2-23	1600			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 6.8/1.8 °C 4.9±0=4.9 Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 08/03/23 Time: 0900	Hold: Condition: NCF / OK

FIELD INFORMATION FORM

WASTE MANAGEMENT

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: L1042293

PURGE INFO

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
08/02/23	1200				

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, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Device: Y or N — 0.45 µ or ____ µ (circle or fill in)

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: D — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): ____ (ft/msl)

Depth to Water (DTW) (from TOC): 50.65 (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)
1205	200 1st	5.69 1st	737 1st	19.8	6.9	2.1	182	50.65
1210	200 2nd	5.21 2nd	764 2nd	19.1	5.9	0.9	187.9	50.65
1215	200 3rd	5.02 3rd	772 3rd	19.7	5.2	0.5	187.5	50.65
1220	200 4th	5.01 4th	772 4th	19.6	5.1	0.4	187.1	50.65
1225	200	5.00	774	19.5	5.1	0.4	186.6	50.65
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)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: / Units
08/02/23	5.00	774	19.5	5.1	0.4	186.6	

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.*

FIELD COMMENTS

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):

Dup @ 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):

Date	Name	Signature	Company
8/2/23	C. Fincher		Arcadis

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

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: EVLF

Site No.: ____ Sample Point: LGW-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: 1164293

PURGE INFO

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
080123	1835	:			

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: [X] or [N]

Filter Device: [Y] or [X] [0.45 µ] or [ ] µ (circle or fill in)

Purging Device: C
Sampling Device: C
X-Other:

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: D (A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:)

WELL DATA

Well Elevation (at TOC): (ft/msl)
Depth to Water (DTW) (from TOC): 72.45 (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)
1840	200	1st	4.54	1st	628	1st	23.2	14.5	6.3	174.9	72.75
1845	200	2nd	4.70	2nd	611	2nd	23.6	22.2	7.4	175.4	73.55
1850	200	3rd	4.79	3rd	611	3rd	23.7	9.4	7.0	176.9	73.75
1855	200	4th	4.88	4th	611	4th	23.7	7.9	6.7	177.6	73.85
1900	200		4.90		610		23.8	6.2	6.7	177.9	74.05
1905	200		4.92		610		23.6	5.9	6.6	178.5	74.1
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)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
080123	4.92	610	23.6	5.9	6.6	178.5	

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.*

FIELD COMMENTS

Sample Appearance: clear Odor: none Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: 90's 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):

Date	Name	Signature	Company
8/1/23	C. Finch		Prowns

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

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: EVLF

Site No.: ____ Sample Point: 2GW-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: C1642093

PURGE INFO

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
08/02/23	09:15				

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

Sampling Device: C

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston 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, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): ____ (ft/msl)

Depth to Water (DTW) (from TOC): 5555 (ft)

Groundwater Elevation (site datum, from TOC): ____ (ft/msl)

Total Well Depth (from TOC): ____ (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: ____ (in)

Casing Material: ____

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)
09:20	200 1st	6.25 1st	1212	20.0	7.03	8.2	186.4	55.75
09:25	200 2nd	3.70 2nd	1107	19.4	1.22	6.0	255.1	55.75
09:30	~~200~~ 3rd	3.51 3rd	1105	19.4	1.08	5.9	259.5	56.0
09:35	200 4th	3.46 4th	1105	19.4	1.09	5.9	260.4	56.0
09:40	200	3.42	1106	19.6	1.05	5.9	261.9	56.0
09:45	200	3.44	1107	19.5	1.02	5.9	260.9	56.0
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)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
08/02/23	3.44	1107	19.5	1.02	5.9	260.9	

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.*

FIELD COMMENTS

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):

Date	Name	Signature	Company
8/2/23	C. Fowler		Rooms

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

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: EVLF
Site No.:
Sample Point: LGW-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: 610482293

PURGE INFO

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
08 02 23	1010				

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: [X] or [N]

Purging Device [C]
Sampling Device [C]
X-Other:

A- Submersible Pump
B-Peristaltic Pump
C-QED Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

Filter Device: [Y] or [N] [0.45 µ] or [ ] µ (circle or fill in)
Filter Type: [ ]
A-In-line Disposable B-Pressure C-Vacuum X-Other
Sample Tube Type: [D]
A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other:

WELL DATA

Well Elevation (at TOC): (ft/msl)
Depth to Water (DTW) (from TOC): 60.64 (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)
1015	200 1st	5.21 1st	7.43	19.2	7.8	7.6	198	60.85
1020	200 2nd	5.36 2nd	7.76	18.7	8.0	3.0	182	60.85
1025	200 3rd	5.38 3rd	7.77	18.7	7.9	2.4	179	60.85
1030	200 4th	5.38 4th	7.76	18.7	8.0	2.2	179	60.85
1035	200	5.39	7.76	18.5	7.8	2.0	179	60.85
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)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
08 02 23	5.39	7.76	18.5	7.8	2.0	179.6	

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.*

FIELD COMMENTS

Sample Appearance: Clear Odor: none Color: Clear Other:

Weather Conditions (required daily, or as conditions change): Sunny 90s Direction/Speed: Calm Outlook: Sunny 100° 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):

Date	Name	Signature	Company
8/2/23	C. Finaber		Proms

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

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

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: C1642293

PURGE INFO

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
08/02/23	1040				

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: [X] or [N]

Filter Device: [Y] or [N] [0.45 µ] or [ ] µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: ____ A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sampling Device: C

X-Other: ____

Sample Tube Type: D — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): ____ (ft/msl)

Depth to Water (DTW) (from TOC): 70.31 (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)
1045	200 1st	5.50 1st	769	23.6	4.8	5.6	176.5	71.35
1050	200 2nd	5.64 2nd	772	23.6	4.6	5.9	188.1	71.35
1055	200 3rd	5.62 3rd	841	23.2	4.5	1.9	193.3	71.35
1110	200 4th	5.61 4th	848	23.0	4.5	1.7	193.8	71.35
1115	200	5.60	851	23.0	4.5	1.6	193.9	71.35
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)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: / Units
080223	5.60	851	23.0	4.5	1.6	193.9	

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):

Date	Name	Signature	Company
8/2/23	C. Fincher		Ramm

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

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: EVLF

Site No.: ____ Sample Point: LGW-7 (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: L1642293

PURGE INFO

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
08/01/23	1630	:			

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: [X] or [N]

Filter Device: [Y] or [X] [0.45 µ] or [ ] µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Filter Type: [ ] — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: D — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
(ft/msl)	43.40 (ft)	(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)
1635	200 1st	5.03 1st	534	20.5	4.5	5.4	172.4	43.9
1640	200 2nd	4.68 2nd	528	20.4	4.1	3.5	177.7	43.95
1645	200 3rd	4.61 3rd	548	20.0	4.1	3.1	180.6	43.95
1650	200 4th	4.56 4th	552	20.0	4.0	3.0	182.1	43.95
1655	200	4.52	559	20.0	4.1	2.9	183.2	43.95
1710	200	4.49	567	20.0	3.9	2.8	184.7	43.95
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)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
08/01/23	4.49	567	20.0	3.9	2.8	184.7	

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.*

FIELD COMMENTS

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):

Date	Name	Signature	Company
8/1/23	C. Fischer		Arcadis

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

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: EVLF

Site No.: | | | | |

Sample Point: LG W-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: C1642193

PURGE INFO

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
08 01 23	15:45	:			

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]

Sampling Device [C]

A- Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston 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 B-Pressure C-Vacuum X-Other

Sample Tube Type: [D] A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other:

WELL DATA

Well Elevation (at TOC): (ft/msl)

Depth to Water (DTW) (from TOC): 109.5 (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)
15:50	200	1st	4.10	1st	733		19.3	3.9	1.2	185.9	11.05
15:55	200	2nd	4.28	2nd	734		19.3	3.9	0.7	186.6	11.1
16:00	200	3rd	4.21	3rd	731		19.1	3.9	0.4	187.1	11.1
16:05	200	4th	4.21	4th	729		18.9	4.0	0.3	187.4	11.1
16:10	200		4.20		727		18.9	4.1	0.3	187.6	11.1
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)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
08 01 23	4.20	727	18.9	4.1	0.3	187.6	

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.*

FIELD COMMENTS

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):

Date	Name	Signature	Company
8/1/23	C. Fincher		Provus

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

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

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: L1642293

PURGE INFO

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
08 01 23	1500	:			

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: [X] or [N]

Purging Device [C]
Sampling Device [C]
X-Other:

A- Submersible Pump
B-Peristaltic Pump
C-QED Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

Filter Device: [Y] or [X] [0.45 µ] or [ ] µ (circle or fill in)

Filter Type: [ ]
A-In-line Disposable
B-Pressure
C-Vacuum
X-Other

Sample Tube Type: [D]
A-Teflon
B-Stainless Steel
C-PVC
D-Polypropylene
X-Other:

WELL DATA

Well Elevation (at TOC) (ft/msl)	Depth to Water (DTW) (from TOC) (ft)	Groundwater Elevation (site datum, from TOC) (ft/msl)
	54.48	

Total Well Depth (from TOC) (ft)	Stick Up (from ground elevation) (ft)	Casing ID (in)	Casing Material
		2	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)
1505	200 1st	4.34 1st	710 1st	19.7	39	6.3	194.6	55.45
1510	200 2nd	4.05 2nd	787 2nd	19.5	39	0.8	202.6	55.55
1515	200 3rd	4.01 3rd	786 3rd	19.1	38	0.5	202.3	55.55
1520	200 4th	3.99 4th	783 4th	19.1	38	0.5	202.1	55.55
1525	200	3.96	780	19.1	39	0.5	201.9	55.55
:								
:								
:								
:								
:								
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)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
08 01 23	3.96	780	19.1	39	0.5	201.9	

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.*

FIELD COMMENTS

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):

Date	Name	Signature	Company
8/1/23	C. Fischer		Stantec

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

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: EVLF

Site No.:

Sample Point: LGW-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: L1642293

PURGE INFO

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
08 01 23	1800	:			

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: [X] or [N]

Purging Device: C
Sampling Device: C
X-Other:

A- Submersible Pump
B-Peristaltic Pump
C-QED Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

Filter Device: [Y] or [X] [0.45 µ] or [ ] µ (circle or fill in)

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: D
A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): (ft/msl)

Depth to Water (DTW) (from TOC): 59.54 (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)
18:05	200 1st	3.70 1st	794	19.0	121	5.4	191.7	60.65
18:10	200 2nd	3.84 2nd	837	18.5	58	0.7	197.3	61.05
18:15	200 3rd	3.83 3rd	833	18.5	57	0.5	197.0	61.45
18:20	200 4th	3.83 4th	826	18.5	56	0.4	196.4	61.55
18:25	200	3.83	820	18.6	57	0.4	196.0	61.65
:								
:								
:								
:								
:								
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)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
08 01 23	3.83	820	18.6	57	0.4	196.0	

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.*

FIELD COMMENTS

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):

Date	Name	Signature	Company
8/1/23	C. Fincher		Barnes
/ /			

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

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

EVLF

No.: | | | | | Sample Point: 2 G W 1 4 R (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: C16122093

PURGE INFO

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
0 8 0 2 2 3	1 1 : 2 0	:			

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]
Sampling Device [C]
X-Other:

A- Submersible Pump
B-Peristaltic Pump
C-QED Bladder Pump
D-Bailer
E-Piston Pump
F-Dipper/Bottle

Filter Device: [Y] or [N] [0.45 µ] or [ ] µ (circle or fill in)

Filter Type: [ ]
A-In-line Disposable
B-Pressure
C-Vacuum
X-Other

Sample Tube Type: [D]
A-Teflon
B-Stainless Steel
C-PVC
D-Polypropylene
X-Other:

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
(ft/msl)	5 6 3 0 (ft)	(ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
(ft)	(ft)	2 (in)	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)
1 1 : 2 5	200 1st	6.95 1st	613 1st	22.1	4.5	7.6	157.1	58.10
1 1 : 3 0	200 2nd	6.09 2nd	649 2nd	21.4	4.4	5.1	163.5	58.85
1 1 : 3 5	200 3rd	5.99 3rd	646 3rd	21.6	4.5	5.0	164.5	58.85
1 1 : 4 0	200 4th	5.96 4th	648 4th	21.6	4.3	5.0	164.9	58.85
1 1 : 4 5	200	5.93	648	21.6	4.4	4.9	165.5	58.85
:								
:								
:								
:								
:								
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)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
0 8 0 2 2 3	5 9 3	6 4 8	2 1 6	4 4	4 9	1 6 5 5	

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):

Date	Name	Signature	Company
8/2/23	C. Fisher		Promus

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

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

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/Lab ID: L1642793

PURGE INFO

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
08/01/23	17:15				

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: [X] or [N]

Purging Device: C — Sampling Device: C — X-Other:

A- Submersible Pump; B-Peristaltic Pump; C-QED Bladder Pump; D-Bailer; E-Piston Pump; F-Dipper/Bottle

Filter Device: Y or [X] — 0.45 µ or ____ µ (circle or fill in)

Filter Type: ____ (A-In-line Disposable; B-Pressure; C-Vacuum; X-Other ____)

Sample Tube Type: D (A-Teflon; B-Stainless Steel; C-PVC; D-Polypropylene; X-Other: ____)

WELL DATA

Well Elevation (at TOC) (ft/msl)	Depth to Water (DTW) (from TOC) (ft)	Groundwater Elevation (site datum, from TOC) (ft/msl)
	87.50	

Total Well Depth (from TOC) (ft)	Stick Up (from ground elevation) (ft)	Casing ID (2 in)	Casing Material
		2	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)
17:20	200 1st	4.90 1st	584 1st	21.9	3.8	6.3	182.1	87.7
17:25	200 2nd	5.41 2nd	574 2nd	20.4	7.0	8.5	177.2	87.75
17:30	200 3rd	5.23 3rd	570 3rd	19.8	2.71	8.7	175.2	87.75
17:35	200 4th	4.85 4th	573 4th	19.7	1.91	7.3	178.7	87.75
17:40	200	4.48	576	19.5	8.0	5.2	184.9	87.75
17:45	200	4.44	577	19.5	8.9	5.0	185.8	87.75
17:50	200	4.41	577	19.4	7.6	5.0	186.0	87.75
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)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
08/01/23	4.41	577	19.4	7.6	5.0	186.0	

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):

Date	Name	Signature	Company
8/1/23	C. Fincher		Barnes

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

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

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: L1642293

PURGE INFO

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
08 01 23	13:50				

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: [X] Y or N

Filter Device: Y or [X] N — 0.45 µ or ___ µ (circle or fill in)

Purging Device: C
Sampling Device: C
X-Other:

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Type: ___ — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: D — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): ___ (ft/msl)
Depth to Water (DTW) (from TOC): 58.63 (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)
13:55	200	1st 4.60	1st 584	18.7	4.6	6.8	176.8	58.71
14:00	200	2nd 4.14	2nd 580	18.8	4.3	5.7	192.8	58.72
14:05	200	3rd 4.09	3rd 577	18.6	5.2	5.6	195.4	58.72
14:10	200	4th 4.06	4th 576	18.7	6.4	5.6	196.1	58.72
14:15	200	4.04	576	18.7	6.9	5.6	196.7	58.72
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)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
08 01 23	4.04	576	18.7	6.9	5.6	196.7	

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.*

FIELD COMMENTS

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):

Date	Name	Signature	Company
8/1/23	C. Finder	[signature]	Pomeroy
/ /			

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

ORIGINAL COPY

FIELD INFORMATION FORM

WM WASTE MANAGEMENT

Site Name: EVLF

Site No.:

Sample Point: MW-16 (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: L1642293

PURGE INFO

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
08 01 23	13:00	:			

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: [X] Y or N

Purging Device: C
Sampling Device: C
X-Other:

A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Filter Device: Y or [X] N — 0.45 μ or ___ μ (circle or fill in)

Filter Type: ___ — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: D — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): ___ (ft/msl)
Depth to Water (DTW) (from TOC): 73.52 (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)
13:05	200	1st 6.59	1st 380	20.4	4.4	6.7	165.4	75.75
13:10	200	2nd 5.28	2nd 375	19.9	4.3	6.9	168.4	76.15
13:15	200	3rd 5.08	3rd 375	20.0	4.3	6.9	170.4	76.25
13:20	200	4th 4.83	4th 375	20.2	4.4	6.9	175.3	76.45
13:25	200	4.86	374	20.1	4.3	6.8	176.2	76.6
13:30	200	4.87	374	20.1	4.2	6.8	177.4	76.75
:								
:								
:								
:								
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)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ___ Units ___
08 01 23	4.87	374	20.1	4.2	6.8	177.4	

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.*

FIELD COMMENTS

Sample Appearance: Clear Odor: none Color: Clear Other:

Weather Conditions (required daily, or as conditions change): Sunny Direction/Speed: SW @ 5-10 mph Outlook: Sunny, 100° Precipitation: Y or [X] N

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

FB @ 1320

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
8/1/23	C. Fincher	[signature]	Promac
/ /			

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

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

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: C1642293

PURGE INFO

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
08023	1330	:			

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

Sampling Device: A

A- Submersible Pump B-Peristaltic Pump C-QED Bladder Pump D-Bailer E-Piston 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 B-Pressure C-Vacuum X-Other

Sample Tube Type: D (A-Teflon B-Stainless Steel C-PVC D-Polypropylene X-Other:)

WELL DATA

Well Elevation (at TOC): (ft/msl)

Depth to Water (DTW) (from TOC): 60.31 (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)
13:35	250 1st	11.19 1st	5412	23.1	6012	5.6	141.5	60.35
13:40	250 2nd	7.96 2nd	5113	21.2	5215	4.8	135.9	60.35
13:45	275 3rd	6.69 3rd	4556	20.6	2571	5.7	136.8	60.35
13:50	275 4th	6.35 4th	3815	20.7	1967	6.7	146.2	60.35
13:55	275	6.10	3316	21.4	5557	7.4	161.2	60.35
14:00	275	6.06	3313	21.5	4019	7.4	162.5	60.35
14:05	275	6.11	3314	21.3	3510	7.5	163.6	60.35
14:10	275	6.08	3316	21.5	2011	7.5	165.0	60.35
14:15	275	6.07	3316	21.4	1117	7.5	165.2	60.35
:								
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)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
08023	6.07	336	21.4	1117	7.5	165.2	

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):

Date	Name	Signature	Company
8/2/23	C. Fincher		Proms

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

ORIGINAL COPY

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: EVLF

Site No.: | | | | |

Sample Point: MW-19

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: L1642293

PURGE INFO

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
08/01/23	19:15				

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: [X] or [N]

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Device: [Y] or [X N] — [0.45 µ] or [ ] µ (circle or fill in)

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: D — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
(ft/msl)	68.10 (ft)	(ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
(ft)	(ft)	2 (in)	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)
19:20	200 1st	5.70 1st	309 1st	20.2	4.7	7.8	159.6	68.5
19:25	200 2nd	5.52 2nd	313 2nd	20.0	4.4	7.7	155.9	68.6
19:30	200 3rd	5.49 3rd	312 3rd	19.9	4.2	7.9	153.4	68.6
19:35	200 4th	5.50 4th	311 4th	19.9	4.2	7.9	153.0	68.6
19:40	200	5.50	310	19.9	4.5	8.0	152.4	68.6
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)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: / Units
08/01/23	5.50	310	19.9	4.5	8.0	152.4	

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.*

FIELD COMMENTS

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):

Date	Name	Signature	Company
8/1/23	C. Fincher		Prons

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

ORIGINAL COPY

ANALYTICAL REPORT

August 13, 2023

Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1642810
Samples Received:	08/04/2023
Project Number:	300
Description:	Eco-Vista-GW-Feb, Mar, May, Jun, Aug, Sep, Nov, Dec
Site:	AR03
Report To:	Jodi Reynolds 88 Joyce Lane Russellville, AR 72801

Entire Report Reviewed By:

Stacy Kennedy
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

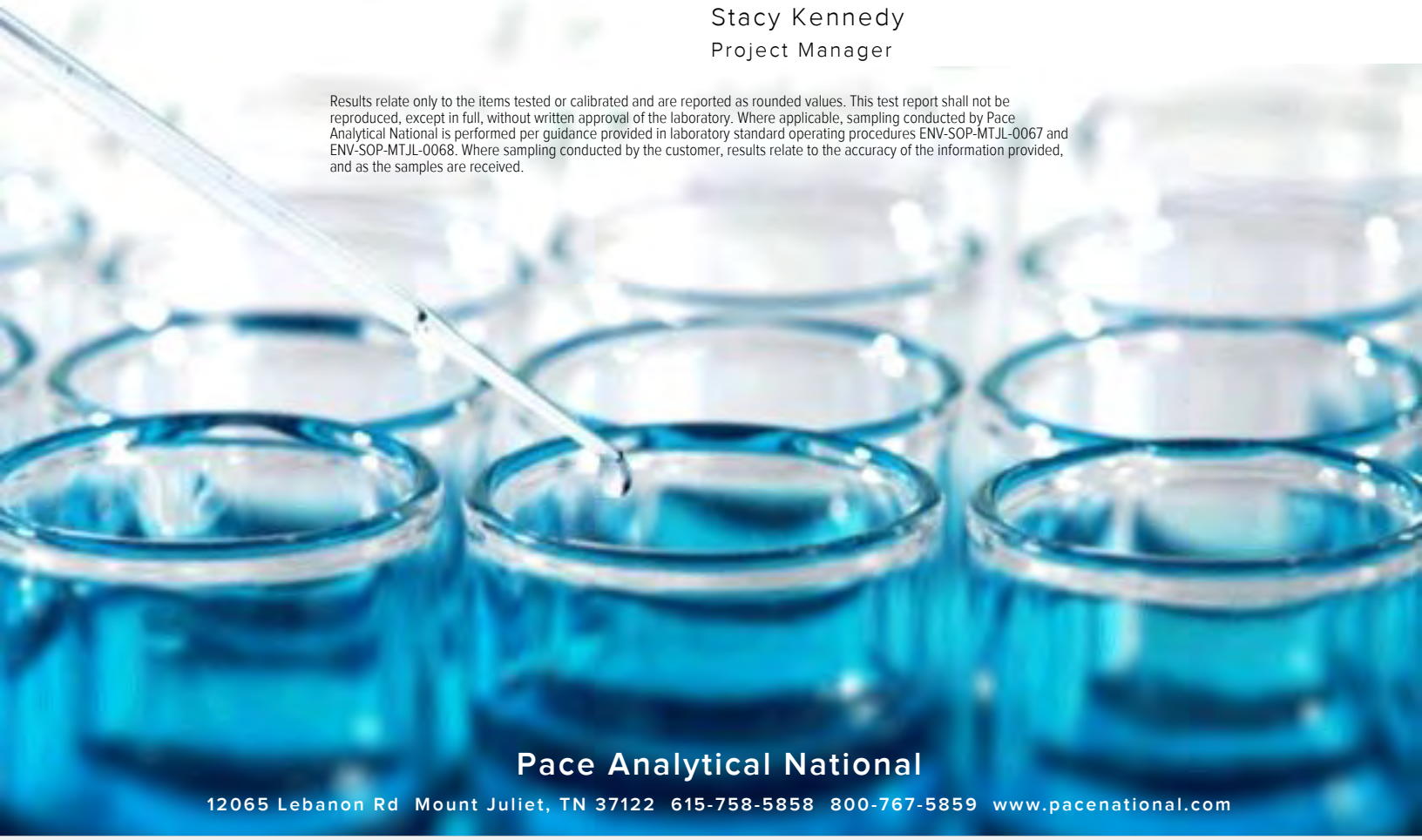


TABLE OF CONTENTS

LCS-1 L1642810-01 GW

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

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

LCS-2 L1642810-02 GW

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

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

LCS-3 L1642810-03 GW

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

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

LCS-4 L1642810-04 GW

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

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

LCS-5 L1642810-05 GW

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

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

LCS-6 L1642810-06 GW

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

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

LCS-7 L1642810-07 GW

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

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

LCS-8 L1642810-08 GW

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

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

LCS-9 L1642810-09 GW

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

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

LCS-10 L1642810-10 GW

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

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

LCS-11 L1642810-11 GW

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

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

LCS-12 L1642810-12 GW

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

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

LDS-1 L1642810-13 GW

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

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

LDS-2 L1642810-14 GW

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

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

LDS-3 L1642810-15 GW

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

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

LDS-4 L1642810-16 GW

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

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

LDS-5 L1642810-17 GW

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

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

LDS-6 L1642810-18 GW

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

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

LDS-7 L1642810-19 GW

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

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

LDS-8 L1642810-20 GW

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

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

LDS-9 L1642810-21 GW

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

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

LDS-10 L1642810-22 GW

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

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

LDS-11 L1642810-23 GW

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

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

LDS-12 L1642810-24 GW

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 350.1	WG2108634	100	08/06/23 14:48	08/06/23 14:48	BMD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2108443	100	08/05/23 16:54	08/05/23 16:54	GEB	Mt. Juliet, TN

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

Stacy Kennedy
Project Manager

Project Comments

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

Sample Delivery Group (SDG) Narrative

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

Batch	Method	Lab Sample ID
WG2108633	350.1	L1642810-01, 02, 03, 04, 05
WG2108634	350.1	L1642810-06, 07, 08, 09, 10, 11, 12, 15, 16, 17, 23, 24

Wet Chemistry by Method 9056A

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

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	912		15.8	500	08/06/2023 13:40	WG2108633

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

Analyte	Result	Units
pH (On Site)	7.87	su
Specific Conductance (on site)	23358	umhos/cm
Temperature (on-site)	31.8	Deg. C
Turbidity (on-site)	535.24	NTU
Dissolved Oxygen (on-site)	2.7	mg/l
eH/ORP (On Site)	174.9	mV

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

Analyte	Result	Units
pH (On Site)	10.05	su
Specific Conductance (on site)	20482	umhos/cm
Temperature (on-site)	32.8	Deg. C
Turbidity (on-site)	47.77	NTU
Dissolved Oxygen (on-site)	1.51	mg/l
eH/ORP (On Site)	163.9	mV

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

Analyte	Result	Units
pH (On Site)	6.71	su
Specific Conductance (on site)	4967	umhos/cm
Temperature (on-site)	31.5	Deg. C
Turbidity (on-site)	11.26	NTU
Dissolved Oxygen (on-site)	1.41	mg/l
eH/ORP (On Site)	126.8	mV

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

Analyte	Result	Units
pH (On Site)	8.09	su
Specific Conductance (on site)	3679	umhos/cm
Temperature (on-site)	33.2	Deg. C
Turbidity (on-site)	6.51	NTU
Dissolved Oxygen (on-site)	3.37	mg/l
eH/ORP (On Site)	146.5	mV

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Ammonia Nitrogen	30.1		3.17	100	08/06/2023 14:39	WG2108634

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

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

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

Wet Chemistry by Method 350.1

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

Wet Chemistry by Method 9056A

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

Method Blank (MB)

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

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

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

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

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

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

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

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

Laboratory Control Sample (LCS)

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

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.39	98.5	90.0-110	

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

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

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	2.63	7.67	7.84	101	104	1	90.0-110			2.17	10

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

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

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	ND	5.10	102	1	90.0-110	

Method Blank (MB)

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

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

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

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

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

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

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

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

Laboratory Control Sample (LCS)

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

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

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

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

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	25.0	17.5	42.9	42.1	102	98.6	5	90.0-110			1.79	10

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

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

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

QUALITY CONTROL SUMMARY

L1642810-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20

Method Blank (MB)

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

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

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

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

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

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

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

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

Laboratory Control Sample (LCS)

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

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

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

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

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	1520	1480	1500	0.000	0.000	10	80.0-120	V	V	1.59	15

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

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

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

Method Blank (MB)

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

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

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

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

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

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

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

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

Laboratory Control Sample (LCS)

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

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

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

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

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	41.5	90.2	88.5	97.4	94.0	1	80.0-120			1.92	15

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

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

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

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

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

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

Sample Narrative:

MS: Matrix spike failure due to matrix interference.

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

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

88 Joyce Lane
Russellville, AR 72801

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

Pres Chk

Report to:
Jodi Reynolds

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

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

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project #
300

Lab Project #
WMECOVISAR-00005

Collected by (print):
Chris Fincher

Site/Facility ID #
AR03

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Date Results Needed

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4								Remarks	Sample # (lab only)
LCS-1	Grab	GW	N/A	8.3.23	0700	2	X	X									-01
LCS-2		GW			0730	2	X	X									-02
LCS-3		GW			0830	2	X	X									-03
LCS-4		GW			0900	2	X	X									-04
LCS-5		GW			0930	2	X	X									-05
LCS-6		GW			1060	2	X	X									-06
LCS-7		GW			1030	2	X	X									-07
LCS-8		GW			1100	2	X	X									-08
LCS-9		GW			1130	2	X	X									-09
LCS-10		GW			1200	2	X	X									-10

Chain of Custody Page 1 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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

SDG # L1647810

Table # B105

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

Shipped Via: **FedEX Ground**

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

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

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 6841 8344 2348

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR
	8.3.23	1500		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: GBAB °C 1.9 to 1.9 Bottles Received: 48
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8.4.23 Time: 9:30

If preservation required by Login: Date/Time

PH-10BDH4321 TRC-2144141
CR6-20221V

Hold:

Condition: NCF / OK

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

88 Joyce Lane
Russellville, AR 72801

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

Pres Chk

Report to:
Jodi Reynolds

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

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

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project #
300

Lab Project #
WMECOVISAR-00005

Collected by (print):
Chris Fowler

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
Immediately
Packed on Ice N___ Y___

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

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

SDG # L1612810

Table #

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

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4	Remarks	Sample # (lab only)
LCS-11	Grab	GW	N/A	8.3.23	1230	2	X	X		-11
LCS-12		GW			1300	2	X	X		-12
LDS-1		GW			0715	2	X	X		-13
LDS-2		GW			0745	2	X	X		-14
LDS-3		GW			0845	2	X	X		-15
LDS-4		GW			0915	2	X	X		-16
LDS-5		GW			0945	2	X	X		-17
LDS-6		GW			1015	2	X	X		-18
LDS-7		GW			1045	2	X	X		-19
LDS-8		GW			1115	2	X	X		-20

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

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

pH _____ Temp _____
Flow _____ Other _____

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

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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

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

88 Joyce Lane
Russellville, AR 72801

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

Pres Chk

Report to:
Jodi Reynolds

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

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

City/State Collected:

Please Circle: PT MT CT ET

Phone: **501-993-8966**

Client Project #
300

Lab Project #
WMECOVISAR-00005

Collected by (print):
Chris Fincher

Site/Facility ID #
AR03

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Date Results Needed

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	NH3 250mlHDPE-H2SO4								Remarks	Sample # (lab only)
LDS-9	Grab	GW	N/A	8.3.23	1145	2	X	X									-21
LDS-10		GW			1715	2	X	X									-22
LDS-11		GW			1245	2	X	X									-23
LDS-12		GW			1315	2	X	X									-24
LGW-2		GW				2	X	X									
LGW-3R		GW				2	X	X									
LGW-4		GW				2	X	X									
LGW-5		GW				2	X	X									
LGW-6		GW				2	X	X									
LGW-7		GW				2	X	X									

Chain of Custody Page 3 of 3

Pace
PEOPLE ADVANCING SCIENCE

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

SDG # L1242810

Table #

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

Shipped Via: **FedEX Ground**

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

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

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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

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

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Laboratory Use Only / Lab I.D.: LL642810

Site Name: EVLF

Sample I.D.: LCS-1

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D (D - Direct, I - Indirect, V - Visual)

Sampling Equipment: S (D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other)

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)
08/03/2023	0700	7.18	18494	30.2	1840.31	0.91	194.5

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:

Date	Name	Signature	Company
8/3/23	C. Finder		Brown
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Site Name: EVLF

Sample I.D.: LCS-2

Laboratory Use Only / Lab I.D.: L1642810

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D (D - Direct, I - Indirect, V - Visual)

Sampling Equipment: S (D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other)

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)
08/3/2023	0730	6.65	17491	32.5	571.75	1.17	194.0

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:

Date	Name	Signature	Company
9/3/23	C. Finder		Brown S
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Laboratory Use Only / Lab I.D.: 1142810

Site Name: EVLF

Sample I.D. LCS-3

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: [D] D - Direct, I - Indirect, V - Visual

Sampling Equipment: [S] D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other [ ]

Sample Type: [G] 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)
08/03/2023	0830	7.35	14740	31.5	112.30	2.81	179.2

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: Yellow Other:

Sheen Present [Y] or [N] Foam Present: [X] or [N] Floating Solids: [Y] or [N]

Weather Conditions: (required daily, or as conditions change):

Direction/Speed: Precipitation: [Y] or [N]

Specific Comments:

Date	Name	Signature	Company
8/3/23	C. Fisher	[signature]	Roma
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Laboratory Use Only / Lab I.D.: U1642810

Site Name: EVLF

Sample I.D.: LCS-4

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D (D - Direct, I - Indirect, V - Visual)

Sampling Equipment: S (D - Dipper, S - Sample Bottle, T - Transfer Vessel, O - Other)

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)
08/03/2023	0900	7.82	18337	30.5	29.36	0.61	180.3

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: Brown Other:

Sheen Present [Y] or [N] Foam Present: [X] or [N] Floating Solids: [Y] or [N]

Weather Conditions: (required daily, or as conditions change):

Direction/Speed: Precipitation: [Y] or [N]

Specific Comments:

Date	Name	Signature	Company
8 13 23	C. Finder		Pioneer
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Laboratory Use Only / Lab I.D.: 412810

Site Name: EVLF

Sample I.D.: LCS-5

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: [D] D - Direct, I - Indirect, V - Visual

Sampling Equipment: [S] D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other [ ]

Sample Type: [ ] Grab / [C] 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)
08/03/2023	0930	7.48	30541	36.5	135.11	0.52	136.8

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:

Date	Name	Signature	Company
8/3/23	C. Fincher		Plowns
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Laboratory Use Only / Lab I.D.: L1642810

Site Name: EVLF

Sample I.D. LCS-6

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: [P] D - Direct I - Indirect V - Visual

Sampling Equipment: [S] D - Dipper T - Transfer Vessel S - Sample Bottle O - Other [ ]

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)
08/03/2023	1000	7.87	23358	31.8	535.24	2.70	174.9

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:

Date	Name	Signature	Company
8/3/23	C. Fowler		Barnes
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Laboratory Use Only / Lab I.D.: L1642810

Site Name: EVLF

Sample I.D. LCS-7

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: [P] D - Direct I - Indirect V - Visual

Sampling Equipment: [S] D - Dipper T - Transfer Vessel S - Sample Bottle O - Other [ ]

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)
08/03/2023	1030	7.52	25224	31.4	35.18	1.19	168.2

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:

Date	Name	Signature	Company
8/3/23	C. Fincher		Brams
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Laboratory Use Only / Lab I.D.: L1642810

Site Name: EVLF

Sample I.D.: LCS-8

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D — D - Direct, I - Indirect, V - Visual

Sampling Equipment: S — D - Dipper, T - Transfer Vessel, (S) - Sample Bottle, O - Other

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)
08/03/2023	1100	7.80	13899	34.5	2156.51	2.09	183.2

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:

Date	Name	Signature	Company
8/3/23	C. Fincher		Brown's
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Laboratory Use Only / Lab I.D.: L1642810

Site Name: EVLF

Sample I.D.: LCS-9

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D (D - Direct, I - Indirect, V - Visual)

Sampling Equipment: S (D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other)

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)
08/03/2023	1130	10.05	20482	32.8	47.77	1.51	163.9

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:

Date	Name	Signature	Company
8/3/23	C. Fischer		Power
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Laboratory Use Only / Lab I.D.: 460428810

Site Name: EVLF

Sample I.D.: LCS-10

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D (D - Direct, I - Indirect, V - Visual)

Sampling Equipment: S (D - Dipper, S - Sample Bottle, T - Transfer Vessel, O - Other)

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)
08/03/2023	1200	8.89	24227	36.4	79.91	0.35	154.5

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: yes Color: Brown Other:

Sheen Present [Y] or [N] Foam Present: [X] or [N] Floating Solids: [Y] or [N]

Weather Conditions: (required daily, or as conditions change):

Direction/Speed: Precipitation: [Y] or [N]

Specific Comments:

Date	Name	Signature	Company
8/3/23	C. Finder		Barnes
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Site Name: EVLF

Sample I.D. LCS-11

Laboratory Use Only / Lab I.D.: LL6472810

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D (D - Direct, I - Indirect, V - Visual)

Sampling Equipment: S (D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other)

Sample Type: G (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)
08/03/2023	1230	9.52	25601	34.3	1392.11	4.36	160.1

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: Black Other:

Sheen Present [Y] or [X] N Foam Present: [X] Y or [N] Floating Solids: [X] Y or [N]

Weather Conditions: (required daily, or as conditions change):

Direction/Speed: Precipitation: [Y] or [N]

Specific Comments:

Date	Name	Signature	Company
8/03/23	C. Fowler	[signature]	Barnes
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Site Name: EVLF

Sample I.D. LCS-12

Laboratory Use Only / Lab I.D.: L1642810

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D (D - Direct, I - Indirect, V - Visual)

Sampling Equipment: S (D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other)

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)
08/03/2023	1300	9.72	22798	34.8	1900.45	3.05	150.8

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:

Date	Name	Signature	Company
8/3/23	C. Fineler		Brown's
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Site Name: ELLF

Sample I.D. LDS-1

Laboratory Use Only / Lab I.D.: L1642810

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D — D - Direct, I - Indirect, V - Visual

Sampling Equipment: S — D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other

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)
08/03/2023	0715	6.71	4967	31.5	11.26	1.41	126.8

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:

Date	Name	Signature	Company
8/3/23	C. Finch		Brown's
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Site Name: ELLF

Sample I.D.: LDS-2

Laboratory Use Only / Lab I.D.: L1642810

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D (D - Direct, I - Indirect, V - Visual)

Sampling Equipment: S (D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other)

Sample Type: G (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)
08/03/2023	0745	6.82	4133	32.2	49.21	3.46	116.7

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:

Date	Name	Signature	Company
8/3/23	C. Fincher		Arcadis

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Laboratory Use Only / Lab I.D.: L1642810

Site Name: EVLF

Sample I.D.: LDS-3

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D — D - Direct, I - Indirect, V - Visual

Sampling Equipment: S — D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other

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)
08/03/2023	0845	6.97	19189	33.4	21.18	0.70	59.4

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: Orange 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:

Date	Name	Signature	Company
8/3/23	C. Fineberg		Praxis
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Site Name: EVLF

Sample I.D. LDS-4

Laboratory Use Only / Lab I.D.: LL642810

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D (D - Direct, I - Indirect, V - Visual)

Sampling Equipment: S (D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other)

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)
08/03/2023	0915	7.42	18479	30.7	702.61	1.31	159.2

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:

Date	Name	Signature	Company
8/3/23	C. Finder		Ramos
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Laboratory Use Only / Lab I.D.: L1642810

Site Name: EVLF

Sample I.D. LDS-5

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: [P] D - Direct I - Indirect V - Visual

Sampling Equipment: [S] D - Dipper T - Transfer Vessel S - Sample Bottle O - Other [ ]

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)
08/03/2023	0945	9.58	12.371	29.6	79.81	2.54	114.1

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: Brown Other:

Sheen Present [Y] or [N] Foam Present: [X] or [N] Floating Solids: [Y] or [N]

Weather Conditions: (required daily, or as conditions change):

Direction/Speed: Precipitation: [Y] or [N]

Specific Comments:

Date	Name	Signature	Company
8/3/23	C. Fincher		Ramos
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Laboratory Use Only / Lab I.D.: L1642810

Site Name: EVLF

Sample I.D.: LDS-6

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D (D - Direct, I - Indirect, V - Visual)

Sampling Equipment: S (D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other)

Sample Type: G (Grab / Composite) (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units) 7.9	CONDUCTIVITY (umhos/cm @ 25"C)	Temp 'C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
08/03/2023	1015	7.90	14487	31.9	5.00	1.92	177.9

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: YES Color: Orange 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:

Date	Name	Signature	Company
8/3/23	C. Fincher		Roms
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Site Name: EVLF

Sample I.D.: LDS-7

Laboratory Use Only / Lab I.D.: L1642810

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D (D - Direct, I - Indirect, V - Visual)

Sampling Equipment: S (D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other)

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)
08/03/2023	1045	8.94	6336	28.3	5.76	1.80	154.0

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:

Date	Name	Signature	Company
8/3/23	C. Fincher		Pinnacle
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Laboratory Use Only / Lab I.D.: 41042810

Site Name: EVLF

Sample I.D.: LDS-8

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D (D - Direct, I - Indirect, V - Visual)

Sampling Equipment: S (D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other)

Sample Type: G (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)
08/03/2023	1115	8.09	3679	33.2	6.51	3.37	146.5

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: Clear 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:

Date	Name	Signature	Company
8/3/23	C. Finch		Ramos
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Laboratory Use Only / Lab I.D.: L1642810

Site Name: EVLF

Sample I.D.: LDS-9

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: [D] D - Direct, I - Indirect, V - Visual

Sampling Equipment: [S] D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other [ ]

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)
08/03/2023	1145	8.52	2700	32.1	22.06	1.80	112.4

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: clear 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:

Date	Name	Signature	Company
8/3/23	C. Fincher		Barnes
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Laboratory Use Only / Lab I.D.: L1642810

Site Name: EVLF

Sample I.D.: LDS-10

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D — D - Direct, I - Indirect, V - Visual

Sampling Equipment: S — D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other

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)
08/03/2023	1215	8.41	24251	35.6	16.20	3.20	139.5

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:

Date	Name	Signature	Company
8/3/23	C. Fincher		Pramas
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Site Name: EVLF

Sample I.D.: LDS-11

Laboratory Use Only / Lab I.D.: L1642810

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D (D - Direct, I - Indirect, V - Visual)

Sampling Equipment: S (D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other)

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)
08/03/2023	1245	8.61	27728	30.2	120.16	0.61	132.5

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:

Date	Name	Signature	Company
8/3/23	C. Fincher		Ramos
/ /			

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate

WASTE MANAGEMENT

Laboratory Use Only / Lab I.D.: L1642810

Site Name: EVLF

Sample I.D.: LDS-12

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D (D - Direct, I - Indirect, V - Visual)

Sampling Equipment: S (D - Dipper, T - Transfer Vessel, S - Sample Bottle, O - Other)

Sample Type: G (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)
08/03/2023	1315	7.97	16619	36.5	89.03	0.89	137.1

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: orange Other:

Sheen Present Y or N Foam Present: Y or N Floating Solids: Y or N

Weather Conditions: (required daily, or as conditions change): Sunny, 100°

Direction/Speed: West @ 5-15 mph Precipitation: Y or N

Specific Comments:

Date	Name	Signature	Company
8/3/23	C. Kinder		Ramos

8/5-NCF-L1642810 WMECOVISAR

R5

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

Members

Hailey Melson (responsible) SK Stacy Kennedy

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

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

Comments

Hailey Melson *5 August 2023 8:30 AM*

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

Stacy Kennedy *5 August 2023 6:18 PM*

Noted. Proceed with analysis.

Troy Dunlap *7 August 2023 1:58 PM*

Done.

ANALYTICAL REPORT

August 16, 2023

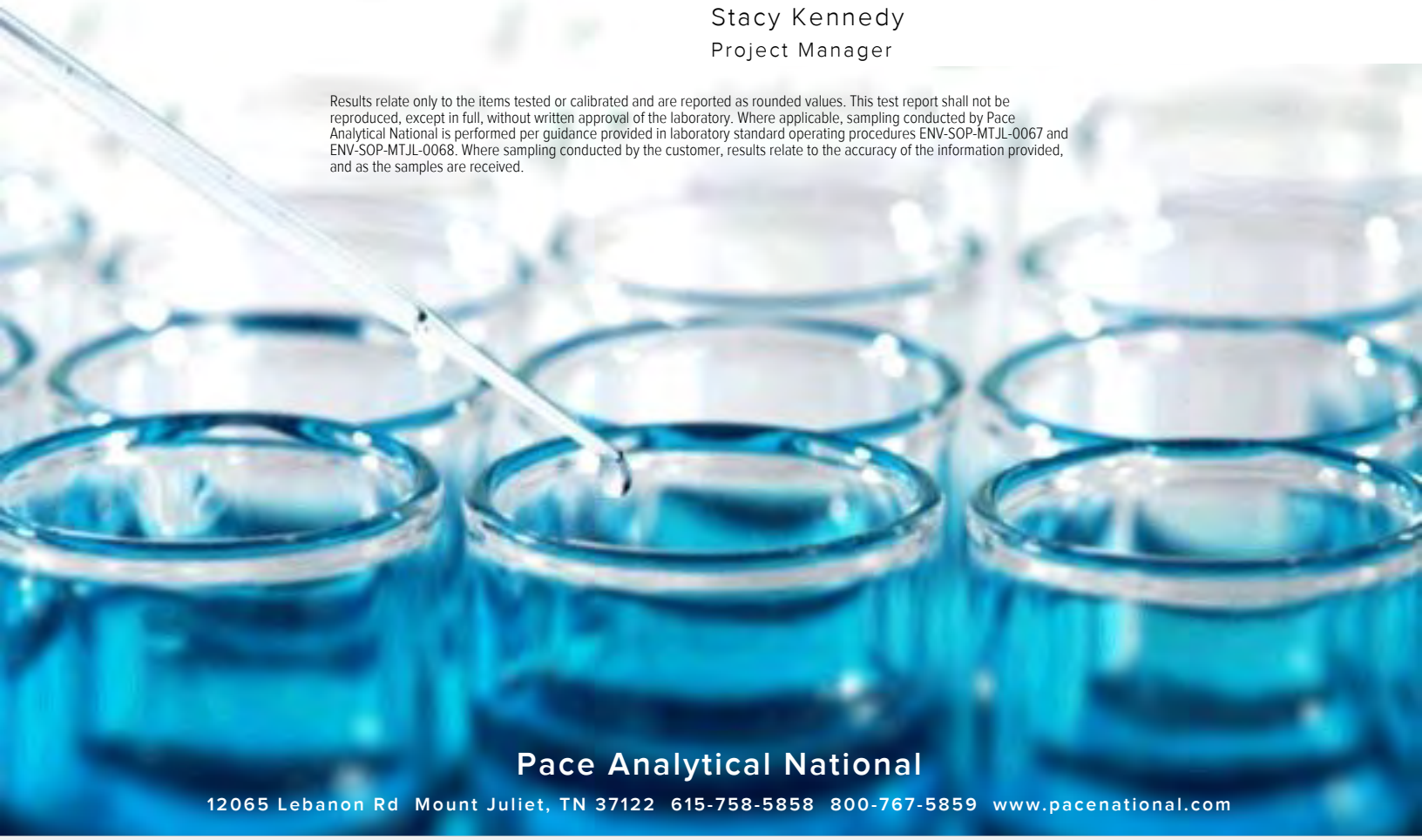
Eco-Vista (Tontitown)LF

Sample Delivery Group:	L1642414
Samples Received:	08/04/2023
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 National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SAMPLE SUMMARY

LEACHATE COMPOSITE L1642414-01 GW

Collected by: Chris F.
Collected date/time: 08/03/23 08:00
Received date/time: 08/04/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2109058	1	08/07/23 10:24	08/08/23 11:42	JAC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2109136	1	08/08/23 12:54	08/08/23 12:54	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2108400	200	08/06/23 11:46	08/06/23 11:46	BMD	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2107781	1	08/05/23 19:45	08/05/23 19:45	AEC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2107996	100	08/05/23 02:27	08/05/23 02:27	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2108451	100	08/09/23 17:30	08/09/23 17:30	SJF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2109445	1	08/08/23 11:40	08/11/23 00:13	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2109445	5	08/08/23 11:40	08/11/23 13:54	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2109452	5	08/09/23 13:50	08/11/23 09:46	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2108710	100	08/06/23 20:55	08/06/23 20:55	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2114539	100	08/15/23 23:52	08/15/23 23:52	ADM	Mt. Juliet, TN

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

Stacy Kennedy
Project Manager

Project Comments

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

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Batch	Method	Lab Sample ID
WG2114539	8260B	L1642414-01

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

Batch	Method	Lab Sample ID
WG2108451	9060A	L1642414-01

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
WG2109058	(DUP) R3958786-3, (DUP) R3958786-4	Dissolved Solids

Wet Chemistry by Method 9060A

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

Batch	Lab Sample ID	Analytes
WG2108451	(DUP) R3958849-3	TOC

Metals (ICP) by Method 6010B

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

Batch	Lab Sample ID	Analytes
WG2109445	(MS) R3959338-4, (MSD) R3959338-5	Calcium, Total Recoverable

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

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

Batch	Lab Sample ID	Analytes
WG2108710	(LCS) R3958471-1, (LCSD) R3958471-2, L1642414-01	Bromoform, Dibromochloromethane and trans-1,4-Dichloro-2-butene

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	8800		113	1	08/08/2023 11:42	WG2109058

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Alkalinity	9060		10.0	1	08/08/2023 12:54	WG2109136
Alkalinity,Bicarbonate	9060		10.0	1	08/08/2023 12:54	WG2109136
Alkalinity,Carbonate	ND		10.0	1	08/08/2023 12:54	WG2109136

Sample Narrative:

L1642414-01 WG2109136: 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	1650		6.34	200	08/06/2023 11:46	WG2108400

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	08/05/2023 19:45	WG2107781

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	2010		5.19	100	08/05/2023 02:27	WG2107996
Sulfate	48.8	J	7.74	100	08/05/2023 02:27	WG2107996

Sample Narrative:

L1642414-01 WG2107996: Dilution due to matrix.

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1540		10.2	100	08/09/2023 17:30	WG2108451

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	08/11/2023 00:13	WG2109445
Barium,Total Recoverable	0.850		0.00500	1	08/11/2023 00:13	WG2109445
Calcium, Total Recoverable	75.4		0.200	1	08/11/2023 00:13	WG2109445
Iron, Total Recoverable	5.16		0.0600	1	08/11/2023 00:13	WG2109445
Potassium, Total Recoverable	510		3.00	5	08/11/2023 13:54	WG2109445
Magnesium, Total Recoverable	52.5		0.200	1	08/11/2023 00:13	WG2109445
Manganese,Total Recoverable	0.609		0.00300	1	08/11/2023 00:13	WG2109445
Sodium,Total Recoverable	1890		5.00	5	08/11/2023 13:54	WG2109445
Lead, Total Recoverable	0.00900		0.00500	1	08/11/2023 00:13	WG2109445
Selenium, Total Recoverable	0.0254		0.0100	1	08/11/2023 00:13	WG2109445

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	0.156		0.00500	5	08/11/2023 09:46	WG2109452
Beryllium, Total Recoverable	ND		0.00100	5	08/11/2023 09:46	WG2109452
Cadmium, Total Recoverable	ND		0.00100	5	08/11/2023 09:46	WG2109452
Cobalt,Total Recoverable	0.0613		0.00300	5	08/11/2023 09:46	WG2109452
Chromium, Total Recoverable	0.233		0.00300	5	08/11/2023 09:46	WG2109452
Copper, Total Recoverable	0.0276		0.00400	5	08/11/2023 09:46	WG2109452
Nickel, Total Recoverable	0.294		0.00400	5	08/11/2023 09:46	WG2109452
Antimony, Total Recoverable	0.0294		0.00377	5	08/11/2023 09:46	WG2109452
Thallium, Total Recoverable	ND		0.00100	5	08/11/2023 09:46	WG2109452
Vanadium,Total Recoverable	0.150		0.00300	5	08/11/2023 09:46	WG2109452
Zinc, Total Recoverable	0.194		0.0128	5	08/11/2023 09:46	WG2109452

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		12.0	100	08/06/2023 20:55	WG2108710
1,1,1-Trichloroethane	ND		9.40	100	08/06/2023 20:55	WG2108710
1,1,2,2-Tetrachloroethane	ND		13.0	100	08/06/2023 20:55	WG2108710
1,1,2-Trichloroethane	ND		9.40	100	08/06/2023 20:55	WG2108710
1,1-Dichloroethane	ND		11.4	100	08/06/2023 20:55	WG2108710
1,1-Dichloroethene	ND		18.8	100	08/06/2023 20:55	WG2108710
1,2,3-Trichloropropane	ND		24.7	100	08/06/2023 20:55	WG2108710
1,2-Dibromo-3-Chloropropane	ND		32.5	100	08/06/2023 20:55	WG2108710
1,2-Dibromoethane	ND		19.3	100	08/15/2023 23:52	WG2114539
1,2-Dichlorobenzene	ND		10.1	100	08/15/2023 23:52	WG2114539
1,2-Dichloroethane	ND		10.8	100	08/06/2023 20:55	WG2108710
1,2-Dichloropropane	ND		19.0	100	08/15/2023 23:52	WG2114539
1,4-Dichlorobenzene	ND		12.1	100	08/06/2023 20:55	WG2108710
2-Butanone (MEK)	3060		128	100	08/06/2023 20:55	WG2108710
2-Hexanone	ND		75.7	100	08/15/2023 23:52	WG2114539
4-Methyl-2-pentanone (MIBK)	ND		82.3	100	08/06/2023 20:55	WG2108710
Acetone	2690		105	100	08/06/2023 20:55	WG2108710
Acrylonitrile	ND		87.3	100	08/06/2023 20:55	WG2108710
Benzene	ND		8.96	100	08/06/2023 20:55	WG2108710
Bromochloromethane	ND		14.5	100	08/15/2023 23:52	WG2114539
Bromodichloromethane	ND		8.00	100	08/06/2023 20:55	WG2108710
Bromoform	ND	J4	18.6	100	08/06/2023 20:55	WG2108710
Bromomethane	ND		15.7	100	08/06/2023 20:55	WG2108710
Carbon disulfide	ND		10.1	100	08/06/2023 20:55	WG2108710
Carbon tetrachloride	ND		15.9	100	08/06/2023 20:55	WG2108710
Chlorobenzene	ND		14.0	100	08/06/2023 20:55	WG2108710
Chloroethane	ND		14.1	100	08/06/2023 20:55	WG2108710
Chloroform	ND		8.60	100	08/06/2023 20:55	WG2108710
Chloromethane	ND		15.3	100	08/06/2023 20:55	WG2108710
Dibromochloromethane	ND	J4	12.8	100	08/06/2023 20:55	WG2108710
Dibromomethane	ND		11.7	100	08/15/2023 23:52	WG2114539
Ethylbenzene	ND		15.8	100	08/15/2023 23:52	WG2114539
Iodomethane	ND		37.7	100	08/06/2023 20:55	WG2108710
Methylene Chloride	ND		107	100	08/06/2023 20:55	WG2108710
Styrene	ND		11.7	100	08/15/2023 23:52	WG2114539
Tetrachloroethene	ND		19.9	100	08/15/2023 23:52	WG2114539
Toluene	51.5		41.2	100	08/06/2023 20:55	WG2108710
Trichloroethene	ND		15.3	100	08/15/2023 23:52	WG2114539
Trichlorofluoromethane	ND		13.0	100	08/06/2023 20:55	WG2108710
Vinyl acetate	ND		64.5	100	08/06/2023 20:55	WG2108710
Vinyl chloride	ND		11.8	100	08/06/2023 20:55	WG2108710

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Xylenes, Total	ND		31.6	100	08/06/2023 20:55	WG2108710
cis-1,2-Dichloroethene	ND		9.33	100	08/06/2023 20:55	WG2108710
cis-1,3-Dichloropropene	ND		9.76	100	08/06/2023 20:55	WG2108710
trans-1,2-Dichloroethene	ND		15.2	100	08/06/2023 20:55	WG2108710
trans-1,3-Dichloropropene	ND		22.2	100	08/15/2023 23:52	WG2114539
trans-1,4-Dichloro-2-butene	ND	J4	25.7	100	08/06/2023 20:55	WG2108710
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*	*08/06/2023 20:55*	WG2108710
(S) 1,2-Dichloroethane-d4	*99.4*			*70.0-130*	*08/15/2023 23:52*	WG2114539
(S) 4-Bromofluorobenzene	*107*			*77.0-126*	*08/06/2023 20:55*	WG2108710
(S) 4-Bromofluorobenzene	*105*			*77.0-126*	*08/15/2023 23:52*	WG2114539
(S) Toluene-d8	*108*			*80.0-120*	*08/06/2023 20:55*	WG2108710
(S) Toluene-d8	*106*			*80.0-120*	*08/15/2023 23:52*	WG2114539

Sample Narrative:

L1642414-01 WG2108710: Lowest possible dilution due to sample foaming.

Method Blank (MB)

(MB) R3958786-1 08/08/23 11:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	3.00	J	2.82	10.0

L1641975-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1641975-06 08/08/23 11:42 • (DUP) R3958786-3 08/08/23 11:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1520	1630	1	6.97	J3	5

L1642775-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1642775-01 08/08/23 11:42 • (DUP) R3958786-4 08/08/23 11:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	246	275	1	11.1	J3	5

Laboratory Control Sample (LCS)

(LCS) R3958786-2 08/08/23 11:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8460	96.1	77.3-123	

Method Blank (MB)

(MB) R3958086-1 08/08/23 09:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL 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

L1641990-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1641990-01 08/08/23 11:03 • (DUP) R3958086-3 08/08/23 11:26

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	359	361	1	0.438		20
Alkalinity,Bicarbonate	359	361	1	0.438		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1642150-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1642150-01 08/08/23 13:27 • (DUP) R3958086-4 08/08/23 13:31

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	66.3	65.3	1	1.49		20
Alkalinity,Bicarbonate	66.3	65.3	1	1.49		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) R3958086-2 08/08/23 10:27

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

Sample Narrative:

LCS: Endpoint pH 4.5

Method Blank (MB)

(MB) R3957366-1 08/06/23 11:28

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

L1642468-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1642468-01 08/06/23 11:58 • (DUP) R3957366-5 08/06/23 12:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	ND	ND	1	2.82		10

L1642484-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1642484-04 08/06/23 12:35 • (DUP) R3957366-10 08/06/23 12:36

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	ND	ND	1	99.2		10

Laboratory Control Sample (LCS)

(LCS) R3957366-2 08/06/23 11:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.36	98.1	90.0-110	

L1641945-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1641945-01 08/06/23 11:39 • (MS) R3957366-3 08/06/23 11:40 • (MSD) R3957366-4 08/06/23 11:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	0.744	5.90	5.94	103	104	1	90.0-110			0.794	10

L1642484-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1642484-03 08/06/23 12:32 • (MS) R3957366-9 08/06/23 12:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	11.0	15.9	98.5	5	90.0-110	

Method Blank (MB)

(MB) R3957324-1 08/05/23 19:23

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

L1642183-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1642183-03 08/05/23 19:26 • (DUP) R3957324-3 08/05/23 19:27

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.432	0.430	1	0.464		20

L1642708-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1642708-01 08/05/23 19:47 • (DUP) R3957324-5 08/05/23 19:49

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.260	0.260	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3957324-2 08/05/23 19:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2.50	2.49	99.6	90.0-110	

L1642183-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1642183-03 08/05/23 19:26 • (MS) R3957324-4 08/05/23 19:28

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	0.432	3.04	104	1	90.0-110	

L1642708-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1642708-01 08/05/23 19:47 • (MS) R3957324-6 08/05/23 19:50 • (MSD) R3957324-7 08/05/23 19:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.260	2.73	2.75	98.8	99.6	1	90.0-110			0.730	20

Method Blank (MB)

(MB) R3958727-1 08/04/23 21:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.169		0.0519	1.00
Sulfate	0.326		0.0774	5.00

L1641951-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1641951-01 08/04/23 22:23 • (DUP) R3958727-3 08/04/23 22:36

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	29.4	29.4	1	0.00818		15
Sulfate	39.6	39.6	1	0.226		15

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

(OS) L1642486-04 08/05/23 05:05 • (DUP) R3958727-6 08/05/23 05:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	10.3	10.3	1	0.225		15
Sulfate	44.3	44.4	1	0.0963		15

Laboratory Control Sample (LCS)

(LCS) R3958727-2 08/04/23 22:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.7	102	80.0-120	
Sulfate	40.0	39.9	99.7	80.0-120	

L1641951-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1641951-01 08/04/23 22:23 • (MS) R3958727-4 08/04/23 22:50 • (MSD) R3958727-5 08/04/23 23:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	29.4	80.5	80.8	102	103	1	80.0-120			0.463	15
Sulfate	50.0	39.6	88.9	89.4	98.4	99.5	1	80.0-120			0.615	15

L1642486-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1642486-04 08/05/23 05:05 • (MS) R3958727-7 08/05/23 05:57

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	10.3	62.3	104	1	80.0-120	
Sulfate	50.0	44.3	94.3	99.9	1	80.0-120	

Method Blank (MB)

(MB) R3958849-2 08/09/23 11:55

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

L1641707-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1641707-06 08/09/23 14:07 • (DUP) R3958849-3 08/09/23 14:26

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	ND	ND	1	34.6	P1	20

L1642719-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1642719-01 08/09/23 18:46 • (DUP) R3958849-6 08/09/23 19:12

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	20.1	20.3	1	0.890		20

Laboratory Control Sample (LCS)

(LCS) R3958849-1 08/09/23 11:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC	25.0	23.1	92.4	85.0-115	

L1642156-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1642156-01 08/09/23 15:24 • (MS) R3958849-4 08/09/23 15:47 • (MSD) R3958849-5 08/09/23 16:10

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC	25.0	ND	24.1	24.0	95.9	95.6	1	80.0-120			0.332	20

L1642802-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1642802-03 08/09/23 21:35 • (MS) R3958849-7 08/09/23 22:01 • (MSD) R3958849-8 08/09/23 22:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC	25.0	44.0	65.0	67.2	84.0	93.1	1	80.0-120	E	E	3.43	20

L1642802-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1642802-03 08/09/23 21:35 • (MS) R3958849-7 08/09/23 22:01 • (MSD) R3958849-8 08/09/23 22:27

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

Sample Narrative:

MS: Matrix spike failure due to matrix interference.

Method Blank (MB)

(MB) R3959338-1 08/10/23 23:21

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	ND		0.0111	1.00
Lead, Total Recoverable	ND		0.00190	0.00500
Selenium, Total Recoverable	0.00942	J	0.00740	0.0100

Laboratory Control Sample (LCS)

(LCS) R3959338-2 08/10/23 23:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver, Total Recoverable	0.200	0.197	98.3	80.0-120	
Barium,Total Recoverable	1.00	1.04	104	80.0-120	
Calcium, Total Recoverable	10.0	10.2	102	80.0-120	
Iron, Total Recoverable	10.0	10.3	103	80.0-120	
Potassium, Total Recoverable	10.0	9.57	95.7	80.0-120	
Magnesium, Total Recoverable	10.0	9.77	97.7	80.0-120	
Manganese,Total Recoverable	1.00	1.02	102	80.0-120	
Sodium,Total Recoverable	10.0	10.1	101	80.0-120	
Lead, Total Recoverable	1.00	0.990	99.0	80.0-120	
Selenium, Total Recoverable	1.00	1.01	101	80.0-120	

L1642316-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1642316-01 08/10/23 23:27 • (MS) R3959338-4 08/10/23 23:33 • (MSD) R3959338-5 08/10/23 23:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver, Total Recoverable	0.200	ND	0.245	0.246	123	123	1	75.0-125			0.361	20
Barium,Total Recoverable	1.00	1.62	2.53	2.53	91.3	91.0	1	75.0-125			0.0896	20
Calcium, Total Recoverable	10.0	814	807	819	0.000	44.9	1	75.0-125	V	V	1.38	20
Iron, Total Recoverable	10.0	1.47	11.5	11.5	99.9	100	1	75.0-125			0.452	20
Potassium, Total Recoverable	10.0	33.9	43.9	44.0	100	101	1	75.0-125			0.172	20
Magnesium, Total Recoverable	10.0	92.1	101	102	90.7	99.7	1	75.0-125			0.890	20
Manganese,Total Recoverable	1.00	0.378	1.34	1.35	96.4	97.3	1	75.0-125			0.642	20

L1642316-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1642316-01 08/10/23 23:27 • (MS) R3959338-4 08/10/23 23:33 • (MSD) R3959338-5 08/10/23 23:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead, Total Recoverable	1.00	0.00814	1.05	1.04	104	104	1	75.0-125			0.491	20
Selenium, Total Recoverable	1.00	ND	1.15	1.14	114	113	1	75.0-125			0.657	20

Method Blank (MB)

(MB) R3959393-1 08/11/23 09:26

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	0.000895		0.000520	0.00500
Nickel, Total Recoverable	ND		0.000350	0.00200
Antimony, Total Recoverable	ND		0.000754	0.00200
Thallium, Total Recoverable	ND	J	0.000190	0.00200
Vanadium,Total Recoverable	ND		0.000180	0.00500
Zinc, Total Recoverable	ND		0.00256	0.0250

Laboratory Control Sample (LCS)

(LCS) R3959393-2 08/11/23 09:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Total Recoverable	0.0500	0.0516	103	80.0-120	
Beryllium, Total Recoverable	0.0500	0.0481	96.2	80.0-120	
Cadmium, Total Recoverable	0.0500	0.0539	108	80.0-120	
Cobalt,Total Recoverable	0.0500	0.0520	104	80.0-120	
Chromium, Total Recoverable	0.0500	0.0516	103	80.0-120	
Copper, Total Recoverable	0.0500	0.0492	98.3	80.0-120	
Nickel, Total Recoverable	0.0500	0.0523	105	80.0-120	
Antimony, Total Recoverable	0.0500	0.0493	98.7	80.0-120	
Thallium, Total Recoverable	0.0500	0.0514	103	80.0-120	
Vanadium,Total Recoverable	0.0500	0.0518	104	80.0-120	
Zinc, Total Recoverable	0.0500	0.0500	99.9	80.0-120	

L1643172-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1643172-01 08/11/23 09:33 • (MS) R3959393-4 08/11/23 09:39 • (MSD) R3959393-5 08/11/23 09:43

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	0.0525	0.0550	102	107	1	75.0-125			4.79	20
Beryllium, Total Recoverable	0.0500	ND	0.0455	0.0489	91.0	97.7	1	75.0-125			7.11	20
Cadmium, Total Recoverable	0.0500	ND	0.0541	0.0550	108	110	1	75.0-125			1.70	20
Cobalt,Total Recoverable	0.0500	ND	0.0515	0.0533	102	105	1	75.0-125			3.40	20
Chromium, Total Recoverable	0.0500	ND	0.0532	0.0547	106	109	1	75.0-125			2.72	20

L1643172-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1643172-01 08/11/23 09:33 • (MS) R3959393-4 08/11/23 09:39 • (MSD) R3959393-5 08/11/23 09:43

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	0.0505	0.0518	94.7	97.2	1	75.0-125			2.45	20
Nickel, Total Recoverable	0.0500	ND	0.0539	0.0566	101	106	1	75.0-125			4.92	20
Antimony, Total Recoverable	0.0500	ND	0.0492	0.0515	98.4	103	1	75.0-125			4.63	20
Thallium, Total Recoverable	0.0500	ND	0.0509	0.0529	102	106	1	75.0-125			3.97	20
Vanadium,Total Recoverable	0.0500	0.00305	0.0542	0.0563	102	107	1	75.0-125			3.91	20
Zinc, Total Recoverable	0.0500	0.00912	0.0611	0.0633	104	108	1	75.0-125			3.39	20

Method Blank (MB)

(MB) R3958471-3 08/06/23 12:19

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-Dichloroethane	ND		0.108	0.500
1,4-Dichlorobenzene	ND		0.121	0.500
2-Butanone (MEK)	ND		1.28	5.00
4-Methyl-2-pentanone (MIBK)	ND		0.823	5.00
Acetone	3.90		1.05	25.0
Acrylonitrile	ND		0.873	5.00
Benzene	ND		0.0896	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
Iodomethane	ND		0.377	10.0
Methylene Chloride	ND		1.07	2.50
Toluene	ND		0.412	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) Toluene-d8	*112*			*80.0-120*

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

(LCS) R3958471-1 08/06/23 11:12 • (LCSD) R3958471-2 08/06/23 11:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	4.10	4.24	82.0	84.8	75.0-125			3.36	20
1,1,1-Trichloroethane	5.00	4.46	4.72	89.2	94.4	73.0-124			5.66	20
1,1,2,2-Tetrachloroethane	5.00	4.36	4.62	87.2	92.4	65.0-130			5.79	20
1,1,2-Trichloroethane	5.00	4.70	4.94	94.0	98.8	80.0-120			4.98	20
1,1-Dichloroethane	5.00	4.54	4.70	90.8	94.0	70.0-126			3.46	20
1,1-Dichloroethene	5.00	4.47	4.62	89.4	92.4	71.0-124			3.30	20
1,2,3-Trichloropropane	5.00	4.50	4.71	90.0	94.2	73.0-130			4.56	20
1,2-Dibromo-3-Chloropropane	5.00	3.40	3.53	68.0	70.6	58.0-134			3.75	20
1,2-Dichloroethane	5.00	4.86	4.89	97.2	97.8	70.0-128			0.615	20
1,4-Dichlorobenzene	5.00	4.79	4.64	95.8	92.8	79.0-120			3.18	20
2-Butanone (MEK)	25.0	12.1	12.8	48.4	51.2	44.0-160			5.62	20
4-Methyl-2-pentanone (MIBK)	25.0	21.1	21.0	84.4	84.0	68.0-142			0.475	20
Acetone	25.0	15.2	15.0	60.8	60.0	19.0-160			1.32	27
Acrylonitrile	25.0	18.7	19.4	74.8	77.6	55.0-149			3.67	20
Benzene	5.00	4.84	5.01	96.8	100	70.0-123			3.45	20
Bromodichloromethane	5.00	4.20	4.26	84.0	85.2	75.0-120			1.42	20
Bromoform	5.00	3.07	3.15	61.4	63.0	68.0-132	J4	J4	2.57	20
Bromomethane	5.00	3.17	3.42	63.4	68.4	10.0-160			7.59	25
Carbon disulfide	5.00	4.43	4.45	88.6	89.0	61.0-128			0.450	20
Carbon tetrachloride	5.00	4.06	4.35	81.2	87.0	68.0-126			6.90	20
Chlorobenzene	5.00	4.52	4.91	90.4	98.2	80.0-121			8.27	20
Chloroethane	5.00	6.54	6.53	131	131	47.0-150			0.153	20
Chloroform	5.00	4.96	4.99	99.2	99.8	73.0-120			0.603	20
Chloromethane	5.00	3.60	3.80	72.0	76.0	41.0-142			5.41	20
Dibromochloromethane	5.00	3.80	4.06	76.0	81.2	77.0-125	J4		6.62	20
Iodomethane	25.0	14.9	18.3	59.6	73.2	33.0-147			20.5	26
Methylene Chloride	5.00	4.63	4.71	92.6	94.2	67.0-120			1.71	20
Toluene	5.00	4.75	4.92	95.0	98.4	79.0-120			3.52	20
Trichlorofluoromethane	5.00	5.63	5.46	113	109	59.0-147			3.07	20
Vinyl acetate	25.0	16.0	15.6	64.0	62.4	11.0-160			2.53	20
Vinyl chloride	5.00	5.00	5.12	100	102	67.0-131			2.37	20
Xylenes, Total	15.0	13.1	14.4	87.3	96.0	79.0-123			9.45	20
cis-1,2-Dichloroethene	5.00	4.93	4.99	98.6	99.8	73.0-120			1.21	20
cis-1,3-Dichloropropene	5.00	4.09	4.60	81.8	92.0	80.0-123			11.7	20
trans-1,2-Dichloroethene	5.00	4.59	5.03	91.8	101	73.0-120			9.15	20
trans-1,4-Dichloro-2-butene	5.00	1.34	1.20	26.8	24.0	33.0-144	J4	J4	11.0	20
(S) 1,2-Dichloroethane-d4				*110*	*105*	*70.0-130*				
(S) 4-Bromofluorobenzene				*103*	*102*	*77.0-126*				
(S) Toluene-d8				*106*	*105*	*80.0-120*				

L1642544-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1642544-06 08/06/23 17:37 • (MS) R3958471-4 08/06/23 21:17 • (MSD) R3958471-5 08/06/23 22:04

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	ND	4.94	4.84	98.8	96.8	1	36.0-151			2.04	29
1,1,1-Trichloroethane	5.00	ND	5.72	5.37	114	107	1	23.0-160			6.31	28
1,1,2,2-Tetrachloroethane	5.00	ND	5.17	5.24	103	105	1	33.0-150			1.34	28
1,1,2-Trichloroethane	5.00	ND	5.49	5.29	110	106	1	35.0-147			3.71	27
1,1-Dichloroethane	5.00	ND	5.44	5.29	109	106	1	25.0-158			2.80	27
1,1-Dichloroethene	5.00	ND	5.75	5.58	115	112	1	11.0-160			3.00	29
1,2,3-Trichloropropane	5.00	ND	4.83	5.10	96.6	102	1	34.0-151			5.44	29
1,2-Dibromo-3-Chloropropane	5.00	ND	4.60	4.61	92.0	92.2	1	22.0-151			0.217	34
1,2-Dichloroethane	5.00	ND	5.39	5.45	108	109	1	29.0-151			1.11	27
1,4-Dichlorobenzene	5.00	ND	5.28	5.21	106	104	1	35.0-142			1.33	27
2-Butanone (MEK)	25.0	ND	22.4	23.9	89.6	95.6	1	10.0-160			6.48	32
4-Methyl-2-pentanone (MIBK)	25.0	ND	22.8	23.5	91.2	94.0	1	29.0-160			3.02	29
Acetone	25.0	ND	20.0	20.8	80.0	83.2	1	10.0-160			3.92	35
Acrylonitrile	25.0	ND	ND	20.8	76.4	83.2	1	21.0-160			8.52	32
Benzene	5.00	ND	5.74	5.46	115	109	1	17.0-158			5.00	27
Bromodichloromethane	5.00	ND	5.36	4.93	107	98.6	1	31.0-150			8.36	27
Bromoform	5.00	ND	4.25	4.27	85.0	85.4	1	29.0-150			0.469	29
Bromomethane	5.00	ND	6.47	6.20	129	124	1	10.0-160			4.26	38
Carbon disulfide	5.00	ND	5.04	4.88	101	97.6	1	10.0-156			3.23	28
Carbon tetrachloride	5.00	ND	5.68	5.40	114	108	1	23.0-159			5.05	28
Chlorobenzene	5.00	ND	5.35	5.11	107	102	1	33.0-152			4.59	27
Chloroethane	5.00	ND	7.29	6.90	146	138	1	10.0-160			5.50	30
Chloroform	5.00	ND	6.06	5.75	121	115	1	29.0-154			5.25	28
Chloromethane	5.00	ND	4.23	4.09	84.6	81.8	1	10.0-160			3.37	29
Dibromochloromethane	5.00	ND	4.87	4.75	97.4	95.0	1	37.0-149			2.49	27
Iodomethane	25.0	ND	22.8	26.2	91.2	105	1	10.0-160			13.9	40
Methylene Chloride	5.00	ND	5.40	5.26	108	105	1	23.0-144			2.63	28
Toluene	5.00	ND	5.39	5.38	108	108	1	26.0-154			0.186	28
Trichlorofluoromethane	5.00	ND	7.10	6.74	142	135	1	17.0-160			5.20	31
Vinyl acetate	25.0	ND	25.7	23.3	103	93.2	1	12.0-160			9.80	31
Vinyl chloride	5.00	ND	5.97	5.60	119	112	1	10.0-160			6.40	27
Xylenes, Total	15.0	1.16	17.5	16.4	109	102	1	29.0-154			6.49	28
cis-1,2-Dichloroethene	5.00	ND	5.62	5.54	112	111	1	10.0-160			1.43	27
cis-1,3-Dichloropropene	5.00	ND	4.66	4.53	93.2	90.6	1	34.0-149			2.83	28
trans-1,2-Dichloroethene	5.00	ND	5.51	5.00	110	100	1	17.0-153			9.71	27
trans-1,4-Dichloro-2-butene	5.00	ND	3.67	3.61	73.4	72.2	1	10.0-157			1.65	37
(S) 1,2-Dichloroethane-d4					*109*	*112*		*70.0-130*				
(S) 4-Bromofluorobenzene					*103*	*101*		*77.0-126*				
(S) Toluene-d8					*103*	*105*		*80.0-120*				

Method Blank (MB)

(MB) R3961308-3 08/15/23 19:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2-Dibromoethane	ND		0.193	0.500
1,2-Dichlorobenzene	ND		0.101	0.500
1,2-Dichloropropane	ND		0.190	0.500
2-Hexanone	ND		0.757	5.00
Bromochloromethane	ND		0.145	0.500
Dibromomethane	ND		0.117	0.500
Ethylbenzene	ND		0.158	0.500
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Trichloroethene	ND		0.153	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) Toluene-d8	*106*			*80.0-120*

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

(LCS) R3961308-1 08/15/23 18:01 • (LCSD) R3961308-2 08/15/23 18:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dibromoethane	5.00	5.72	5.52	114	110	80.0-122			3.56	20
1,2-Dichlorobenzene	5.00	5.37	5.30	107	106	79.0-121			1.31	20
1,2-Dichloropropane	5.00	5.49	5.71	110	114	77.0-125			3.93	20
2-Hexanone	25.0	32.1	31.4	128	126	67.0-149			2.20	20
Bromochloromethane	5.00	5.73	5.40	115	108	76.0-122			5.93	20
Dibromomethane	5.00	5.42	5.28	108	106	80.0-120			2.62	20
Ethylbenzene	5.00	5.52	5.64	110	113	79.0-123			2.15	20
Styrene	5.00	5.60	5.70	112	114	73.0-130			1.77	20
Tetrachloroethene	5.00	5.98	6.03	120	121	72.0-132			0.833	20
Trichloroethene	5.00	5.10	5.59	102	112	78.0-124			9.17	20
trans-1,3-Dichloropropene	5.00	5.68	5.53	114	111	78.0-124			2.68	20
(S) 1,2-Dichloroethane-d4				*99.0*	*97.8*	*70.0-130*				
(S) 4-Bromofluorobenzene				*105*	*107*	*77.0-126*				
(S) Toluene-d8				*106*	*107*	*80.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

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

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

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace® PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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

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]

Immediately Packed on Ice N___ Y___

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

Quote #

Date Results Needed

SDG # L1642414

Table # D158

Acctnum: WMECOVISAR
Template: T211193
Prelogin: P1006574
PM: 616 - Stacy Kennedy
PB:
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ALK, CHLORIDE, SULFA 250mlHDPE-NoPres	CHLORIDE 125mlHDPE-NoPres	Metals 250mlHDPE-HNO3 (<2)	NH3 250mlHDPE-H2SO4	NH3,NO2NO3 250mlHDPE-H2SO4 (<2)	TDS 1L-HDPE NoPres	TOC 250mlHDPE-HCl	V8260LL 40mlAmb-HCl	V8260LL TB 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
~~LDS-12~~		GW				3	X		X		X						
~~WILDCAT CREEK SW~~		GW				8	X		X		X	X	X	X			
Leachate Composite	Comp	GW	N/A	8.3.23	0800	8	X		X		X	X	X	X			-01
		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 ______

Samples returned via:
__ UPS __ FedEx __ Courier ______

Tracking # 6337 2260 1222

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No — (HCL) / MeoH / TBR
[signature]	8.3.23	1500		

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: GRA8 4.8+0=4.8 °C	Bottles Received: 8	If preservation required by Login: Date/Time

Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	Hold:	Condition: (NCF) / OK
			Kaylee (9)	8/4/23	930		

8/4-NCF-L1642414 WMECOVISAR

Shortholds

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

Members

Hailey Melson (responsible) SK Stacy Kennedy

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

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

Comments

Hailey Melson *4 August 2023 10:40 AM*

All preserved container received out of range.
Metals pH adj @ 1020 on 8/4. Lot #: 23G10028
NH3, NO2NO3 pH adj @ 1015 on 8/4. Lot #: 21K12937
TOC container did not preserve.

Stacy Kennedy *4 August 2023 10:44 AM*

Continue with analysis. Due to leachate sample matrix.

Hailey Melson *4 August 2023 11:14 AM*

Done